



**National Water Resources Plan -
Framework Plan
Technical Appendices**

**Appendix L
Supply Demand
Balance Summaries**

Table of Contents

1.1	Introduction	1
2.1	Supply Demand Balance Information	3

Data Disclaimer:

This document uses best available data at time of writing. Some sources may have been updated in the interim period. As data relating to population forecasts and trends are based on information gathered before the Covid 19 Pandemic, monitoring and feedback will be used to capture any updates. The National Water Resources Plan will also align to relevant updates in applicable policy.

1.1 Introduction

The appendix contains summary Supply Demand Balance information for each of our 539 Water Resource Zones.

Figure 1.1 below shows the Supply Demand Balance data we are presenting for each Water Resource Zone. Table 1.1 provides the Framework Plan references for each component identified in Figure 1.1 that explains how they are calculated.

Table 1.1 - Supply Demand Balance Volume 1 Report Reference

Supply Demand Balance Component	Volume 1 Report Section
Supply Components	
Hydrological Yield	3.2
Deployable Output	3.4
Outage	3.5
Water Available for Use	3.6 & 3.7
Demand Components	
Baseline Demand	4.2
Leakage	4.3.3
Headroom	4.4
Weather Event Planning Scenarios	4.6

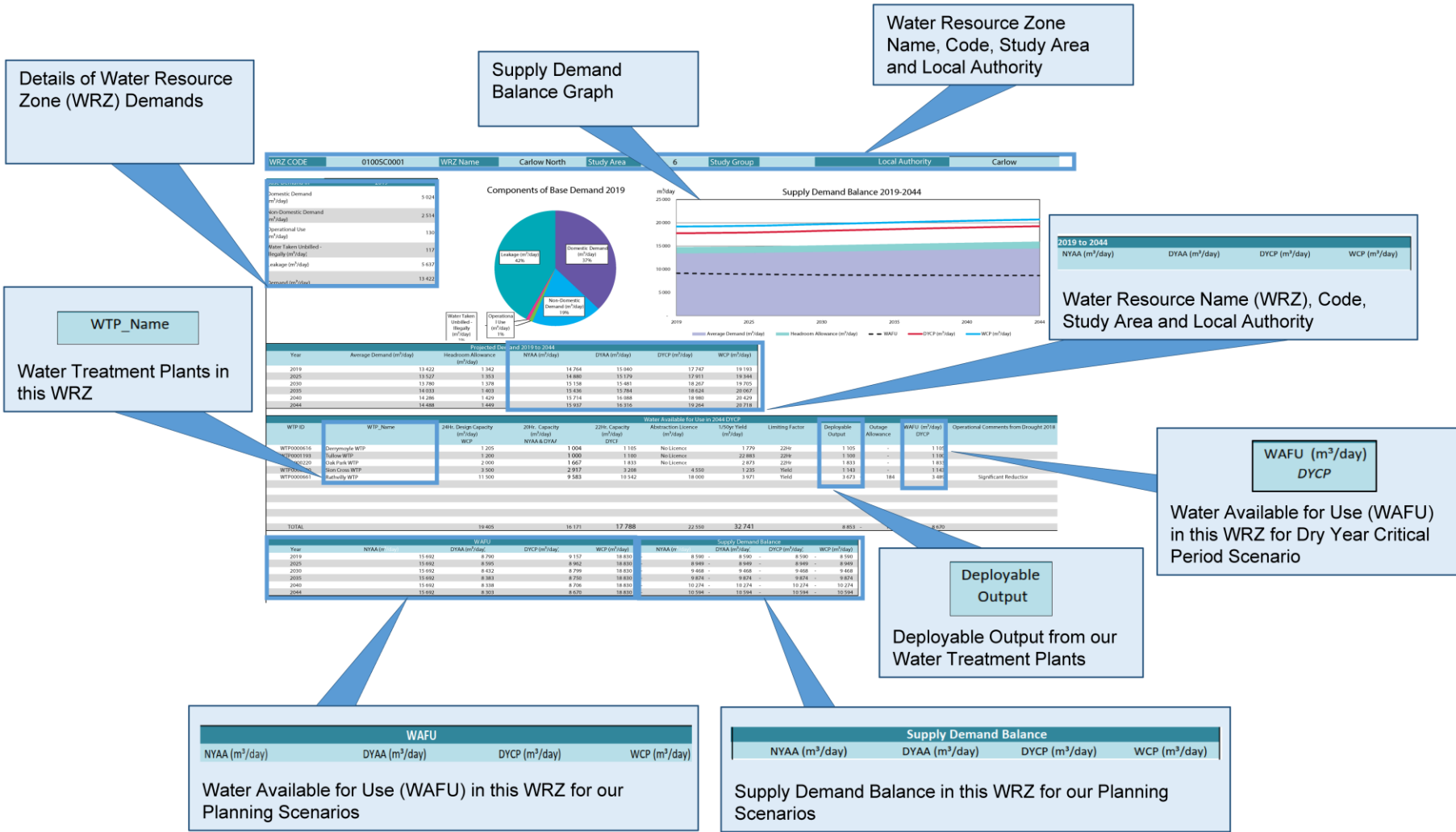


Figure 1.1 Water Resource Zone Supply Demand Balance Information

1.2 Supply Demand Balance Information

Table 1.2 lists the Water Resource Zones Supply Demand Balance Information is provided for in this appendix.

Table 1.2 - Water Resource Zones Supply Demand Balance Information

Local Authority	Water Resource Zone Name	Water Resource Zone Reference
Carlow	Carlow North	0100SC0001
Carlow	Leighlinbridge	0100SC0002
Carlow	Old Leighlin	0100SC0003
Carlow	Bilboa	0100SC0004
Carlow	Hacketstown	0100SC0005
Carlow	Bagenalstown	0100SC0008
Carlow	Borris	0100SC0009
Carlow	Ballinkillen	0100SC0010
Carlow	Carlow Central Regional	0100SC0011
Cavan	Arvagh PWS (GWS Import)	0200SC0001
Cavan	Blacklion PWS (GWS Import)	0200SC0002
Cavan	Dowra PWS (GWS Import)	0200SC0003
Cavan	Gowna (GWS Import)	0200SC0004
Cavan	Killeshandra PWS (GWS Import)	0200SC0005
Cavan	Shercock PWS (GWS Import)	0200SC0006
Cavan	Ballyhaise PWS (GWS Import)	0200SC0008
Cavan	Ballyconnell PWS	0200SC0011
Cavan	Ballyjamesduff RWSS	0200SC0012
Cavan	Bawnboy PWS	0200SC0013
Cavan	Cavan RWSS	0200SC0014
Cavan	Bailieboro RWSS	0200SC0015
Cavan	Belturbet PWS	0200SC0016
Cavan	Cootehill PWS	0200SC0017
Cavan	Kingscourt PWS	0200SC0018
Cavan	Swanlinbar PWS	0200SC0019
Clare	West Clare	0300SC0001
Clare	Corofin PWS	0300SC0003
Clare	Carron PWS	0300SC0004
Clare	Kilkeedy PWS	0300SC0005
Clare	Ennis / Shannon/Sixmilebridge	0300SC0006
Clare	Killadysert PWS	0300SC0013
Clare	Flagmount PWS	0300SC0014
Clare	Feakle PWS	0300SC0015
Clare	Scarriff PWS	0300SC0016
Clare	Mountshannon PWS	0300SC0017
Clare	Obriens Bridge PWS	0300SC0019
Clare	Ennis	0300SC0020
Clare	Ennistymon	0300SC0021
Clare	Turlough	0300SC0022
Clare	West Clare	0300SC0023
Clare	Killaloe	0300SC0024
Cork	Conna Regional	0500SC0002
Cork	Ballynoe	0500SC0004
Cork	Bottlehill	0500SC0006
Cork	Tarelton	0500SC0007
Cork	Inchigeelagh	0500SC0008

Local Authority	Water Resource Zone Name	Water Resource Zone Reference
Cork	Ballingeary	0500SC0009
Cork	Carrignadoura	0500SC0010
Cork	Dunmanway	0500SC0012
Cork	Newcestown	0500SC0013
Cork	Mossgrove	0500SC0014
Cork	Roberts Cove	0500SC0016
Cork	Nohoval	0500SC0017
Cork	Ard Na Killy Ridge	0500SC0019
Cork	Cullen	0500SC0020
Cork	Skibbereen	0500SC0021
Cork	Toormore	0500SC0023
Cork	Goleen	0500SC0024
Cork	Crookhaven	0500SC0025
Cork	Kilcrohane	0500SC0026
Cork	Durrus	0500SC0027
Cork	Caheragh	0500SC0028
Cork	Dromore Bantry	0500SC0029
Cork	Bantry	0500SC0030
Cork	Whiddy Island	0500SC0031
Cork	Adrigole	0500SC0033
Cork	Castletownbere	0500SC0034
Cork	Allihies	0500SC0035
Cork	Cahermore	0500SC0036
Cork	Dursey Island	0500SC0037
Cork	Drinagh	0500SC0038
Cork	Knockadoon	0500SC0039
Cork	Kilcraheen	0500SC0040
Cork	Ballymacoda	0500SC0041
Cork	Youghal Regional	0500SC0042
Cork	Inch	0500SC0043
Cork	Dungourney	0500SC0044
Cork	Walshtown	0500SC0046
Cork	Corbally	0500SC0047
Cork	Clash_Leamleara	0500SC0048
Cork	Carrignavar	0500SC0050
Cork	Whitechurch	0500SC0051
Cork	Stoneview Blarney	0500SC0053
Cork	Vicarstown	0500SC0054
Cork	Grenagh	0500SC0055
Cork	Bweeng	0500SC0056
Cork	Donoughmore	0500SC0057
Cork	Coolineagh	0500SC0058
Cork	Aghabullogue	0500SC0059
Cork	Carrigcleena	0500SC0061
Cork	Monaparson	0500SC0062
Cork	Burnfort	0500SC0063
Cork	Monee & Knockabrack	0500SC0064
Cork	Ballinamona	0500SC0065
Cork	Lyre	0500SC0066
Cork	Glengarriff	0500SC0068
Cork	Crosterra	0500SC0069
Cork	Ballymakeera	0500SC0070

Local Authority	Water Resource Zone Name	Water Resource Zone Reference
Cork	Clondrohid	0500SC0071
Cork	Ballinagree	0500SC0073
Cork	Rylane	0500SC0074
Cork	Kilcorney	0500SC0075
Cork	Glenleigh	0500SC0076
Cork	Kilnamartyra	0500SC0078
Cork	Kilmurray_Clonmacow	0500SC0079
Cork	Crookstown	0500SC0080
Cork	Templemartin & Garranes	0500SC0081
Cork	Cork City	0500SC0082
Cork	Minane Bridge	0500SC0083
Cork	Ballykilty	0500SC0084
Cork	Killeagh	0500SC0085
Cork	Bartlemy	0500SC0086
Cork	Monanig	0500SC0087
Cork	Knockdrumacrough	0500SC0088
Cork	Coolagown	0500SC0089
Cork	Kilmagnier	0500SC0090
Cork	Kilmurry (Mitchelstown)	0500SC0092
Cork	Ballydesmond	0500SC0093
Cork	Kiskeam	0500SC0094
Cork	Knockanleigh	0500SC0095
Cork	Boherascrub	0500SC0096
Cork	Castlecooke	0500SC0097
Cork	Glenduff	0500SC0099
Cork	Mitchelstown	0500SC0100
Cork	Mountain Barracks	0500SC0101
Cork	Gortnaskehy	0500SC0102
Cork	Knockanevin	0500SC0103
Cork	Skahanagh	0500SC0104
Cork	Knockeragh	0500SC0105
Cork	Labbamolloga	0500SC0106
Cork	Monabricka	0500SC0107
Cork	Rockchapel	0500SC0108
Cork	Stagmount	0500SC0109
Cork	Castlewrixon	0500SC0110
Cork	Allow Regional	0500SC0113
Cork	Charleville / Doneraile	0500SC0114
Cork	Ballyhooly	0500SC0118
Cork	Macronev	0500SC0121
Cork	Ballyvadonna	0500SC0122
Cork	Castletownroche	0500SC0124
Cork	Dromahane / Kilcolman / Cois Tobair	0500SC0126
Cork	Killavullen	0500SC0128
Cork	Lombardstown_Glantane	0500SC0130
Cork	Mallow	0500SC0131
Cork	Banteer	0500SC0136
Cork	Millstreet	0500SC0138
Cork	Toureen_Derry	0500SC0139
Cork	Newmarket	0500SC0143
Cork	Kilbrin Garran an Darra	0500SC0144
Cork	Bandon Regional	0500SC0145

Local Authority	Water Resource Zone Name	Water Resource Zone Reference
Cork	Clashanamid	0500SC0146
Cork	Ratharoon	0500SC0147
Cork	Bayview	0500SC0152
Cork	Clonakilty	0500SC0153
Cork	Lyre Clonakilty	0500SC0154
Cork	Cape Clear	0500SC0155
Cork	Bilberry	0500SC0157
Cork	Cloyne	0500SC0158
Cork	Midleton	0500SC0159
Cork	Tibbotstown	0500SC0161
Cork	Mogeely	0500SC0162
Cork	Strawhall	0500SC0165
Cork	Knoppogue	0500SC0166
Cork	Ballincurrig_Lisgoold	0500SC0167
Cork	Coppeen	0500SC0168
Cork	Johnstown	0500SC0169
Cork	Cluain Court Allihies	0500SC0170
Cork	Knockburden	0500SC0171
Cork	Ballyshoneen	0500SC0172
Cork	Skibbereen	0500SC0173
Cork	Glanworth /Ballykenley/Johnstown	0500SC0175
Cork	Fermoy	0500SC0176
Cork	Macroom	0500SC0177
Cork	Coolyhane	0500SC0178
Cork	Kilnagurteen (Macroom)	0500SC0179
Cork	Ballyverane	0500SC0180
Cork	Reenmeen West	0500SC0181
Cork	Gortnagreige	0500SC0182
Cork	Kealkill	0500SC0183
Cork	Whitegate Regional	0500SC0184
Cork	Ballyclough & Mount North	0500SC0185
Donegal	INISHOWEN WEST & Carndonagh & Culdaff	0600SC0001
Donegal	Rosses	0600SC0006
Donegal	Arranmore Island	0600SC0007
Donegal	Killybegs	0600SC0009
Donegal	Donegal (River Eske)	0600SC0010
Donegal	Pettigo Pub	0600SC0011
Donegal	Culdaff	0600SC0012
Donegal	Owenteskiny	0600SC0013
Donegal	GORTAHORK-FALCARRAGH	0600SC0026
Donegal	Lough Mourne	0600SC0028
Donegal	Letterkenny / Milford	0600SC0029
Donegal	Ballyshannon	0600SC0030
Donegal	GLENTIES-ARDARA	0600SC0035
Donegal	FROSSES-INVER	0600SC0036
Donegal	Lettermacaward	0600SC0038
Donegal	Creelough Dunfanaghy	0600SC0039
Donegal	Cashilard	0600SC0041
Donegal	Bundoran Urban	0600SC0042
Donegal	Carrigart-Downings & Cranford	0600SC0043
Donegal	Inishowen East & Pollan Dam	0600SC0044
Donegal	Bunrana	0600SC0045

Local Authority	Water Resource Zone Name	Water Resource Zone Reference
Donegal	FANAD WEST	0600SC0046
Donegal	FANAD EAST	0600SC0047
South Dublin	Brittas	0800SC0001
Galway City	Lough Corrib (Galway City, Tuam, Loughrea)	1100SC0001
Galway	Carna_KilKieran RWSS	1100SC0001_B
Galway	Dunmore_Glenamaddy P.S.	1100SC0001_D
Galway	Kilkerrin_Moylough	1100SC0001_F
Galway	Mid-Galway	1100SC0001_H
Galway	Mountbellew P.S.	1100SC0001_I
Galway	Oughterard	1100SC0001_J
Galway	Rosmuc P.S.	1100SC0001_K
Galway	Teeranea_Lettermore P.S.	1100SC0001_M
Galway	Ballymoe P.S.	1200SC0001
Galway	IN_Inishmean	1200SC0004
Galway	Ahascragh P.S.	1200SC0005
Galway	Ballinasloe Public Supply	1200SC0006
Galway	Ballyconneely P.S.	1200SC0007
Galway	Cleggan_Claddaghduff	1200SC0010
Galway	Clifden	1200SC0011
Galway	Clonbur PS	1200SC0012
Galway	Gort	1200SC0016
Galway	Inisboffin P.S.	1200SC0017
Galway	Inishere	1200SC0018
Galway	Inishmore	1200SC0019
Galway	Kilconnell PWS (GWS Import)	1200SC0020
Galway	Kinvara P.S.	1200SC0023
Galway	Leenane P.S.	1200SC0024
Galway	Portumna PS	1200SC0030
Galway	Tully-Tullycross	1200SC0035
Galway	Woodford PS	1200SC0036
Kerry	Annascaul / Ballintermon	1300SC0002
Kerry	An Mhin Aird	1300SC0003
Kerry	An Baile Mor / An Daingean	1300SC0004
Kerry	Baile An Fheirtearaigh / Tir Abhainn Thoir / Cill Maoilcheadair / An Ghraig/Cloichear	1300SC0005
Kerry	Dun Chaoin PWS 034D	1300SC0006
Kerry	An Fheothanach / An Mhuirioch/ Baile Breach	1300SC0007
Kerry	An Clochan	1300SC0008
Kerry	Castlegregory	1300SC0009
Kerry	Ardfert North/ Glenderry	1300SC0010
Kerry	Listowel Regional Public Water Supply	1300SC0011
Kerry	Brosna/Knocknagoshel PWS 016F	1300SC0012
Kerry	Central Regional - Lough Guitane	1300SC0013
Kerry	Mid Kerry	1300SC0015
Kerry	Emlaghpeasta / Portmagee / Maulin	1300SC0016
Kerry	Caherdaniel / Castlecove	1300SC0017
Kerry	Sneem PWS 068A	1300SC0018
Kerry	Kenmare / Kilgarvan	1300SC0019
Kerry	Ceann Tra PWS 074D	1300SC0022
Kerry	Waterville PWS 075H	1300SC0023
Kerry	Lyranes 303A	1300SC0024
Kerry	Mountain Stage PWS 062A	1300SC0025

Local Authority	Water Resource Zone Name	Water Resource Zone Reference
Kerry	Lios Cearnaigh PWS 052D	1300SC0026
Kerry	Lauragh PWS 051A	1300SC0027
Kerry	Ce Bhreannain	1300SC0028
Kerry	Kilgarvan	1300SC0029
Kerry	Aughacasla	1300SC0030
Kerry	Rathmore	1300SC0031
Kerry	Cahersiveen	1300SC0032
Kildare	Ardcarraig Clogherinkoe	1400SC0004
Kildare	Clonuff	1400SC0005
Kilkenny	South Kilkenny	1500SC0001
Kilkenny	Glenmore PWS	1500SC0002
Kilkenny	Kilkenny City & Bennettsbridge	1500SC0003
Kilkenny	Callan PWS	1500SC0005
Kilkenny	Urlingford-Johnstown PWS	1500SC0006
Kilkenny	Ballyragget PWS	1500SC0007
Kilkenny	Clogh-Castlecomer	1500SC0009
Kilkenny	Gowran-Goresbridge-Paulstown	1500SC0012
Kilkenny	Graiguenamanagh PWS	1500SC0013
Kilkenny	Thomastown / Inistioge	1500SC0017
Kilkenny	Galmoy Rathdowney PWS	1500SC0018
Kilkenny	Piltown-Fiddown	1500SC0019
Laois	Portlaoise	1600SC0001
Laois	Rosenallis	1600SC0003
Laois	Mountmellick	1600SC0004
Laois	Portarlinton	1600SC0005
Laois	Arles	1600SC0006
Laois	The Strand	1600SC0007
Laois	Coolanaugh PWS	1600SC0008
Laois	Borris In Ossory	1600SC0010
Laois	Camross PWS	1600SC0011
Laois	South East Regional PWS	1600SC0014
Laois	Swan PWS	1600SC0015
Laois	Mountrath	1600SC0016
Laois	Abbeyleix South	1600SC0017
Laois	Ballinakill	1600SC0018
Laois	Durrow	1600SC0019
Laois	Abbeyleix North	1600SC0020
Laois	Ballyroan	1600SC0021
Leitrim	Carrick-on-Shannon	1700SC0001
Leitrim	North Leitrim Regional Water Supply	1700SC0003
Leitrim	Kinlough Tullaghan	1700SC0004
Limerick	Limerick City	1900SC0001
Limerick	CappamoreFoileen Water Supply	1900SC0003
Limerick	Doon Water Supply	1900SC0004
Limerick	Oola / Pallasgreen	1900SC0005
Limerick	Fedamore Water Supply	1900SC0007
Limerick	Herbertstown	1900SC0008
Limerick	Bruff Water Supply	1900SC0009
Limerick	Knocklong/ Hospital	1900SC0010
Limerick	Galbally Water Supply	1900SC0011
Limerick	Ballylanders Water Supply	1900SC0012
Limerick	Martinstown Water Supply	1900SC0014

Local Authority	Water Resource Zone Name	Water Resource Zone Reference
Limerick	Glenosheen / Jamestown / Kilmallock	1900SC0015
Limerick	Rockhill & Bruree	1900SC0016
Limerick	Athlacca Water Supply	1900SC0017
Limerick	CastletownBallyagran Water Supply	1900SC0018
Limerick	South West Regional	1900SC0019
Limerick	Carrigkerry Water Supply	1900SC0020
Limerick	Abbeyfeale Water Supply	1900SC0021
Limerick	Glin Water Supply	1900SC0022
Limerick	Shannon Estuary Water Supply	1900SC0024
Limerick	Anglesboro Water Supply	1900SC0026
Limerick	Croom Water Supply	1900SC0028
Limerick	Adare	1900SC0029
Limerick	Kilteely	1900SC0030
Limerick	KilfinnaneArdpatrick Water Supply	1900SC0034
Limerick	Ballingarry	1900SC0035
Limerick	Rathkeale	1900SC0036
Limerick	Murroe	1900SC0037
Longford	Lanesboro & Newtowncashel	2000SC0001
Longford	Granard	2000SC0002
Longford	Ballymahon	2000SC0003
Longford	Gowna	2000SC0004
Longford	Longford Central	2000SC0005
Louth	South Louth & East Meath	2100SC0001
Louth	Cavanhill & North Louth	2100SC0002
Louth	Ardee / Collon / Drybridge	2100SC0007
Louth	Kilineer	2100SC0010
Louth	Carrickarnon (Water Supplied from NI-Water Import)	2100SC0013
Mayo	Lough Mask & Westport	2200SC0001
Mayo	Clare Island	2200SC0002
Mayo	Inishturk	2200SC0003
Mayo	Ballina	2200SC0004
Mayo	Achill	2200SC0005
Mayo	Ceide Fields	2200SC0006
Mayo	Erris RWSS	2200SC0007
Mayo	Charlestown	2200SC0008
Mayo	Foxford	2200SC0011
Mayo	Kilkelly	2200SC0012
Mayo	Kiltimagh PWS	2200SC0014
Mayo	Louisburgh	2200SC0015
Mayo	Mulranny	2200SC0016
Mayo	Newport	2200SC0017
Mayo	Swinford	2200SC0018
Mayo	Knock Airport	2200SC0019
Meath	Drumcondrath	2300SC0004
Meath	Kells-Oldcastle	2300SC0005
Meath	Athboy	2300SC0006
Meath	Ballivor	2300SC0007
Meath	Slane	2300SC0009
Meath	Kilmessan	2300SC0011
Meath	Clonard	2300SC0012
Meath	Trim	2300SC0014

Local Authority	Water Resource Zone Name	Water Resource Zone Reference
Meath	Longwood	2300SC0016
Meath	Enfield	2300SC0018
Meath	Castletown (Meath County Council)	2300SC0024
Meath	Kilmainhamwood /Nobber	2300SC0025
Meath	Moynalty	2300SC0027
Meath	St Louis, National School, Rathkenny	2300SC0045
Meath	Moynalvey Manor	2300SC0049
Meath	Navan-Mid Meath	2300SC0055
Monaghan	Ballybay (Lough Egish)	2400SC0002
Monaghan	Clones	2400SC0003
Monaghan	Newbliss	2400SC0004
Monaghan	Glaslough (GWS Import)	2400SC0005
Monaghan	Carrickmacross	2400SC0006
Monaghan	Emyvale (GWS Import)	2400SC0008
Monaghan	Inniskeen	2400SC0009
Monaghan	Smithboro	2400SC0010
Monaghan	Monaghan	2400SC0011
Offaly	Banagher PWS	2500SC0001
Offaly	Tullamore	2500SC0002
Offaly	Kilcormac PWS	2500SC0003
Offaly	Geashill PWS	2500SC0004
Offaly	Edenderry / Rhode	2500SC0005
Offaly	Walsh Island PWS	2500SC0006
Offaly	Clonbullogue PWS	2500SC0007
Offaly	Dunkerrin / Moneygall	2500SC0010
Offaly	Coolderry PWS	2500SC0012
Offaly	Mountbolus PWS	2500SC0013
Offaly	Daingean PWS	2500SC0014
Offaly	Birr / Kinnitty	2500SC0015
Offaly	Clara/Ferbane / Moyclare	2500SC0016
Offaly	Rahan	2500SC0017
Roscommon	Mount Talbot/Four Roads	2600SC0001
Roscommon	North East Regional PWS	2600SC0002
Roscommon	Castlerea PWS	2600SC0003
Roscommon	Roscommon Central Water Supply Scheme	2600SC0004
Roscommon	South Roscommon (Lisbrock & Killeglan)	2600SC0006
Roscommon	Arigna Regional PWS	2600SC0007
Roscommon	Boyle Regional	2600SC0008
Roscommon	North Roscommon Regional Water Supply Scheme	2600SC0009
Sligo	Lough Talt Regional Water Supply	2700SC0001
Sligo	Lough Easkey Regional Water Supply	2700SC0002
Sligo	North Sligo Regional Water Supply	2700SC0003
Sligo	Sligo Town & Environs	2700SC0004
Sligo	Riverstown Public Water Supply	2700SC0005
Tipperary	Roscrea	2900SC0002
Tipperary	Templederry	2900SC0003
Tipperary	Hollyford	2900SC0004
Tipperary	Kilcommon/Rearcross	2900SC0005
Tipperary	Two Mile Borris	2900SC0009
Tipperary	Horse & Jockey PWS	2900SC0013
Tipperary	Thurles / Borrisoleigh	2900SC0014

Local Authority	Water Resource Zone Name	Water Resource Zone Reference
Tipperary	Littleton PWS	2900SC0016
Tipperary	Ahenny	2900SC0020
Tipperary	Ardfinnan Regional	2900SC0021
Tipperary	Ballinvir	2900SC0022
Tipperary	Burncourt Ballylooby	2900SC0023
Tipperary	Carrick-On-Suir	2900SC0024
Tipperary	Clonmel	2900SC0025
Tipperary	Fethard & Mullenbawn Regional Public Water Supply	2900SC0026
Tipperary	South West Tipperary	2900SC0029
Tipperary	Tullohea	2900SC0031
Tipperary	Galtee Regional	2900SC0032
Tipperary	Kilcash	2900SC0036
Tipperary	Templetney/Brackford Bridge PWS	2900SC0039
Tipperary	Templemore / Templetuohy	2900SC0042
Tipperary	Lorrha	2900SC0043
Tipperary	Greyford source to Crotta	2900SC0045
Tipperary	Cloughjordan	2900SC0046
Tipperary	Tipperary Town Supply	2900SC0049
Tipperary	Nenagh	2900SC0050
Tipperary	Terryglass	2900SC0051
Tipperary	Newport RWSS	2900SC0066
Tipperary	Coalbrook / Commons	2900SC0067
Tipperary	Upperchurch	2900SC0068
Waterford	Dungarvan	3100SC0001
Waterford	Ardmore	3100SC0005
Waterford	Grallagh	3100SC0007
Waterford	Tinkock\Tinnabinna	3100SC0008
Waterford	Strancally	3100SC0010
Waterford	Kereen	3100SC0015
Waterford	Villierstown	3100SC0016
Waterford	Camphire	3100SC0017
Waterford	Kilmore-Kilbeg / Tallow	3100SC0020
Waterford	Ballysaggart / Carrignagower	3100SC0024
Waterford	Boolavoonteen / Kilcooney / Touraneena	3100SC0027
Waterford	Carrowgarriff	3100SC0030
Waterford	East Waterford Water Supply Scheme	3100SC0033
Waterford	Smoore	3100SC0035
Waterford	Faha	3100SC0042
Waterford	Garryahlish	3100SC0044
Waterford	Comeragh	3100SC0045
Waterford	Ballyguiry	3100SC0051
Waterford	Ballyheaphy	3100SC0052
Waterford	Inchinleamy	3100SC0053
Waterford	Ballymacarbry	3100SC0054
Waterford	Ballynoe / Melleray	3100SC0077
Waterford	Adramone / Kilrossanty	3100SC0079
Waterford	Moore's Well	3100SC0081
Waterford	Aglis Cul Rua	3100SC0082
Waterford	Stradbally	3100SC0083
Waterford	Ballycurrane / Clashmore / Kilmaloo	3100SC0084
Waterford	Russelstown /Lyrenaleara	3100SC0086

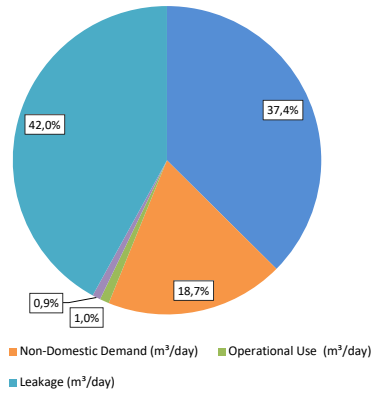
Local Authority	Water Resource Zone Name	Water Resource Zone Reference
Waterford	Glenagad	3100SC0087
Waterford	Rathgormack	3100SC0089
Waterford	Dunhill	3100SC0091
Waterford	Dunhill Ballinageeragh	3100SC0092
Waterford	Graiguenageeha	3100SC0093
Waterford	Kilnafrehan	3100SC0094
Waterford	Lismore / Cappoquin / Ballyduff (LCB)	3100SC0095
Waterford	Ballyogarty	3100SC0097
Waterford	Ballyshunnock	3100SC0098
Waterford	Kilmacthomas	3100SC0099
Waterford	Scrahan	3100SC0101
Waterford	Kill/Ballylaneen	3100SC0102
Waterford	Kilmore-Kilbeg	3100SC0106
Tipperary	Ballyknock	3100SC0107
Tipperary	Garravoone	3100SC0108
Tipperary	Joanstown	3100SC0109
Tipperary	Crehanagh	3100SC0110
Waterford	Deelish/Ballinacourty	3100SC0111
Waterford	Modeligo	3100SC0112
Waterford	Lacken	3100SC0113
Waterford	Liskealty	3100SC0114
Waterford	Ardmore Grange	3100SC0115
Waterford	Kilbrien	3100SC0116
Waterford	Poulnagunoge	3100SC0117
Westmeath	Mullingar Regional	3200SC0001
Westmeath	Athlone	3200SC0002
Westmeath	Ballany	3200SC0003
Wexford	Gorey	3300SC0001
Wexford	Camolin	3300SC0002
Wexford	Ferns Regional	3300SC0003
Wexford	Bunclody	3300SC0004
Wexford	Marshalstown	3300SC0010
Wexford	Ballindaggin	3300SC0011
Wexford	Kiltealy	3300SC0012
Wexford	Clonroche	3300SC0013
Wexford	Monageer	3300SC0014
Wexford	Davidstown	3300SC0015
Wexford	Glynn	3300SC0017
Wexford	Coolgreany	3300SC0020
Wexford	Carrigbyrne	3300SC0022
Wexford	Enniscorthy	3300SC0023
Wexford	New Ross	3300SC0025
Wexford	Woodview Drive Adamstown	3300SC0027
Wexford	South East Wexford (Incl. Wexford)	3300SC0031
Wexford	Ballyhogue	3300SC0032
Wexford	Raheen	3300SC0066
Wexford	Bree	3300SC0077
Wicklow	Arklow Public Supply	3400SC0001
Wexford	Tinahely Regional Supply	3400SC0002
Wicklow	Baltinglass Public Supply	3400SC0003
Wicklow	Dunlavin Public Supply	3400SC0004
Wicklow	Hollywood Donard Public Supply	3400SC0005

Local Authority	Water Resource Zone Name	Water Resource Zone Reference
Wicklow	Aughrim Annacurra Public Supply	3400SC0006
Wicklow	Avoca Ballinaclash Public Supply	3400SC0007
Wicklow	Ballyknockan Vallemount Public Supply	3400SC0008
Wicklow	Stratford Public Supply	3400SC0009
Wicklow	Coolboy Coolafancy Public Supply	3400SC0010
Wicklow	Kiltegan Public Supply	3400SC0011
Wicklow	Redcross Conary Public Supply	3400SC0012
Wicklow	Raheengroney Public Supply	3400SC0013
Wicklow	Rathdangan Public Supply	3400SC0014
Wicklow	Knockananna Public Supply	3400SC0015
Wicklow	Barndarrig Public Supply	3400SC0017
Wicklow	Ballycoog Public Supply	3400SC0018
Wicklow	Grangecon Public Supply	3400SC0019
Wicklow	Thomastown Public Supply	3400SC0020
Wicklow	Kirikee Public Supply	3400SC0021
Wicklow	Knockanarrigan Davidstown Public Supply	3400SC0023
Wicklow	Ballinteskin Public Supply	3400SC0025
Wicklow	Ballinapark Public Supply	3400SC0027
Wicklow	Killavaney Public Supply (Arklow)	3400SC0030
Wicklow	Ballyclogh Public Supply	3400SC0031
Wicklow	Killavaney Public Supply (Tinahely)	3400SC0032
Wicklow	Ballymorris Public Supply	3400SC0033
Wicklow	Kilballyowen (Aughrim) Public Supply	3400SC0035
Wicklow	Ballynavortha Public Supply	3400SC0045
Wicklow	Rathdrum Public Supply	3400SC0046
Wicklow	Laragh Annamoe Public Supply	3400SC0047
Wicklow	Knocknagilky Public Supply	3400SC0052
Wicklow	Ballingate Public Supply	3400SC0053
GDA	Greater Dublin Area	GDA

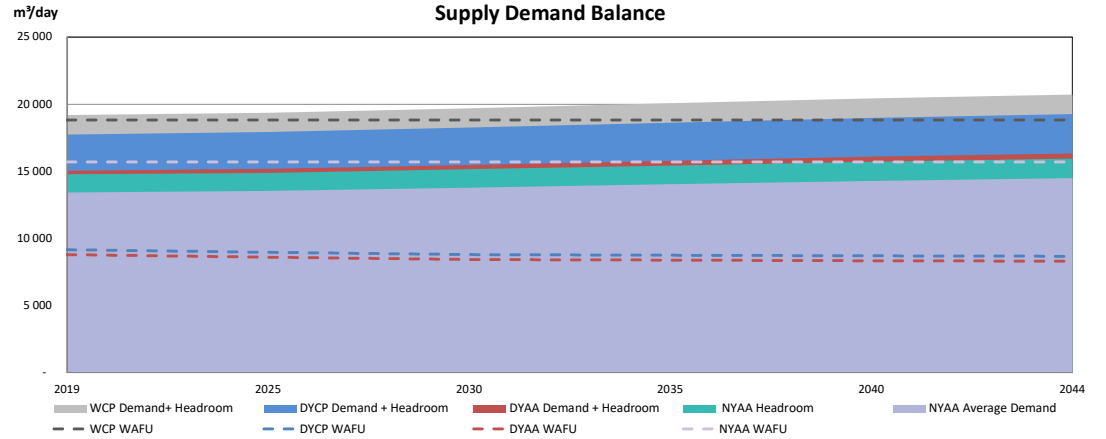
WRZ CODE	0100SC0001	WRZ Name	Carlow North	Study Area	6	Study Group		Local Authority	Carlow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	5 024
Non-Domestic Demand (m ³ /day)	2 514
Operational Use (m ³ /day)	130
Apparent Losses (m ³ /day)	117
Leakage (m ³ /day)	5 637
Demand (m³/day)	13 422

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	13 422	1 342	14 764	15 040	17 747	19 193
2025	13 527	1 353	14 880	15 179	17 911	19 344
2030	13 780	1 378	15 158	15 481	18 267	19 705
2035	14 033	1 403	15 436	15 784	18 624	20 067
2040	14 286	1 429	15 714	16 088	18 980	20 429
2044	14 488	1 449	15 937	16 316	19 264	20 718

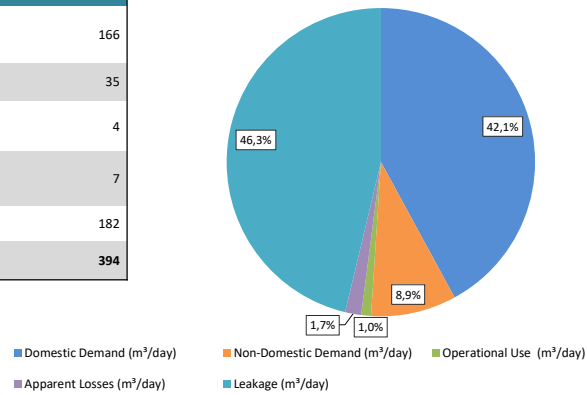
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000616	Derrymoyle WTP	1 205	1 004	1 105	No Licence	1 779	22Hr	1 105	-	1 105	
WTP0001193	Tullow WTP	1 200	1 000	1 100	No Licence	22 883	22Hr	1 100	-	1 100	
WTP0000220	Oak Park WTP	2 000	1 667	1 833	No Licence	2 873	22Hr	1 833	-	1 833	
WTP0000700	Sion Cross WTP	3 500	2 917	3 208	4 550	1 235	Yield	1 143	-	1 143	
WTP0000661	Rathvilly WTP	11 500	9 583	10 542	18 000	3 971	Yield	3 673	-	184	Significant Reduction
TOTAL		19 405	16 171	17 788	22 550	32 741		8 853	-	184	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	15 692	8 790	9 157	18 830	928	6 250	8 590	363	
2025	15 692	8 595	8 962	18 830	812	6 585	8 949	514	
2030	15 692	8 432	8 799	18 830	534	7 049	9 468	875	
2035	15 692	8 383	8 750	18 830	256	7 401	9 874	1 237	
2040	15 692	8 338	8 706	18 830	23	7 750	10 274	1 599	
2044	15 692	8 303	8 670	18 830	245	8 014	10 594	1 888	

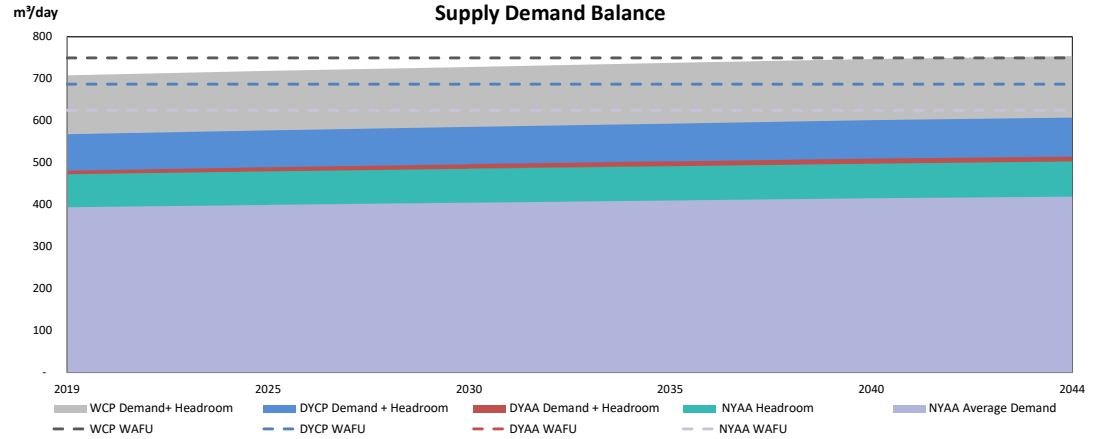
WRZ CODE	0100SC0002	WRZ Name	Leighlinbridge	Study Area	6	Study Group		Local Authority	Carlow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	166
Non-Domestic Demand (m ³ /day)	35
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	7
Leakage (m ³ /day)	182
Demand (m³/day)	394

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	394	79	472	481	568	708
2025	400	80	479	489	577	719
2030	405	81	486	496	585	728
2035	410	82	492	503	593	738
2040	415	83	498	510	601	747
2044	419	84	503	515	608	754

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000109	Leighlinbridge WTP	750	625	688	No Licence	958	22Hr	688	-	688	
TOTAL		750	625	688	-	958		688	-	688	

WAFU

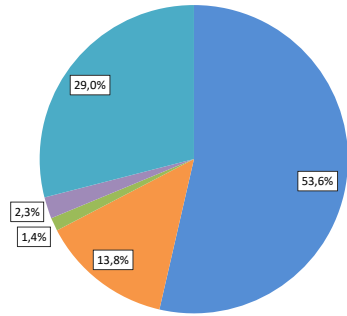
Supply Demand Balance

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	625	625	688	750	153	144	120	42
2025	625	625	688	750	146	136	110	31
2030	625	625	688	750	139	129	102	22
2035	625	625	688	750	133	122	94	12
2040	625	625	688	750	127	115	86	3
2044	625	625	688	750	122	110	80	4

WRZ CODE	0100SC0003	WRZ Name	Old Leighlin	Study Area	6	Study Group		Local Authority	Carlow
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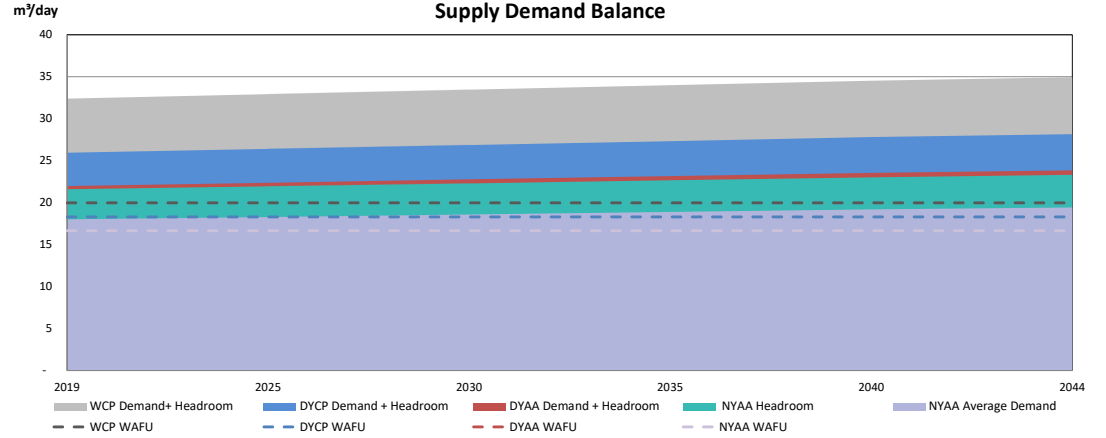
Base Demand in 2019	
Domestic Demand (m ³ /day)	10
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	5
Demand (m³/day)	18

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	18	4	22	22	26	32
2025	18	4	22	22	26	33
2030	19	4	22	23	27	33
2035	19	4	23	23	27	34
2040	19	4	23	24	28	35
2044	19	4	23	24	28	35

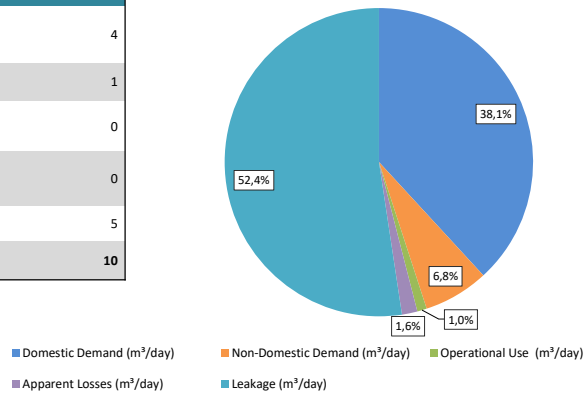
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000222	Old Leighlin WTP	20	17	18	No Licence	77	22Hr	18	-	18	
TOTAL		20	17	18	-	77		18	-	18	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	17	17	18	20	5	5	8	12
2025	17	17	18	20	5	6	8	13
2030	17	17	18	20	6	6	9	13
2035	17	17	18	20	6	7	9	14
2040	17	17	18	20	6	7	9	15
2044	17	17	18	20	7	7	10	15

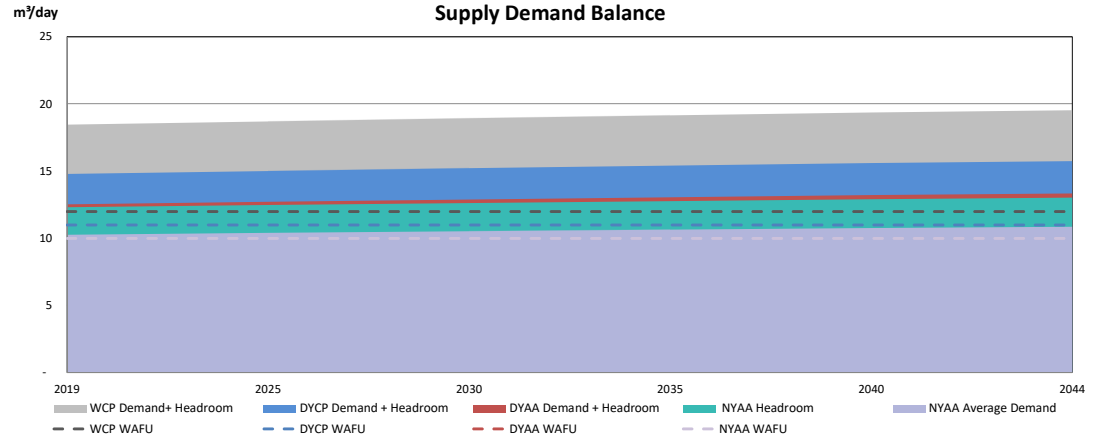
WRZ CODE	0100SC0004	WRZ Name	Bilboa	Study Area	6	Study Group		Local Authority	Carlow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	4
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	5
Demand (m³/day)	10

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	2	12	13	15	18
2025	10	2	12	13	15	19
2030	11	2	13	13	15	19
2035	11	2	13	13	15	19
2040	11	2	13	13	16	19
2044	11	2	13	13	16	20

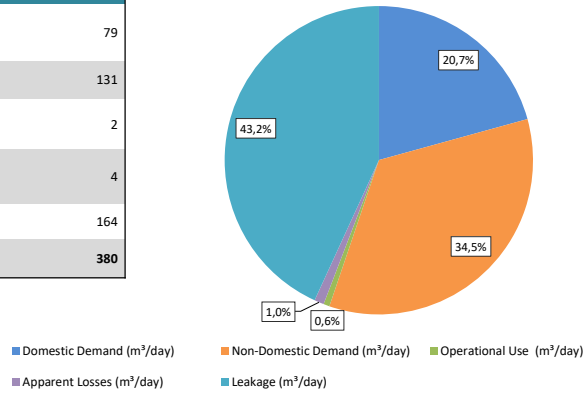
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000306	Bilboa WTP	12	10	11	No Licence	14	22Hr	11	-	11	Issue Capacity / Yield (Unknown)
TOTAL		12	10	11	-	14		11	-	11	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	10	11	12	2	3	4	6
2025	10	10	11	12	2	3	4	7
2030	10	10	11	12	3	3	4	7
2035	10	10	11	12	3	3	4	7
2040	10	10	11	12	3	3	5	7
2044	10	10	11	12	3	3	5	8

WRZ CODE	0100SC0005	WRZ Name	Hacketstown	Study Area	2	Study Group		Local Authority	Carlow
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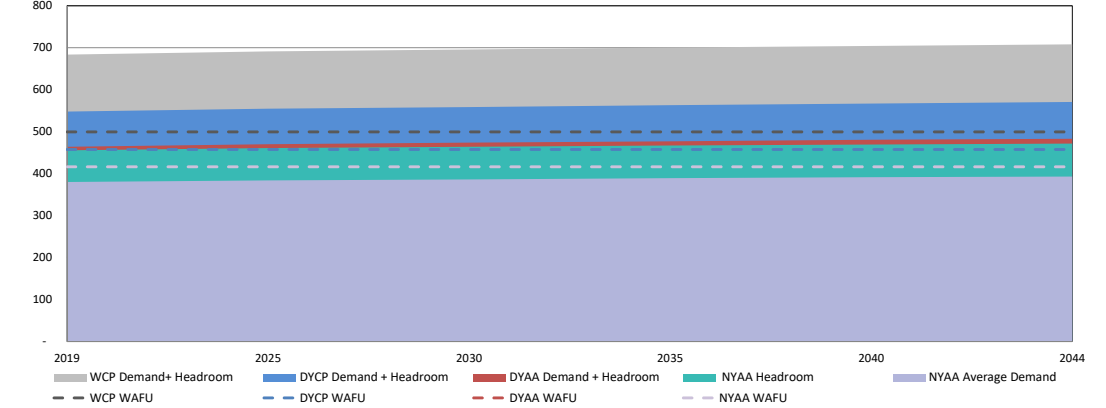
Base Demand in 2019	
Domestic Demand (m ³ /day)	79
Non-Domestic Demand (m ³ /day)	131
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	164
Demand (m³/day)	380

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	380	76	456	464	548	684
2025	384	77	461	470	555	692
2030	387	77	464	474	559	696
2035	389	78	467	477	563	700
2040	391	78	470	481	567	705
2044	393	79	472	483	571	708

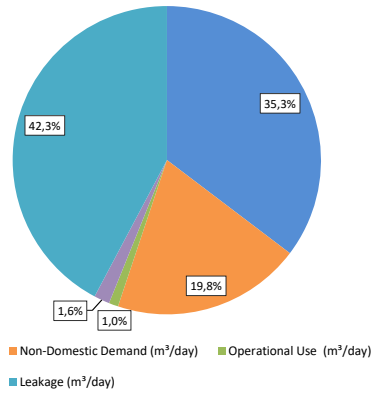
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000461	Hacketstown WTP	500	417	458	No Licence	10 158	22Hr	458	-	458	Critical - Low Flow Intervention
TOTAL		500	417	458	-	10 158		458	-	458	

Year	WAFU					Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WCP (m ³ /day)
2019	417	417	458	500	39	48	90	184	458	184
2025	417	417	458	500	44	54	97	192	458	192
2030	417	417	458	500	47	57	101	196	458	196
2035	417	417	458	500	50	61	105	200	458	200
2040	417	417	458	500	53	64	109	205	458	205
2044	417	417	458	500	55	67	112	208	458	208

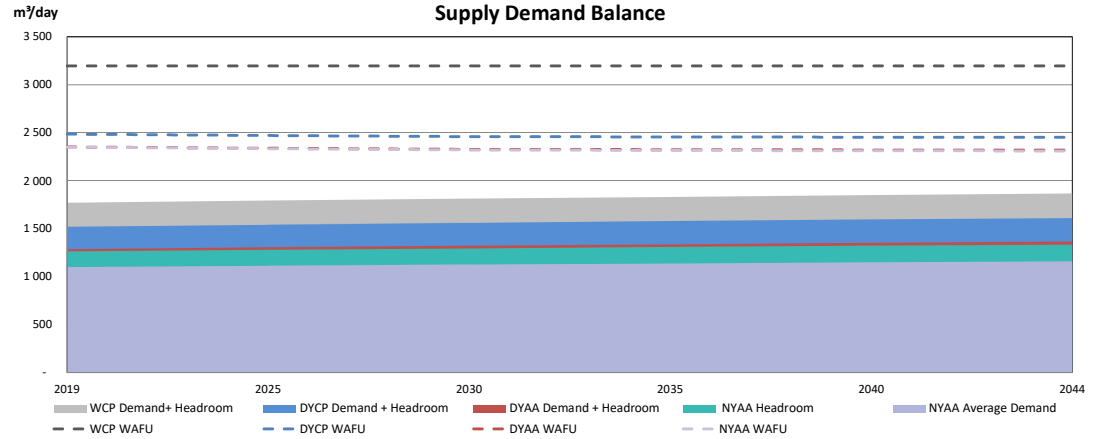
WRZ CODE	0100SC0008	WRZ Name	Bagenalstown	Study Area	6	Study Group		Local Authority	Carlow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	388
Non-Domestic Demand (m ³ /day)	218
Operational Use (m ³ /day)	11
Apparent Losses (m ³ /day)	18
Leakage (m ³ /day)	465
Demand (m³/day)	1 099

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 099	165	1 264	1 288	1 520	1 770
2025	1 114	167	1 281	1 306	1 542	1 793
2030	1 126	169	1 294	1 322	1 560	1 812
2035	1 138	171	1 308	1 338	1 579	1 832
2040	1 150	172	1 322	1 354	1 597	1 851
2044	1 159	174	1 333	1 365	1 612	1 866

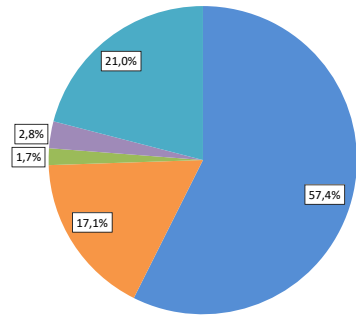
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000689	Royal Oak WTP	1 600	1 333	1 467	No Licence	3 544	22Hr	1 467	-	1 467	
WTP0000058	Bagenalstown WTP	1 600	1 333	1 467	No Licence	996	Yield	986	-	986	
TOTAL		3 200	2 667	2 933	-	4 540		2 453	-	2 453	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	2 352	2 354	2 487	3 200	1 088	1 066	968	1 430	
2025	2 336	2 340	2 473	3 200	1 055	1 034	932	1 407	
2030	2 322	2 329	2 462	3 200	1 028	1 007	902	1 388	
2035	2 318	2 325	2 458	3 200	1 010	987	880	1 368	
2040	2 314	2 322	2 455	3 200	992	968	858	1 349	
2044	2 311	2 319	2 453	3 200	978	955	841	1 334	

WRZ CODE	0100SC0009	WRZ Name	Borris	Study Area	L	Study Group	Local Authority	Carlow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	80
Non-Domestic Demand (m ³ /day)	24
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	29
Demand (m³/day)	139

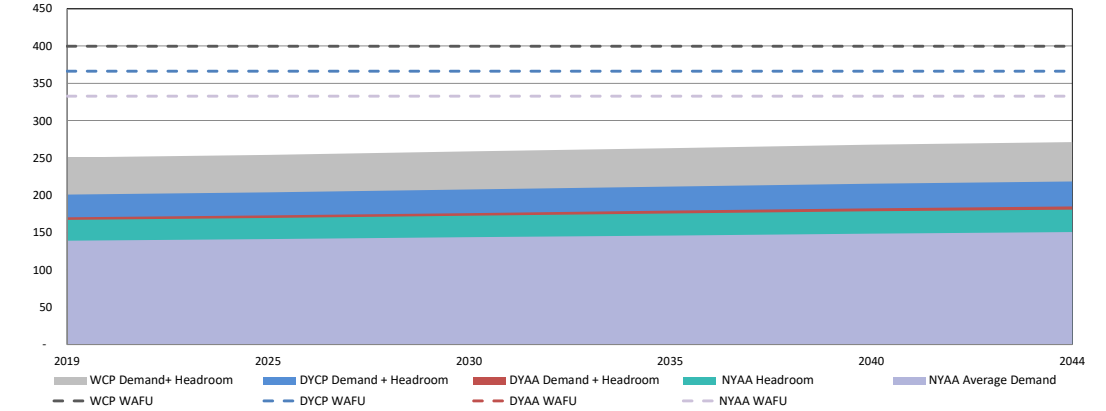
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	139	28	167	170	201	251
2025	141	28	170	173	204	254
2030	144	29	173	176	208	259
2035	146	29	176	179	212	263
2040	149	30	178	183	216	268
2044	151	30	181	185	219	271

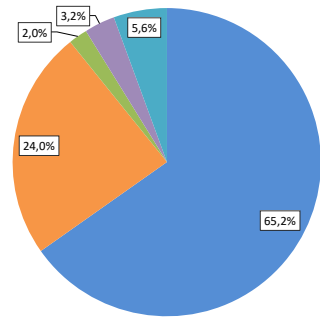
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000368	Borris WTP	400	333	367	No Licence	7 654	22Hr	367	-	367	Critical - Low Flow Intervention
TOTAL		400	333	367	-	7 654		367	-	367	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	Operational Comments from Drought 2018
2019	333	333	367	400	166	163	166	149		
2025	333	333	367	400	164	160	163	146		
2030	333	333	367	400	161	157	159	141		
2035	333	333	367	400	158	154	155	137		
2040	333	333	367	400	155	151	151	132		
2044	333	333	367	400	152	148	148	129		

WRZ CODE	0100SC0010	WRZ Name	Ballinkillen	Study Area	L	Study Group		Local Authority	Carlow
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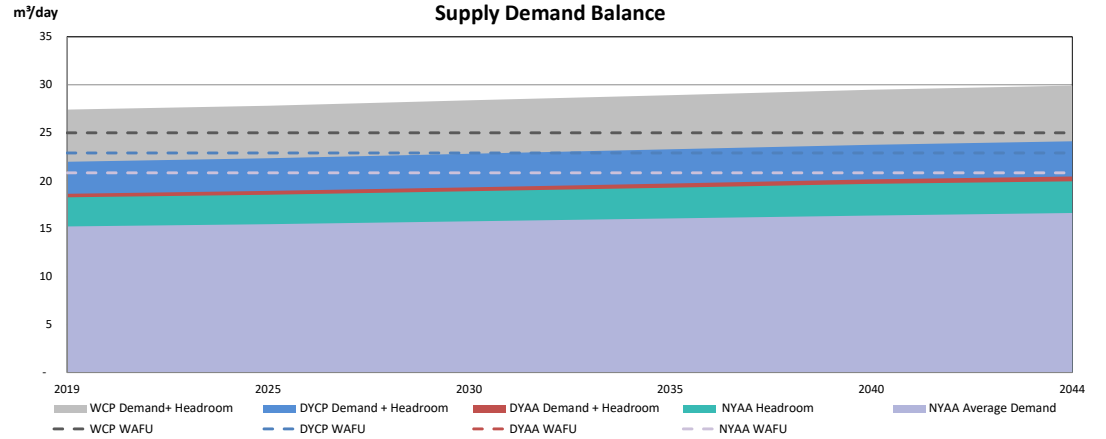
Base Demand in 2019	
Domestic Demand (m ³ /day)	10
Non-Domestic Demand (m ³ /day)	4
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	1
Demand (m³/day)	15

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	15	3	18	19	22	27
2025	15	3	19	19	22	28
2030	16	3	19	19	23	28
2035	16	3	19	20	23	29
2040	16	3	20	20	24	29
2044	17	3	20	20	24	30

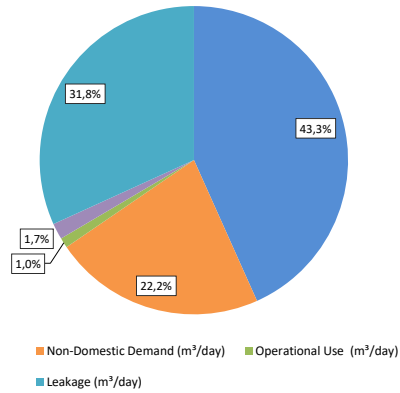
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000091	Ballinkillin WTP	25	21	23	No Licence	34	22Hr	23	-	23	
TOTAL		25	21	23	-	34		23	-	23	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	21	21	23	25	3	2	1	2
2025	21	21	23	25	2	2	1	3
2030	21	21	23	25	2	2	0	3
2035	21	21	23	25	1	1	0	4
2040	21	21	23	25	1	1	1	4
2044	21	21	23	25	1	0	1	5

WRZ CODE	0100SC0011	WRZ Name	Carlow Central Regional	Study Area	6	Study Group		Local Authority	Carlow
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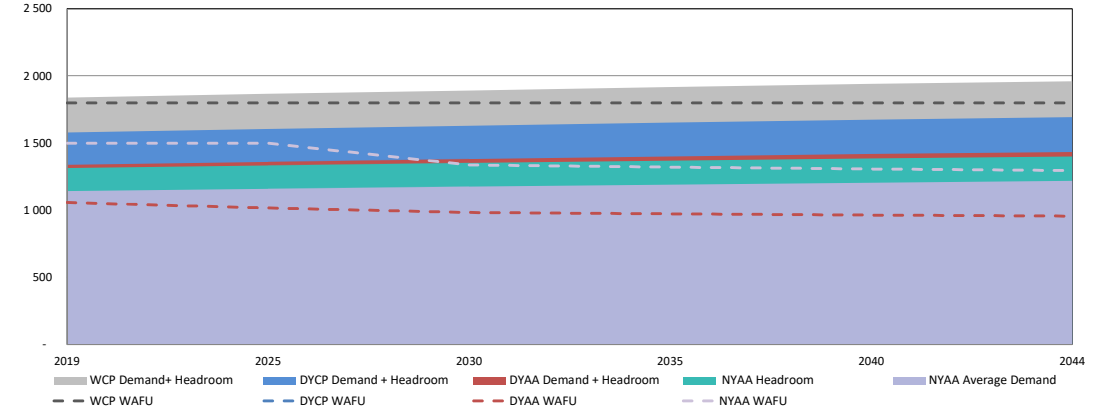
Base Demand in 2019	
Domestic Demand (m ³ /day)	494
Non-Domestic Demand (m ³ /day)	253
Operational Use (m ³ /day)	12
Apparent Losses (m ³ /day)	19
Leakage (m ³ /day)	363
Demand (m³/day)	1 142

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 142	171	1 314	1 338	1 579	1 839
2025	1 160	174	1 334	1 361	1 606	1 868
2030	1 175	176	1 352	1 381	1 629	1 892
2035	1 191	179	1 369	1 400	1 652	1 917
2040	1 206	181	1 387	1 420	1 675	1 942
2044	1 218	183	1 401	1 434	1 693	1 961

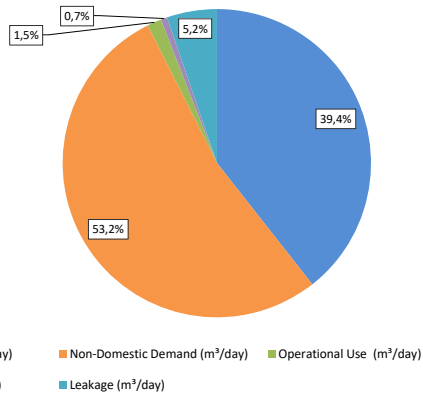
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000649	Raheenleigh WTP	1 800	1 500	1 650	No Licence	1 035	Yield	958	-	958	Critical - Low Flow Intervention
TOTAL		1 800	1 500	1 650	-	1 035		958	-	958	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 500	1 059	1 059	1 800	186 -	280 -	521 -	39	
2025	1 500	1 018	1 018	1 800	166 -	343 -	588 -	68	
2030	1 338	985	985	1 800 -	14 -	396 -	644 -	92	
2035	1 322	974	974	1 800 -	47 -	426 -	678 -	117	
2040	1 308	965	965	1 800 -	79 -	455 -	710 -	142	
2044	1 297	958	958	1 800 -	104 -	477 -	736 -	161	

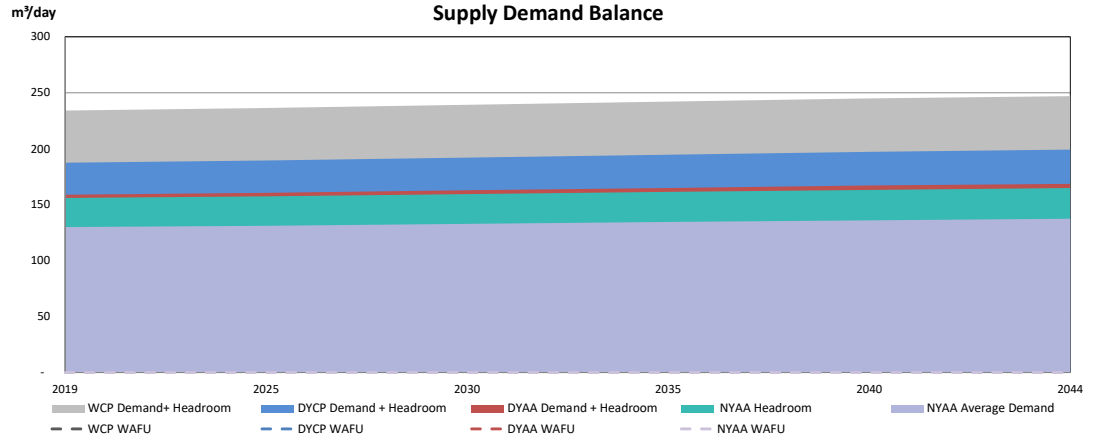
WRZ CODE	0200SC0001	WRZ Name	Arvagh PWS (GWS Import)	Study Area	F	Study Group		Local Authority	Cavan
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Base Demand in 2019	
Domestic Demand (m ³ /day)	51
Non-Domestic Demand (m ³ /day)	69
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	7
Demand (m³/day)	130

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	130	26	156	159	188	234
2025	131	26	158	161	190	236
2030	133	27	159	163	192	239
2035	134	27	161	165	195	242
2040	136	27	163	167	197	245
2044	137	27	165	169	199	247

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
Supply imported from group water scheme, no Irish Water assets.											
TOTAL		-	-	-	-	-		-	-	-	

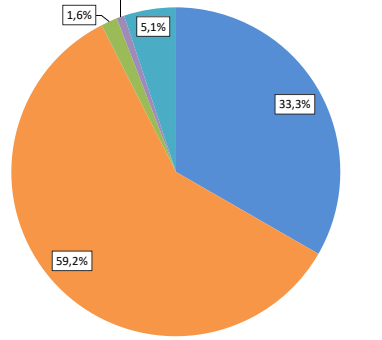
Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-

Supply imported from group water scheme, no Irish Water assets.

WRZ CODE	0200SC0002	WRZ Name	0.7% cklion PWS (GWS Import)	Study Area	B	Study Group		Local Authority	Cavan
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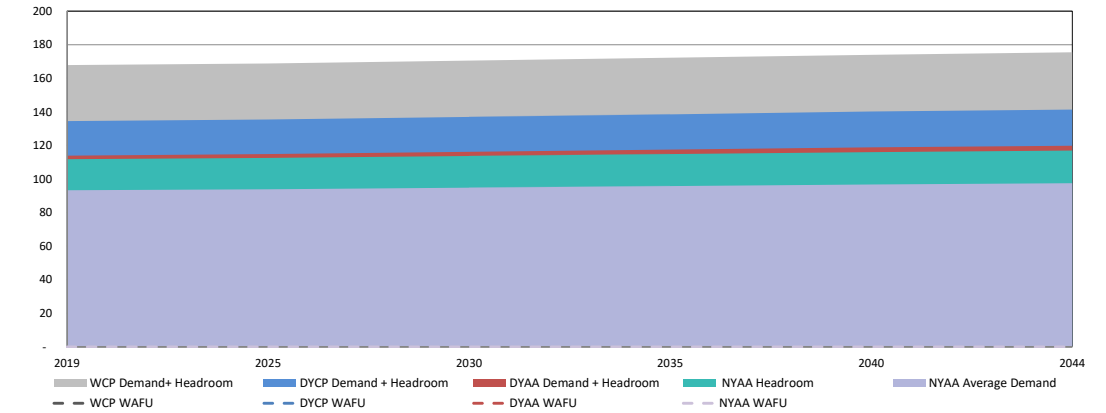
Base Demand in 2019	
Domestic Demand (m ³ /day)	31
Non-Domestic Demand (m ³ /day)	55
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	5
Demand (m³/day)	93

Components of Base Demand 2019



- Domestic Demand (m³/day)
- Non-Domestic Demand (m³/day)
- Operational Use (m³/day)
- Apparent Losses (m³/day)
- Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	93	19	112	114	135	168
2025	94	19	113	115	136	169
2030	95	19	114	116	137	171
2035	96	19	115	117	139	172
2040	97	19	116	119	140	174
2044	97	19	117	120	141	175

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
Supply imported from group water scheme, no Irish Water assets.											
TOTAL		-	-	-	-	-		-	-	-	

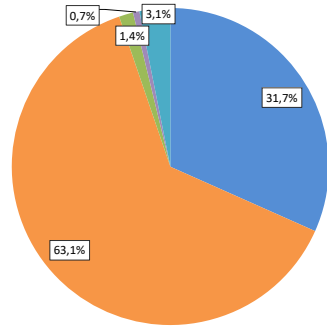
Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-

Supply imported from group water scheme, no Irish Water assets.

WRZ CODE	0200SC003	WRZ Name	Dowra PWS (GWS Import)	Study Area	C	Study Group		Local Authority	Cavan
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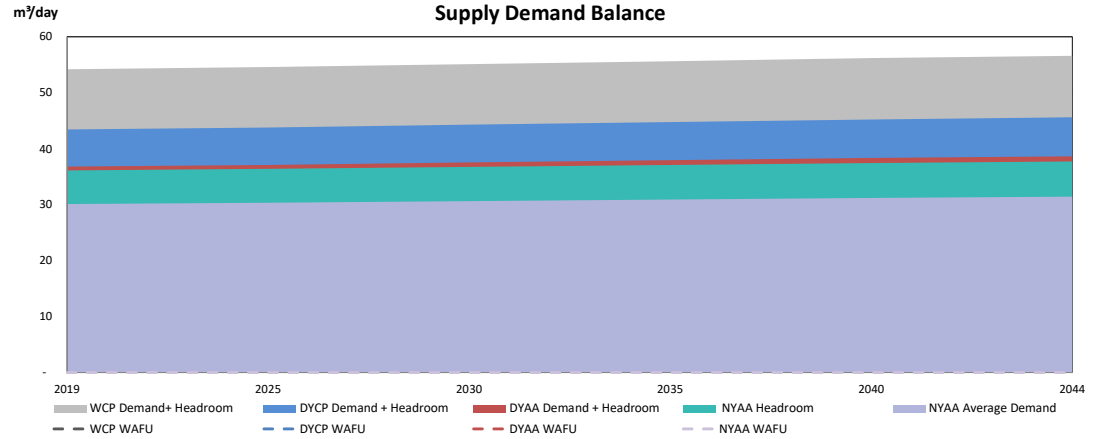
Base Demand in	2019
Domestic Demand (m ³ /day)	10
Non-Domestic Demand (m ³ /day)	19
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	1
Demand (m³/day)	30

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	30	6	36	37	43	54
2025	30	6	36	37	44	55
2030	31	6	37	38	44	55
2035	31	6	37	38	45	56
2040	31	6	37	38	45	56
2044	31	6	38	39	46	57

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
Supply imported from group water scheme, no Irish Water assets.											
TOTAL		-	-	-	-	-		-	-	-	

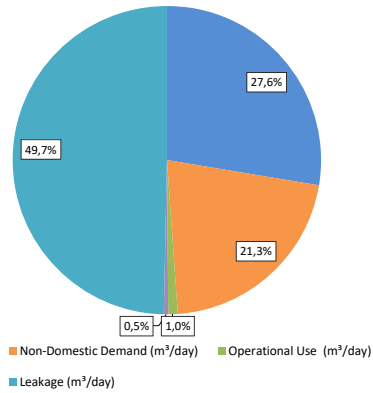
Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-

Supply imported from group water scheme, no Irish Water assets.

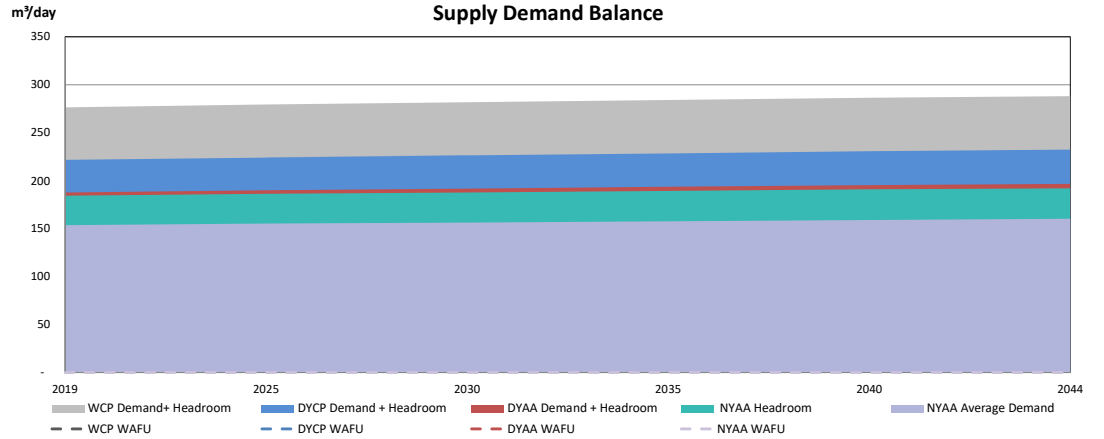
WRZ CODE	0200SC0004	WRZ Name	Gowna (GWS Import)	Study Area	B	Study Group		Local Authority	Cavan
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Base Demand in	2019
Domestic Demand (m ³ /day)	42
Non-Domestic Demand (m ³ /day)	33
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	76
Demand (m³/day)	154

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	154	31	184	188	222	277
2025	155	31	186	190	224	279
2030	156	31	188	192	226	282
2035	158	32	189	194	228	284
2040	159	32	191	195	231	286
2044	160	32	192	197	232	288

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
Supply imported from group water scheme, no Irish Water assets.											
TOTAL		-	-	-	-	-		-	-	-	

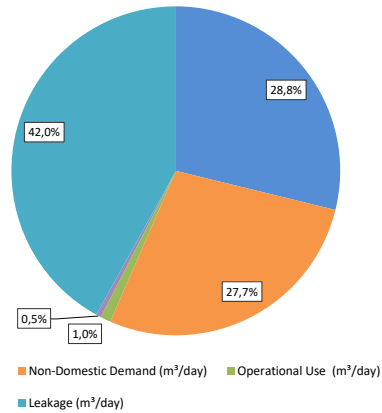
Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-

Supply imported from group water scheme, no Irish Water assets.

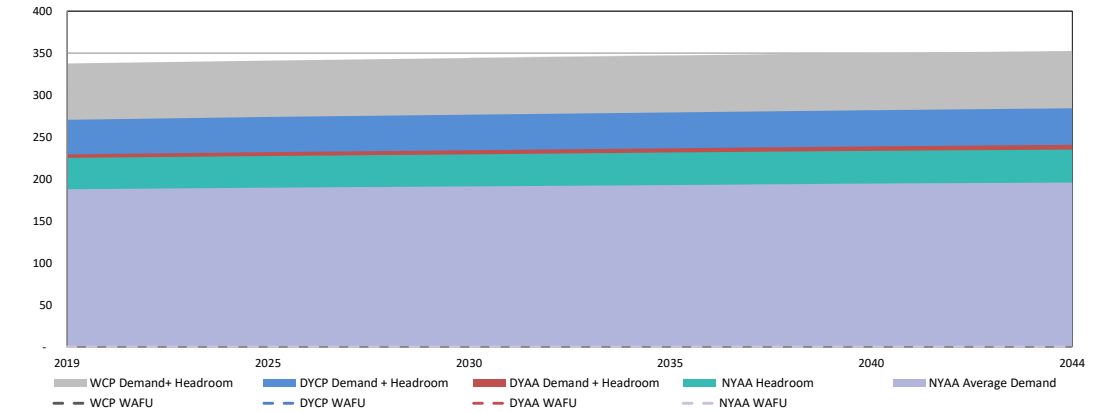
WRZ CODE	0200SC0005	WRZ Name	Killeshandra PWS (GWS Import)	Study Area	F	Study Group		Local Authority	Cavan
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Base Demand in 2019	
Domestic Demand (m ³ /day)	54
Non-Domestic Demand (m ³ /day)	52
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	79
Demand (m³/day)	188

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	188	38	225	225	271	338
2025	190	38	227	227	274	341
2030	191	38	230	230	277	344
2035	193	39	232	232	279	347
2040	195	39	234	234	282	350
2044	196	39	235	235	284	353

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
Supply imported from group water scheme, no Irish Water assets.											
TOTAL											

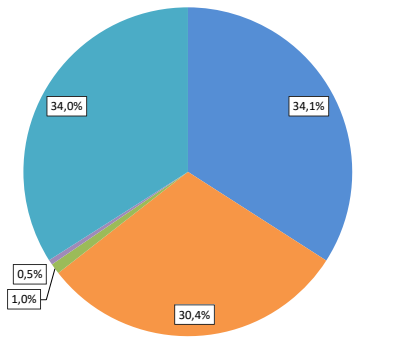
Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-

Supply imported from group water scheme, no Irish Water assets.

WRZ CODE	0200SC0006	WRZ Name	Shercock PWS (GWS Import)	Study Area	B	Study Group		Local Authority	Cavan
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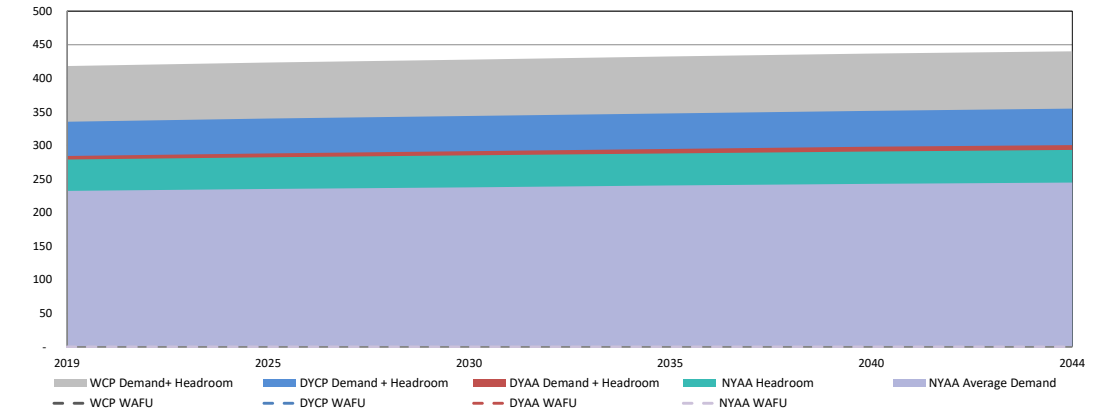
Base Demand in 2019	
Domestic Demand (m ³ /day)	79
Non-Domestic Demand (m ³ /day)	71
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	79
Demand (m³/day)	233

Components of Base Demand 2019



- Domestic Demand (m³/day)
- Non-Domestic Demand (m³/day)
- Operational Use (m³/day)
- Apparent Losses (m³/day)
- Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	233	47	279	284	335	419
2025	235	47	282	288	340	424
2030	238	48	285	291	344	428
2035	240	48	288	295	348	432
2040	243	49	291	298	352	437
2044	245	49	294	301	355	440

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
Supply imported from group water scheme, no Irish Water assets.											
TOTAL		-	-	-	-	-		-	-	-	

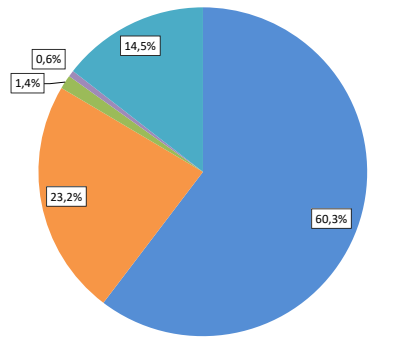
Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-

Supply imported from group water scheme, no Irish Water assets.

WRZ CODE	0200SC0008	WRZ Name	Ballyhaise PWS (GWS Import)	Study Area	B	Study Group		Local Authority	Cavan
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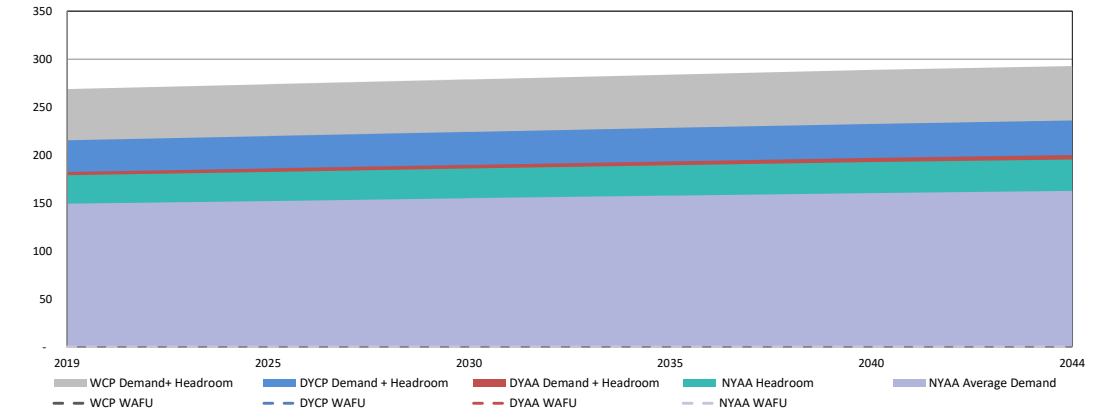
Base Demand in	2019
Domestic Demand (m ³ /day)	90
Non-Domestic Demand (m ³ /day)	35
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	22
Demand (m³/day)	149

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	149	30	179	183	215	269
2025	152	30	183	186	220	274
2030	155	31	186	190	224	279
2035	158	32	189	193	228	284
2040	160	32	193	197	233	289
2044	163	33	195	200	236	293

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
Supply imported from group water scheme, no Irish Water assets.											
TOTAL		-	-	-	-	-		-	-	-	

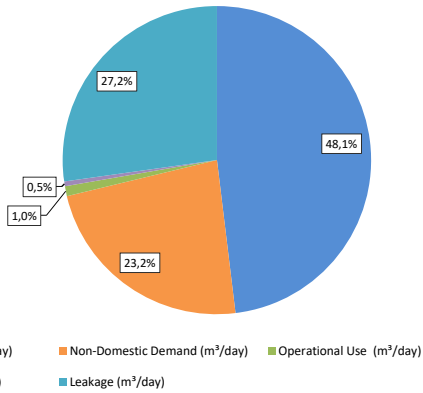
Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-

Supply imported from group water scheme, no Irish Water assets.

WRZ CODE	0200SC0011	WRZ Name	Ballyconnell PWS	Study Area	B	Study Group		Local Authority	Cavan
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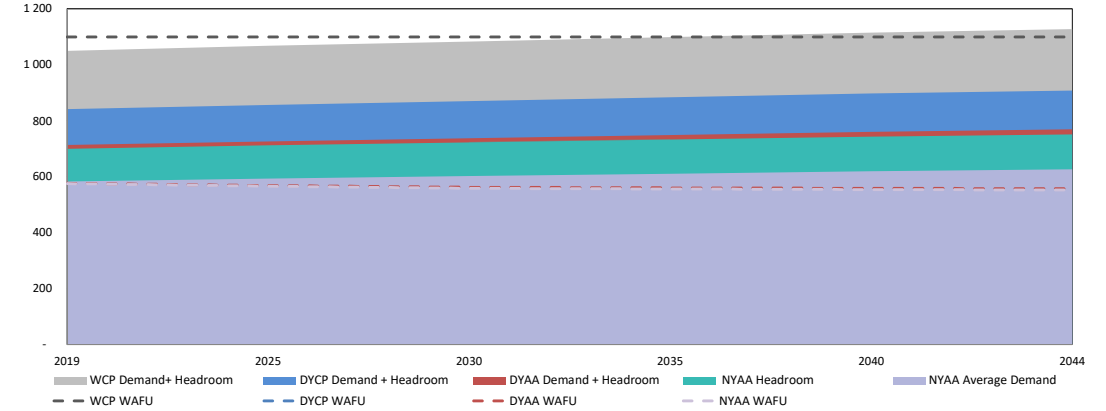
Base Demand in 2019	
Domestic Demand (m ³ /day)	280
Non-Domestic Demand (m ³ /day)	135
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	159
Demand (m³/day)	583

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	583	117	700	713	841	1 050
2025	593	119	712	726	857	1 068
2030	602	120	722	738	870	1 083
2035	611	122	733	749	884	1 099
2040	619	124	743	761	898	1 115
2044	626	125	751	769	908	1 127

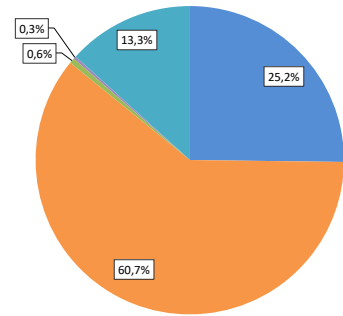
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000598	Ballyconnell WTP	1 100	917	1 008	No Licence	575	Yield	557	-	557	
TOTAL		1 100	917	1 008	-	575		557	-	557	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	576	577	577	1 100	124	136	264	50	-	-
2025	567	569	569	1 100	145	157	288	32	-	-
2030	559	563	563	1 100	163	175	308	17	-	-
2035	557	561	561	1 100	176	189	323	1	-	-
2040	555	559	559	1 100	189	202	339	15	-	-
2044	553	557	557	1 100	199	212	351	27	-	-

WRZ CODE	0200SC0012	WRZ Name	Ballyjamesduff RWSS	Study Area	B	Study Group		Local Authority	Cavan
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Base Demand in 2019	
Domestic Demand (m ³ /day)	595
Non-Domestic Demand (m ³ /day)	1 434
Operational Use (m ³ /day)	14
Apparent Losses (m ³ /day)	6
Leakage (m ³ /day)	313
Demand (m³/day)	2 362

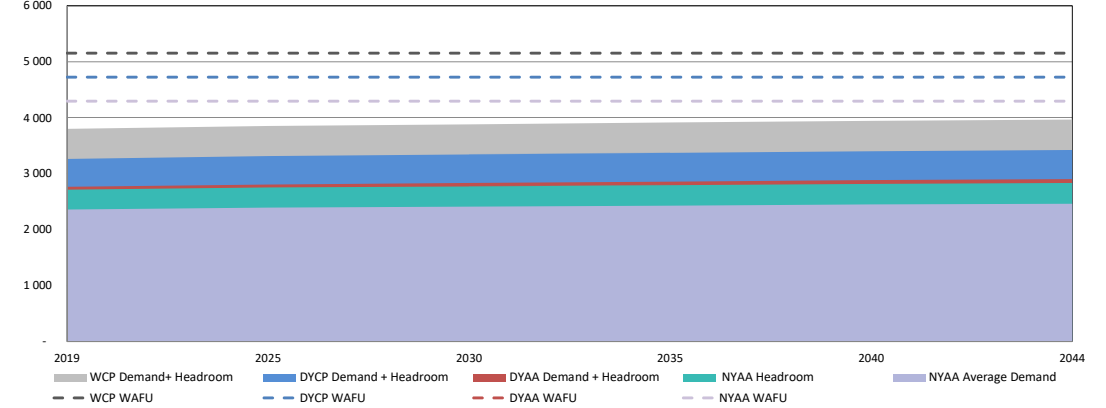
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 362	354	2 716	2 767	3 265	3 802
2025	2 394	359	2 753	2 808	3 313	3 854
2030	2 412	362	2 774	2 833	3 343	3 883
2035	2 430	365	2 795	2 858	3 372	3 913
2040	2 449	367	2 816	2 883	3 401	3 943
2044	2 464	370	2 833	2 901	3 425	3 966

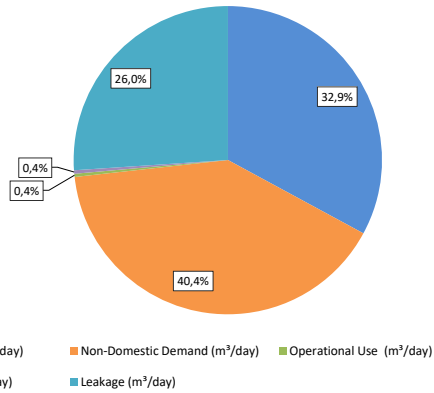
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000179	Lismean WTP	5 160	4 300	4 730	No Licence	4 806	22Hr	4 730	-	4 730	
TOTAL		5 160	4 300	4 730	-	4 806		4 730	-	4 730	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	4 300	4 300	4 730	5 160	1 584	1 533	1 465	1 358	
2025	4 300	4 300	4 730	5 160	1 547	1 492	1 417	1 306	
2030	4 300	4 300	4 730	5 160	1 526	1 467	1 387	1 277	
2035	4 300	4 300	4 730	5 160	1 505	1 442	1 358	1 247	
2040	4 300	4 300	4 730	5 160	1 484	1 417	1 329	1 217	
2044	4 300	4 300	4 730	5 160	1 467	1 399	1 305	1 194	

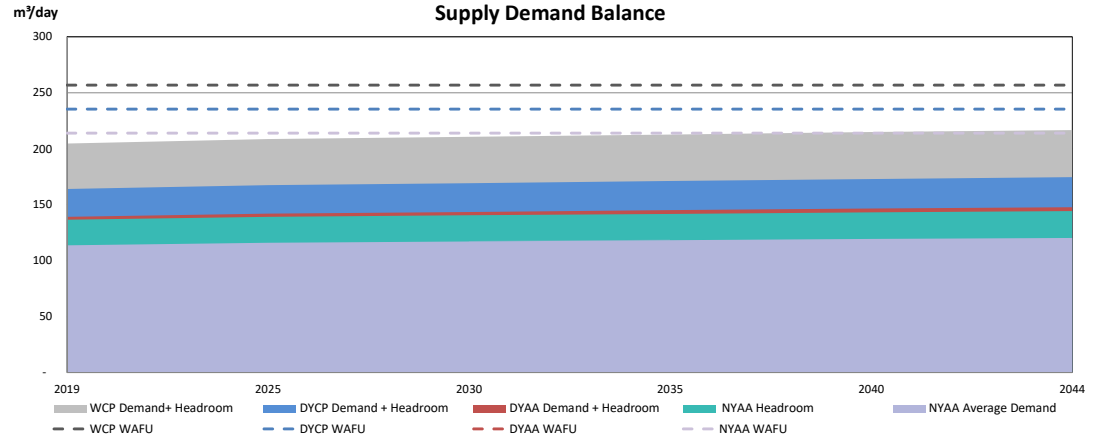
WRZ CODE	0200SC0013	WRZ Name	Bawnboy PWS	Study Area	B	Study Group		Local Authority	Cavan
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Base Demand in 2019	
Domestic Demand (m ³ /day)	37
Non-Domestic Demand (m ³ /day)	46
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	30
Demand (m³/day)	114

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	114	23	137	139	164	205
2025	116	23	139	142	167	209
2030	117	23	140	143	169	211
2035	118	24	142	145	171	213
2040	119	24	143	147	173	215
2044	120	24	144	148	174	217

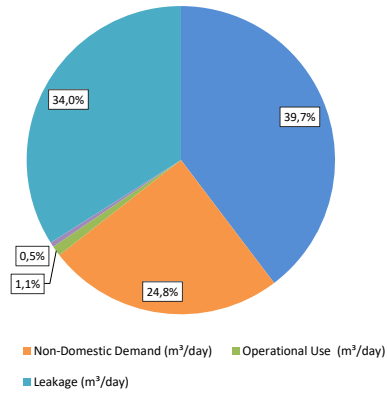
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000294	Bawnboy WTP	257	214	236	No Licence	1 628	22Hr	236	-	236	
TOTAL		257	214	236	-	1 628		236	-	236	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	214	214	236	257	78	75	71	52	
2025	214	214	236	257	75	72	68	48	
2030	214	214	236	257	74	71	66	46	
2035	214	214	236	257	72	69	64	44	
2040	214	214	236	257	71	68	63	42	
2044	214	214	236	257	70	66	61	40	

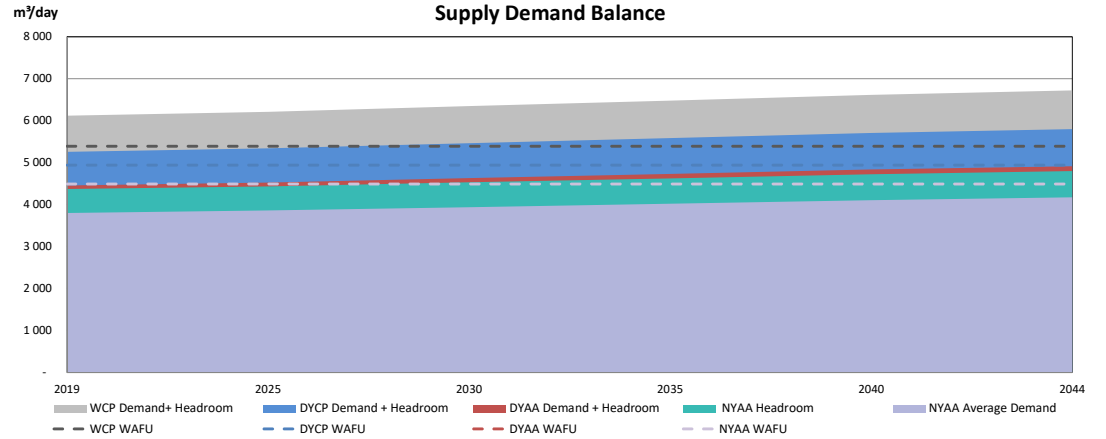
WRZ CODE	0200SC0014	WRZ Name	Cavan RWSS	Study Area	B	Study Group		Local Authority	Cavan
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 509
Non-Domestic Demand (m ³ /day)	942
Operational Use (m ³ /day)	41
Apparent Losses (m ³ /day)	19
Leakage (m ³ /day)	1 293
Demand (m³/day)	3 803

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 803	570	4 374	4 456	5 257	6 123
2025	3 859	579	4 438	4 528	5 342	6 214
2030	3 943	591	4 534	4 631	5 464	6 347
2035	4 026	604	4 629	4 734	5 586	6 481
2040	4 109	616	4 725	4 837	5 707	6 615
2044	4 175	626	4 801	4 916	5 804	6 722

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001152	Knockataggart WTP	5 400	4 500	4 950	No Licence	9 643	22Hr	4 950	-	4 950	
TOTAL		5 400	4 500	4 950	-	9 643		4 950	-	4 950	

WAFU

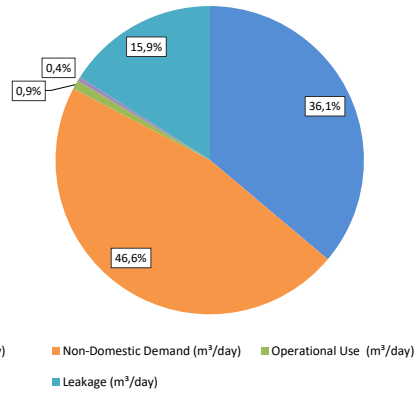
Supply Demand Balance

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4 500	4 500	4 950	5 400	126	44	307	723	4 500	4 500	4 950	5 400
2025	4 500	4 500	4 950	5 400	62	28	392	814	4 500	4 500	4 950	5 400
2030	4 500	4 500	4 950	5 400	34	131	514	947	4 500	4 500	4 950	5 400
2035	4 500	4 500	4 950	5 400	129	234	636	1 081	4 500	4 500	4 950	5 400
2040	4 500	4 500	4 950	5 400	225	337	757	1 215	4 500	4 500	4 950	5 400
2044	4 500	4 500	4 950	5 400	301	416	854	1 322	4 500	4 500	4 950	5 400

WRZ CODE	0200SC0015	WRZ Name	Bailieboro RWSS	Study Area	3	Study Group		Local Authority	Cavan
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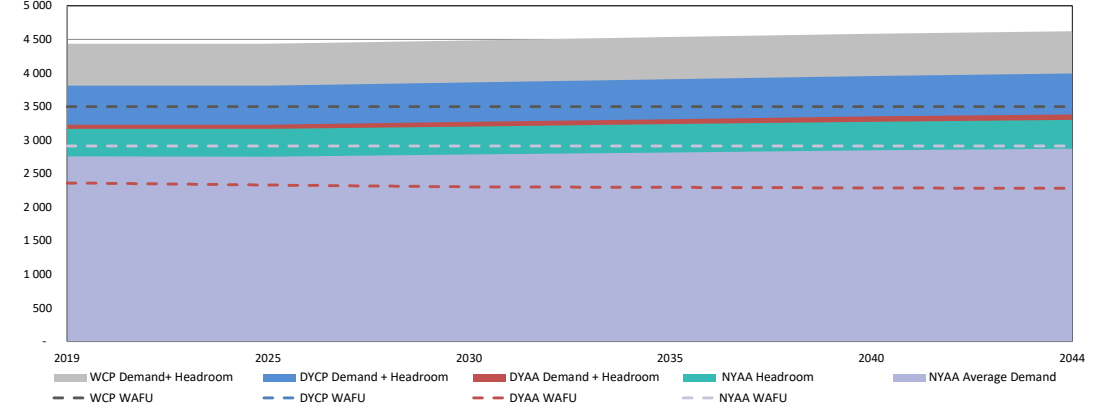
Base Demand in 2019	
Domestic Demand (m ³ /day)	996
Non-Domestic Demand (m ³ /day)	1 283
Operational Use (m ³ /day)	26
Apparent Losses (m ³ /day)	12
Leakage (m ³ /day)	439
Demand (m³/day)	2 757

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 757	413	3 170	3 229	3 810	4 438
2025	2 754	413	3 168	3 231	3 813	4 435
2030	2 785	418	3 203	3 271	3 860	4 484
2035	2 816	422	3 238	3 312	3 907	4 534
2040	2 847	427	3 274	3 352	3 954	4 584
2044	2 872	431	3 302	3 381	3 992	4 623

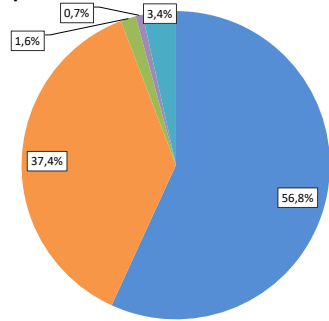
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000010	Bailieborough WTP	3 500	2 917	3 208	No Licence	2 470	Yield	2 285	-	2 285	
TOTAL		3 500	2 917	3 208	-	2 470		2 285	-	2 285	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 917	2 364	2 364	3 500	253	865	1 446	938	2 917	2 364	2 364	3 500
2025	2 917	2 332	2 332	3 500	251	899	1 480	935	2 917	2 332	2 332	3 500
2030	2 917	2 306	2 306	3 500	286	965	1 554	984	2 917	2 306	2 306	3 500
2035	2 917	2 298	2 298	3 500	322	1 014	1 609	1 034	2 917	2 298	2 298	3 500
2040	2 917	2 291	2 291	3 500	357	1 061	1 664	1 084	2 917	2 291	2 291	3 500
2044	2 917	2 285	2 285	3 500	386	1 096	1 707	1 123	2 917	2 285	2 285	3 500

WRZ CODE	0200SC0016	WRZ Name	Belturbet PWS	Study Area	B	Study Group		Local Authority	Cavan
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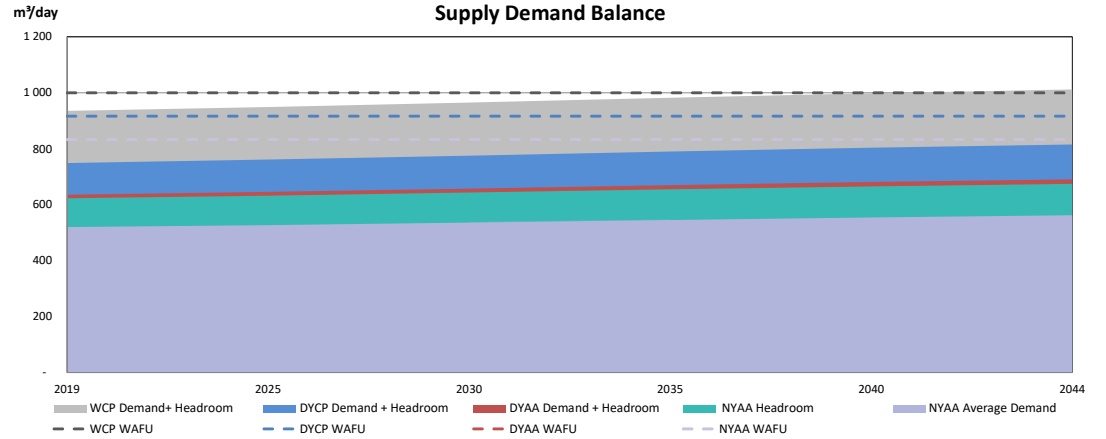
Base Demand in	2019
Domestic Demand (m ³ /day)	295
Non-Domestic Demand (m ³ /day)	194
Operational Use (m ³ /day)	8
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	18
Demand (m³/day)	519

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	519	104	623	635	749	935
2025	527	105	633	645	762	949
2030	536	107	644	657	776	965
2035	546	109	655	669	790	982
2040	555	111	666	681	804	998
2044	562	112	674	690	815	1 012

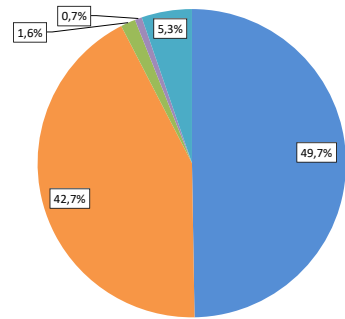
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000300	Belturbet WTP	1 000	833	917	No Licence	38 043	22Hr	917	-	917	
TOTAL		1 000	833	917	-	38 043		917	-	917	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	833	833	917	1 000	210	198	167	65
2025	833	833	917	1 000	201	188	155	51
2030	833	833	917	1 000	190	176	141	35
2035	833	833	917	1 000	179	164	127	18
2040	833	833	917	1 000	168	152	113	2
2044	833	833	917	1 000	159	143	102	12

WRZ CODE	0200SC0017	WRZ Name	Cootehill PWS	Study Area	B	Study Group		Local Authority	Cavan
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Base Demand in 2019	
Domestic Demand (m ³ /day)	284
Non-Domestic Demand (m ³ /day)	244
Operational Use (m ³ /day)	9
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	30
Demand (m³/day)	571

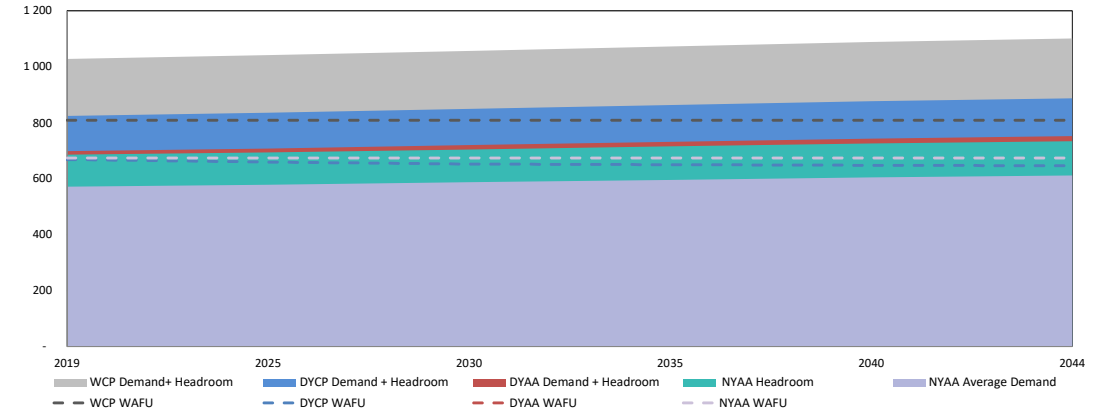
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	571	114	686	698	824	1 028
2025	578	116	694	708	836	1 041
2030	587	117	705	720	849	1 057
2035	596	119	715	731	863	1 073
2040	605	121	726	743	877	1 089
2044	612	122	734	752	888	1 101

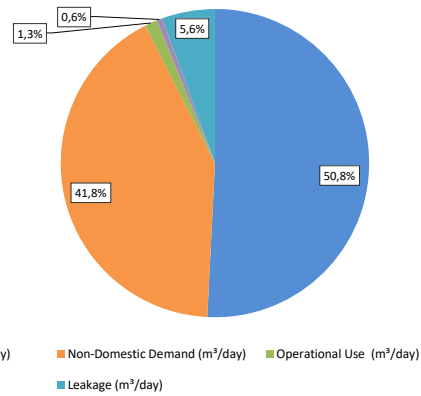
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001082	Kilawaun WTP	810	675	743	No Licence	699	Yield	647	-	647	
TOTAL		810	675	743	-	699		647	-	647	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WCP (m ³ /day)
2019	675	675	669	810	11	23	155	218	647	218
2025	675	675	660	810	19	33	175	231	647	231
2030	675	675	653	810	30	45	197	247	647	247
2035	675	675	650	810	40	56	213	263	647	263
2040	675	675	648	810	51	68	228	279	647	279
2044	675	675	647	810	59	77	241	291	647	291

WRZ CODE	0200SC0018	WRZ Name	Kingscourt PWS	Study Area	E	Study Group	Local Authority	Cavan
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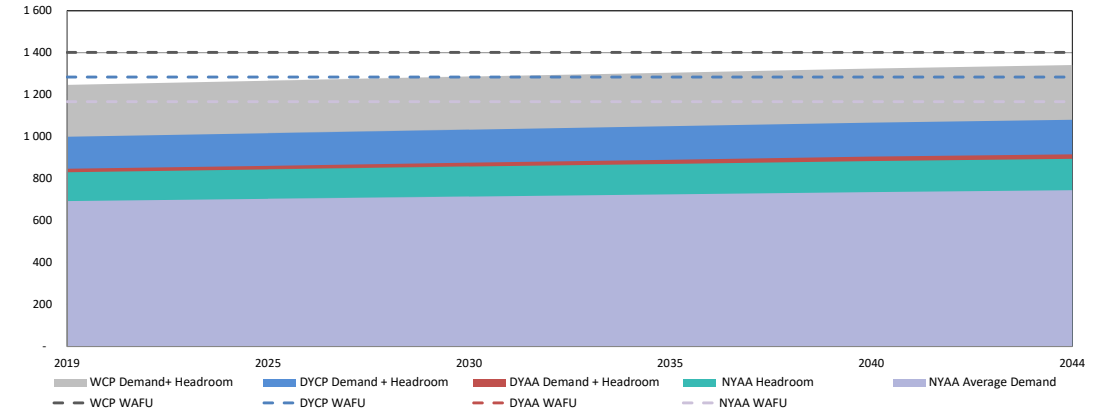
Base Demand in 2019	
Domestic Demand (m ³ /day)	352
Non-Domestic Demand (m ³ /day)	289
Operational Use (m ³ /day)	9
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	39
Demand (m³/day)	693

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	693	139	831	847	999	1247
2025	704	141	844	861	1016	1267
2030	715	143	857	876	1033	1286
2035	725	145	870	890	1050	1306
2040	736	147	884	905	1067	1325
2044	745	149	894	915	1081	1341

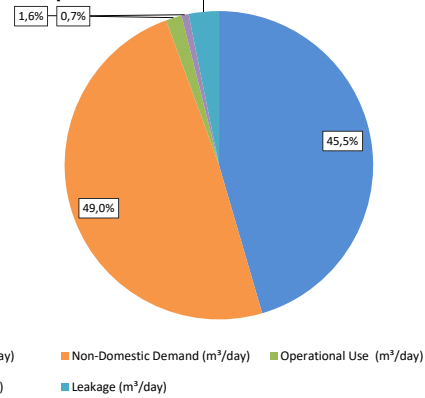
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000115	Lisanisky WTP	1 402	1 168	1 285	No Licence	1 743	22Hr	1 285	-	1 285	
TOTAL		1 402	1 168	1 285	-	1 743		1 285	-	1 285	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 168	1 168	1 285	1 402	337	321	286	155	
2025	1 168	1 168	1 285	1 402	324	307	269	135	
2030	1 168	1 168	1 285	1 402	311	293	252	116	
2035	1 168	1 168	1 285	1 402	298	278	235	96	
2040	1 168	1 168	1 285	1 402	285	264	218	77	
2044	1 168	1 168	1 285	1 402	274	253	204	61	

WRZ CODE	0200SC0019	WRZ Name	Swanlinbar PWS	Study Area	B	Study Group		Local Authority	Cavan
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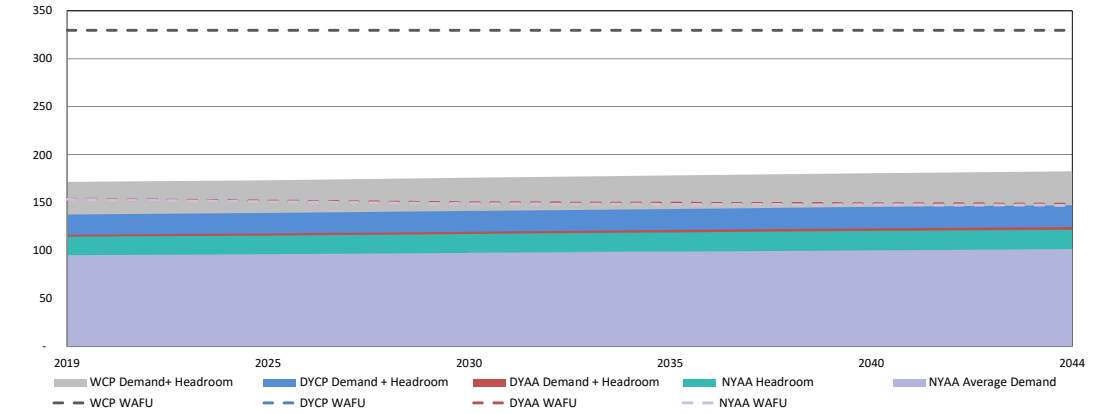
Base Demand in 2019	
Domestic Demand (m ³ /day)	43
Non-Domestic Demand (m ³ /day)	47
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	3
Demand (m³/day)	95

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	95	19	114	117	138	172
2025	96	19	116	118	139	173
2030	98	20	117	120	141	176
2035	99	20	119	122	143	178
2040	100	20	120	123	146	181
2044	101	20	122	125	147	183

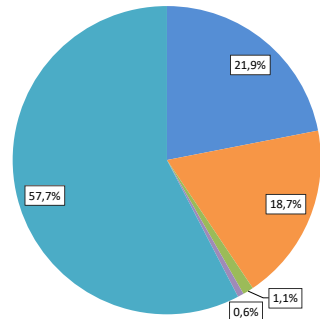
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000724	Swanlinbar WTP	330	275	303	No Licence	153	Yield	149	-	149	
TOTAL		330	275	303	-	153		149	-	149	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	154	154	154	330	39	37	16	158
2025	151	152	152	330	35	34	13	157
2030	149	150	150	330	32	30	9	154
2035	148	150	150	330	30	28	6	152
2040	148	149	149	330	27	26	4	149
2044	147	149	149	330	26	24	1	147

WRZ CODE	0300SC0001	WRZ Name	West Clare	Study Area	G	Study Group		Local Authority	Clare
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Base Demand in 2019	
Domestic Demand (m ³ /day)	545
Non-Domestic Demand (m ³ /day)	465
Operational Use (m ³ /day)	28
Apparent Losses (m ³ /day)	16
Leakage (m ³ /day)	1 434
Demand (m³/day)	2 487

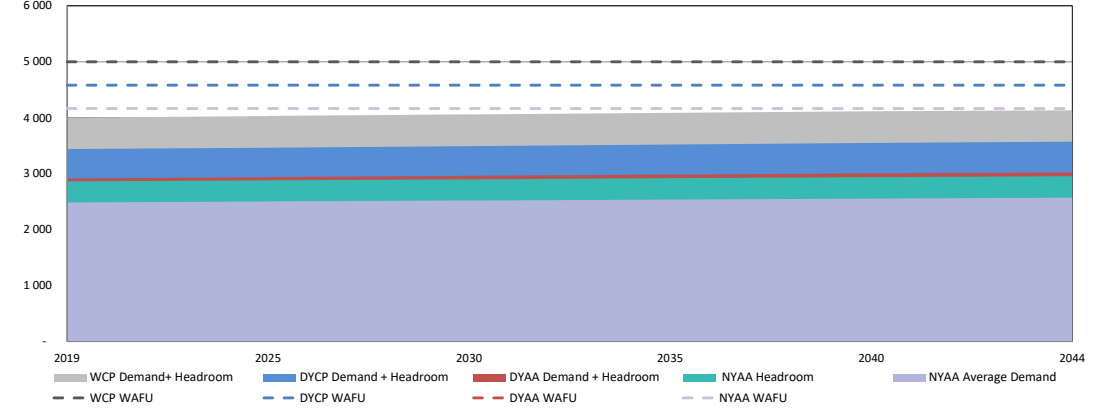
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 487	373	2 860	2 914	3 438	4 004
2025	2 504	376	2 880	2 938	3 466	4 032
2030	2 521	378	2 899	2 961	3 494	4 059
2035	2 538	381	2 919	2 985	3 522	4 086
2040	2 555	383	2 938	3 008	3 549	4 113
2044	2 568	385	2 954	3 024	3 570	4 135

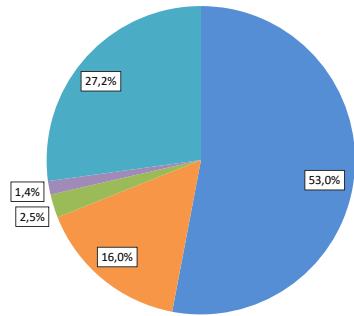
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000221	Old Doolough WTP	5 000	4 167	4 583	No Licence	29 679	22Hr	4 583	-	4 583	
TOTAL		5 000	4 167	4 583	-	29 679		4 583	-	4 583	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4 167	4 167	4 583	5 000	1 306	1 253	1 145	996
2025	4 167	4 167	4 583	5 000	1 287	1 229	1 117	968
2030	4 167	4 167	4 583	5 000	1 267	1 206	1 089	941
2035	4 167	4 167	4 583	5 000	1 248	1 182	1 062	914
2040	4 167	4 167	4 583	5 000	1 229	1 159	1 035	887
2044	4 167	4 167	4 583	5 000	1 213	1 143	1 013	865

WRZ CODE	0300SC003	WRZ Name	Corofin PWS	Study Area	G	Study Group	Local Authority	Clare
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Base Demand in 2019	
Domestic Demand (m ³ /day)	158
Non-Domestic Demand (m ³ /day)	47
Operational Use (m ³ /day)	7
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	81
Demand (m³/day)	297

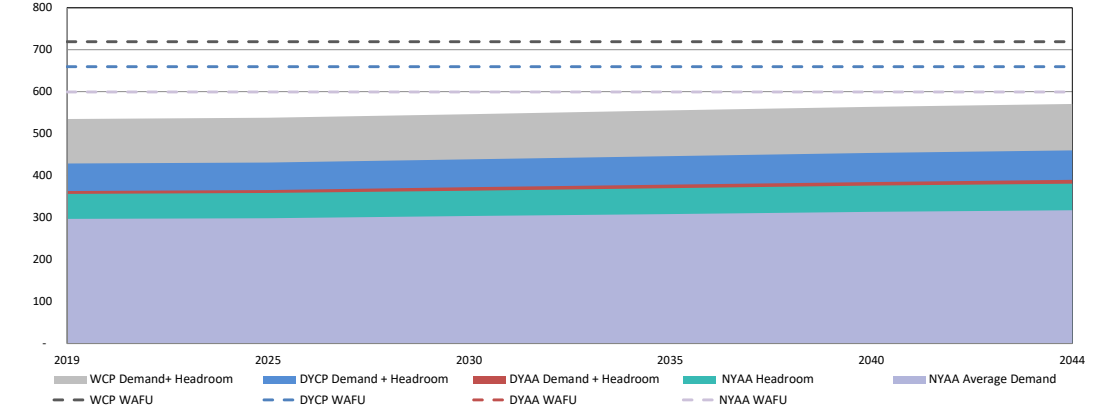
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	297	59	357	364	429	535
2025	299	60	359	366	432	538
2030	304	61	364	372	439	547
2035	309	62	370	379	447	555
2040	313	63	376	385	454	564
2044	317	63	381	390	460	571

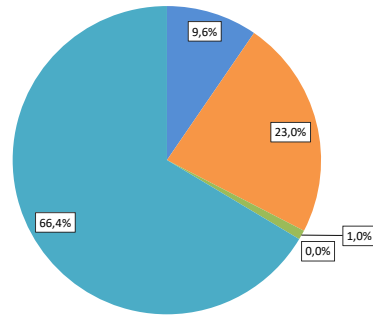
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000573	Corofin WTP	720	600	660	No Licence	27 365	22Hr	660	-	660	
TOTAL		720	600	660	-	27 365		660	-	660	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	600	600	660	720	243	236	231	185
2025	600	600	660	720	241	234	228	182
2030	600	600	660	720	236	228	221	173
2035	600	600	660	720	230	221	213	165
2040	600	600	660	720	224	215	206	156
2044	600	600	660	720	219	210	200	149

WRZ CODE	0300SC0004	WRZ Name	Carron PWS	Study Area	G	Study Group	Local Authority	Clare
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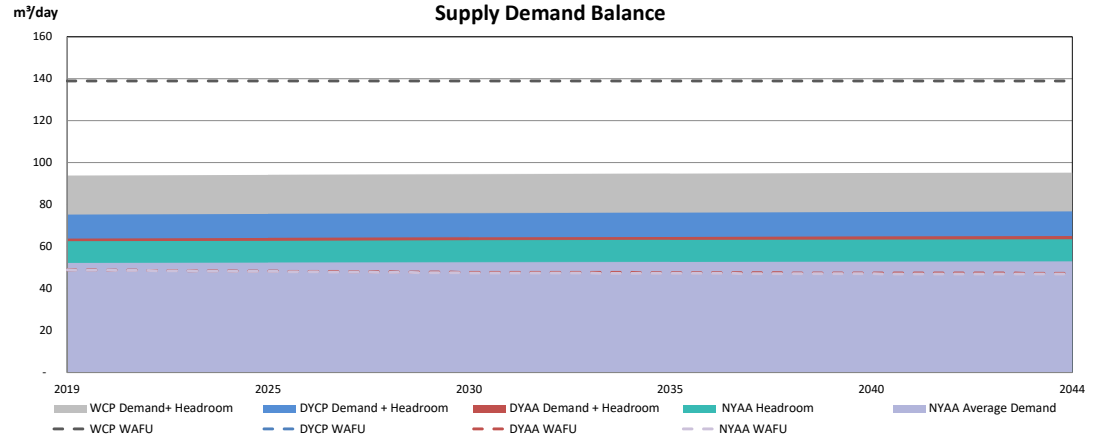
Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	12
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	35
Demand (m³/day)	52

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	52	10	63	64	75	94
2025	52	10	63	64	76	94
2030	53	11	63	64	76	95
2035	53	11	63	65	76	95
2040	53	11	63	65	77	95
2044	53	11	64	65	77	95

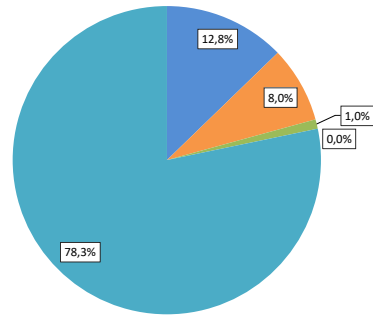
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000490	Carron (Termon Spring) WTP	139	116	127	No Licence	48	Yield	47	-	47	Significant Reduction
TOTAL		139	116	127	-	48		47	-	47	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	49	49	49	139	14	15	26	45	49	49	49	139
2025	48	48	48	139	15	16	27	45	48	48	48	139
2030	48	48	48	139	15	17	28	44	48	48	48	139
2035	47	48	48	139	16	17	29	44	47	48	48	139
2040	47	48	48	139	16	17	29	44	47	48	48	139
2044	47	47	47	139	17	18	29	44	47	47	47	139

WRZ CODE	0300SC0005	WRZ Name	Kilkeedy PWS	Study Area	G	Study Group	Local Authority	Clare
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Base Demand in 2019	
Domestic Demand (m ³ /day)	8
Non-Domestic Demand (m ³ /day)	5
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	49
Demand (m³/day)	63

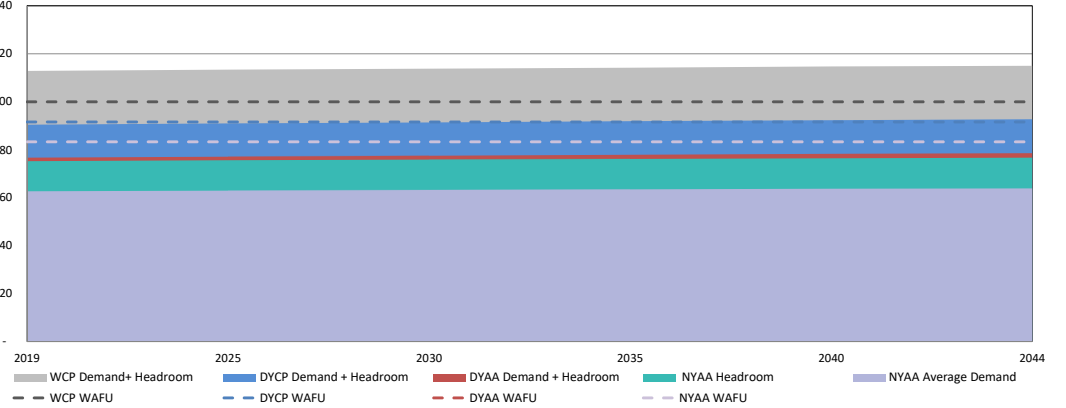
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	63	13	75	77	90	113
2025	63	13	76	77	91	113
2030	63	13	76	77	91	114
2035	63	13	76	78	92	114
2040	64	13	76	78	92	115
2044	64	13	77	79	93	115

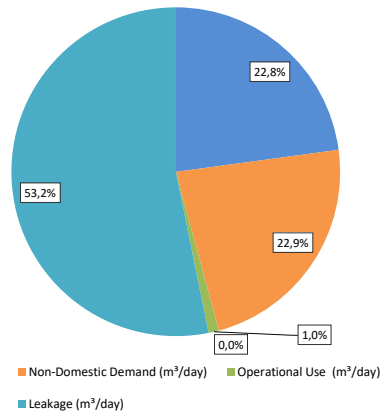
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001100	Kilkeedy WTP	100	83	92	No Licence	96	22Hr	92	-	92	
TOTAL		100	83	92	-	96		92	-	92	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	83	83	92	100	8	7	1	13
2025	83	83	92	100	8	6	1	13
2030	83	83	92	100	7	6	0	14
2035	83	83	92	100	7	5	0	14
2040	83	83	92	100	7	5	1	15
2044	83	83	92	100	7	5	1	15

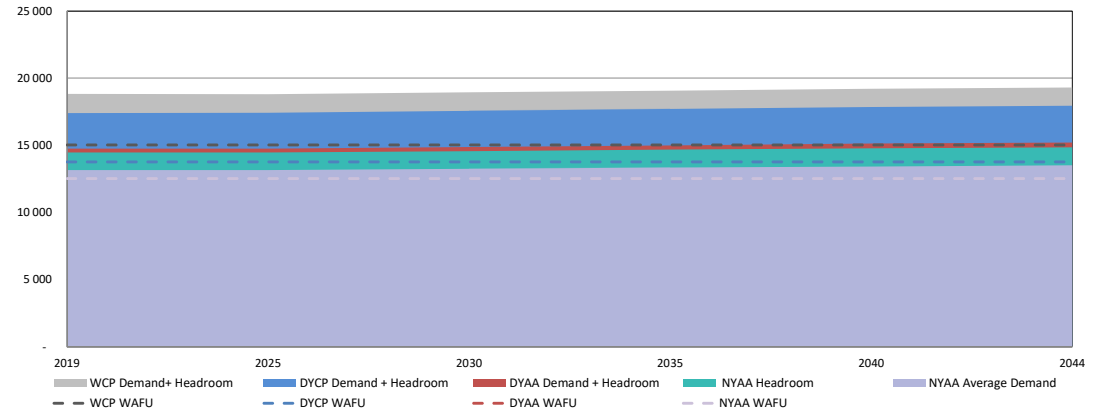
WRZ CODE	0300SC0006	WRZ Name	Ennis / Shannon/Sixmilebridge	Study Area	8	Study Group		Local Authority	Clare
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Base Demand in 2019	
Domestic Demand (m³/day)	3 009
Non-Domestic Demand (m³/day)	3 021
Operational Use (m³/day)	132
Apparent Losses (m³/day)	-
Leakage (m³/day)	7 008
Demand (m³/day)	13 170

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	13 170	1 317	14 487	14 758	17 414	18 833
2025	13 162	1 316	14 478	14 769	17 427	18 821
2030	13 255	1 326	14 581	14 892	17 571	18 955
2035	13 348	1 335	14 683	15 014	17 716	19 088
2040	13 442	1 344	14 786	15 138	17 858	19 221
2044	13 516	1 352	14 868	15 222	17 972	19 328

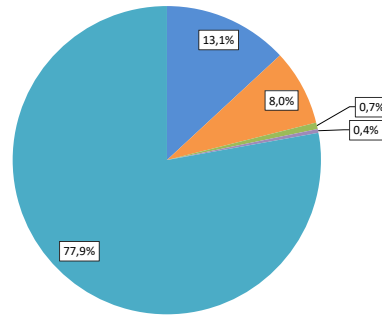
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000636	Crean WTP	800	667	733	No Licence	766	22Hr	733	-	733	Issue Capacity / Yield (Unknown)
WTP0000555	Castle Lake WTP	15 000	12 500	13 750	No Licence	22 908	22Hr	13 750	688	13 063	Issue Capacity / Yield (Unknown)
TOTAL		15 800	13 167	14 483	-	23 674		14 483	-	688	13 796

Year	WAFU					Supply Demand Balance					
	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)
2019	12 542	12 542	13 796	15 050	1 945	2 216	3 618	3 783	12 542	12 542	13 796
2025	12 542	12 542	13 796	15 050	1 936	2 228	3 631	3 771	12 542	12 542	13 796
2030	12 542	12 542	13 796	15 050	2 039	2 350	3 775	3 905	12 542	12 542	13 796
2035	12 542	12 542	13 796	15 050	2 141	2 473	3 920	4 038	12 542	12 542	13 796
2040	12 542	12 542	13 796	15 050	2 244	2 596	4 062	4 171	12 542	12 542	13 796
2044	12 542	12 542	13 796	15 050	2 326	2 680	4 176	4 278	12 542	12 542	13 796

WRZ CODE	0300SC0013	WRZ Name	Killadysert PWS	Study Area	G	Study Group		Local Authority	Clare
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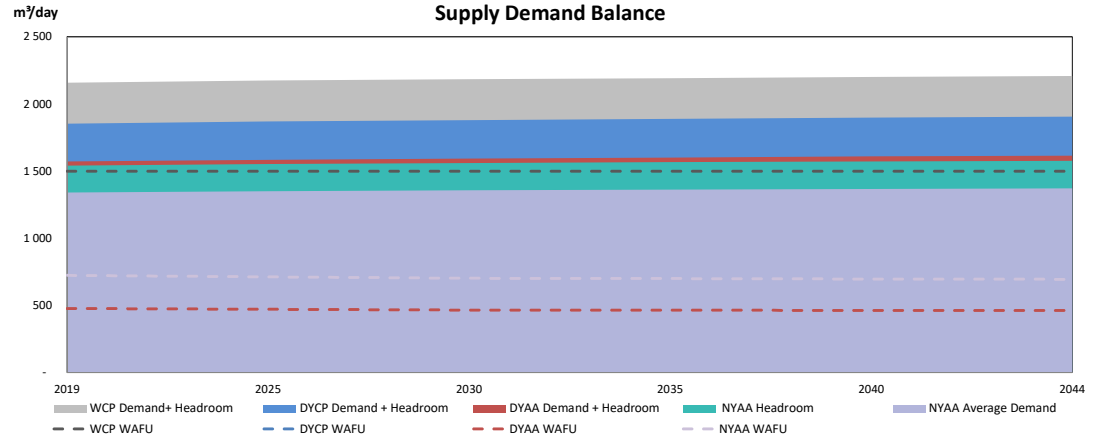
Base Demand in 2019	
Domestic Demand (m ³ /day)	176
Non-Domestic Demand (m ³ /day)	107
Operational Use (m ³ /day)	9
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	1 044
Demand (m³/day)	1 341

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 341	201	1 542	1 571	1 853	2 159
2025	1 351	203	1 554	1 585	1 870	2 175
2030	1 356	203	1 560	1 593	1 880	2 184
2035	1 362	204	1 566	1 602	1 890	2 193
2040	1 367	205	1 572	1 610	1 899	2 201
2044	1 372	206	1 578	1 615	1 907	2 209

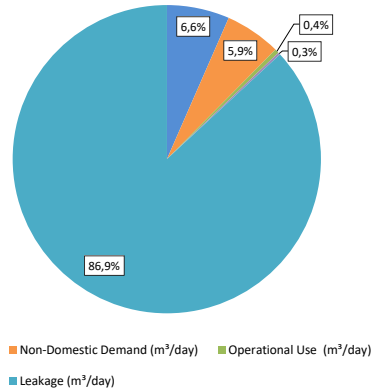
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001104	Killadysert WTP	1 500	1 250	1 375	No Licence	500	Yield	462	-	462	
TOTAL		1 500	1 250	1 375	-	500		462	-	462	

Year	WAFU					Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WAFU (m ³ /day)
2019	725	478	478	1 500	817	1 092	1 375	659		
2025	713	472	472	1 500	841	1 113	1 398	675		
2030	703	467	467	1 500	857	1 127	1 413	684		
2035	700	465	465	1 500	866	1 137	1 425	693		
2040	698	464	464	1 500	875	1 146	1 436	701		
2044	696	462	462	1 500	882	1 153	1 444	709		

WRZ CODE	0300SC0014	WRZ Name	Flagmount PWS	Study Area	8	Study Group		Local Authority	Clare
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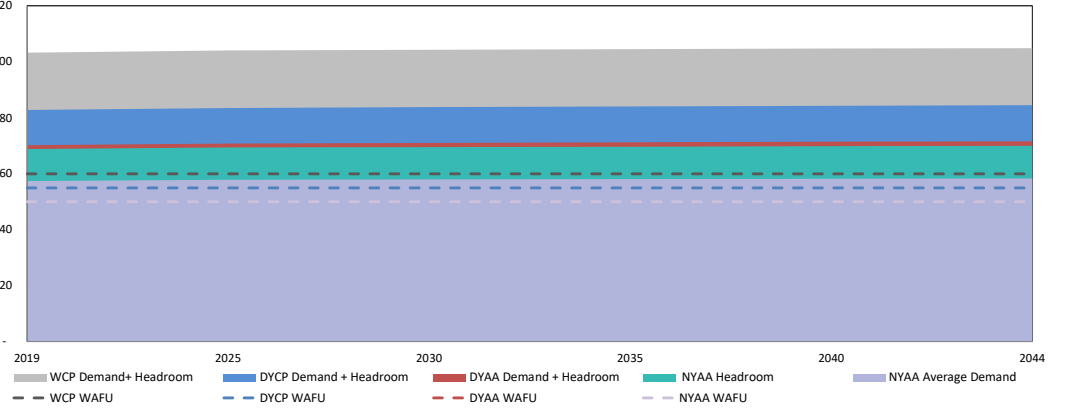
Base Demand in 2019	
Domestic Demand (m ³ /day)	4
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	50
Demand (m³/day)	57

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	57	11	69	70	83	103
2025	58	12	69	71	84	104
2030	58	12	70	71	84	104
2035	58	12	70	71	84	104
2040	58	12	70	71	84	105
2044	58	12	70	72	85	105

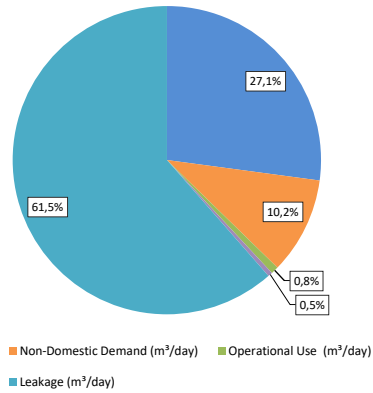
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000400	Flagmount WTP	60	50	55	No Licence	57	22Hr	55	-	55	
TOTAL		60	50	55	-	57		55	-	55	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	50	50	55	60	19	20	28	43
2025	50	50	55	60	19	21	29	44
2030	50	50	55	60	20	21	29	44
2035	50	50	55	60	20	21	29	44
2040	50	50	55	60	20	21	29	45
2044	50	50	55	60	20	22	30	45

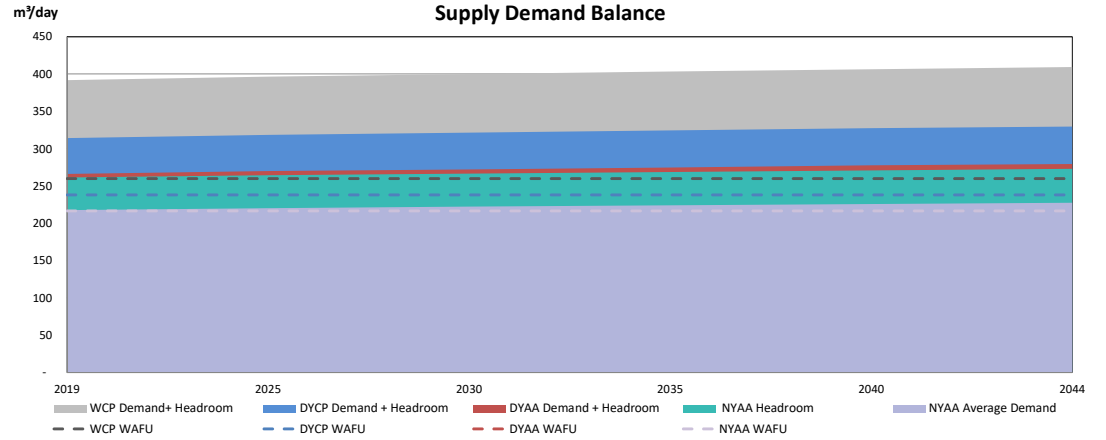
WRZ CODE	0300SC0015	WRZ Name	Feakle PWS	Study Area	8	Study Group		Local Authority	Clare
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Base Demand in 2019	
Domestic Demand (m ³ /day)	59
Non-Domestic Demand (m ³ /day)	22
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	134
Demand (m³/day)	218

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	218	44	261	266	314	392
2025	220	44	265	270	318	397
2030	222	44	267	272	321	400
2035	224	45	269	275	324	403
2040	226	45	271	278	327	407
2044	227	45	273	279	330	409

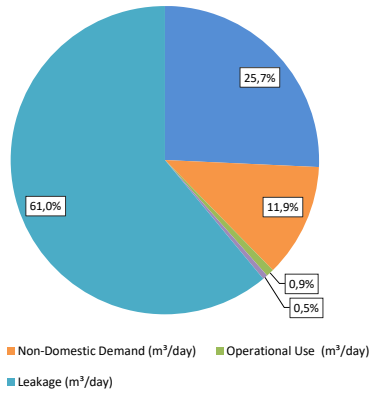
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000293	Baurageaun WTP	260	217	238	No Licence	249	22Hr	238	-	238	
TOTAL		260	217	238	-	249		238	-	238	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	217	217	238	260	45	50	76	132	217	217	238	260
2025	217	217	238	260	48	53	80	137	217	217	238	260
2030	217	217	238	260	50	56	83	140	217	217	238	260
2035	217	217	238	260	52	58	86	143	217	217	238	260
2040	217	217	238	260	54	61	89	147	217	217	238	260
2044	217	217	238	260	56	63	92	149	217	217	238	260

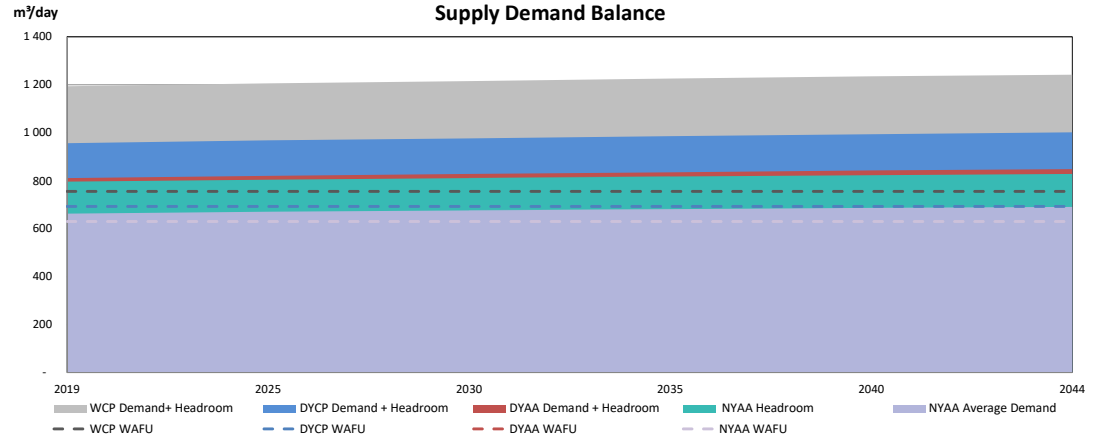
WRZ CODE	0300SC0016	WRZ Name	Scarriff PWS	Study Area	8	Study Group		Local Authority	Clare
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Base Demand in 2019	
Domestic Demand (m ³ /day)	170
Non-Domestic Demand (m ³ /day)	79
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	405
Demand (m³/day)	663

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	663	133	796	811	956	1 194
2025	670	134	804	820	968	1 206
2030	676	135	811	828	977	1 216
2035	681	136	817	835	986	1 225
2040	686	137	823	843	994	1 235
2044	690	138	828	848	1 001	1 243

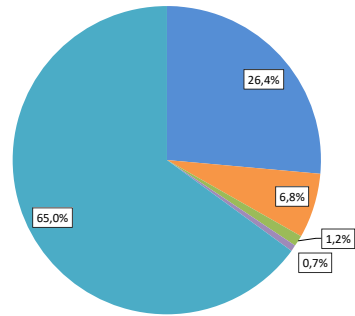
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000747	Scarriff WTP	756	630	693	No Licence	724	22Hr	693	-	693	
TOTAL		756	630	693	-	724		693	-	693	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	630	630	693	756	166	181	263	438	438	438
2025	630	630	693	756	174	190	275	450	450	450
2030	630	630	693	756	181	198	284	460	460	460
2035	630	630	693	756	187	205	293	469	469	469
2040	630	630	693	756	193	213	301	479	479	479
2044	630	630	693	756	198	218	308	487	487	487

WRZ CODE	0300SC0017	WRZ Name	Mountshannon PWS	Study Area	8	Study Group		Local Authority	Clare
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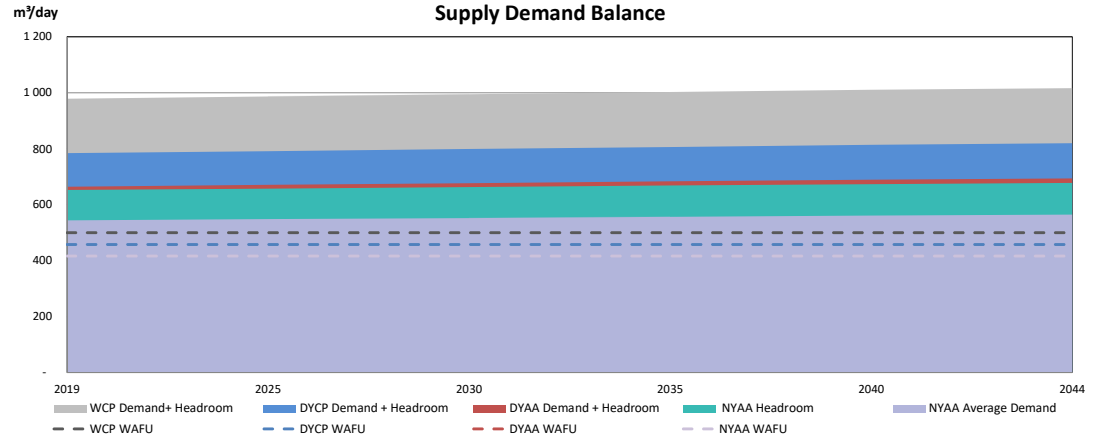
Base Demand in	2019
Domestic Demand (m ³ /day)	144
Non-Domestic Demand (m ³ /day)	37
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	353
Demand (m³/day)	544

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	544	109	652	665	784	979
2025	548	110	658	671	792	986
2030	552	110	663	677	799	994
2035	557	111	668	683	806	1 002
2040	561	112	674	690	814	1 010
2044	565	113	678	694	819	1 017

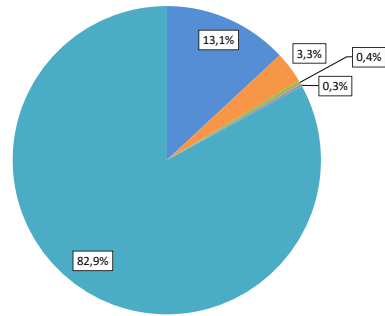
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000540	Cloonmirran WTP	500	417	458	No Licence	479	22Hr	458	-	458	Significant Reduction
TOTAL		500	417	458	-	479		458	-	458	

Year	WAFU					Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	
2019	417	417	458	500	-	236	-	248	-	326	-	479
2025	417	417	458	500	-	241	-	254	-	333	-	486
2030	417	417	458	500	-	246	-	260	-	341	-	494
2035	417	417	458	500	-	252	-	267	-	348	-	502
2040	417	417	458	500	-	257	-	273	-	355	-	510
2044	417	417	458	500	-	261	-	277	-	361	-	517

WRZ CODE	0300SC0019	WRZ Name	Obriens Bridge PWS	Study Area	8	Study Group		Local Authority	Clare
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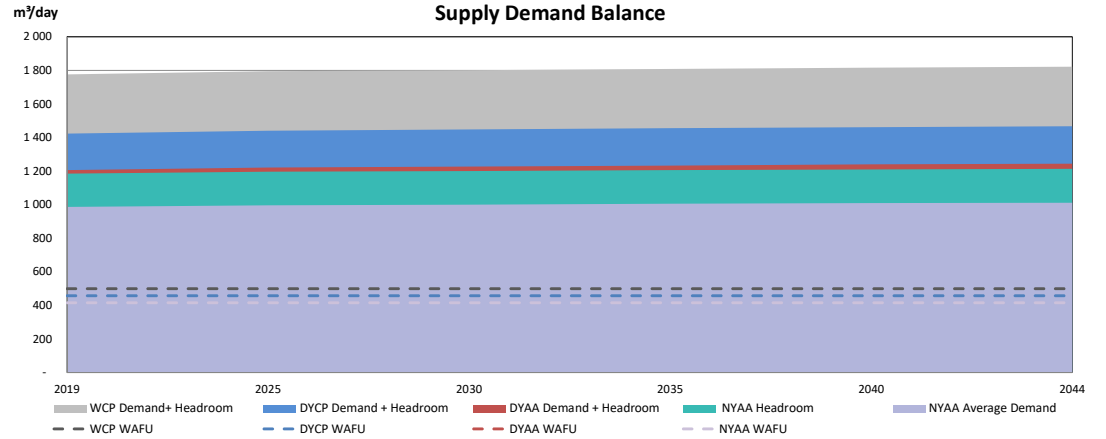
Base Demand in 2019	
Domestic Demand (m ³ /day)	129
Non-Domestic Demand (m ³ /day)	32
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	819
Demand (m³/day)	987

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	987	197	1184	1207	1424	1777
2025	997	199	1196	1220	1440	1794
2030	1001	200	1201	1227	1447	1802
2035	1005	201	1206	1233	1455	1809
2040	1009	202	1211	1240	1462	1816
2044	1012	202	1215	1244	1468	1822

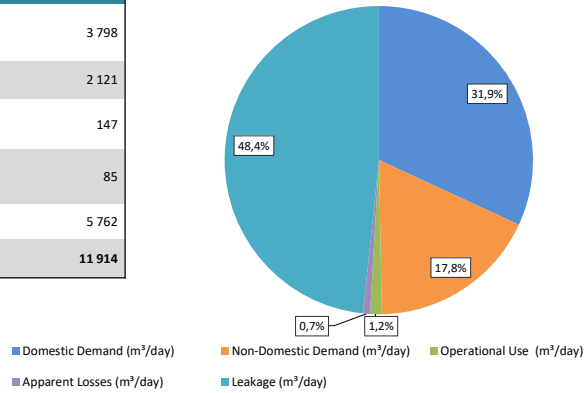
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000187	Montpellier (Ardataggle) WTP	500	417	458	No Licence	479	22Hr	458	-	458	
TOTAL		500	417	458	-	479		458	-	458	

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	417	417	458	500	768	790	965	1277
2025	417	417	458	500	780	804	982	1294
2030	417	417	458	500	784	810	989	1302
2035	417	417	458	500	789	816	997	1309
2040	417	417	458	500	794	823	1004	1316
2044	417	417	458	500	798	827	1010	1322

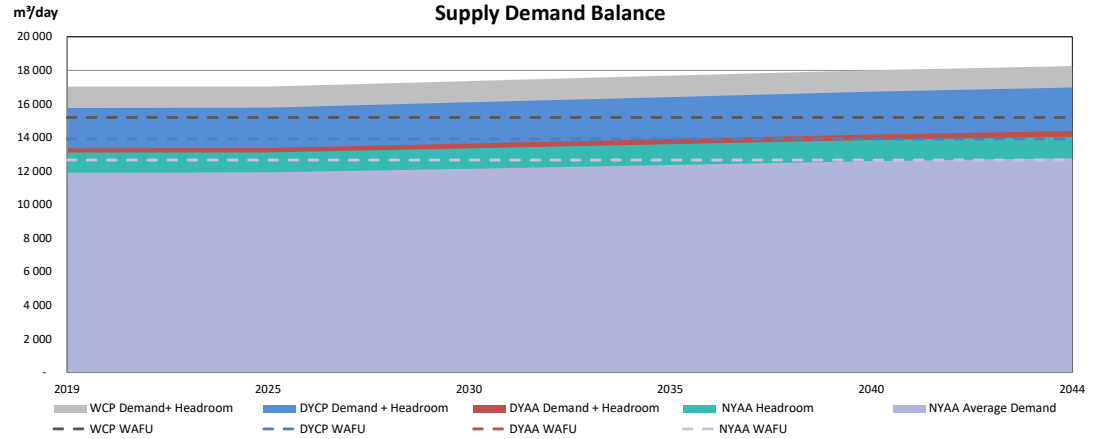
WRZ CODE	0300SC0020	WRZ Name	Ennis	Study Area	8	Study Group		Local Authority	Clare
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Base Demand in 2019	
Domestic Demand (m ³ /day)	3 798
Non-Domestic Demand (m ³ /day)	2 121
Operational Use (m ³ /day)	147
Apparent Losses (m ³ /day)	85
Leakage (m ³ /day)	5 762
Demand (m³/day)	11 914

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	11 914	1 191	13 105	13 351	15 753	17 037
2025	11 920	1 192	13 112	13 376	15 783	17 046
2030	12 145	1 214	13 359	13 644	16 099	17 367
2035	12 369	1 237	13 606	13 913	16 417	17 688
2040	12 594	1 259	13 854	14 183	16 732	18 010
2044	12 774	1 277	14 051	14 386	16 985	18 267

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000415	Drumcliffe WTP	16 000	13 333	14 667	No Licence	17 528	22Hr	14 667	733	13 933	Critical - Low Flow Intervention
TOTAL		16 000	13 333	14 667	-	17 528		14 667	733	13 933	

WAFU

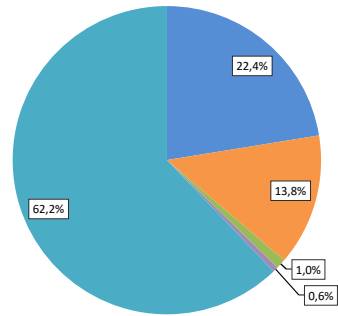
Supply Demand Balance

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	12 667	12 667	13 933	15 200	438	684	1 819	1 837	1 837
2025	12 667	12 667	13 933	15 200	445	709	1 850	1 846	1 846
2030	12 667	12 667	13 933	15 200	693	978	2 166	2 167	2 167
2035	12 667	12 667	13 933	15 200	940	1 247	2 483	2 488	2 488
2040	12 667	12 667	13 933	15 200	1 187	1 517	2 799	2 810	2 810
2044	12 667	12 667	13 933	15 200	1 385	1 719	3 051	3 067	3 067

WRZ CODE	0300SC0021	WRZ Name	Ennistymon	Study Area	G	Study Group	Local Authority	Clare
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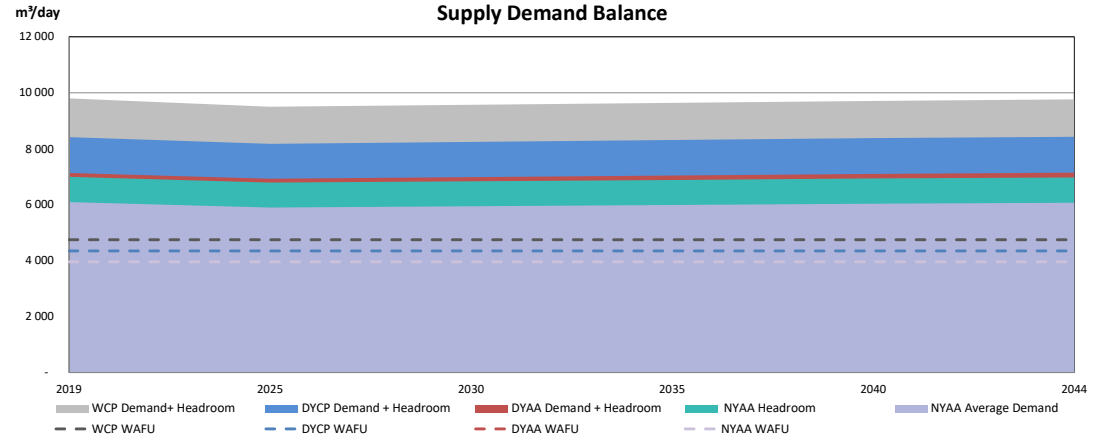
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 366
Non-Domestic Demand (m ³ /day)	841
Operational Use (m ³ /day)	60
Apparent Losses (m ³ /day)	35
Leakage (m ³ /day)	3 784
Demand (m³/day)	6 087

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	6 087	913	7 000	7 131	8 414	9 800
2025	5 903	885	6 789	6 925	8 172	9 504
2030	5 946	892	6 837	6 983	8 240	9 572
2035	5 988	898	6 886	7 041	8 308	9 641
2040	6 030	905	6 935	7 100	8 376	9 709
2044	6 064	910	6 974	7 140	8 430	9 763

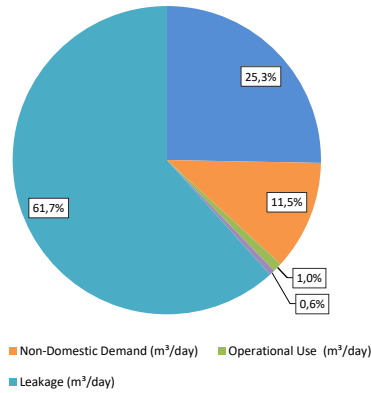
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000011	Ballymacraven WTP	4 750	3 958	4 354	No Licence	4 646	22Hr	4 354	-	4 354	Issue Capacity / Yield (Unknown)
TOTAL		4 750	3 958	4 354	-	4 646		4 354	-	4 354	

Year	WAFU					Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	
2019	3 958	3 958	4 354	4 750	-	3 041	-	3 173	-	4 060	-	5 050
2025	3 958	3 958	4 354	4 750	-	2 830	-	2 967	-	3 817	-	4 754
2030	3 958	3 958	4 354	4 750	-	2 879	-	3 025	-	3 886	-	4 822
2035	3 958	3 958	4 354	4 750	-	2 928	-	3 083	-	3 954	-	4 891
2040	3 958	3 958	4 354	4 750	-	2 976	-	3 142	-	4 022	-	4 959
2044	3 958	3 958	4 354	4 750	-	3 015	-	3 181	-	4 075	-	5 013

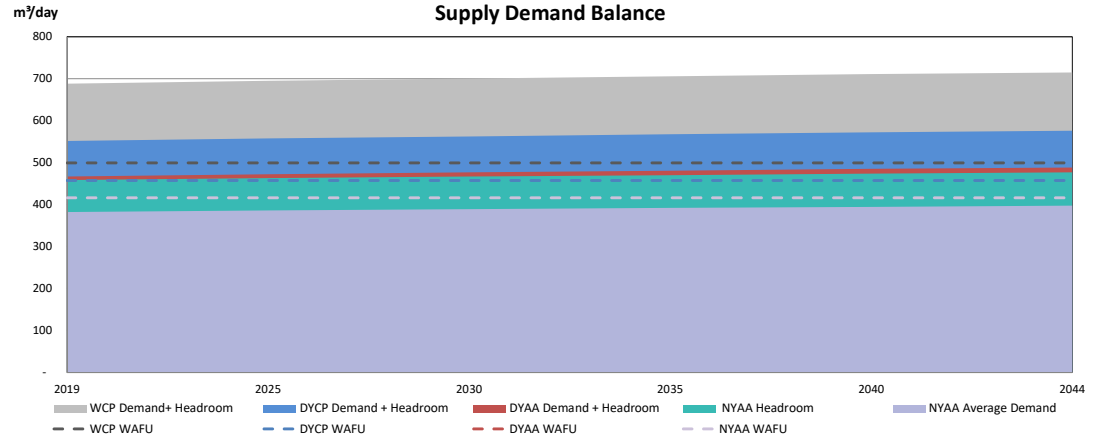
WRZ CODE	0300SC0022	WRZ Name	Turlough	Study Area	G	Study Group	Local Authority	Clare
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Base Demand in 2019	
Domestic Demand (m ³ /day)	97
Non-Domestic Demand (m ³ /day)	44
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	236
Demand (m³/day)	382

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	382	76	459	468	552	688
2025	386	77	463	473	558	695
2030	389	78	467	477	563	700
2035	392	78	470	481	568	706
2040	395	79	474	485	573	711
2044	397	79	477	488	577	715

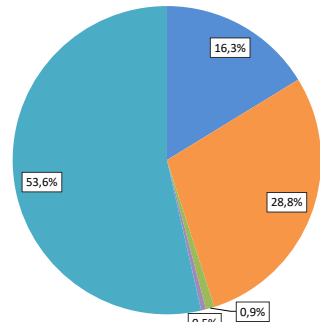
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001196	Turlough WTP	500	417	458	No Licence	479	22Hr	458	-	458	Significant Reduction
TOTAL		500	417	458	-	479		458	-	458	

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	
2019	417	417	417	458	500	-	42	-	51	-	188
2025	417	417	417	458	500	-	47	-	56	-	195
2030	417	417	417	458	500	-	50	-	60	-	200
2035	417	417	417	458	500	-	54	-	64	-	206
2040	417	417	417	458	500	-	57	-	69	-	211
2044	417	417	417	458	500	-	60	-	72	-	215

WRZ CODE	0300SC0023	WRZ Name	West Clare	Study Area	G	Study Group		Local Authority	Clare
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Base Demand in	2019
Domestic Demand (m ³ /day)	1 757
Non-Domestic Demand (m ³ /day)	3 106
Operational Use (m ³ /day)	95
Apparent Losses (m ³ /day)	55
Leakage (m ³ /day)	5 790
Demand (m³/day)	10 802

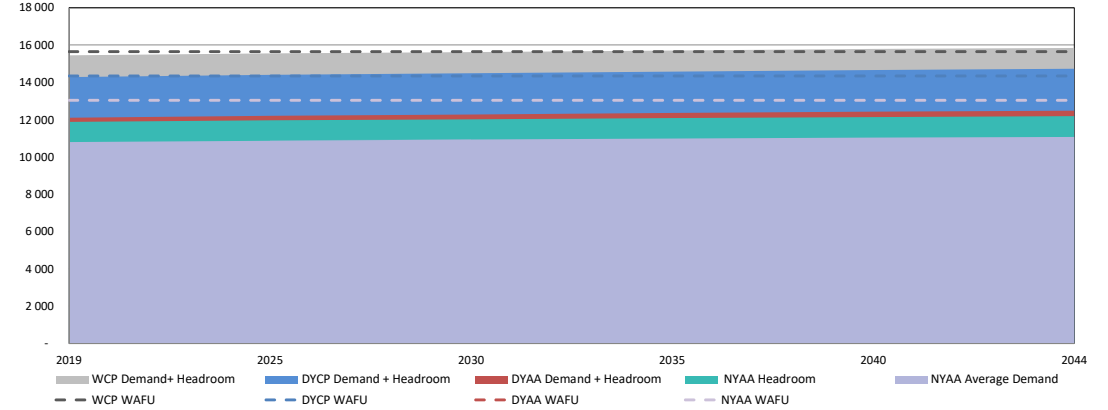
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10 802	1 080	11 882	12 105	14 283	15 447
2025	10 879	1 088	11 967	12 208	14 404	15 557
2030	10 933	1 093	12 027	12 283	14 493	15 634
2035	10 988	1 099	12 086	12 359	14 583	15 712
2040	11 042	1 104	12 146	12 436	14 670	15 790
2044	11 086	1 109	12 194	12 485	14 740	15 852

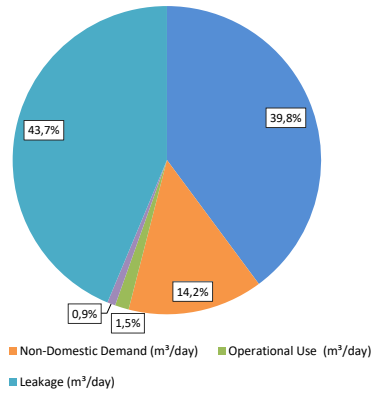
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000262	New Doolough WTP	16 480	13 733	15 107	40 000	29 679	22Hr	15 107	-	755	14 351
TOTAL		16 480	13 733	15 107	40 000	29 679		15 107	-	755	14 351

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	13 047	13 047	14 351	15 656	1 164	942	68	209	
2025	13 047	13 047	14 351	15 656	1 080	839	53	99	
2030	13 047	13 047	14 351	15 656	1 020	764	142	22	
2035	13 047	13 047	14 351	15 656	960	688	232	56	
2040	13 047	13 047	14 351	15 656	900	611	319	134	
2044	13 047	13 047	14 351	15 656	852	562	389	196	

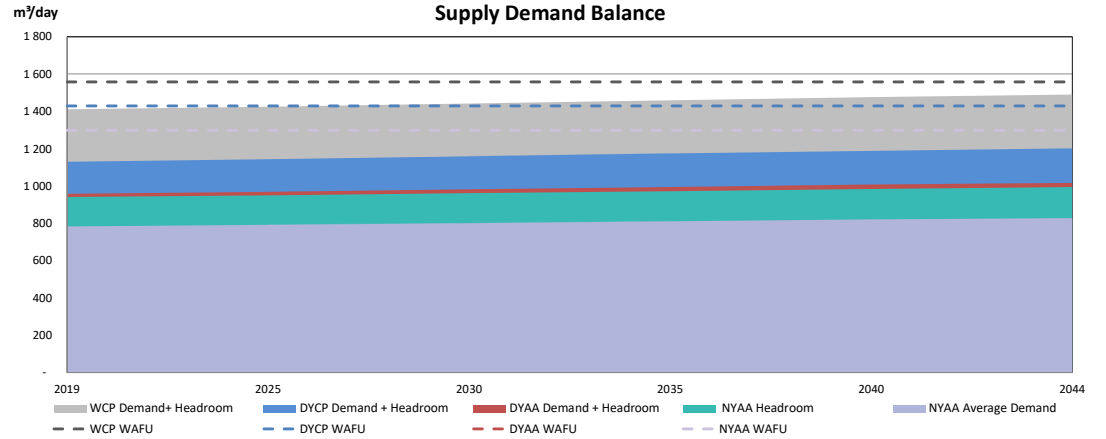
WRZ CODE	0300SC0024	WRZ Name	Killaloe	Study Area	8	Study Group		Local Authority	Clare
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Base Demand in 2019	
Domestic Demand (m ³ /day)	312
Non-Domestic Demand (m ³ /day)	111
Operational Use (m ³ /day)	12
Apparent Losses (m ³ /day)	7
Leakage (m ³ /day)	342
Demand (m³/day)	784

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	784	157	940	958	1 131	1 411
2025	792	158	950	969	1 143	1 425
2030	801	160	961	982	1 159	1 442
2035	811	162	973	995	1 174	1 460
2040	821	164	985	1 008	1 189	1 477
2044	828	166	994	1 018	1 201	1 491

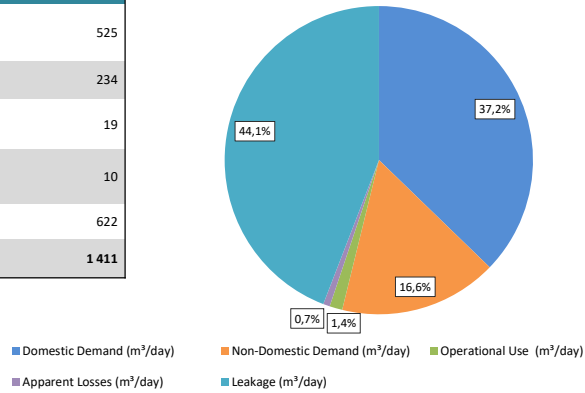
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000641	Creeveroe WTP	1 560	1 300	1 430	No Licence	1 494	22Hr	1 430	-	1 430	
TOTAL		1 560	1 300	1 430	-	1 494		1 430	-	1 430	

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	Leakage	Operational Use
2019	1 300	1 300	1 430	1 560	360	342	299	149	157	342	12
2025	1 300	1 300	1 430	1 560	350	331	287	135	158	331	11
2030	1 300	1 300	1 430	1 560	339	318	271	118	160	318	10
2035	1 300	1 300	1 430	1 560	327	305	256	100	162	305	9
2040	1 300	1 300	1 430	1 560	315	292	241	83	164	292	8
2044	1 300	1 300	1 430	1 560	306	282	229	69	166	282	7

WRZ CODE	0500SC0002	WRZ Name	Conna Regional	Study Area	J	Study Group		Local Authority	Cork
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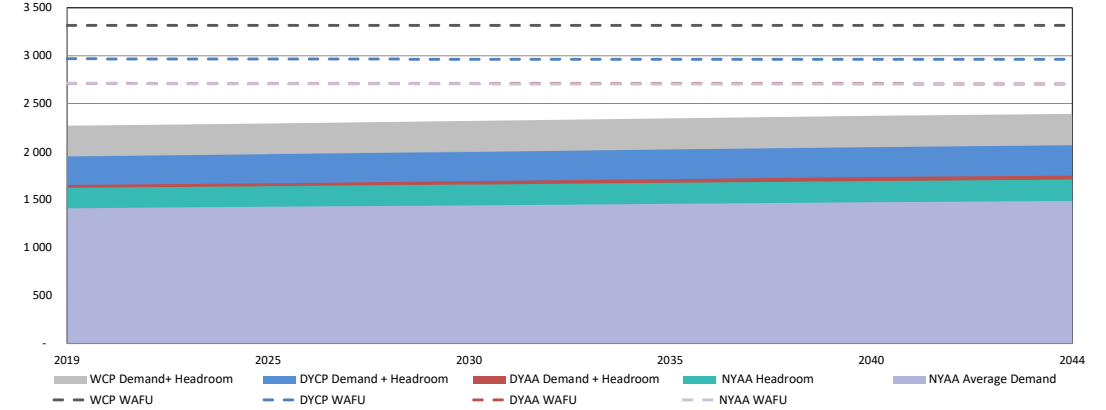
Base Demand in 2019	
Domestic Demand (m ³ /day)	525
Non-Domestic Demand (m ³ /day)	234
Operational Use (m ³ /day)	19
Apparent Losses (m ³ /day)	10
Leakage (m ³ /day)	622
Demand (m³/day)	1 411

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 411	212	1 622	1 653	1 950	2 271
2025	1 425	214	1 639	1 672	1 973	2 294
2030	1 441	216	1 657	1 693	1 997	2 320
2035	1 457	219	1 676	1 714	2 022	2 347
2040	1 474	221	1 695	1 735	2 047	2 373
2044	1 487	223	1 710	1 751	2 067	2 394

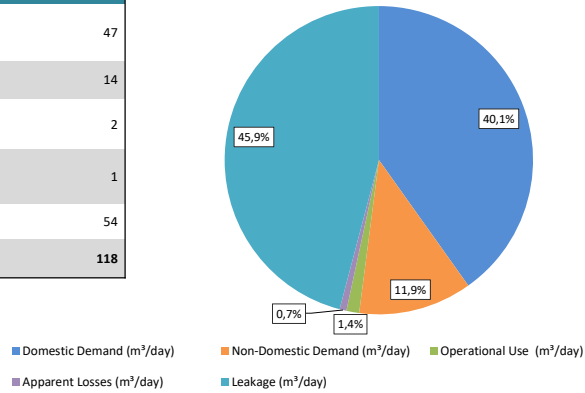
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001043	Kilclare WTP	10	8	9	No Licence	10	22Hr	9	-	9	
WTP1000012	Glenville WTP	240	200	220	No Licence	144	Yield	142	-	142	
WTP1000071	Conna Village WTP	270	225	248	No Licence	259	22Hr	248	-	248	
WTP0000548	Conna Regional WTP	2 800	2 333	2 567	No Licence	14 109	22Hr	2 567	-	2 567	
TOTAL		3 320	2 767	3 043	-	14 521		2 966	-	2 966	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	2 714	2 714	2 971	3 320	1 091	1 061	1 020	1 049	
2025	2 711	2 712	2 969	3 320	1 073	1 040	996	1 026	
2030	2 709	2 710	2 967	3 320	1 052	1 017	970	1 000	
2035	2 709	2 710	2 966	3 320	1 033	996	944	973	
2040	2 708	2 709	2 966	3 320	1 013	974	919	947	
2044	2 708	2 709	2 966	3 320	998	958	899	926	

WRZ CODE	0500SC0004	WRZ Name	Ballynoe	Study Area	J	Study Group		Local Authority	Cork
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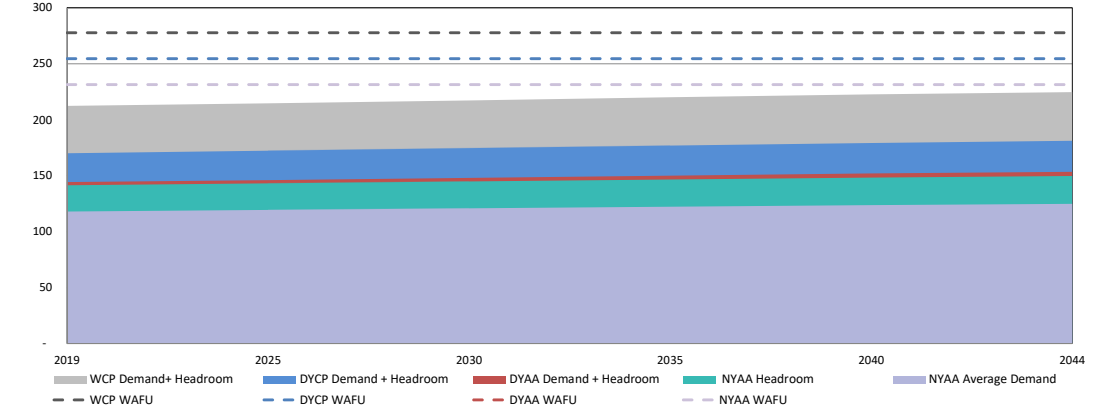
Base Demand in 2019	
Domestic Demand (m ³ /day)	47
Non-Domestic Demand (m ³ /day)	14
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	54
Demand (m³/day)	118

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	118	24	142	144	170	212
2025	119	24	143	146	172	215
2030	121	24	145	148	175	217
2035	122	24	147	150	177	220
2040	124	25	148	152	179	223
2044	125	25	150	153	181	225

Water Available for Use in 2044 DYCP

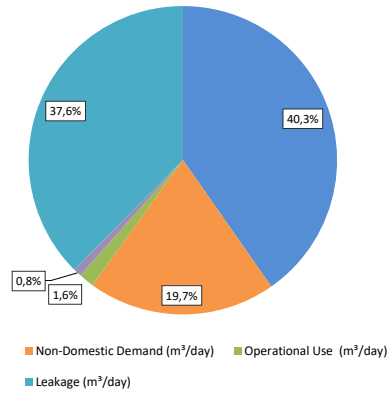
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000017	Booldurragh WTP	139	116	127	No Licence	261	22Hr	127	-	127	
WTP0000271	Booldurragh WTP	139	116	127	No Licence	266	22Hr	127	-	127	
TOTAL		278	232	255	-	527		255	-	255	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	232	232	255	278	90	87	85	66	
2025	232	232	255	278	89	86	83	63	
2030	232	232	255	278	87	84	80	61	
2035	232	232	255	278	85	82	78	58	
2040	232	232	255	278	83	80	76	55	
2044	232	232	255	278	82	78	74	53	

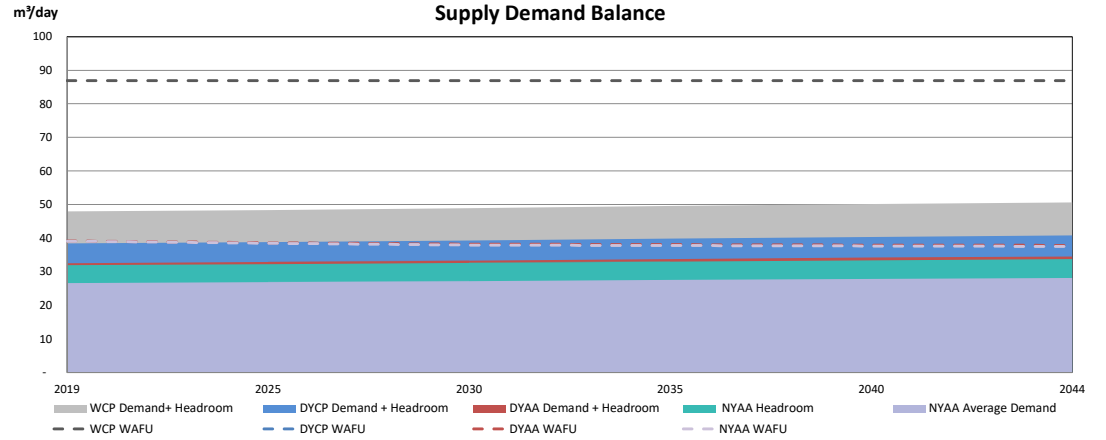
WRZ CODE	0500SC0006	WRZ Name	Bottlehill	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	11
Non-Domestic Demand (m ³ /day)	5
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	10
Demand (m³/day)	27

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	27	5	32	33	38	48
2025	27	5	32	33	39	48
2030	27	5	33	33	39	49
2035	28	6	33	34	40	50
2040	28	6	33	34	40	50
2044	28	6	34	35	41	51

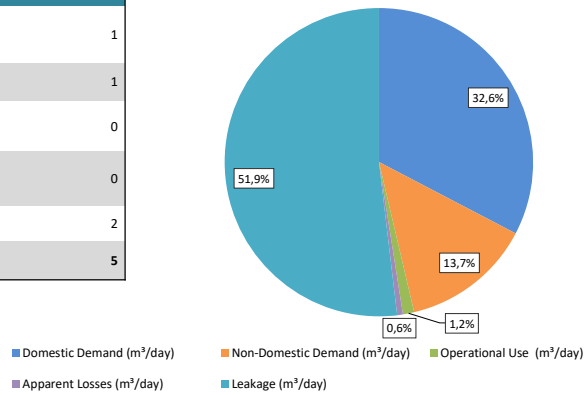
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000369	Bottlehill WTP	87	73	80	No Licence	38	Yield	38	-	38	
TOTAL		87	73	80	-	38		38	-	38	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	39	39	39	87	7	7	1	39
2025	39	39	39	87	6	-	0	39
2030	38	38	38	87	5	-	1	38
2035	38	38	38	87	5	-	2	37
2040	38	38	38	87	4	-	2	37
2044	38	38	38	87	4	-	3	36

WRZ CODE	0500SC0007	WRZ Name	Tarelton	Study Area	I	Study Group		Local Authority	Cork
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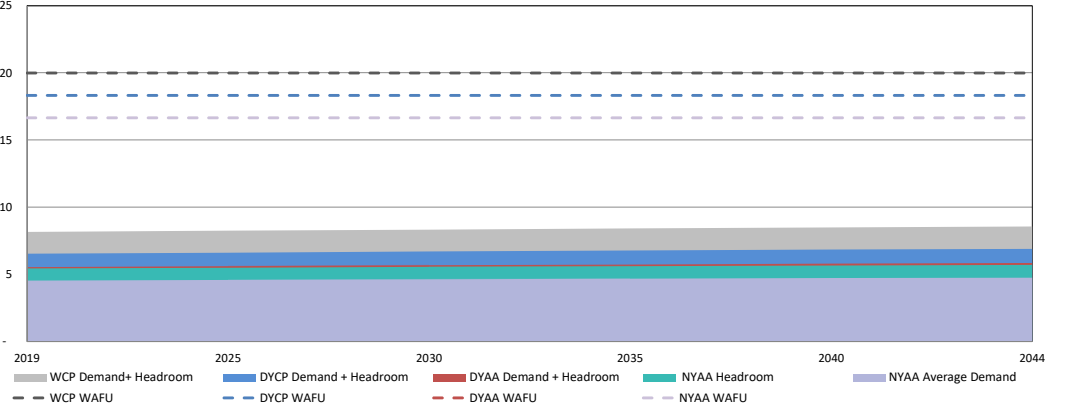
Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	2
Demand (m³/day)	5

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5	1	5	6	7	8
2025	5	1	6	6	7	8
2030	5	1	6	6	7	8
2035	5	1	6	6	7	8
2040	5	1	6	6	7	9
2044	5	1	6	6	7	9

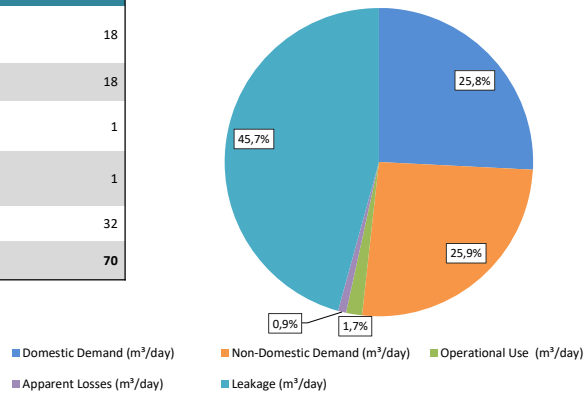
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000741	Tarelton WTP	20	17	18	No Licence	19	22Hr	18	-	18	
TOTAL		20	17	18	-	19		18	-	18	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	17	17	18	20	11	11	12	12
2025	17	17	18	20	11	11	12	12
2030	17	17	18	20	11	11	12	12
2035	17	17	18	20	11	11	12	12
2040	17	17	18	20	11	11	11	11
2044	17	17	18	20	11	11	11	11

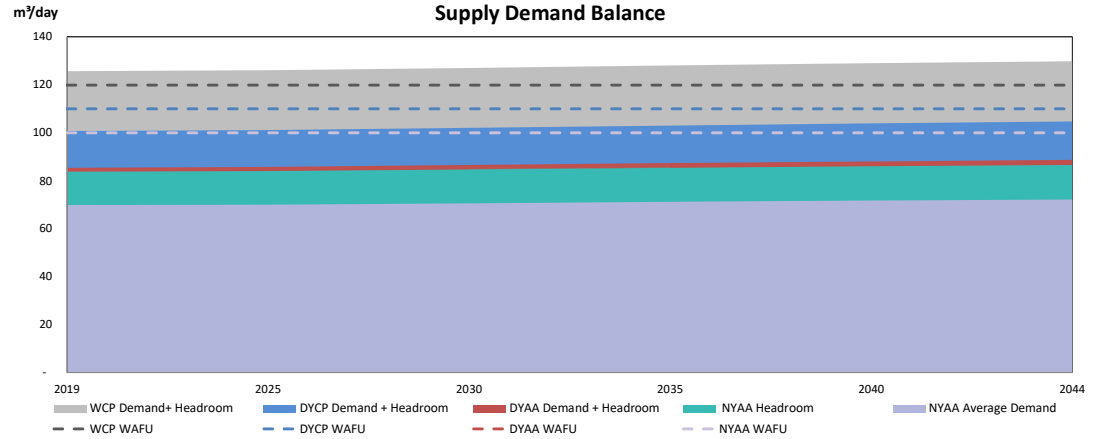
WRZ CODE	0500SC0008	WRZ Name	Inchigeelagh	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	18
Non-Domestic Demand (m ³ /day)	18
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	32
Demand (m³/day)	70

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	70	14	84	85	101	126
2025	70	14	84	86	101	126
2030	71	14	85	87	102	127
2035	71	14	85	87	103	128
2040	72	14	86	88	104	129
2044	72	14	87	89	105	130

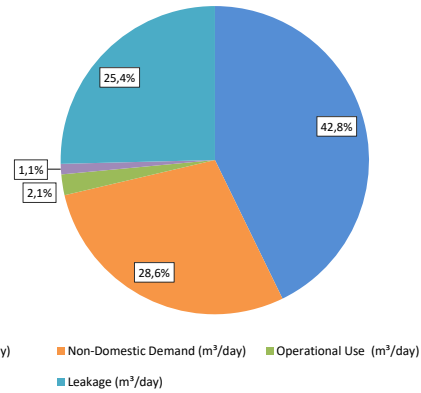
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000531	Inchigeelagh WTP	120	100	110	No Licence	115	22Hr	110	-	110	
TOTAL		120	100	110	-	115		110	-	110	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	100	100	110	120	16	15	9	6
2025	100	100	110	120	16	14	9	6
2030	100	100	110	120	15	13	8	7
2035	100	100	110	120	15	13	7	8
2040	100	100	110	120	14	12	6	9
2044	100	100	110	120	13	11	5	10

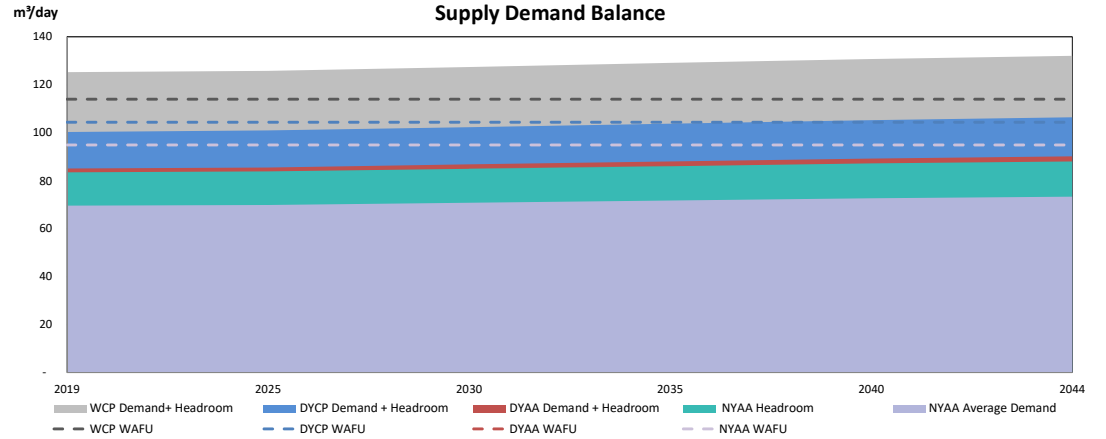
WRZ CODE	0500SC0009	WRZ Name	Ballingeary	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	30
Non-Domestic Demand (m ³ /day)	20
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	18
Demand (m³/day)	70

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	70	14	83	85	100	125
2025	70	14	84	86	101	126
2030	71	14	85	87	102	127
2035	72	14	86	88	104	129
2040	73	15	87	89	105	131
2044	73	15	88	90	106	132

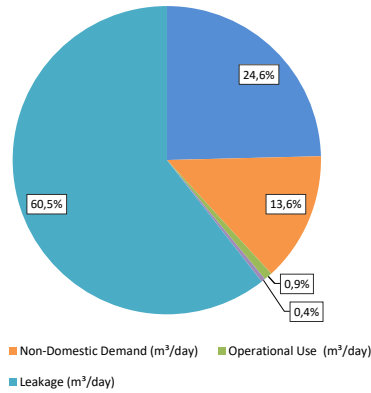
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000073	Ballingeary WTP	114	95	105	No Licence	479	22Hr	105	-	105	Critical - Low Flow Intervention
TOTAL		114	95	105	-	479		105	-	105	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	95	95	105	114	12	10	4	11
2025	95	95	105	114	11	9	4	12
2030	95	95	105	114	10	8	2	13
2035	95	95	105	114	9	7	1	15
2040	95	95	105	114	8	6	1	17
2044	95	95	105	114	7	5	2	18

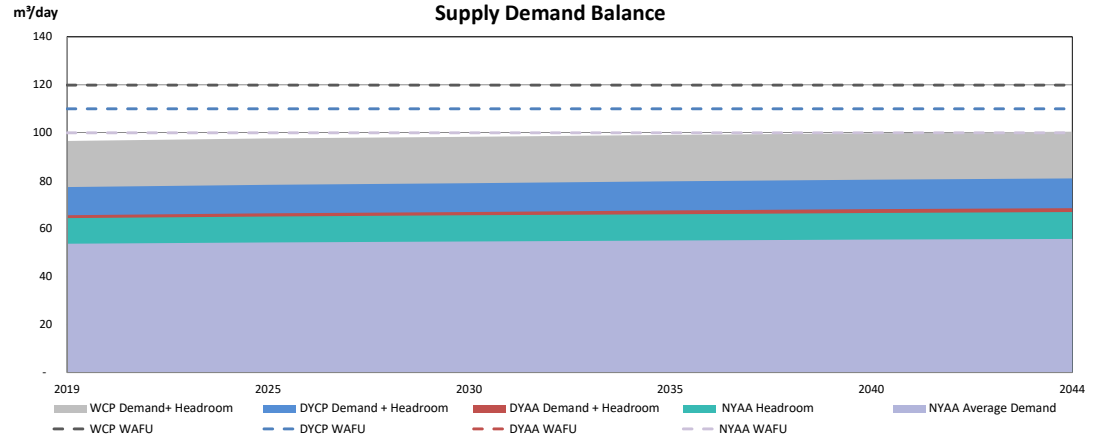
WRZ CODE	0500SC0010	WRZ Name	Carrignadoura	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	13
Non-Domestic Demand (m ³ /day)	7
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	32
Demand (m³/day)	54

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	54	11	64	66	77	97
2025	54	11	65	66	78	98
2030	55	11	66	67	79	98
2035	55	11	66	68	80	99
2040	55	11	67	68	80	100
2044	56	11	67	69	81	100

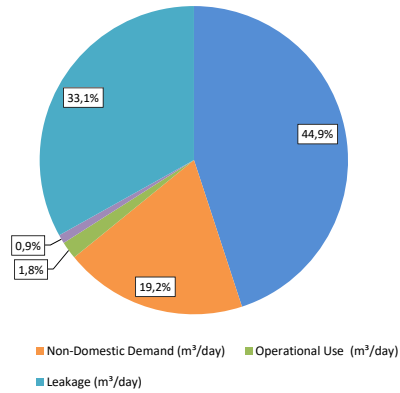
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000349	Carrignadoura WTP	120	100	110	No Licence	163	22Hr	110	-	110	
TOTAL		120	100	110	-	163		110	-	110	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	100	100	110	120	36	34	33	23
2025	100	100	110	120	35	34	32	22
2030	100	100	110	120	34	33	31	22
2035	100	100	110	120	34	32	30	21
2040	100	100	110	120	33	32	30	20
2044	100	100	110	120	33	31	29	20

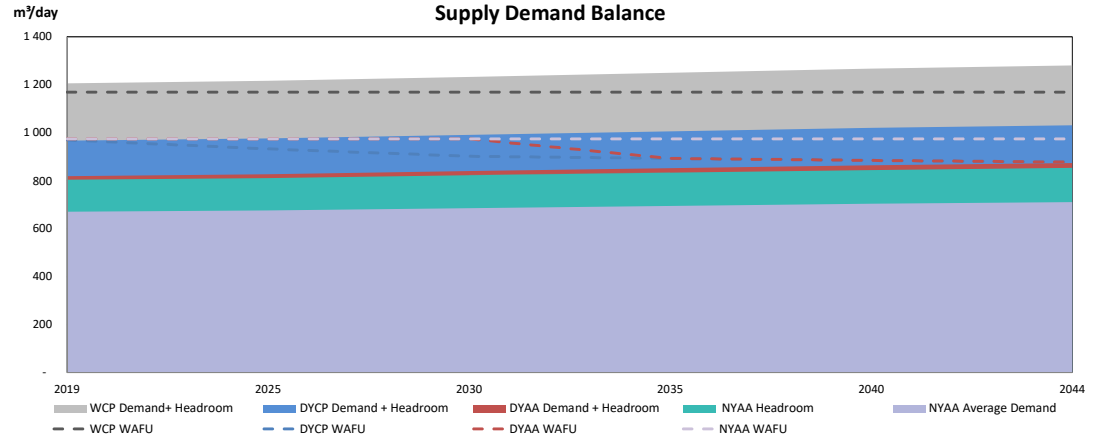
WRZ CODE	0500SC0012	WRZ Name	Dunmanway	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	301
Non-Domestic Demand (m ³ /day)	129
Operational Use (m ³ /day)	12
Apparent Losses (m ³ /day)	6
Leakage (m ³ /day)	222
Demand (m³/day)	670

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	670	134	804	819	967	1207
2025	676	135	811	827	976	1217
2030	685	137	822	840	991	1233
2035	695	139	833	852	1006	1250
2040	704	141	845	865	1020	1267
2044	711	142	854	874	1032	1280

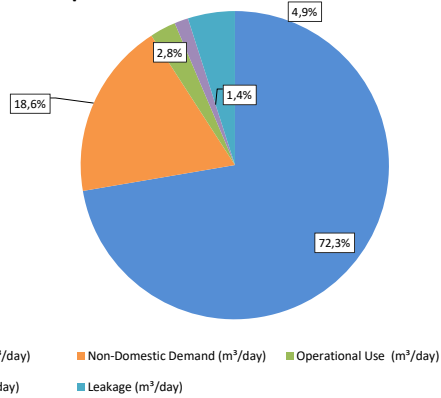
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000371	Dunmanway WTP	1 170	975	1 073	No Licence	949	Yield	878	-	878	
TOTAL		1 170	975	1 073	-	949		878	-	878	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	975	975	971	1 170	171	156	4	37	
2025	975	975	934	1 170	164	148	43	47	
2030	975	975	903	1 170	153	135	88	63	
2035	975	893	893	1 170	142	41	112	80	
2040	975	885	885	1 170	130	20	135	97	
2044	975	878	878	1 170	121	4	154	110	

WRZ CODE	0500SC0013	WRZ Name	Newcestown	Study Area	I	Study Group		Local Authority	Cork
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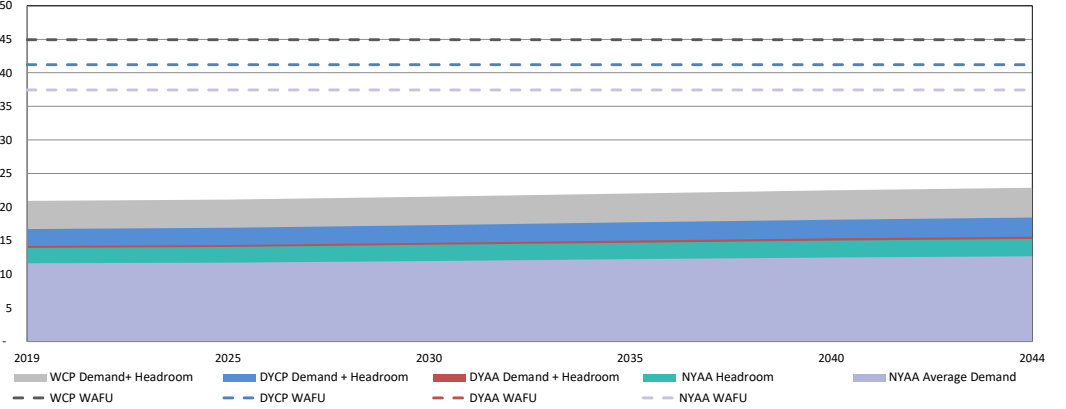
Base Demand in 2019	
Domestic Demand (m ³ /day)	8
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	1
Demand (m³/day)	12

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	12	2	14	14	17	21
2025	12	2	14	14	17	21
2030	12	2	14	15	17	22
2035	12	2	15	15	18	22
2040	13	3	15	15	18	23
2044	13	3	15	16	18	23

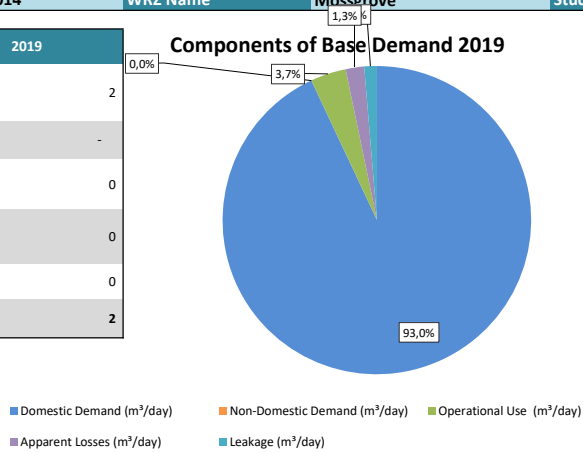
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000210	Newcestown WTP	45	38	41	No Licence	43	22Hr	41	-	41	
TOTAL		45	38	41	-	43		41	-	41	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	38	38	41	45	24	23	24	24
2025	38	38	41	45	23	23	24	24
2030	38	38	41	45	23	23	24	23
2035	38	38	41	45	23	22	24	23
2040	38	38	41	45	22	22	23	22
2044	38	38	41	45	22	22	23	22

WRZ CODE	0500SC0014	WRZ Name	Mossgrove	Study Area	I	Study Group		Local Authority	Cork
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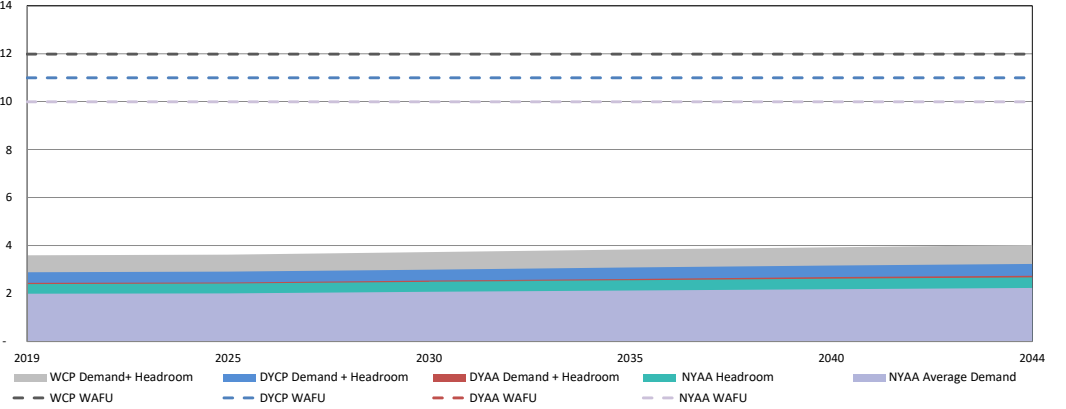
Base Demand in	2019
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	0
Demand (m³/day)	2

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2	0	2	2	3	4
2025	2	0	2	2	3	4
2030	2	0	2	3	3	4
2035	2	0	3	3	3	4
2040	2	0	3	3	3	4
2044	2	0	3	3	3	4

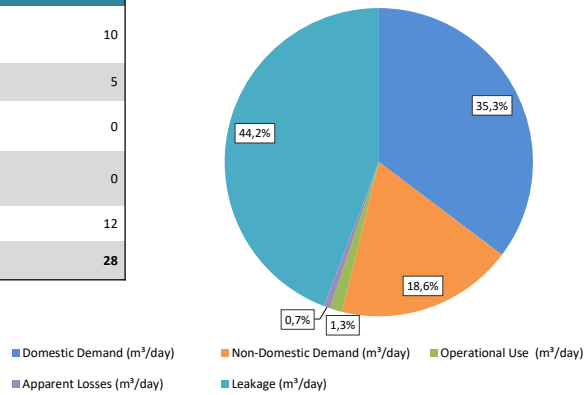
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000191	Mossgrove WTP	12	10	11	No Licence	11	22Hr	11	-	11	
TOTAL		12	10	11	-	11		11	-	11	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	10	11	12	8	8	8	8
2025	10	10	11	12	8	8	8	8
2030	10	10	11	12	8	7	8	8
2035	10	10	11	12	7	7	8	8
2040	10	10	11	12	7	7	8	8
2044	10	10	11	12	7	7	8	8

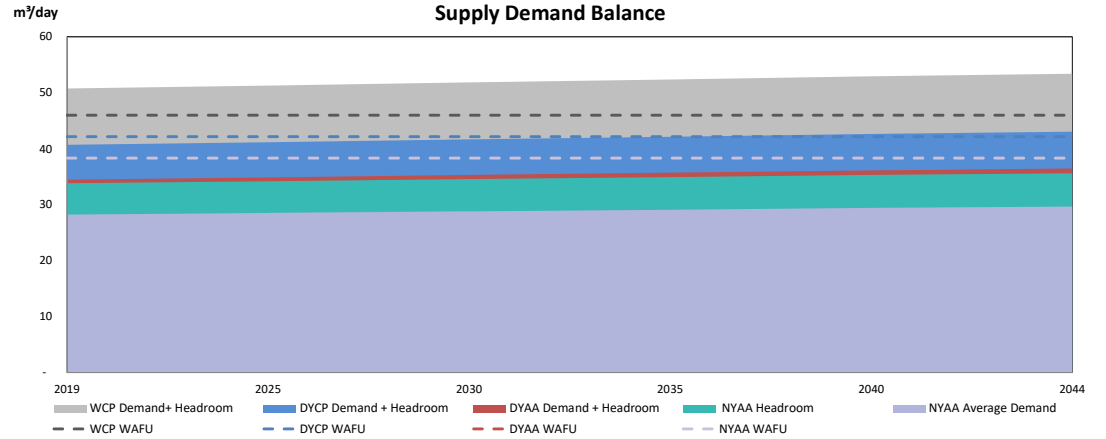
WRZ CODE	0500SC0016	WRZ Name	Roberts Cove	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	10
Non-Domestic Demand (m ³ /day)	5
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	12
Demand (m³/day)	28

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	28	6	34	34	41	51
2025	28	6	34	35	41	51
2030	29	6	35	35	42	52
2035	29	6	35	36	42	52
2040	29	6	35	36	43	53
2044	30	6	36	36	43	53

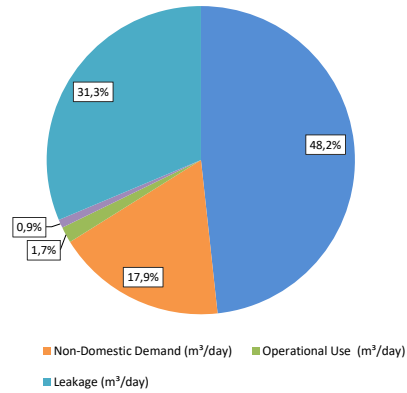
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000722	Roberts Cove WTP	46	38	42	No Licence	144	22Hr	42	-	42	Significant Reduction
TOTAL		46	38	42	-	144		42	-	42	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	38	38	42	46	4	4	1	5
2025	38	38	42	46	4	3	1	5
2030	38	38	42	46	4	3	1	6
2035	38	38	42	46	3	3	0	6
2040	38	38	42	46	3	2	0	7
2044	38	38	42	46	3	2	1	7

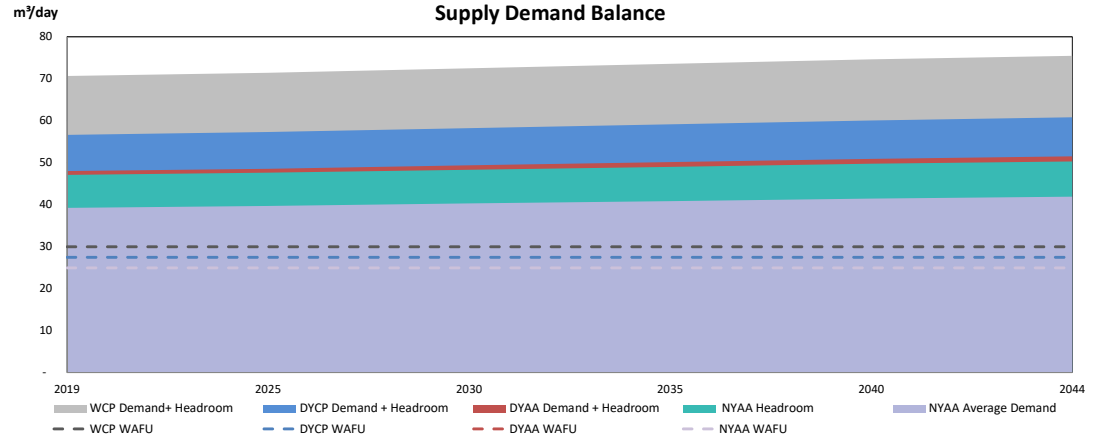
WRZ CODE	0500SC0017	WRZ Name	Nohoval	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	19
Non-Domestic Demand (m ³ /day)	7
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	12
Demand (m³/day)	39

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	39	8	47	48	57	71
2025	40	8	48	49	57	71
2030	40	8	48	49	58	72
2035	41	8	49	50	59	74
2040	41	8	50	51	60	75
2044	42	8	50	52	61	75

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000218	Nohoval WTP Site	30	25	28	No Licence	38	22Hr	28	-	28	Significant Reduction
TOTAL		30	25	28	-	38		28	-	28	

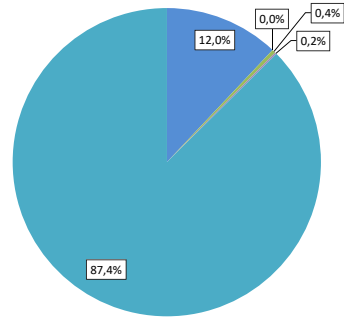
Supply Demand Balance

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	25	25	28	30	22	23	29	41	25	25	28	30
2025	25	25	28	30	23	24	30	41	25	25	28	30
2030	25	25	28	30	23	24	31	42	25	25	28	31
2035	25	25	28	30	24	25	32	44	25	25	28	32
2040	25	25	28	30	25	26	33	45	25	25	28	33
2044	25	25	28	30	25	27	33	45	25	25	28	33

WRZ CODE	0500SC0019	WRZ Name	Ard Na Killy Ridge	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	35
Demand (m³/day)	40

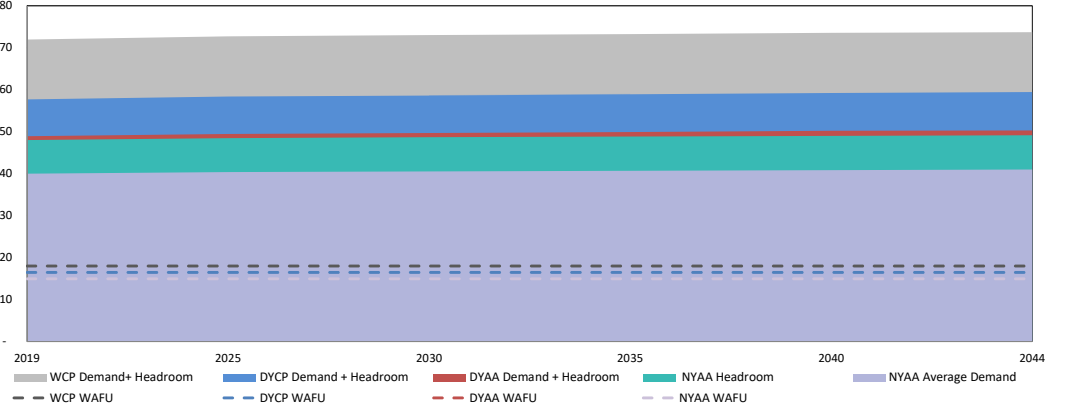
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	40	8	48	49	58	72
2025	40	8	48	49	58	73
2030	41	8	49	50	59	73
2035	41	8	49	50	59	73
2040	41	8	49	50	59	74
2044	41	8	49	50	59	74

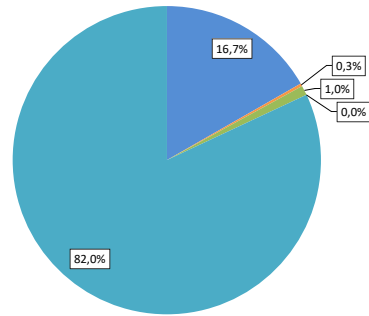
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000098	Ard Na Killy Ridge WTP	18	15	17	No Licence	17	22Hr	17	-	17	
TOTAL		18	15	17	-	17		17	-	17	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	15	15	17	18	33	34	41	54
2025	15	15	17	18	33	34	42	55
2030	15	15	17	18	34	35	42	55
2035	15	15	17	18	34	35	42	55
2040	15	15	17	18	34	35	43	56
2044	15	15	17	18	34	35	43	56

WRZ CODE	0500SC0020	WRZ Name	Cullen	Study Area	I	Study Group		Local Authority	Cork
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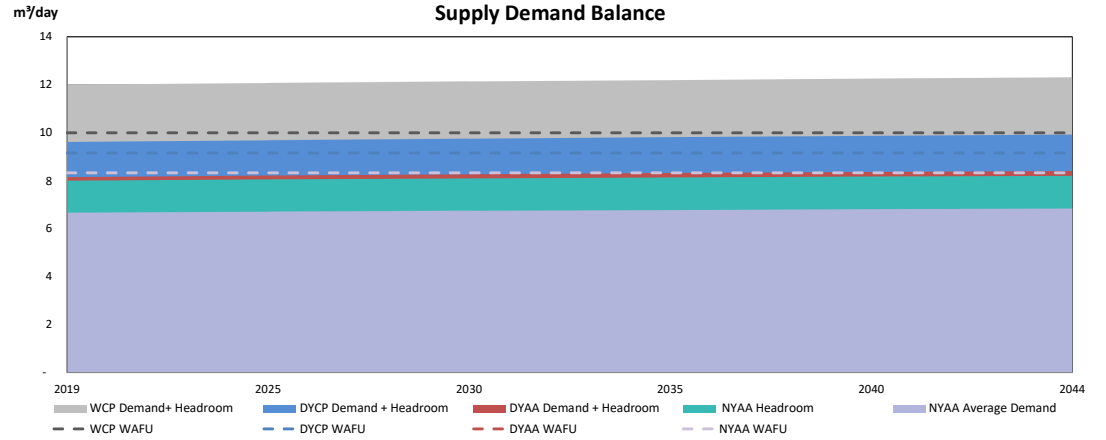
Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	0
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	5
Demand (m³/day)	7

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7	1	8	8	10	12
2025	7	1	8	8	10	12
2030	7	1	8	8	10	12
2035	7	1	8	8	10	12
2040	7	1	8	8	10	12
2044	7	1	8	8	10	12

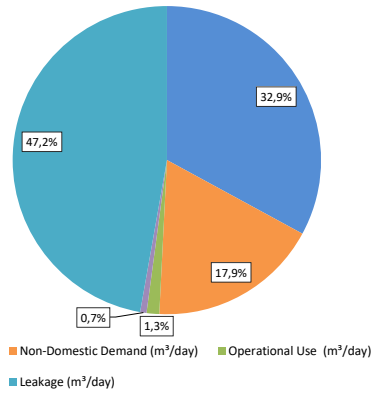
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000600	Cullen WTP	10	8	9	No Licence	10	22Hr	9	-	9	
TOTAL		10	8	9	-	10		9	-	9	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	8	9	10	0	0	0	2
2025	8	8	9	10	0	0	0	2
2030	8	8	9	10	0	0	0	2
2035	8	8	9	10	0	0	0	2
2040	8	8	9	10	0	0	0	2
2044	8	8	9	10	0	0	0	2

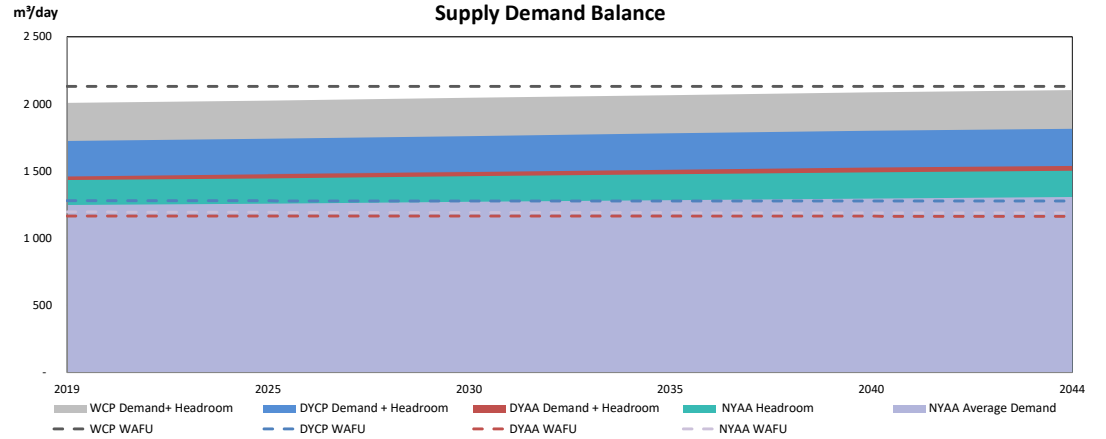
WRZ CODE	0500SC0021	WRZ Name	Skibbereen	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in	2019
Domestic Demand (m ³ /day)	410
Non-Domestic Demand (m ³ /day)	223
Operational Use (m ³ /day)	16
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	589
Demand (m³/day)	1 247

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 247	187	1 434	1 461	1 723	2 007
2025	1 258	189	1 447	1 476	1 742	2 026
2030	1 271	191	1 461	1 493	1 761	2 046
2035	1 284	193	1 476	1 509	1 781	2 066
2040	1 296	194	1 491	1 526	1 800	2 087
2044	1 306	196	1 502	1 538	1 816	2 103

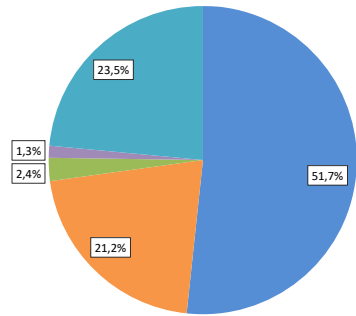
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000748	Schull WTP	770	642	706	No Licence	30	Yield	29	-	29	Significant Reduction
WTP0000337	Baltimore (Lake Cross) WTP	1 363	1 136	1 249	No Licence	1 663	22Hr	1 249	-	1 249	
TOTAL		2 133	1 778	1 955	-	1 693		1 278	-	1 278	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 197	1 168	1 281	2 133	237	293	442	126	
2025	1 195	1 167	1 280	2 133	252	309	461	107	
2030	1 192	1 166	1 279	2 133	269	327	482	87	
2035	1 192	1 165	1 279	2 133	284	344	502	67	
2040	1 191	1 165	1 279	2 133	300	361	522	46	
2044	1 191	1 165	1 278	2 133	312	373	538	30	

WRZ CODE	0500SC0023	WRZ Name	Toomore	Study Area	I	Study Group		Local Authority	Cork
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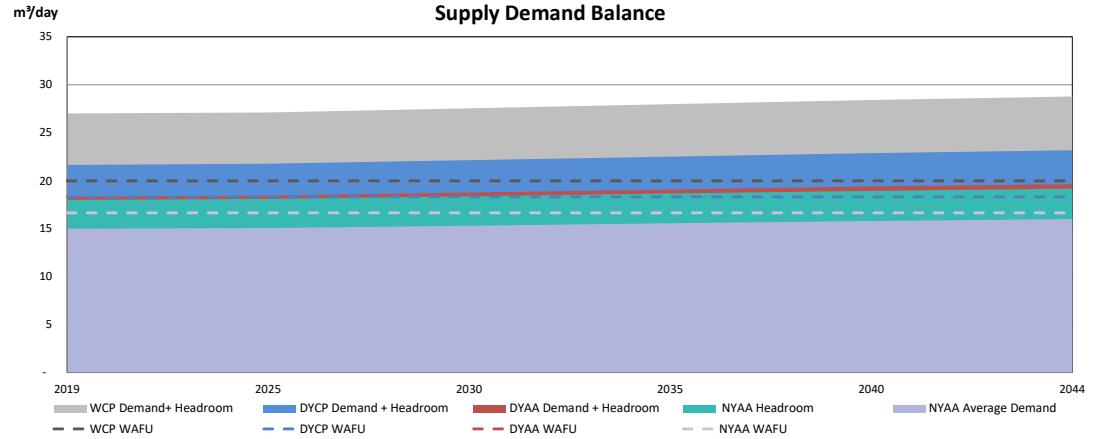
Base Demand in 2019	
Domestic Demand (m ³ /day)	8
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	4
Demand (m³/day)	15

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	15	3	18	18	22	27
2025	15	3	18	18	22	27
2030	15	3	18	19	22	28
2035	16	3	19	19	23	28
2040	16	3	19	19	23	28
2044	16	3	19	20	23	29

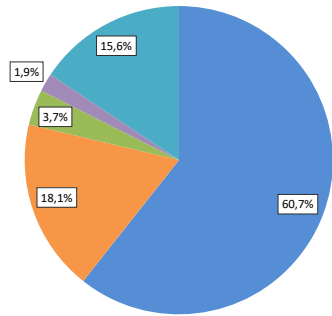
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001190	Toomore WTP	20	17	18	No Licence	19	22Hr	18	-	18	
TOTAL		20	17	18	-	19		18	-	18	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	17	17	18	20	-	1	2	3
2025	17	17	18	20	-	1	2	3
2030	17	17	18	20	-	2	2	4
2035	17	17	18	20	-	2	2	4
2040	17	17	18	20	-	2	3	5
2044	17	17	18	20	-	3	3	5

WRZ CODE	0500SC0024	WRZ Name	Goleen	Study Area	I	Study Group		Local Authority	Cork
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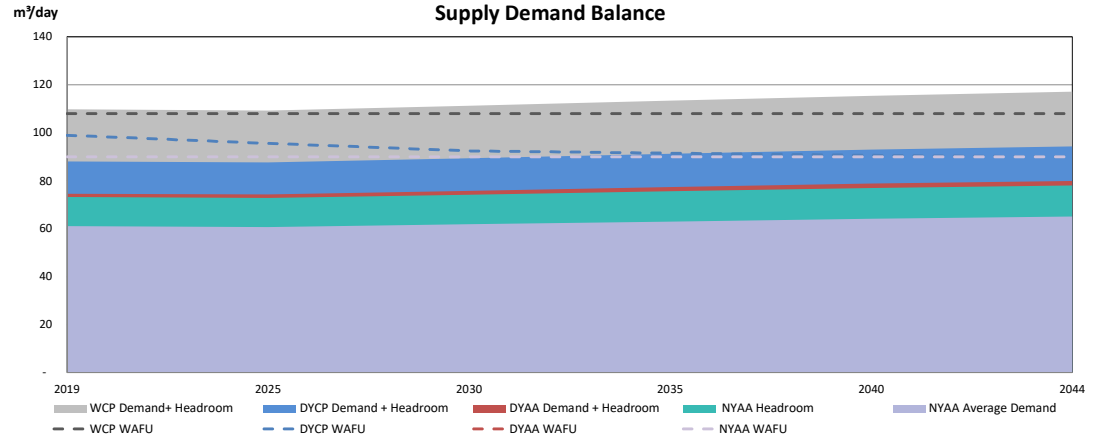
Base Demand in 2019	
Domestic Demand (m ³ /day)	37
Non-Domestic Demand (m ³ /day)	11
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	10
Demand (m³/day)	61

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	61	12	73	75	88	110
2025	61	12	73	74	88	109
2030	62	12	74	76	89	111
2035	63	13	76	77	91	113
2040	64	13	77	79	93	115
2044	65	13	78	80	94	117

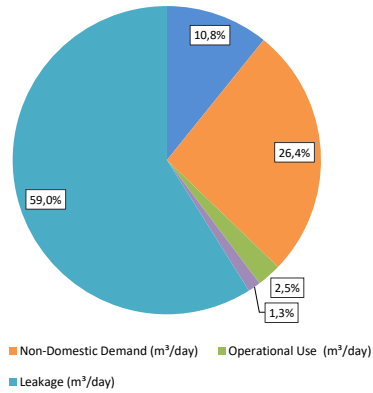
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000435	Goleen WTP	108	90	99	No Licence	93	Yield	90	-	90	Significant Reduction
TOTAL		108	90	99	-	93		90	-	90	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	90	90	99	108	17	15	11	2
2025	90	90	96	108	17	16	8	1
2030	90	90	92	108	16	14	3	3
2035	90	90	92	108	14	13	0	5
2040	90	90	91	108	13	11	2	7
2044	90	90	90	108	12	10	4	9

WRZ CODE	0500SC0025	WRZ Name	Crookhaven	Study Area	I	Study Group		Local Authority	Cork
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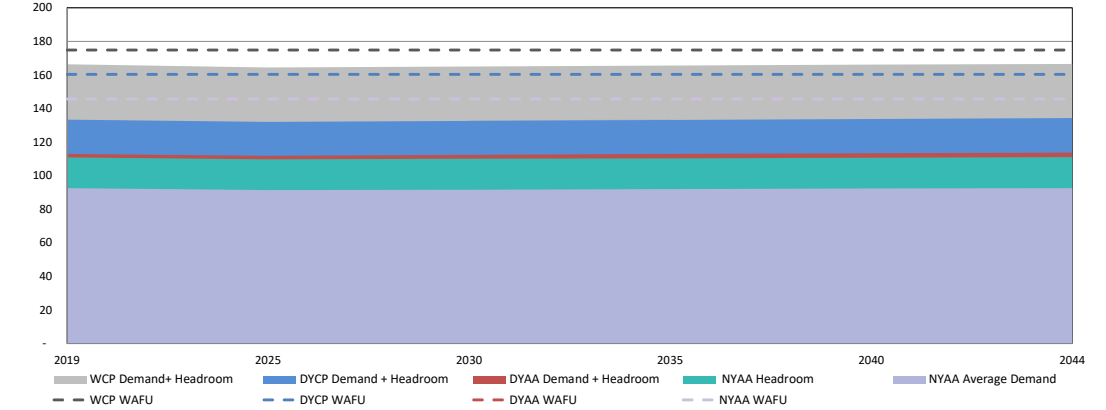
Base Demand in 2019	
Domestic Demand (m ³ /day)	10
Non-Domestic Demand (m ³ /day)	24
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	55
Demand (m³/day)	92

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	92	18	111	113	133	166
2025	91	18	110	112	132	164
2030	92	18	110	112	133	165
2035	92	18	110	113	133	166
2040	92	18	111	113	134	166
2044	93	19	111	114	134	167

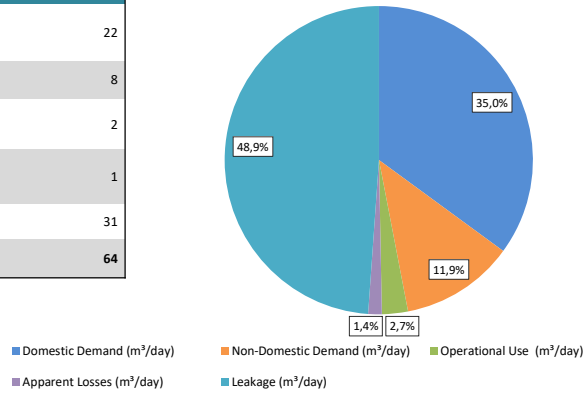
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000637	Crookhaven WTP	175	146	160	No Licence	222	22Hr	160	-	160	Significant Reduction
TOTAL		175	146	160	-	222		160	-	160	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	146	146	160	175	35	33	27	9
2025	146	146	160	175	36	34	28	11
2030	146	146	160	175	36	33	28	10
2035	146	146	160	175	35	33	27	9
2040	146	146	160	175	35	32	27	9
2044	146	146	160	175	35	32	26	8

WRZ CODE	0500SC0026	WRZ Name	Kilcrohane	Study Area	I	Study Group	Local Authority	Cork
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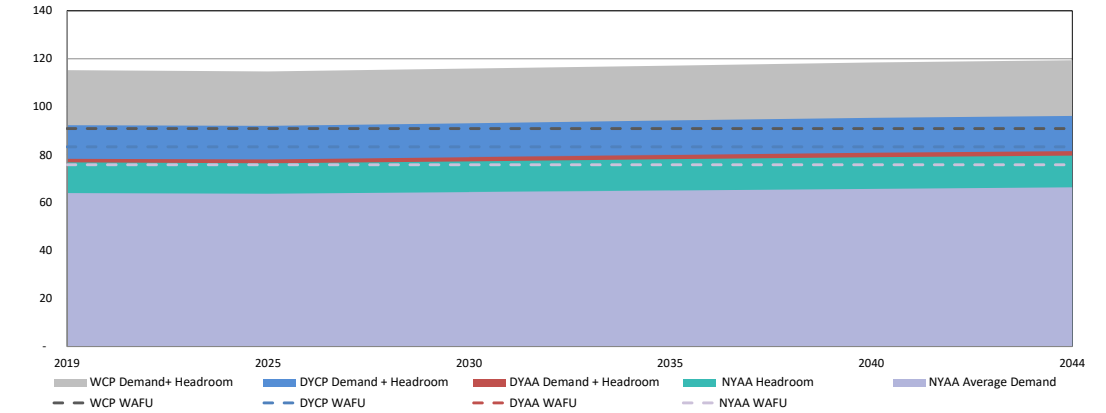
Base Demand in 2019	
Domestic Demand (m ³ /day)	22
Non-Domestic Demand (m ³ /day)	8
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	31
Demand (m³/day)	64

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	64	13	77	78	92	115
2025	64	13	76	78	92	115
2030	64	13	77	79	93	116
2035	65	13	78	80	94	117
2040	66	13	79	81	95	118
2044	66	13	80	82	96	119

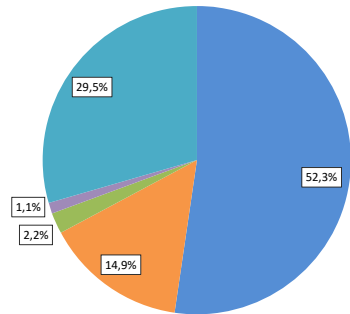
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001095	Kilcrohane WTP	91	76	83	No Licence	87	22Hr	83	-	83	
TOTAL		91	76	83	-	87		83	-	83	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	76	76	83	91	1	2	9	24
2025	76	76	83	91	1	2	9	24
2030	76	76	83	91	1	3	10	25
2035	76	76	83	91	2	4	11	26
2040	76	76	83	91	3	5	12	27
2044	76	76	83	91	4	6	13	28

WRZ CODE	0500SC0027	WRZ Name	Durrus	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	61
Non-Domestic Demand (m ³ /day)	17
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	34
Demand (m³/day)	116

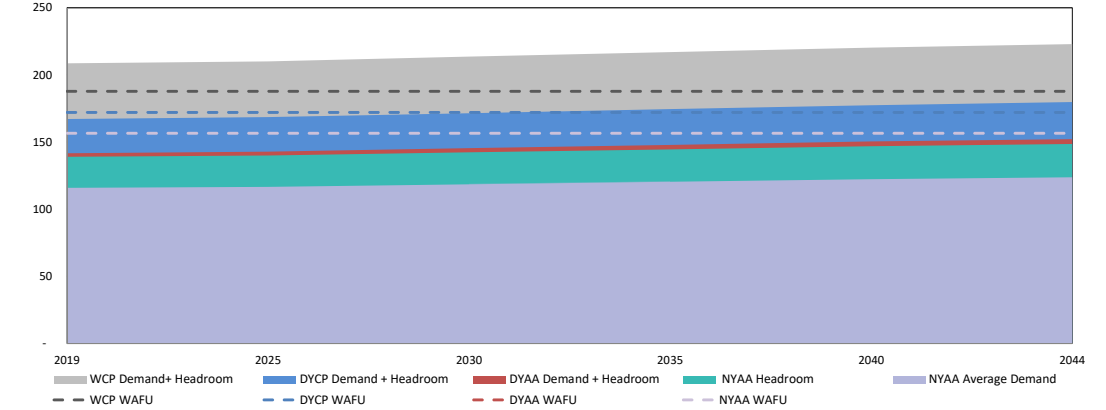
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	116	23	139	142	167	209
2025	117	23	140	143	169	210
2030	119	24	142	145	172	214
2035	121	24	145	148	175	217
2040	122	24	147	150	177	220
2044	124	25	149	152	180	223

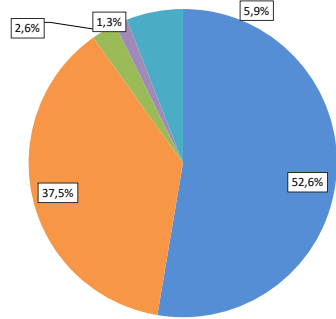
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000379	Durrus WTP	188	157	172	No Licence	10 245	22Hr	172	-	172	
TOTAL		188	157	172	-	10 245		172	-	172	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	157	157	172	188	18	15	5	21
2025	157	157	172	188	17	14	4	22
2030	157	157	172	188	14	11	1	26
2035	157	157	172	188	12	9	2	29
2040	157	157	172	188	10	6	5	32
2044	157	157	172	188	8	4	7	35

WRZ CODE	0500SC0028	WRZ Name	Caheragh	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	21
Non-Domestic Demand (m ³ /day)	15
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	2
Demand (m³/day)	39

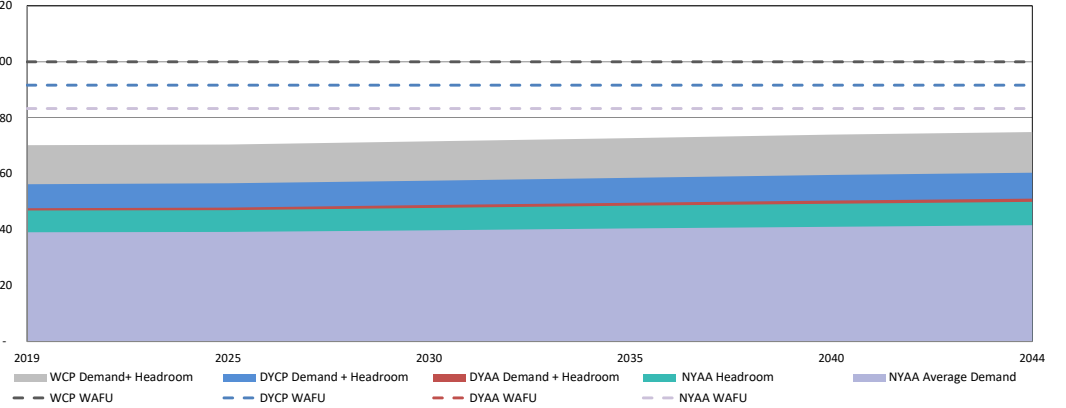
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	39	8	47	48	56	70
2025	39	8	47	48	57	70
2030	40	8	48	49	58	72
2035	40	8	49	50	59	73
2040	41	8	49	50	60	74
2044	42	8	50	51	60	75

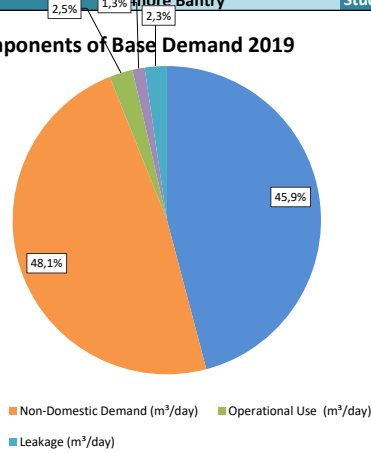
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000324	Caheragh WTP	100	83	92	No Licence	96	22Hr	92	-	92	
TOTAL		100	83	92	-	96		92	-	92	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	83	83	92	100	37	36	35	30
2025	83	83	92	100	36	35	35	30
2030	83	83	92	100	36	35	34	28
2035	83	83	92	100	35	34	33	27
2040	83	83	92	100	34	33	32	26
2044	83	83	92	100	33	32	31	25

WRZ CODE	0500SC0029	WRZ Name	Dromore Bantry	Study Area	I	Study Group		Local Authority	Cork
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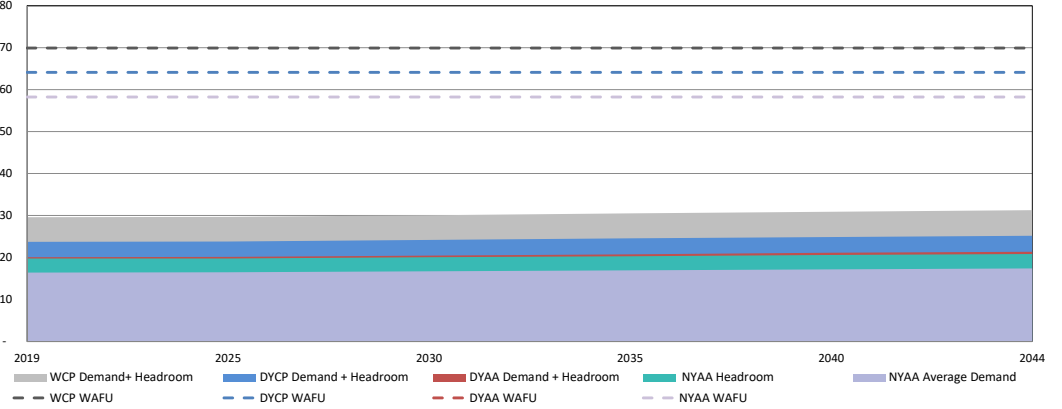
Base Demand in 2019	
Domestic Demand (m ³ /day)	8
Non-Domestic Demand (m ³ /day)	8
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	0
Demand (m³/day)	16

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	16	3	20	20	24	30
2025	16	3	20	20	24	30
2030	17	3	20	21	24	30
2035	17	3	20	21	25	31
2040	17	3	21	21	25	31
2044	17	3	21	21	25	31

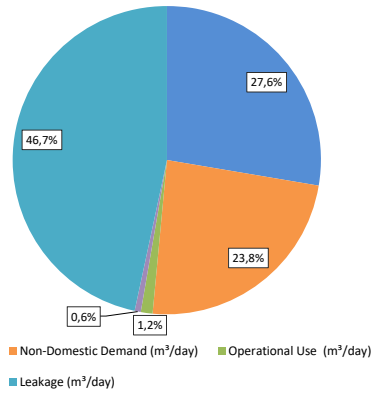
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000414	Dromore WTP	70	58	64	No Licence	67	22Hr	64	-	64	
TOTAL		70	58	64	-	67		64	-	64	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	58	58	64	70	39	38	40	40
2025	58	58	64	70	39	38	40	40
2030	58	58	64	70	38	38	40	40
2035	58	58	64	70	38	38	40	39
2040	58	58	64	70	38	37	39	39
2044	58	58	64	70	37	37	39	39

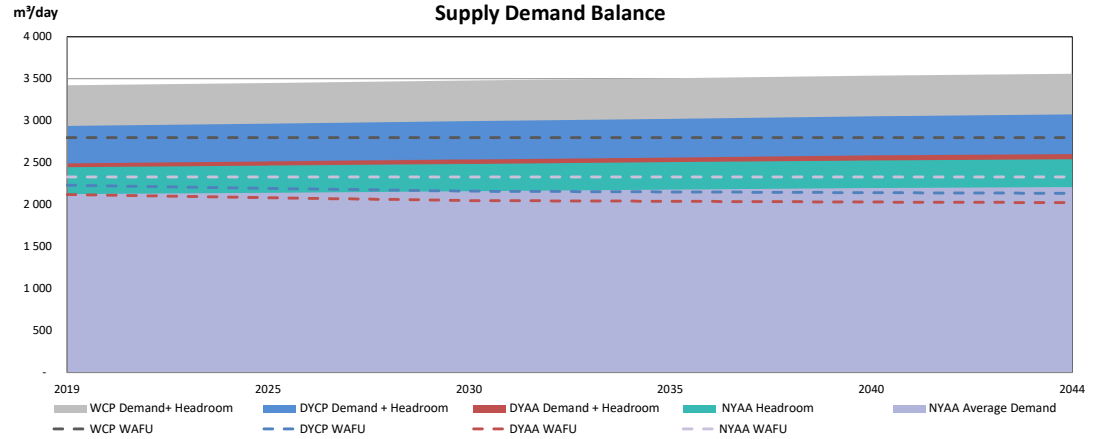
WRZ CODE	0500SC0030	WRZ Name	Bantry	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	588
Non-Domestic Demand (m ³ /day)	507
Operational Use (m ³ /day)	26
Apparent Losses (m ³ /day)	14
Leakage (m ³ /day)	992
Demand (m³/day)	2 126

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 126	319	2 445	2 491	2 939	3 423
2025	2 143	321	2 464	2 514	2 966	3 450
2030	2 161	324	2 485	2 538	2 995	3 479
2035	2 179	327	2 506	2 562	3 023	3 508
2040	2 197	330	2 527	2 587	3 052	3 537
2044	2 212	332	2 544	2 604	3 075	3 561

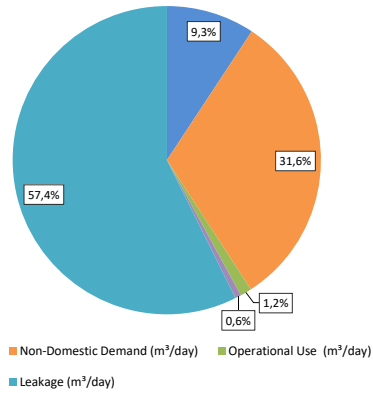
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000828	Cahernacrin WTP	1 330	1 108	1 219	No Licence	2 012	22Hr	1 219	-	1 219	Significant Reduction
WTP0000669	Derryginagh WTP	1 470	1 225	1 348	No Licence	993	Yield	918	-	918	Significant Reduction
TOTAL		2 800	2 333	2 567	-	3 005		2 138	-	2 138	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 333	2 123	2 234	2 800	112	367	705	623	-	-	-	-
2025	2 333	2 085	2 195	2 800	131	429	770	650	-	-	-	-
2030	2 333	2 052	2 163	2 800	152	486	831	679	-	-	-	-
2035	2 333	2 043	2 154	2 800	172	520	870	708	-	-	-	-
2040	2 333	2 034	2 145	2 800	193	553	907	737	-	-	-	-
2044	2 333	2 027	2 138	2 800	210	577	937	761	-	-	-	-

WRZ CODE	0500SC0031	WRZ Name	Whiddy Island	Study Area	I	Study Group		Local Authority	Cork
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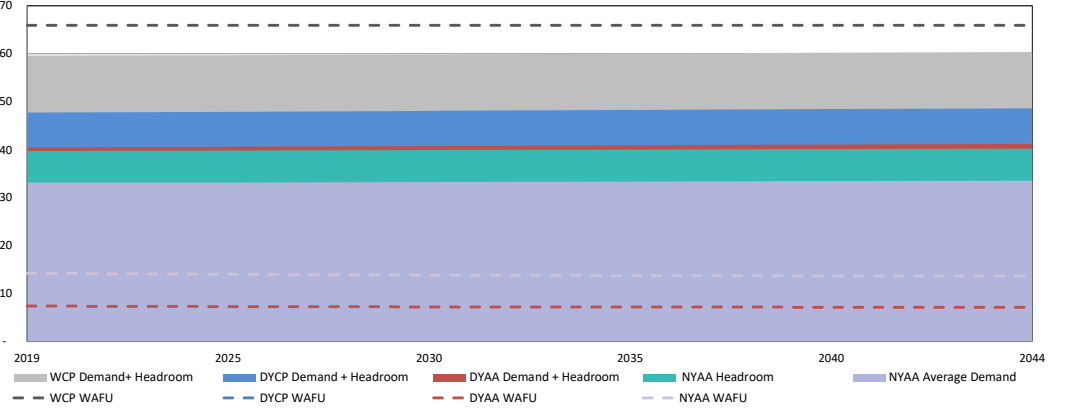
Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	10
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	19
Demand (m³/day)	33

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	33	7	40	40	48	60
2025	33	7	40	41	48	60
2030	33	7	40	41	48	60
2035	33	7	40	41	48	60
2040	33	7	40	41	48	60
2044	34	7	40	41	49	60

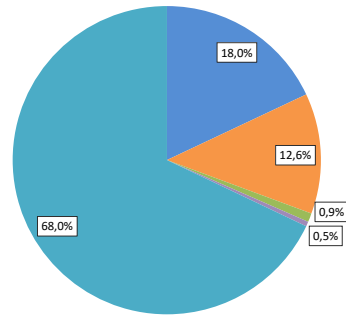
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001215	Whiddy Island WTP	66	55	61	No Licence	7	Yield	7	-	7	
TOTAL		66	55	61	-	7		7	-	7	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	14	7	7	66 -	25 -	33 -	40	6
2025	14	7	7	66 -	26 -	33 -	41	6
2030	14	7	7	66 -	26 -	34 -	41	6
2035	14	7	7	66 -	26 -	34 -	41	6
2040	14	7	7	66 -	26 -	34 -	41	6
2044	14	7	7	66 -	27 -	34 -	41	6

WRZ CODE	0500SC0033	WRZ Name	Adrigole	Study Area	I	Study Group		Local Authority	Cork
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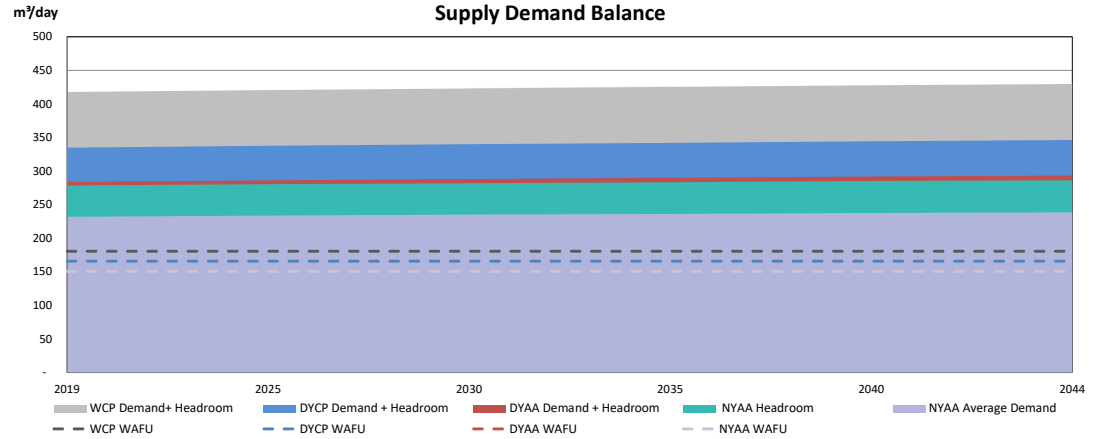
Base Demand in	2019
Domestic Demand (m ³ /day)	42
Non-Domestic Demand (m ³ /day)	29
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	158
Demand (m³/day)	232

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	232	46	279	284	335	418
2025	234	47	281	286	338	421
2030	235	47	282	288	340	423
2035	236	47	284	290	342	425
2040	238	48	285	292	344	428
2044	239	48	286	293	346	430

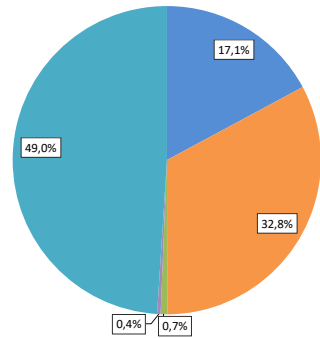
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000021	Adrigole WTP	181	151	166	No Licence	416	22Hr	166	-	166	
TOTAL		181	151	166	-	416		166	-	166	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	151	151	151	166	181	128	133	169	237	169	169	237
2025	151	151	151	166	181	130	135	172	240	172	172	240
2030	151	151	151	166	181	131	137	174	242	174	174	242
2035	151	151	151	166	181	133	139	176	244	176	176	244
2040	151	151	151	166	181	134	141	179	247	179	179	247
2044	151	151	151	166	181	136	142	180	249	180	180	249

WRZ CODE	0500SC0034	WRZ Name	Castletownbere	Study Area	I	Study Group	Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	445
Non-Domestic Demand (m ³ /day)	851
Operational Use (m ³ /day)	18
Apparent Losses (m ³ /day)	10
Leakage (m ³ /day)	1 271
Demand (m³/day)	2 594

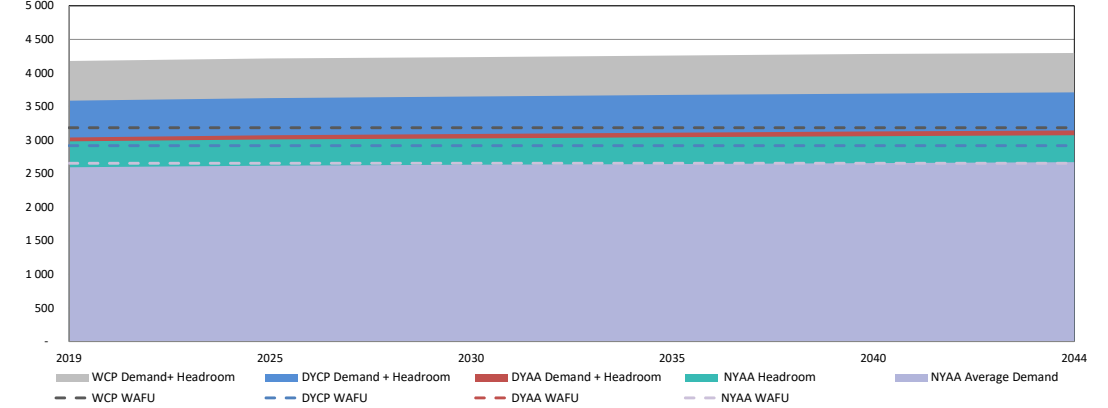
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 594	389	2 984	3 039	3 586	4 177
2025	2 618	393	3 011	3 071	3 624	4 215
2030	2 632	395	3 027	3 091	3 647	4 237
2035	2 646	397	3 042	3 111	3 671	4 259
2040	2 659	399	3 058	3 131	3 694	4 282
2044	2 670	401	3 071	3 144	3 712	4 299

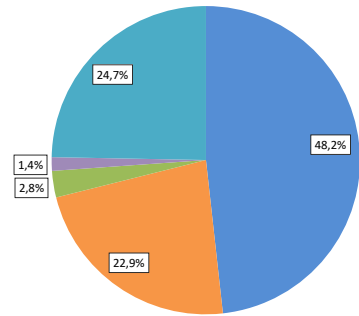
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000494	Castletownbere WTP	3 187	2 656	2 921	3 000	4 204	22Hr	2 921	-	2 921	
TOTAL		3 187	2 656	2 921	3 000	4 204		2 921	-	2 921	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	2 656	2 656	2 921	3 187	328	384	665	990	2 656	2 656	2 921
2025	2 656	2 656	2 921	3 187	355	416	703	1 028	2 656	2 656	2 921
2030	2 656	2 656	2 921	3 187	371	435	726	1 050	2 656	2 656	2 921
2035	2 656	2 656	2 921	3 187	387	455	749	1 072	2 656	2 656	2 921
2040	2 656	2 656	2 921	3 187	402	475	772	1 095	2 656	2 656	2 921
2044	2 656	2 656	2 921	3 187	415	488	791	1 112	2 656	2 656	2 921

WRZ CODE	0500SC0035	WRZ Name	Allihies	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	20
Non-Domestic Demand (m ³ /day)	9
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	10
Demand (m³/day)	41

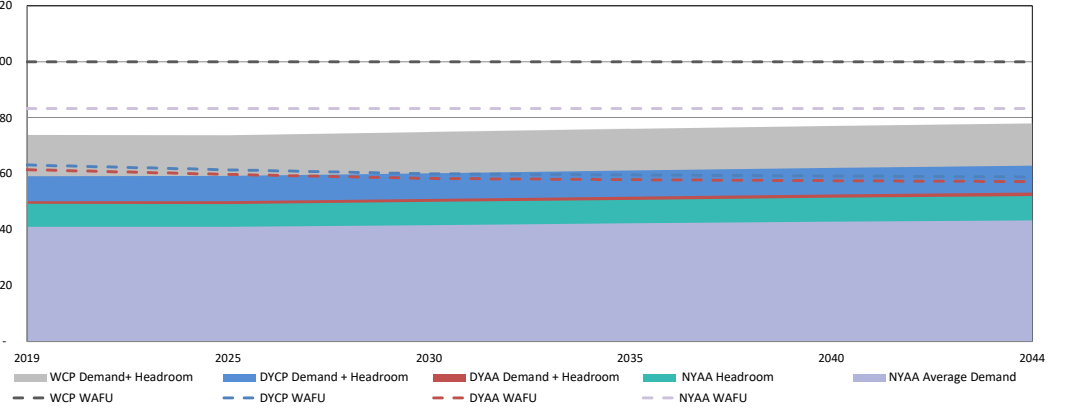
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	41	8	49	50	59	74
2025	41	8	49	50	59	74
2030	42	8	50	51	60	75
2035	42	8	51	52	61	76
2040	43	9	51	53	62	77
2044	43	9	52	53	63	78

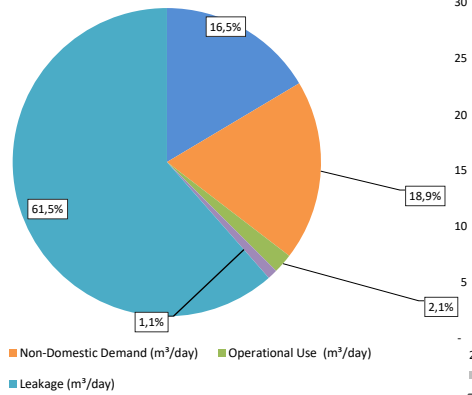
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000116	Ballydonnegan WTP	20	17	18	No Licence	19	22Hr	18	-	18	
WTP0000036	Allihies WTP	80	67	73	No Licence	42	Yield	41	-	41	
TOTAL		100	83	92	-	61		59	-	59	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	83	62	63	100	34	11	4	26
2025	83	60	61	100	34	10	2	26
2030	83	58	60	100	33	7	0	25
2035	83	58	60	100	33	6	2	24
2040	83	58	59	100	32	5	3	23
2044	83	57	59	100	31	4	4	22

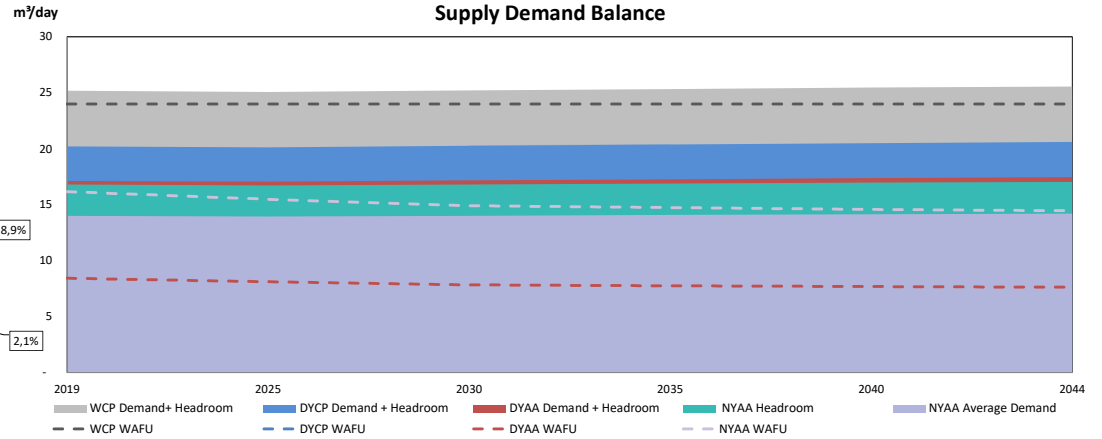
WRZ CODE	0500SC0036	WRZ Name	Cahermore	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	9
Demand (m³/day)	14

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	14	3	17	17	20	25
2025	14	3	17	17	20	25
2030	14	3	17	17	20	25
2035	14	3	17	17	20	25
2040	14	3	17	17	21	25
2044	14	3	17	17	21	26

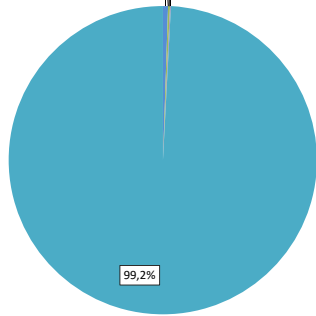
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000390	Cahermore WTP	24	20	22	No Licence	8	Yield	8	-	8	
TOTAL		24	20	22	-	8		8	-	8	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	16	8	8	24	1	9	12	1
2025	15	8	8	24	1	9	12	1
2030	15	8	8	24	2	9	12	1
2035	15	8	8	24	2	10	13	1
2040	15	8	8	24	2	10	13	1
2044	14	8	8	24	3	10	13	2

WRZ CODE	0500SC0037	WRZ Name	Dursey Island	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	0
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	82
Demand (m³/day)	83

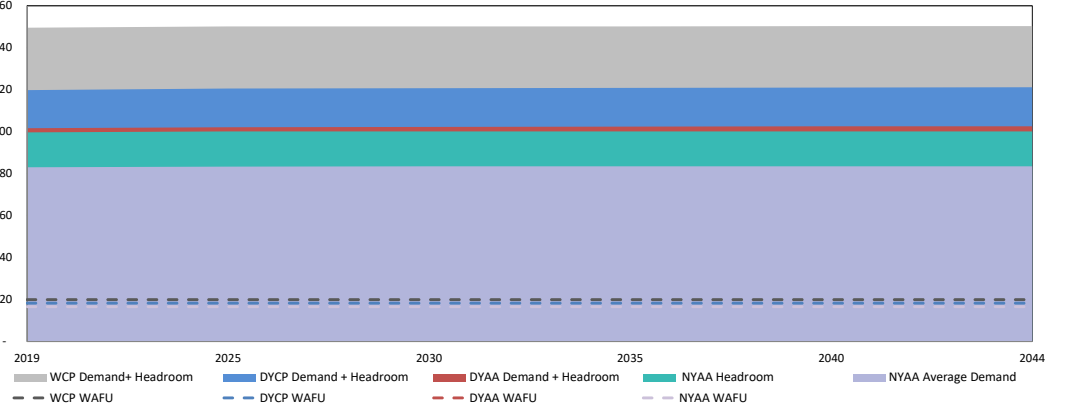
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	83	17	100	102	120	150
2025	83	17	100	102	121	150
2030	83	17	100	102	121	150
2035	83	17	100	102	121	150
2040	83	17	100	103	121	150
2044	84	17	100	103	121	150

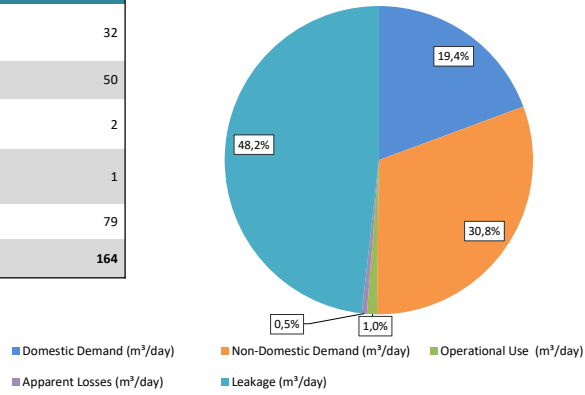
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000380	Dursey Island WTP	20	17	18	No Licence	19	22Hr	18	-	18	
TOTAL		20	17	18	-	19		18	-	18	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU (m ³ /day)
2019	17	17	18	20	83	85	102	130	17	17
2025	17	17	18	20	83	85	102	130	17	17
2030	17	17	18	20	83	86	102	130	17	17
2035	17	17	18	20	84	86	103	130	17	17
2040	17	17	18	20	84	86	103	130	17	17
2044	17	17	18	20	84	86	103	130	17	17

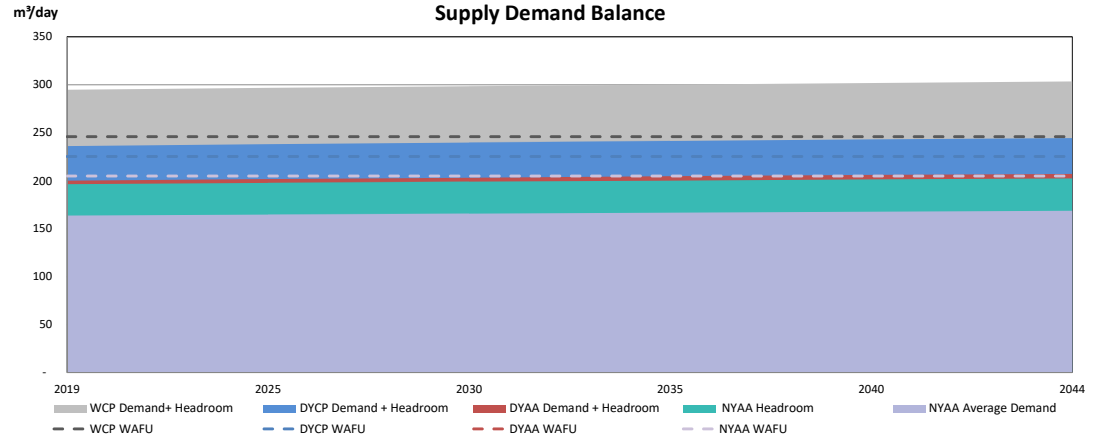
WRZ CODE	0500SC0038	WRZ Name	Drinagh	Study Area	I	Study Group	Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	32
Non-Domestic Demand (m ³ /day)	50
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	79
Demand (m³/day)	164

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	164	33	196	200	236	295
2025	165	33	198	202	238	297
2030	166	33	199	203	240	298
2035	167	33	200	205	241	300
2040	168	34	201	206	243	302
2044	169	34	202	207	245	303

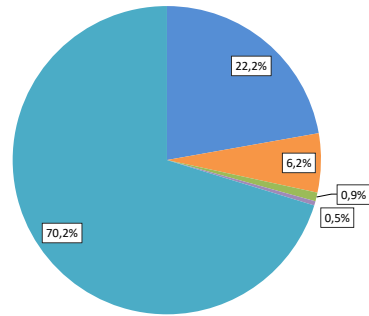
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000629	Drinagh WTP	246	205	226	No Licence	3 651	22Hr	226	-	226	
TOTAL		246	205	226	-	3 651		226	-	226	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	205	205	226	246	9	5	-	11	-	49		
2025	205	205	226	246	7	3	-	13	-	51		
2030	205	205	226	246	6	2	-	14	-	52		
2035	205	205	226	246	5	0	-	16	-	54		
2040	205	205	226	246	4	1	-	18	-	56		
2044	205	205	226	246	3	2	-	19	-	57		

WRZ CODE	0500SC0039	WRZ Name	Knockadoon	Study Area	I	Study Group	Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	23
Non-Domestic Demand (m ³ /day)	6
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	74
Demand (m³/day)	105

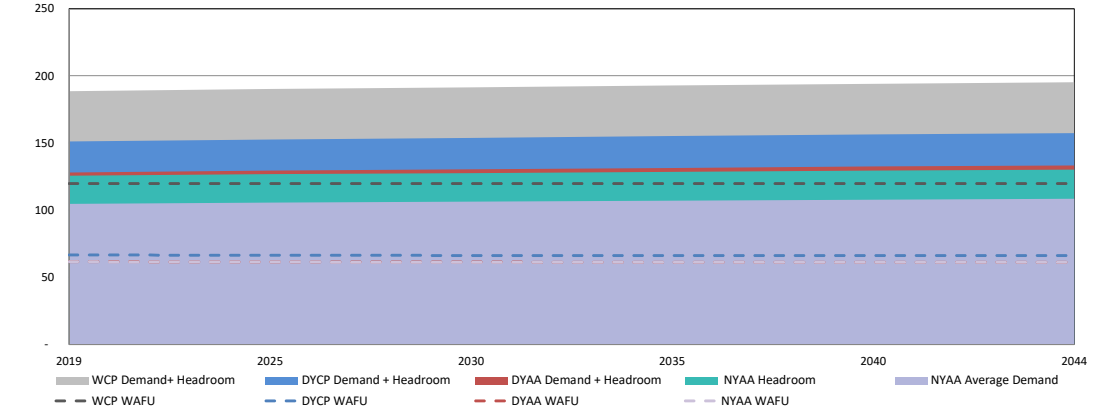
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	105	21	126	128	151	189
2025	106	21	127	129	153	190
2030	106	21	128	130	154	192
2035	107	21	129	132	155	193
2040	108	22	129	133	156	194
2044	108	22	130	133	157	195

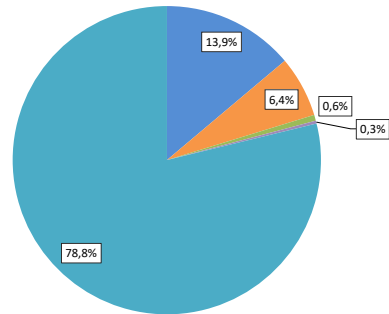
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000014	Knockadoon WTP 1	60	50	55	No Licence	164	22Hr	55	-	55	Demand > Safe Production Capacity
WTP0001146	Knockadoon WTP 1	60	50	55	No Licence	11	Yield	11	-	11	
TOTAL		120	100	110	-	175		66	-	66	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)				
2019	62	62	67	120	-	64	-	66	-	84	-	69
2025	62	62	67	120	-	65	-	68	-	86	-	70
2030	61	61	66	120	-	66	-	69	-	87	-	72
2035	61	61	66	120	-	67	-	70	-	89	-	73
2040	61	61	66	120	-	68	-	71	-	90	-	74
2044	61	61	66	120	-	69	-	72	-	91	-	75

WRZ CODE	0500SC0040	WRZ Name	Kilcraheen	Study Area	I	Study Group		Local Authority	Cork
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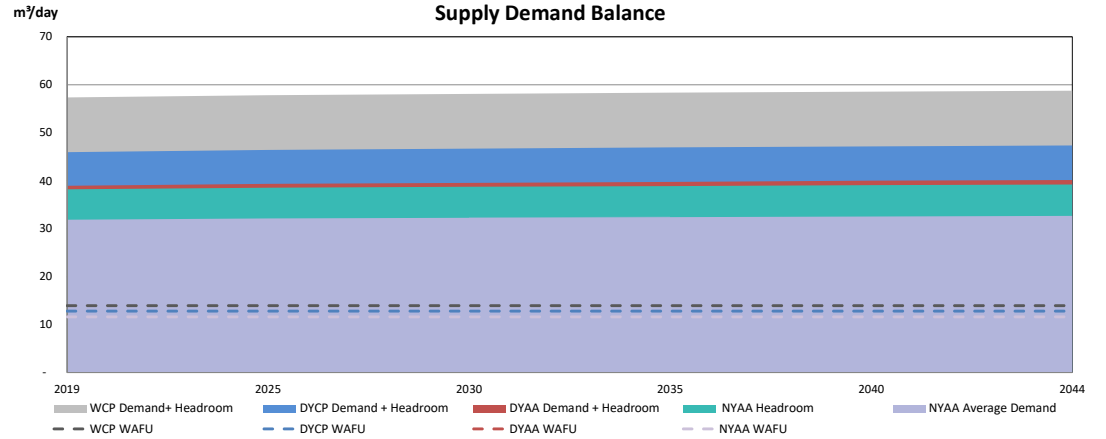
Base Demand in 2019	
Domestic Demand (m ³ /day)	4
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	25
Demand (m³/day)	32

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	32	6	38	39	46	57
2025	32	6	39	39	46	58
2030	32	6	39	40	47	58
2035	32	6	39	40	47	58
2040	33	7	39	40	47	59
2044	33	7	39	40	47	59

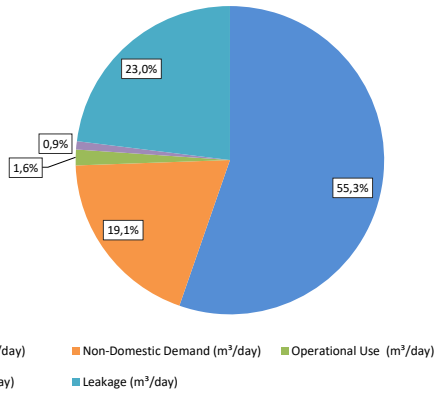
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001094	Kilcraheen WTP	14	12	13	No Licence	13	22Hr	13	-	13	
TOTAL		14	12	13	-	13		13	-	13	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	12	12	13	14	-	27	-	27	-	27	-	43
2025	12	12	13	14	-	27	-	28	-	28	-	44
2030	12	12	13	14	-	27	-	28	-	28	-	44
2035	12	12	13	14	-	27	-	28	-	28	-	44
2040	12	12	13	14	-	27	-	28	-	28	-	45
2044	12	12	13	14	-	28	-	28	-	28	-	45

WRZ CODE	0500SC0041	WRZ Name	Ballymacoda	Study Area	I	Study Group		Local Authority	Cork
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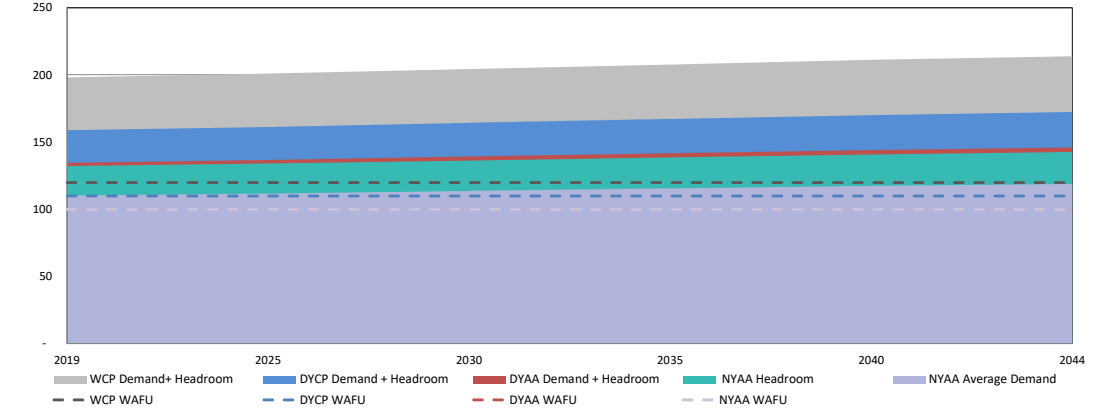
Base Demand in 2019	
Domestic Demand (m ³ /day)	61
Non-Domestic Demand (m ³ /day)	21
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	25
Demand (m³/day)	110

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	110	22	132	135	159	198
2025	112	22	134	137	161	201
2030	114	23	136	139	164	204
2035	115	23	139	142	167	208
2040	117	23	141	144	170	211
2044	119	24	143	146	172	214

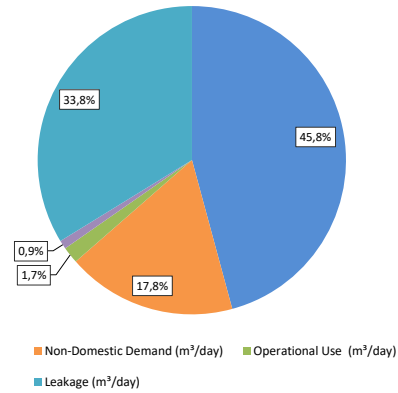
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000316	Ballymacoda WTP	120	100	110	No Licence	115	22Hr	110	-	110	
TOTAL		120	100	110	-	115		110	-	110	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	100	100	110	120	32	35	49	78
2025	100	100	110	120	34	37	51	81
2030	100	100	110	120	36	39	54	84
2035	100	100	110	120	39	42	57	88
2040	100	100	110	120	41	44	60	91
2044	100	100	110	120	43	46	62	94

WRZ CODE	0500SC0042	WRZ Name	Youghal Regional	Study Area	J	Study Group		Local Authority	Cork
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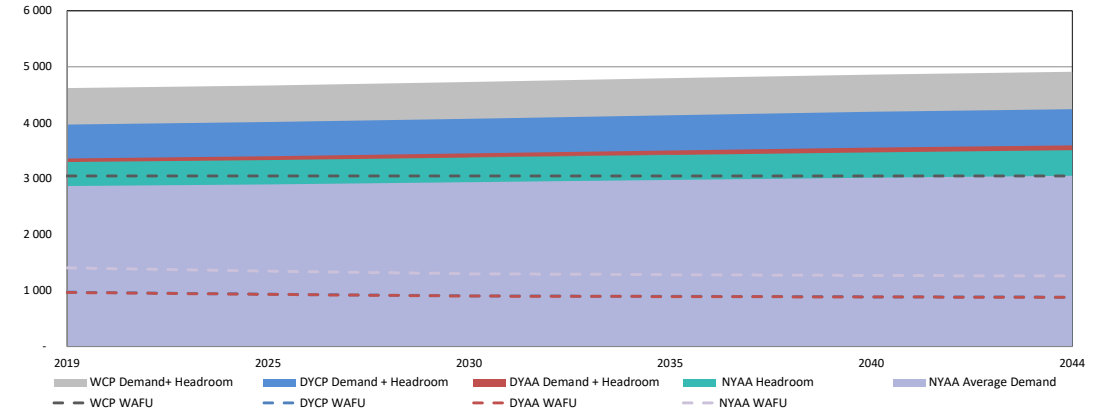
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 313
Non-Domestic Demand (m ³ /day)	512
Operational Use (m ³ /day)	50
Apparent Losses (m ³ /day)	26
Leakage (m ³ /day)	970
Demand (m³/day)	2 870

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 870	430	3 300	3 362	3 967	4 620
2025	2 897	435	3 332	3 399	4 010	4 664
2030	2 938	441	3 378	3 450	4 071	4 730
2035	2 978	447	3 425	3 502	4 133	4 795
2040	3 019	453	3 472	3 555	4 193	4 861
2044	3 052	458	3 509	3 593	4 242	4 913

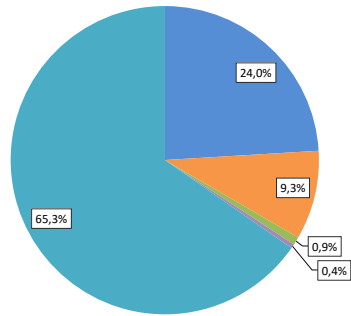
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000288	Ballydasoon WTP	50	42	46	No Licence	69	22Hr	46	-	46	
WTP0000422	Glendine WTP	3 000	2 500	2 750	No Licence	908	Yield	840	-	840	Significant Reduction
TOTAL		3 050	2 542	2 796	-	977		885	-	885	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 409	970	974	3 050	1 892	2 393	2 993	1 570	
2025	1 351	934	938	3 050	1 981	2 465	3 072	1 614	
2030	1 302	905	909	3 050	2 076	2 546	3 163	1 680	
2035	1 288	896	900	3 050	2 137	2 607	3 233	1 745	
2040	1 274	888	892	3 050	2 198	2 667	3 302	1 811	
2044	1 264	881	885	3 050	2 246	2 712	3 357	1 863	

WRZ CODE	0500SC0043	WRZ Name	Inch	Study Area	J	Study Group	Local Authority	Cork
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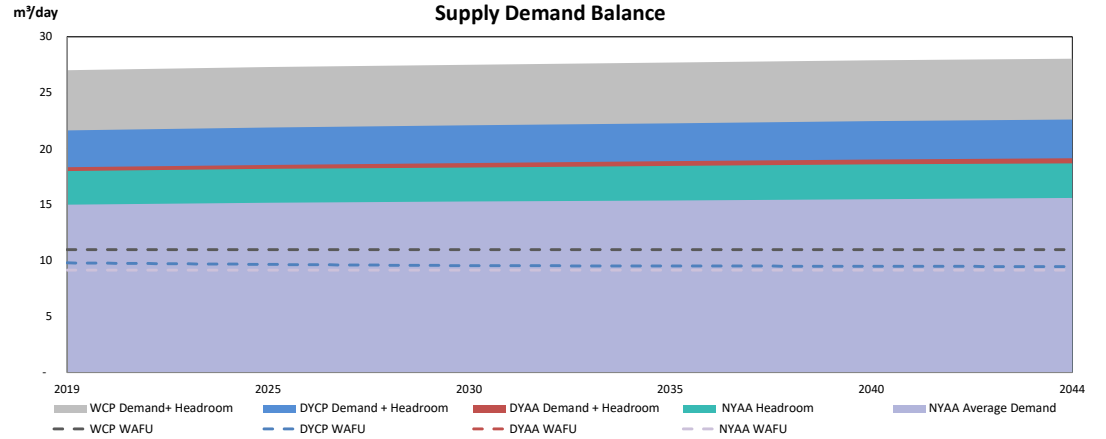
Base Demand in 2019	
Domestic Demand (m ³ /day)	4
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	10
Demand (m³/day)	15

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	15	3	18	18	22	27
2025	15	3	18	19	22	27
2030	15	3	18	19	22	27
2035	15	3	18	19	22	28
2040	15	3	19	19	22	28
2044	16	3	19	19	23	28

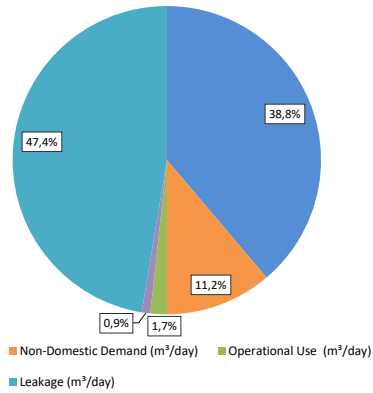
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000529	Inch Cross WTP	11	9	10	No Licence	10	Yield	9	-	9	
TOTAL		11	9	10	-	10		9	-	9	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	9	9	10	11	9	9	12	16
2025	9	9	10	11	9	9	12	16
2030	9	9	10	11	9	10	13	16
2035	9	9	10	11	9	10	13	17
2040	9	9	10	11	9	10	13	17
2044	9	9	9	11	10	10	13	17

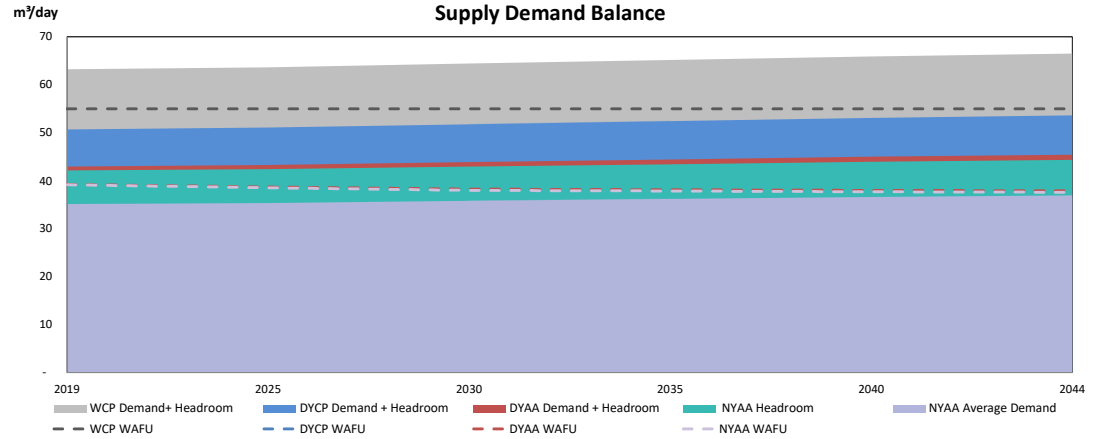
WRZ CODE	0500SC0044	WRZ Name	Dungourney	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	14
Non-Domestic Demand (m ³ /day)	4
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	17
Demand (m³/day)	35

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	35	7	42	43	51	63
2025	35	7	42	43	51	64
2030	36	7	43	44	52	64
2035	36	7	43	44	52	65
2040	37	7	44	45	53	66
2044	37	7	44	45	54	67

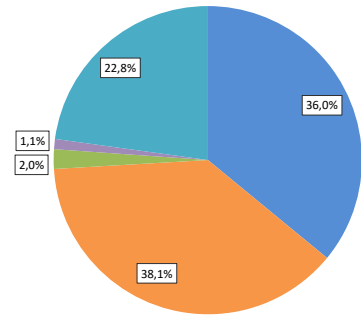
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000373	Dungourney WTP	55	46	50	No Licence	38	Yield	38	-	38	
TOTAL		55	46	50	-	38		38	-	38	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	39	39	39	55	3	4	11	8
2025	39	39	39	55	4	5	12	9
2030	38	38	38	55	5	6	13	9
2035	38	38	38	55	6	6	14	10
2040	38	38	38	55	6	7	15	11
2044	38	38	38	55	7	7	16	12

WRZ CODE	0500SC0046	WRZ Name	Walshtown	Study Area	I	Study Group	Local Authority	Cork
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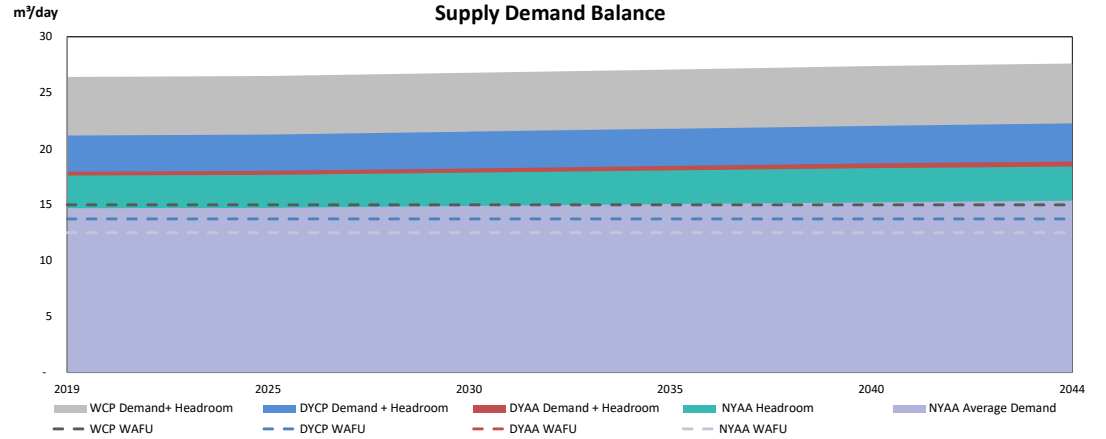
Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	6
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	3
Demand (m³/day)	15

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	15	3	18	18	21	26
2025	15	3	18	18	21	26
2030	15	3	18	18	22	27
2035	15	3	18	18	22	27
2040	15	3	18	19	22	27
2044	15	3	18	19	22	28

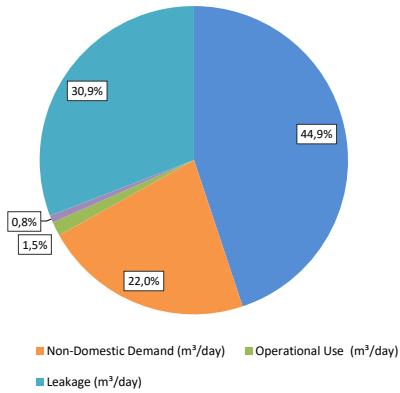
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001210	Walshtown Beg WTP	15	13	14	No Licence	14	22Hr	14	-	14	
TOTAL		15	13	14	-	14		14	-	14	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	13	13	14	15	-	5	-	7
2025	13	13	14	15	-	5	-	8
2030	13	13	14	15	-	5	-	8
2035	13	13	14	15	-	6	-	8
2040	13	13	14	15	-	6	-	8
2044	13	13	14	15	-	6	-	9

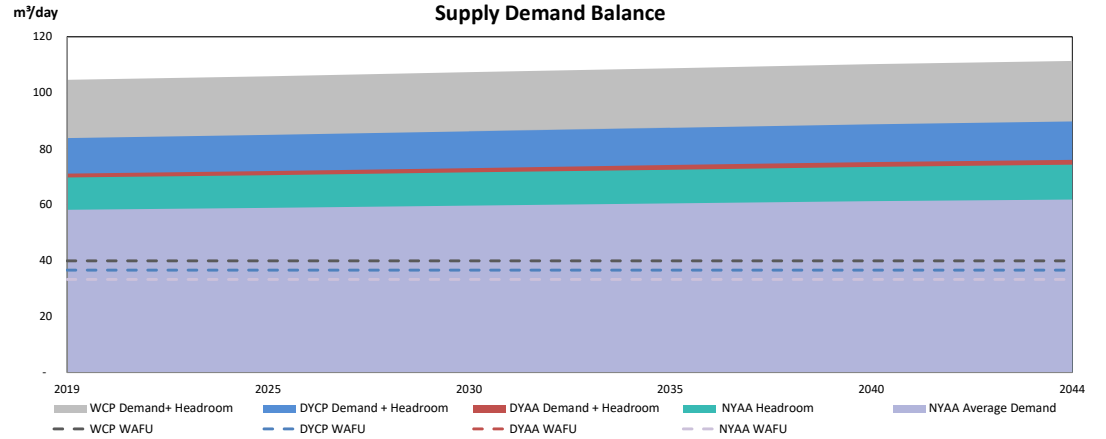
WRZ CODE	0500SC0047	WRZ Name	Corbally	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	26
Non-Domestic Demand (m ³ /day)	13
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	18
Demand (m³/day)	58

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	58	12	70	71	84	105
2025	59	12	71	72	85	106
2030	60	12	72	73	86	107
2035	60	12	73	74	88	109
2040	61	12	73	75	89	110
2044	62	12	74	76	90	111

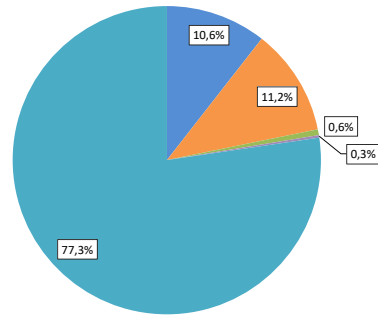
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000572	Corbally WTP	40	33	37	No Licence	38	22Hr	37	-	37	Demand > Safe Production Capacity
TOTAL		40	33	37	-	38		37	-	37	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WAFU (m ³ /day)
2019	33	33	37	40	36	38	47	65	33	33
2025	33	33	37	40	37	39	48	66	33	33
2030	33	33	37	40	38	40	50	67	33	33
2035	33	33	37	40	39	41	51	69	33	33
2040	33	33	37	40	40	42	52	70	33	33
2044	33	33	37	40	41	43	53	71	33	33

WRZ CODE	0500SC0048	WRZ Name	Clash_Leamleara	Study Area	I	Study Group		Local Authority	Cork
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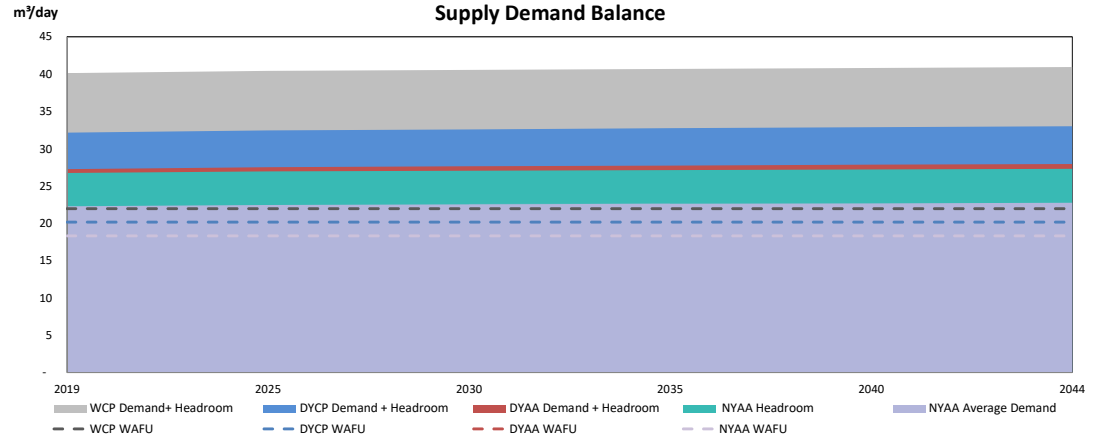
Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	17
Demand (m³/day)	22

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	22	4	27	27	32	40
2025	22	4	27	28	32	40
2030	23	5	27	28	33	41
2035	23	5	27	28	33	41
2040	23	5	27	28	33	41
2044	23	5	27	28	33	41

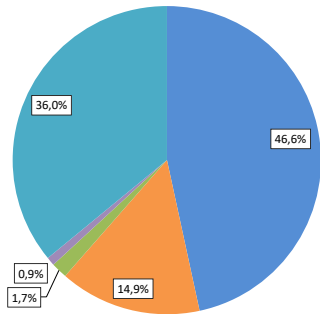
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000518	Clash WTP	22	18	20	No Licence	21	22Hr	20	-	20	
TOTAL		22	18	20	-	21		20	-	20	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	18	18	20	22	8	9	12	18
2025	18	18	20	22	9	9	12	18
2030	18	18	20	22	9	9	12	19
2035	18	18	20	22	9	9	13	19
2040	18	18	20	22	9	10	13	19
2044	18	18	20	22	9	10	13	19

WRZ CODE	0500SC0050	WRZ Name	Carrignavar	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	53
Non-Domestic Demand (m ³ /day)	17
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	41
Demand (m³/day)	113

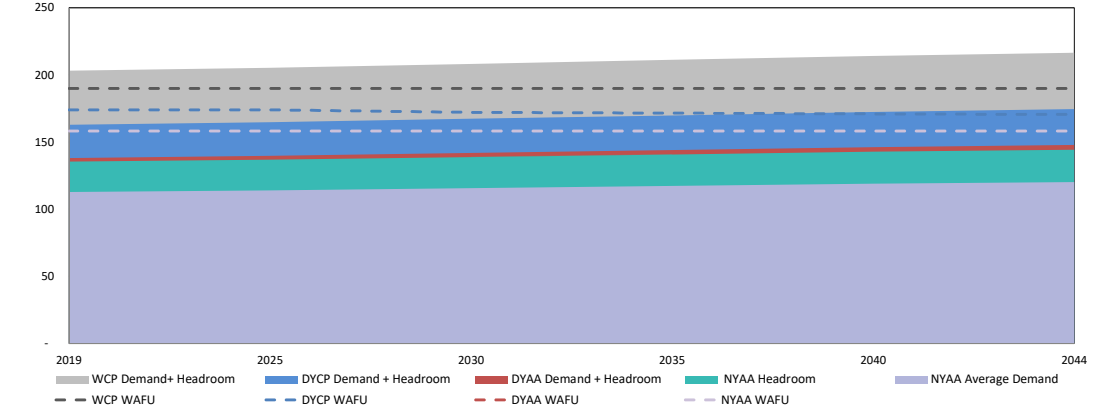
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	113	23	136	138	163	203
2025	114	23	137	140	165	205
2030	116	23	139	142	167	208
2035	117	23	141	144	170	211
2040	119	24	143	146	172	214
2044	120	24	144	148	174	217

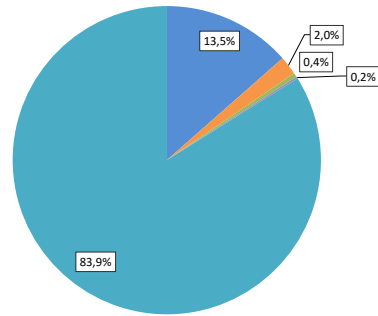
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000351	Carrignavar WTP	190	158	174	No Licence	172	Yield	171	-	171	
TOTAL		190	158	174	-	172		171	-	171	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	158	158	174	190	23	20	11	13
2025	158	158	174	190	21	19	9	15
2030	158	158	172	190	19	16	5	18
2035	158	158	172	190	17	14	2	21
2040	158	158	171	190	16	12	1	24
2044	158	158	171	190	14	11	4	27

WRZ CODE	0500SC0051	WRZ Name	Whitechurch	Study Area	I	Study Group		Local Authority	Cork
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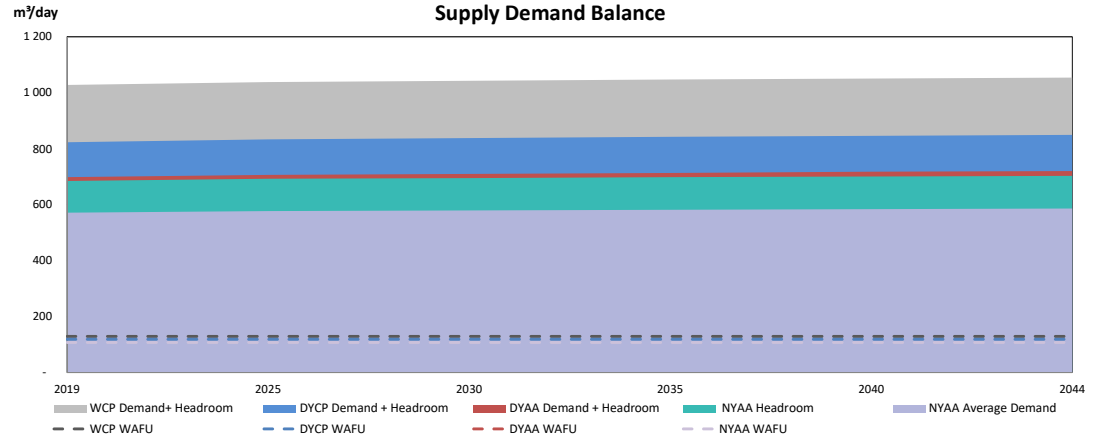
Base Demand in	2019
Domestic Demand (m ³ /day)	77
Non-Domestic Demand (m ³ /day)	11
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	479
Demand (m³/day)	571

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	571	114	685	698	824	1 028
2025	577	115	692	706	833	1 039
2030	579	116	695	710	838	1 043
2035	582	116	698	714	842	1 047
2040	584	117	701	718	847	1 051
2044	586	117	703	720	850	1 055

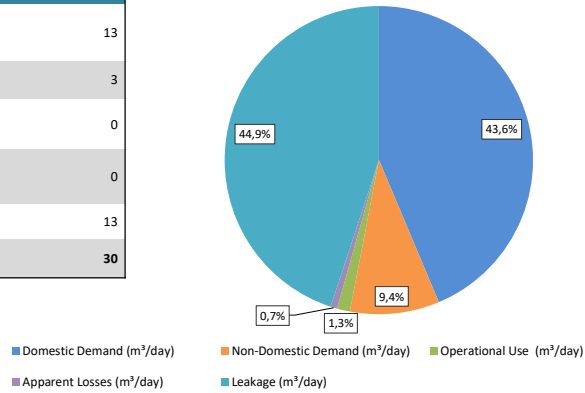
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001216	Whitechurch WTP	130	108	119	No Licence	178	22Hr	119	-	119	Significant Reduction
TOTAL		130	108	119	-	178		119	-	119	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	108	108	119	130	577	590	704	898	
2025	108	108	119	130	584	598	714	909	
2030	108	108	119	130	587	602	719	913	
2035	108	108	119	130	590	605	723	917	
2040	108	108	119	130	593	609	727	921	
2044	108	108	119	130	595	612	731	925	

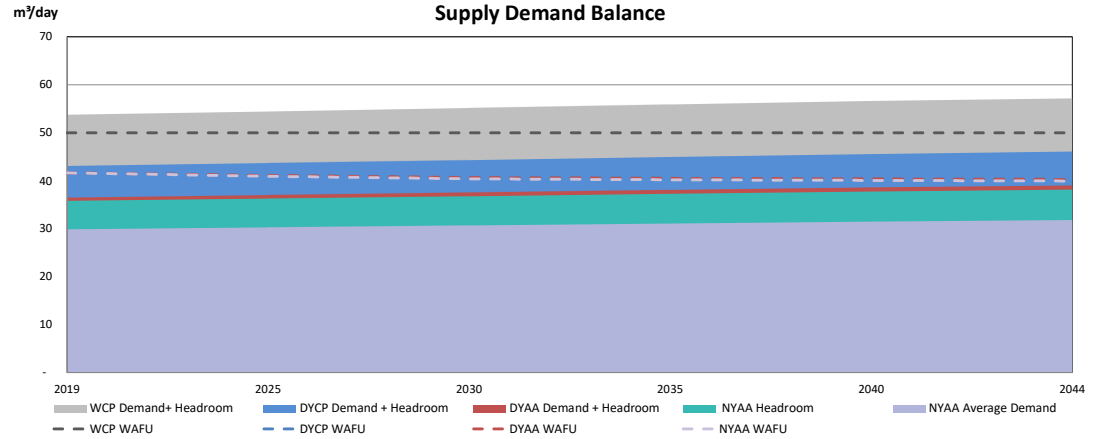
WRZ CODE	0500SC0053	WRZ Name	Stoneview Blarney	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	13
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	13
Demand (m³/day)	30

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	30	6	36	37	43	54
2025	30	6	36	37	44	54
2030	31	6	37	38	44	55
2035	31	6	37	38	45	56
2040	31	6	38	39	46	57
2044	32	6	38	39	46	57

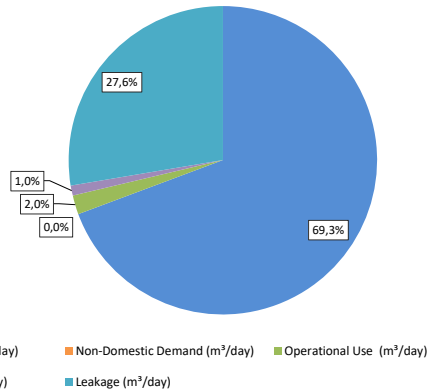
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000766	Stoneview WTP	50	42	46	No Licence	41	Yield	40	-	40	
TOTAL		50	42	46	-	41		40	-	40	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	42	42	42	50	6	5	1	4
2025	41	41	41	50	5	4	3	4
2030	40	41	41	50	4	3	4	5
2035	40	41	41	50	3	2	4	6
2040	40	40	40	50	2	2	5	7
2044	40	40	40	50	2	1	6	7

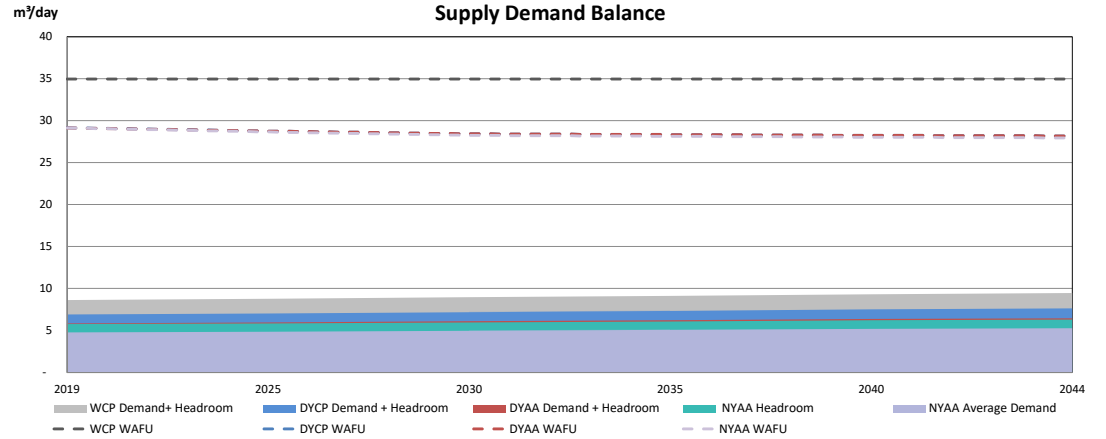
WRZ CODE	0500SC0054	WRZ Name	Vicarstown	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	1
Demand (m³/day)	5

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5	1	6	6	7	9
2025	5	1	6	6	7	9
2030	5	1	6	6	7	9
2035	5	1	6	6	7	9
2040	5	1	6	6	8	9
2044	5	1	6	6	8	9

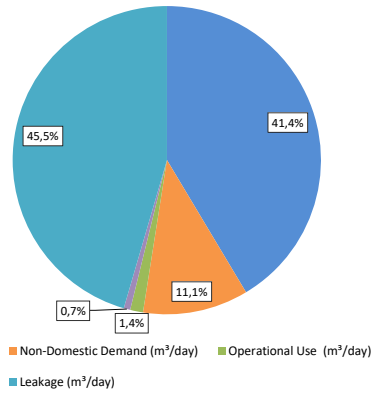
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001203	Vicarstown WTP	35	29	32	No Licence	28	Yield	28	-	28	
TOTAL		35	29	32	-	28		28	-	28	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	29	29	29	35	23	23	22	26
2025	29	29	29	35	23	23	22	26
2030	28	28	28	35	22	22	21	26
2035	28	28	28	35	22	22	21	26
2040	28	28	28	35	22	22	21	26
2044	28	28	28	35	22	22	21	26

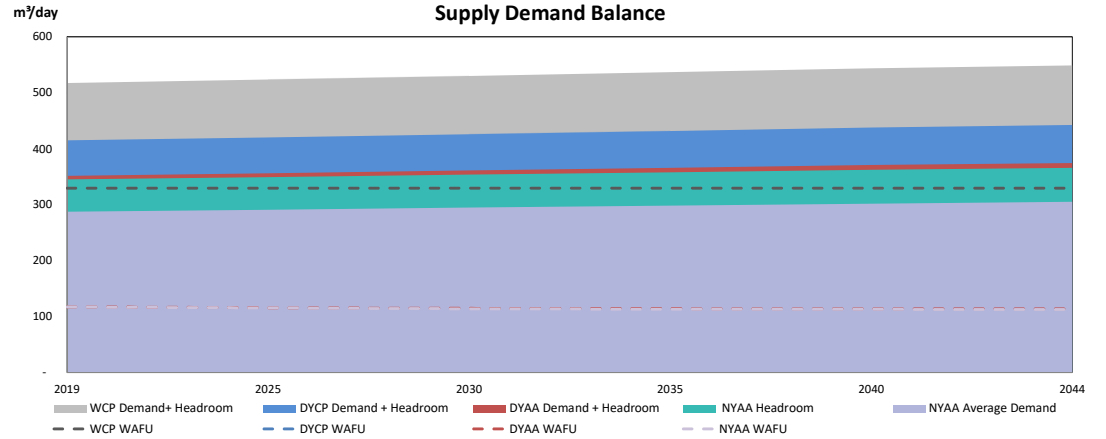
WRZ CODE	0500SC0055	WRZ Name	Grenagh	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	119
Non-Domestic Demand (m ³ /day)	32
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	131
Demand (m³/day)	288

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	288	58	345	352	415	518
2025	291	58	349	356	420	524
2030	295	59	354	361	426	530
2035	298	60	358	366	432	537
2040	302	60	362	371	438	544
2044	305	61	366	375	442	549

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000457	Grenagh WTP Site	330	275	303	No Licence	115	Yield	114	-	114	
TOTAL		330	275	303	-	115		114	-	114	

WAFU

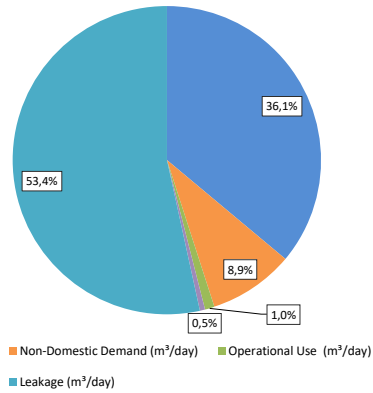
Supply Demand Balance

Year	WAFU			Supply Demand Balance									
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)					
2019	118	118	118	118	330	-	228	-	234	-	297	-	188
2025	116	116	116	116	330	-	233	-	240	-	304	-	194
2030	114	115	115	115	330	-	239	-	246	-	311	-	200
2035	114	114	114	114	330	-	244	-	252	-	317	-	207
2040	113	114	114	114	330	-	249	-	257	-	324	-	214
2044	113	114	114	114	330	-	253	-	261	-	329	-	219

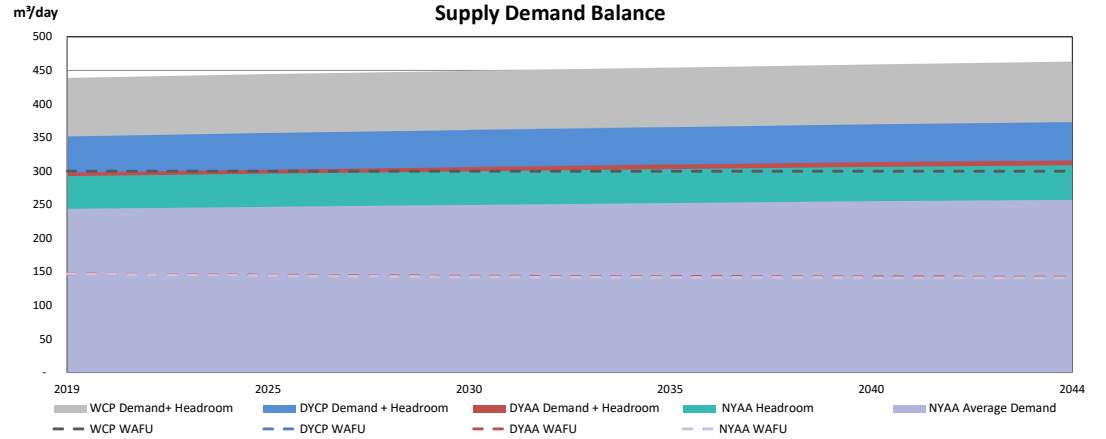
WRZ CODE	0500SC0056	WRZ Name	Bweeng	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	88
Non-Domestic Demand (m ³ /day)	22
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	130
Demand (m³/day)	244

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	244	49	292	298	352	439
2025	247	49	296	302	357	444
2030	250	50	300	306	361	449
2035	252	50	303	310	365	454
2040	255	51	306	313	370	459
2044	257	51	309	316	373	463

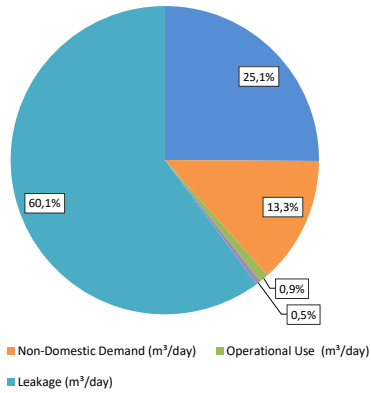
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000331	Bweeng WTP	300	250	275	No Licence	144	Yield	142	-	142	
TOTAL		300	250	275	-	144		142	-	142	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	147	147	147	300	146	151	204	139	146	151	204	139
2025	145	145	145	300	152	157	211	144	152	157	211	144
2030	143	144	144	300	157	162	217	149	157	162	217	149
2035	142	143	143	300	161	167	222	154	161	167	222	154
2040	141	143	143	300	165	171	227	159	165	171	227	159
2044	141	142	142	300	168	174	231	163	168	174	231	163

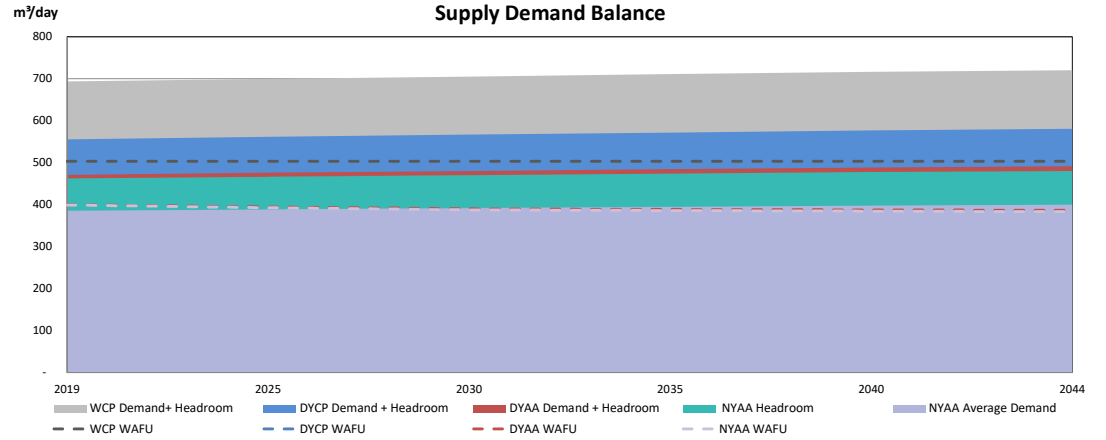
WRZ CODE	0500SC0057	WRZ Name	Donoughmore	Study Area	I	Study Group	Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	97
Non-Domestic Demand (m ³ /day)	51
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	232
Demand (m³/day)	385

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	385	77	462	471	556	693
2025	389	78	467	476	562	700
2030	392	78	470	480	567	706
2035	395	79	474	485	572	711
2040	398	80	478	489	577	716
2044	400	80	480	492	581	721

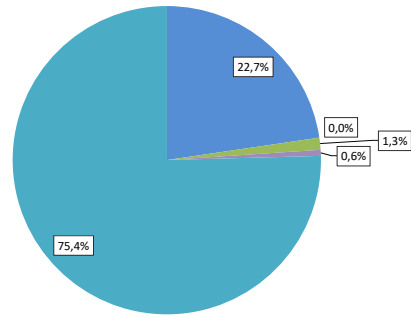
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000623	Donoughmore WTP	504	420	462	No Licence	391	Yield	387	-	387	
TOTAL		504	420	462	-	391		387	-	387	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	400	400	400	504	63	71	155	189	400	400	400
2025	393	395	395	504	73	81	167	196	393	395	395
2030	388	390	390	504	82	90	176	202	388	390	390
2035	386	389	389	504	88	96	183	207	386	389	389
2040	385	388	388	504	93	101	189	212	385	388	388
2044	384	387	387	504	97	105	194	217	384	387	387

WRZ CODE	0500SC0058	WRZ Name	Coolineagh	Study Area	I	Study Group		Local Authority	Cork
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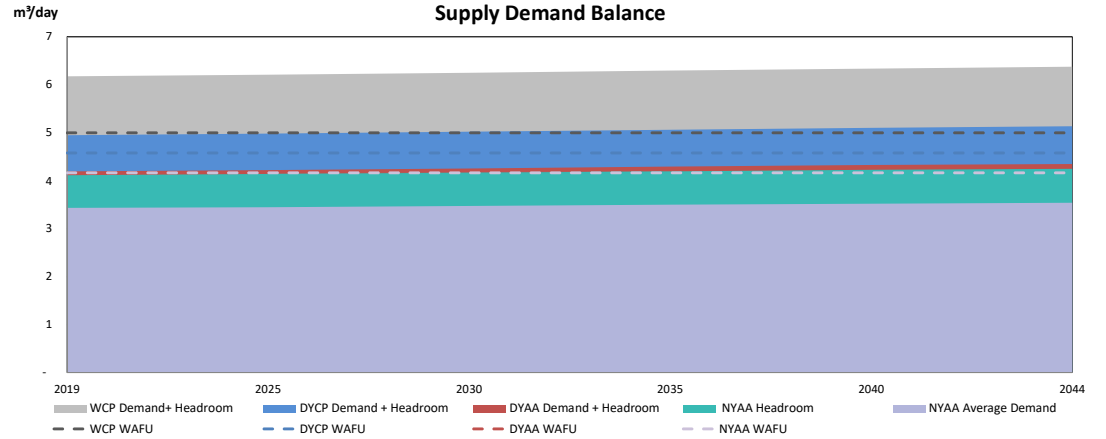
Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	3
Demand (m³/day)	3

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3	1	4	4	5	6
2025	3	1	4	4	5	6
2030	3	1	4	4	5	6
2035	3	1	4	4	5	6
2040	4	1	4	4	5	6
2044	4	1	4	4	5	6

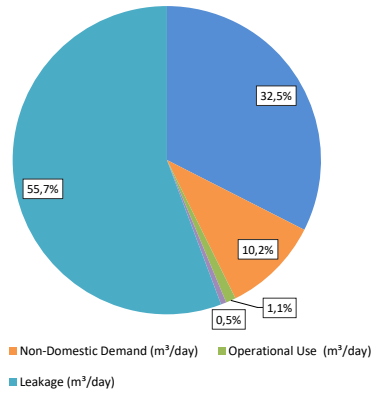
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000565	Coolineagh WTP	5	4	5	No Licence	5	22Hr	5	-	5	
TOTAL		5	4	5	-	5		5	-	5	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	4	4	5	5	0 -	0 -	0 -	1	
2025	4	4	5	5	0 -	0 -	0 -	1	
2030	4	4	5	5	0 -	0 -	0 -	1	
2035	4	4	5	5	0 -	0 -	0 -	1	
2040	4	4	5	5	0 -	0 -	1 -	1	
2044	4	4	5	5	0 -	0 -	1 -	1	

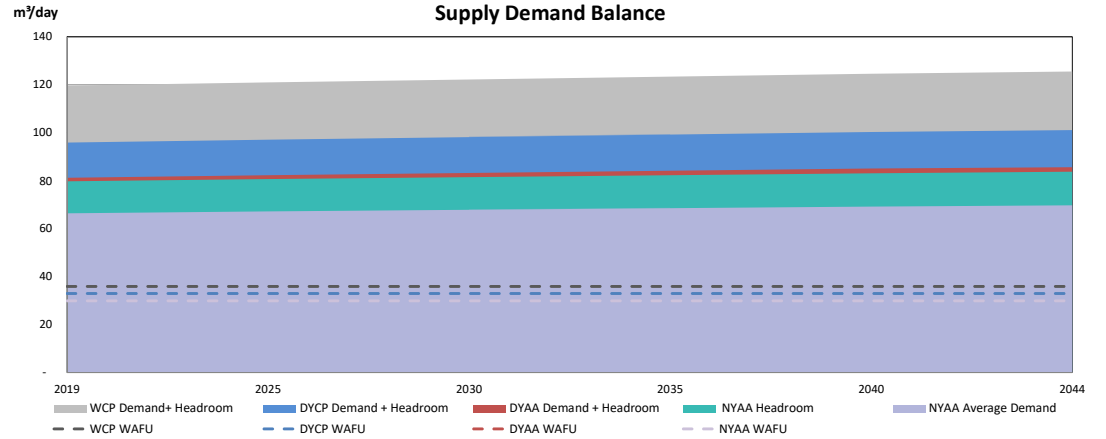
WRZ CODE	0500SC0059	WRZ Name	Aghabullogue	Study Area	I	Study Group	Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	22
Non-Domestic Demand (m ³ /day)	7
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	37
Demand (m³/day)	66

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	66	13	80	81	96	120
2025	67	13	81	82	97	121
2030	68	14	81	83	98	122
2035	69	14	82	84	99	123
2040	69	14	83	85	100	125
2044	70	14	84	86	101	126

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000022	Aghabullogue WTP	36	30	33	No Licence	34	22Hr	33	-	33	
TOTAL		36	30	33	-	34		33	-	33	

WAFU

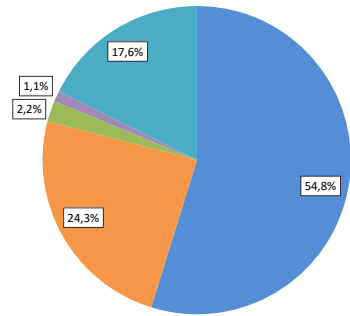
Supply Demand Balance

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	30	30	33	36	50	51	51	63	84
2025	30	30	33	36	51	52	52	64	85
2030	30	30	33	36	51	53	53	65	86
2035	30	30	33	36	52	54	54	66	87
2040	30	30	33	36	53	55	55	67	89
2044	30	30	33	36	54	56	56	68	90

WRZ CODE	0500SC0061	WRZ Name	Carrigleena	Study Area	J	Study Group		Local Authority	Cork
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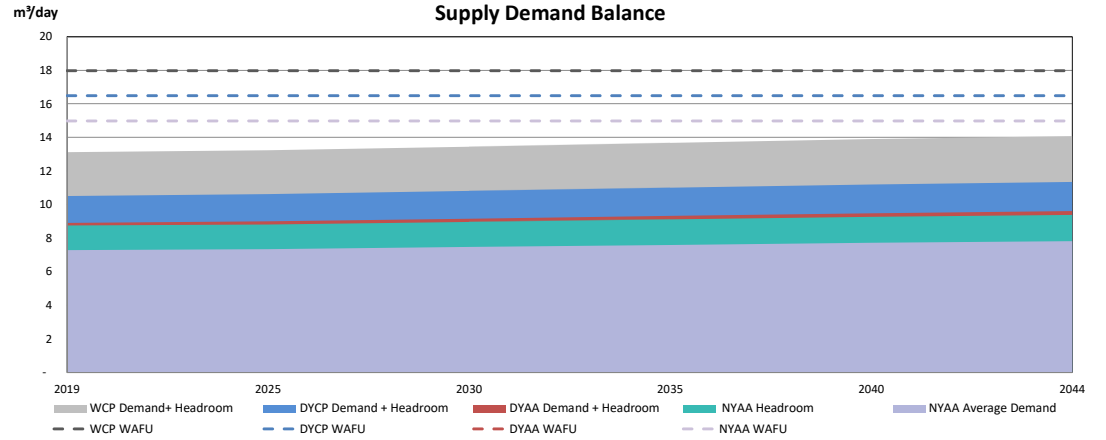
Base Demand in 2019	
Domestic Demand (m ³ /day)	4
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	1
Demand (m³/day)	7

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7	1	9	9	11	13
2025	7	1	9	9	11	13
2030	7	1	9	9	11	13
2035	8	2	9	9	11	14
2040	8	2	9	9	11	14
2044	8	2	9	10	11	14

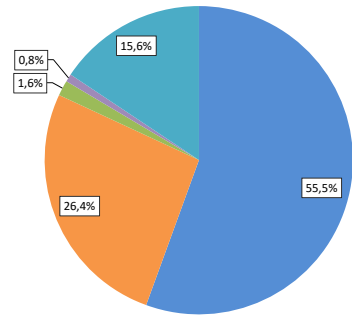
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000359	Carrigleena WTP	18	15	17	No Licence	17	22Hr	17	-	17	
TOTAL		18	15	17	-	17		17	-	17	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	15	15	17	18	6	6	6	5
2025	15	15	17	18	6	6	6	5
2030	15	15	17	18	6	6	6	5
2035	15	15	17	18	6	6	5	4
2040	15	15	17	18	6	6	5	4
2044	15	15	17	18	6	5	5	4

WRZ CODE	0500SC0062	WRZ Name	Monaparson	Study Area	J	Study Group		Local Authority	Cork
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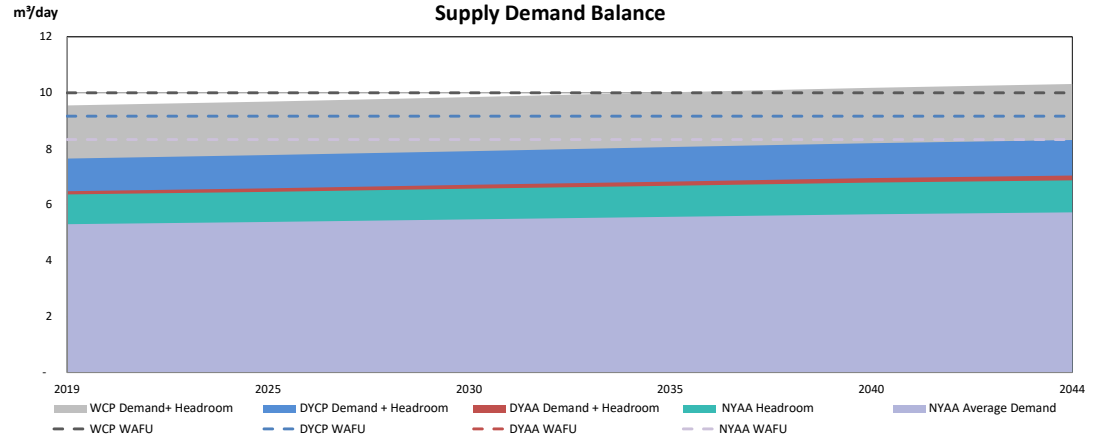
Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	1
Demand (m³/day)	5

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5	1	6	6	8	10
2025	5	1	6	7	8	10
2030	5	1	7	7	8	10
2035	6	1	7	7	8	10
2040	6	1	7	7	8	10
2044	6	1	7	7	8	10

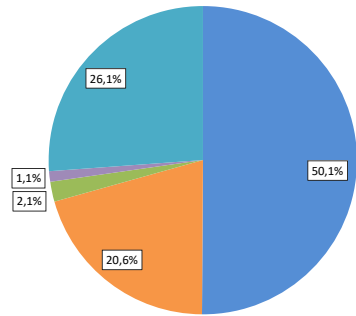
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000229	Monaparson WTP	10	8	9	No Licence	10	22Hr	9	-	9	
TOTAL		10	8	9	-	10		9	-	9	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	8	9	10	2	2	2	0
2025	8	8	9	10	2	2	1	0
2030	8	8	9	10	2	2	1	0
2035	8	8	9	10	2	2	1 -	0
2040	8	8	9	10	2	1	1 -	0
2044	8	8	9	10	1	1	1 -	0

WRZ CODE	0500SC0063	WRZ Name	Burnfort	Study Area	J	Study Group		Local Authority	Cork
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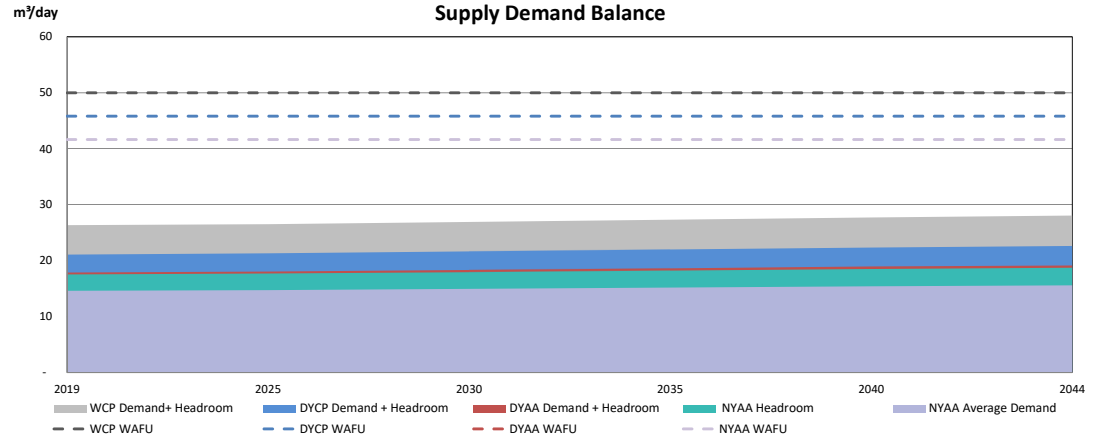
Base Demand in 2019	
Domestic Demand (m ³ /day)	7
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	4
Demand (m³/day)	15

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	15	3	18	18	21	26
2025	15	3	18	18	21	27
2030	15	3	18	18	22	27
2035	15	3	18	19	22	27
2040	15	3	18	19	22	28
2044	16	3	19	19	23	28

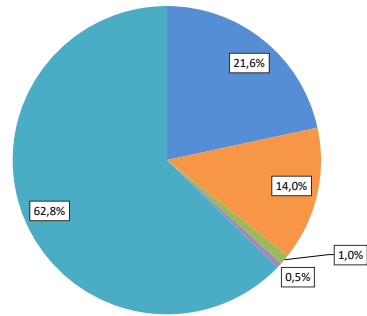
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000328	Burnfort WTP	50	42	46	No Licence	48	22Hr	46	-	46	
TOTAL		50	42	46	-	48		46	-	46	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	42	42	46	50	24	24	25	24
2025	42	42	46	50	24	24	25	23
2030	42	42	46	50	24	23	24	23
2035	42	42	46	50	23	23	24	23
2040	42	42	46	50	23	23	23	22
2044	42	42	46	50	23	23	23	22

WRZ CODE	0500SC0064	WRZ Name	Monee & Knockabrack	Study Area	J	Study Group		Local Authority	Cork
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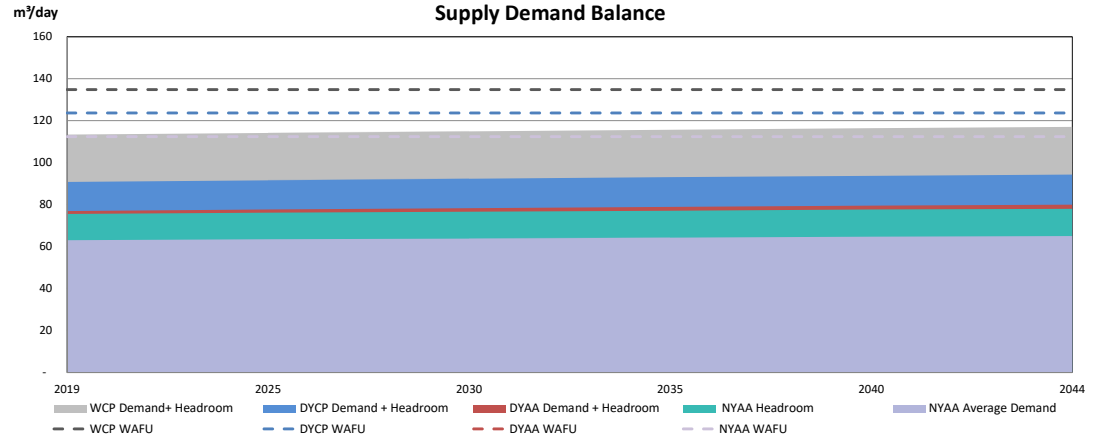
Base Demand in 2019	
Domestic Demand (m ³ /day)	14
Non-Domestic Demand (m ³ /day)	9
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	40
Demand (m³/day)	63

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	63	13	76	77	91	113
2025	63	13	76	78	92	114
2030	64	13	77	78	92	115
2035	64	13	77	79	93	116
2040	65	13	78	80	94	117
2044	65	13	78	80	94	117

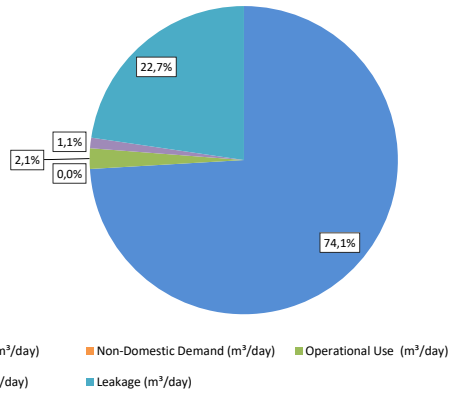
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001154	Knockbrack WTP	35	29	32	No Licence	34	22Hr	32	-	32	
WTP0000230	Monee WTP	100	83	92	No Licence	96	22Hr	92	-	92	
TOTAL		135	113	124	-	129		124	-	124	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	113	113	124	135	37	35	33	22
2025	113	113	124	135	36	35	32	21
2030	113	113	124	135	36	34	31	20
2035	113	113	124	135	35	34	31	19
2040	113	113	124	135	35	33	30	18
2044	113	113	124	135	34	33	29	18

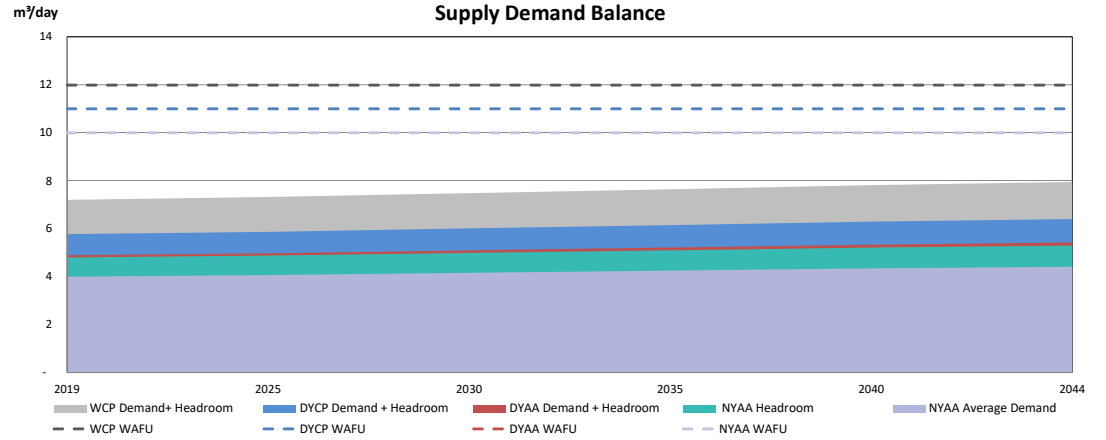
WRZ CODE	0500SC0065	WRZ Name	Ballinamona	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	1
Demand (m³/day)	4

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4	1	5	5	6	7
2025	4	1	5	5	6	7
2030	4	1	5	5	6	7
2035	4	1	5	5	6	8
2040	4	1	5	5	6	8
2044	4	1	5	5	6	8

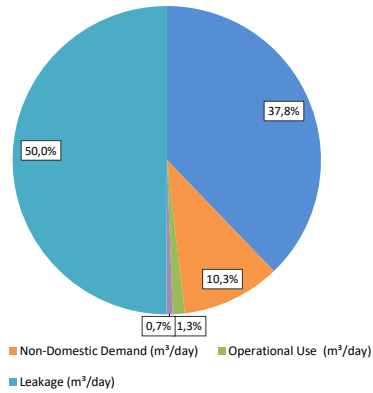
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000270	Ballynamona WTP	12	10	11	No Licence	11	22Hr	11	-	11	
TOTAL		12	10	11	-	11		11	-	11	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	10	11	12	5	5	5	5
2025	10	10	11	12	5	5	5	5
2030	10	10	11	12	5	5	5	5
2035	10	10	11	12	5	5	5	4
2040	10	10	11	12	5	5	5	4
2044	10	10	11	12	5	5	5	4

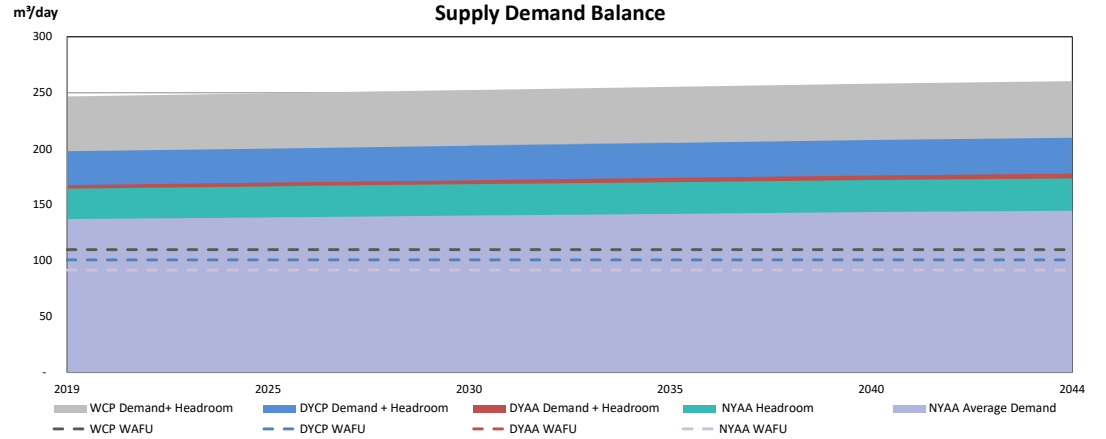
WRZ CODE	0500SC0066	WRZ Name	Lyre	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	52
Non-Domestic Demand (m ³ /day)	14
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	68
Demand (m³/day)	137

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	137	27	164	168	198	247
2025	139	28	166	170	200	249
2030	140	28	168	172	203	252
2035	142	28	170	174	205	255
2040	143	29	172	176	208	258
2044	145	29	174	178	210	260

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000138	Lyre WTP	110	92	101	No Licence	211	22Hr	101	-	101	
TOTAL		110	92	101	-	211		101	-	101	

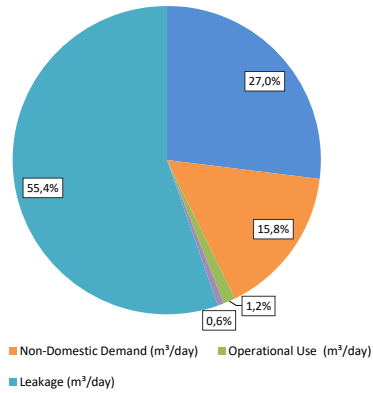
Supply Demand Balance

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	Demand
2019	92	92	101	110	73	76	97	137	27	137
2025	92	92	101	110	75	78	99	139	28	139
2030	92	92	101	110	77	80	102	142	28	142
2035	92	92	101	110	78	82	104	145	28	145
2040	92	92	101	110	80	85	107	148	29	148
2044	92	92	101	110	82	86	109	150	29	150

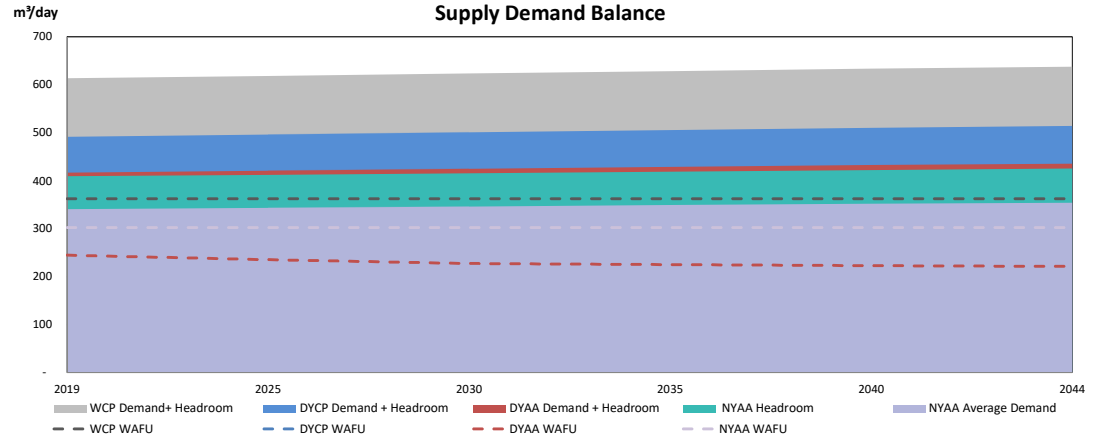
WRZ CODE	0500SC0068	WRZ Name	Glengarriff	Study Area	I	Study Group	Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	92
Non-Domestic Demand (m ³ /day)	54
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	189
Demand (m³/day)	341

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	341	68	409	417	492	614
2025	344	69	412	421	496	618
2030	346	69	416	424	501	623
2035	349	70	419	428	506	629
2040	352	70	422	433	510	634
2044	354	71	425	435	514	638

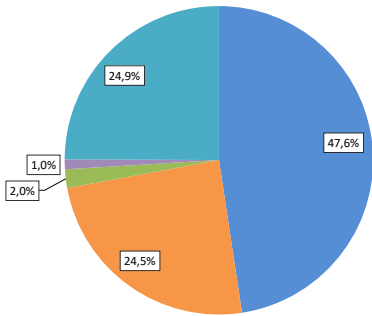
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000433	Glengarriff WTP	363	303	333	No Licence	228	Yield	222	-	222	Critical - Low Flow Intervention
TOTAL		363	303	333	-	228		222	-	222	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	303	245	245	363	107	172	247	251	107	172	247	251
2025	303	236	236	363	110	185	261	255	110	185	261	255
2030	303	228	228	363	113	197	273	260	113	197	273	260
2035	303	225	225	363	117	203	280	266	117	203	280	266
2040	303	223	223	363	120	209	287	271	120	209	287	271
2044	303	222	222	363	123	214	292	275	123	214	292	275

WRZ CODE	0500SC0069	WRZ Name	Croterra	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	10
Non-Domestic Demand (m ³ /day)	5
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	5
Demand (m³/day)	20

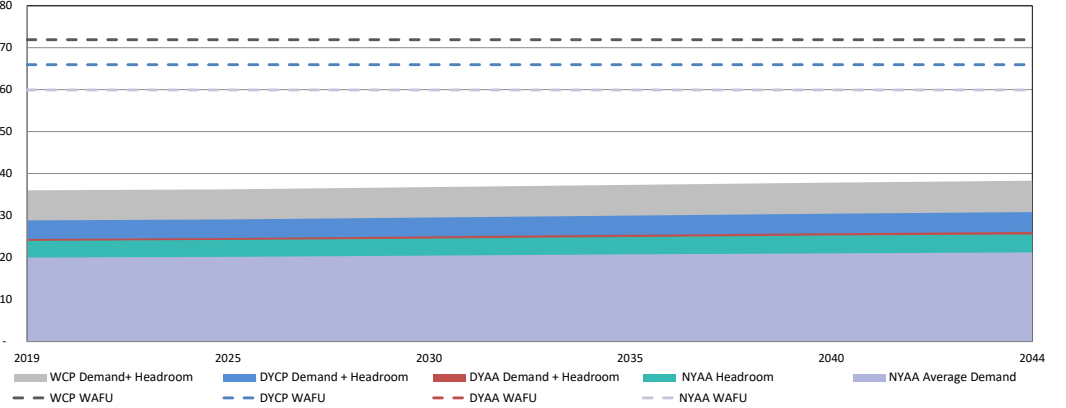
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	20	4	24	24	29	36
2025	20	4	24	25	29	36
2030	20	4	25	25	30	37
2035	21	4	25	25	30	37
2040	21	4	25	26	30	38
2044	21	4	26	26	31	38

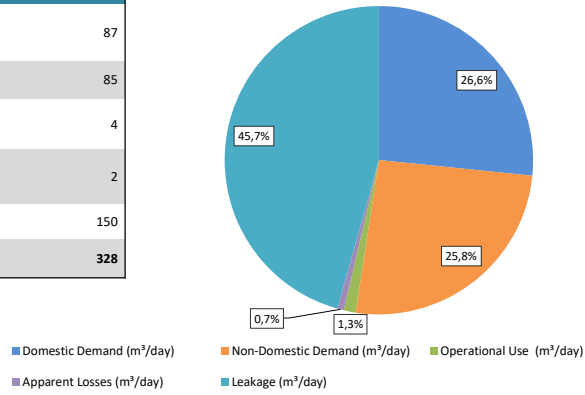
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000595	Croterra WTP	72	60	66	No Licence	2 605	22Hr	66	-	66	
TOTAL		72	60	66	-	2 605		66	-	66	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	60	60	66	72	36	36	37	36
2025	60	60	66	72	36	35	37	36
2030	60	60	66	72	35	35	36	35
2035	60	60	66	72	35	35	36	35
2040	60	60	66	72	35	34	36	34
2044	60	60	66	72	34	34	35	34

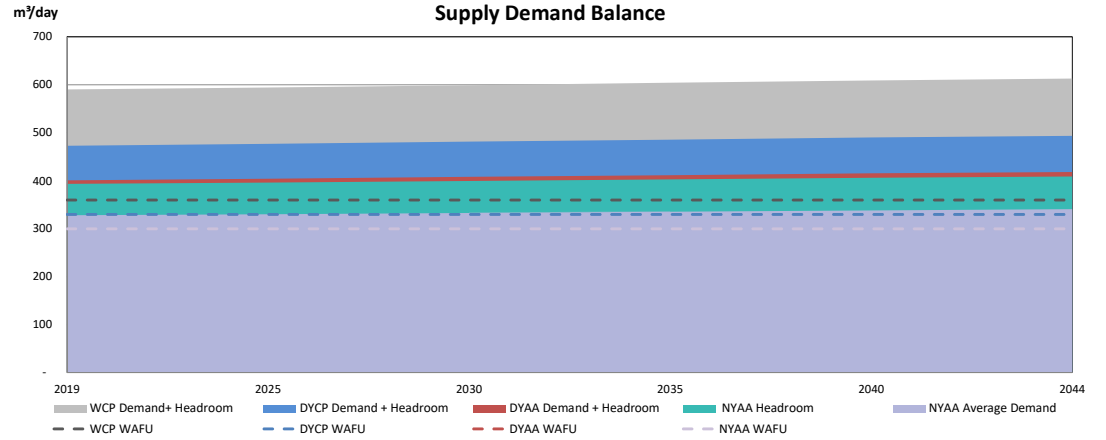
WRZ CODE	0500SC0070	WRZ Name	Ballymakeera	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	87
Non-Domestic Demand (m ³ /day)	85
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	150
Demand (m³/day)	328

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	328	66	393	401	473	590
2025	330	66	396	404	477	594
2030	333	67	399	408	481	599
2035	336	67	403	412	486	604
2040	338	68	406	416	490	609
2044	340	68	409	418	494	613

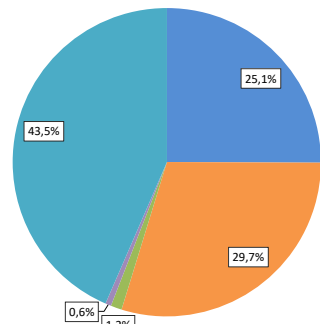
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000263	Ballymakeera WTP	360	300	330	No Licence	345	22Hr	330	-	330	Issue Capacity / Yield (Unknown)
TOTAL		360	300	330	-	345		330	-	330	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	300	300	330	360	93	101	143	230	-	-	-	-
2025	300	300	330	360	96	104	147	234	-	-	-	-
2030	300	300	330	360	99	108	151	239	-	-	-	-
2035	300	300	330	360	103	112	156	244	-	-	-	-
2040	300	300	330	360	106	116	160	249	-	-	-	-
2044	300	300	330	360	109	118	164	253	-	-	-	-

WRZ CODE	0500SC0071	WRZ Name	Clondrohid	Study Area	I	Study Group	Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	19
Non-Domestic Demand (m ³ /day)	23
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	34
Demand (m³/day)	77

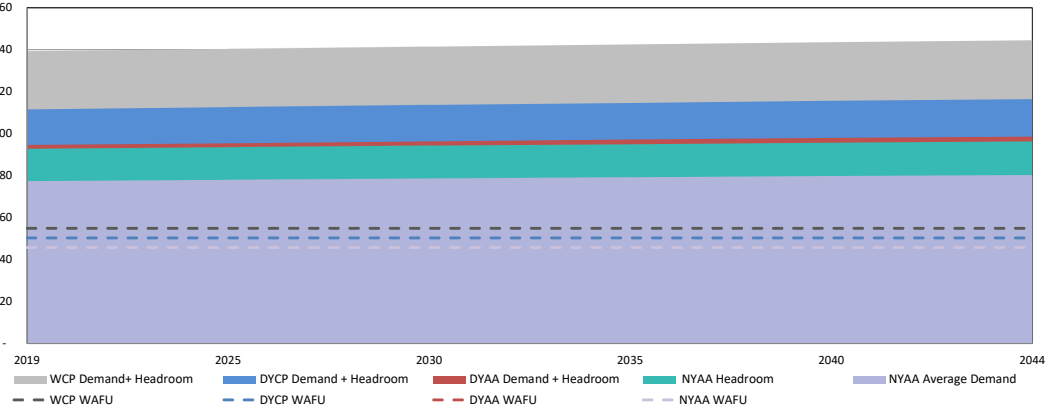
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	77	15	93	95	112	139
2025	78	16	94	95	113	140
2030	79	16	94	96	114	141
2035	79	16	95	97	115	143
2040	80	16	96	98	116	144
2044	80	16	96	99	116	145

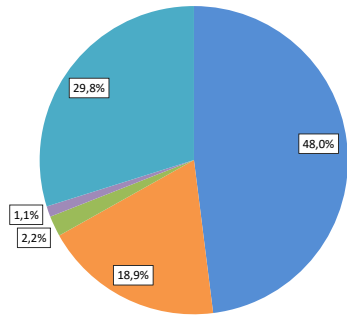
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000586	Clondrohid WTP	55	46	50	No Licence	53	22Hr	50	-	50	
TOTAL		55	46	50	-	53		50	-	50	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	46	46	50	55	47	49	61	84	46	46	50	55
2025	46	46	50	55	48	50	62	85	46	46	50	55
2030	46	46	50	55	48	50	63	86	46	46	50	55
2035	46	46	50	55	49	51	64	88	46	46	50	55
2040	46	46	50	55	50	52	65	89	46	46	50	55
2044	46	46	50	55	51	53	66	90	46	46	50	55

WRZ CODE	0500SC0073	WRZ Name	Ballinagree	Study Area	I	Study Group		Local Authority	Cork
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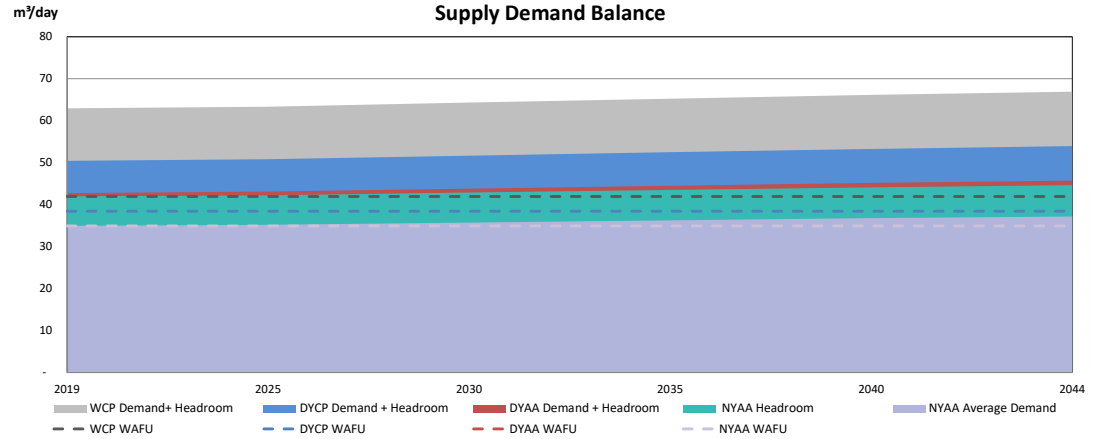
Base Demand in 2019	
Domestic Demand (m ³ /day)	17
Non-Domestic Demand (m ³ /day)	7
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	10
Demand (m³/day)	35

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	35	7	42	43	50	63
2025	35	7	42	43	51	63
2030	36	7	43	44	52	64
2035	36	7	44	44	52	65
2040	37	7	44	45	53	66
2044	37	7	45	46	54	67

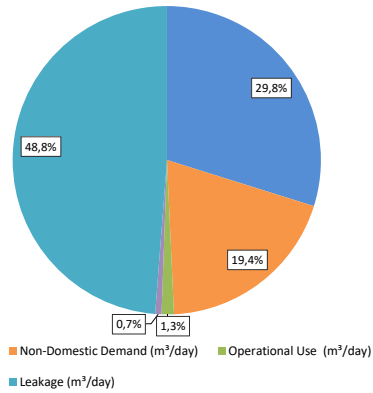
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000124	Ballinagree WTP	42	35	39	No Licence	40	22Hr	39	-	39	
TOTAL		42	35	39	-	40		39	-	39	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	35	35	39	42	7	8	12	21	
2025	35	35	39	42	7	8	12	21	
2030	35	35	39	42	8	9	13	22	
2035	35	35	39	42	9	9	14	23	
2040	35	35	39	42	9	10	15	24	
2044	35	35	39	42	10	11	15	25	

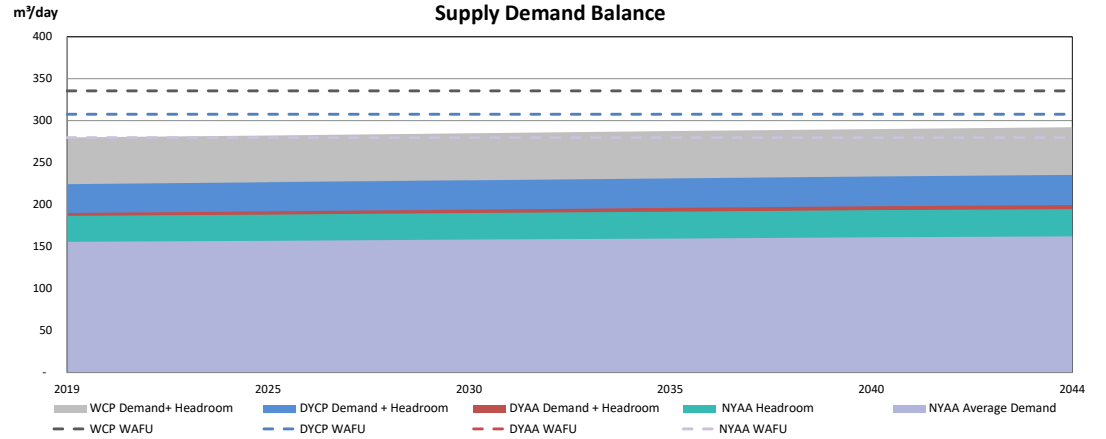
WRZ CODE	0500SC0074	WRZ Name	Rylane	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	46
Non-Domestic Demand (m ³ /day)	30
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	76
Demand (m³/day)	156

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	156	31	187	190	225	280
2025	157	31	188	192	227	282
2030	158	32	190	194	229	285
2035	160	32	192	196	231	288
2040	161	32	193	198	234	290
2044	162	32	195	199	235	292

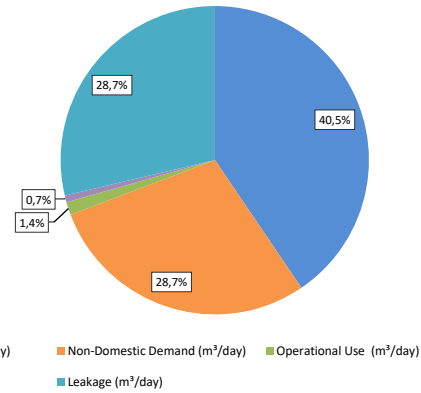
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000013	Rylane Cross WTP Borehole 2	168	140	154	No Licence	161	22Hr	154	-	154	
WTP0000746	Rylane Cross WTP Borehole 1	168	140	154	No Licence	322	22Hr	154	-	154	
TOTAL		336	280	308	-	483		308	-	308	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	280	280	308	336	93	90	83	56
2025	280	280	308	336	92	88	81	54
2030	280	280	308	336	90	86	79	51
2035	280	280	308	336	88	84	77	48
2040	280	280	308	336	87	82	74	46
2044	280	280	308	336	85	81	73	44

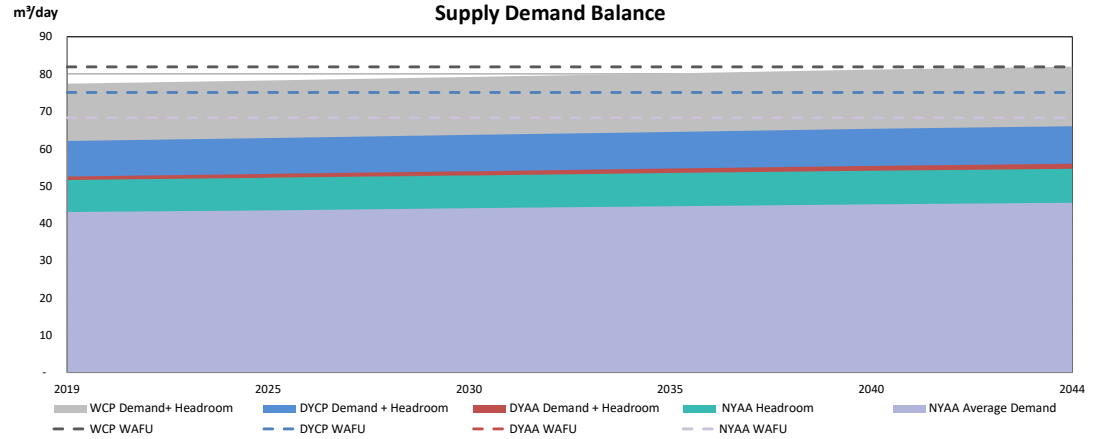
WRZ CODE	0500SC0075	WRZ Name	Kilcorney	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	17
Non-Domestic Demand (m ³ /day)	12
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	12
Demand (m³/day)	43

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	43	9	52	53	62	77
2025	43	9	52	53	63	78
2030	44	9	53	54	64	79
2035	45	9	53	55	65	80
2040	45	9	54	55	65	81
2044	46	9	55	56	66	82

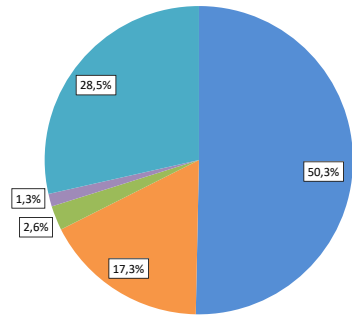
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001093	Kilcorney WTP	82	68	75	No Licence	79	22Hr	75	-	75	
TOTAL		82	68	75	-	79		75	-	75	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	68	68	75	82	17	16	13	5
2025	68	68	75	82	16	15	12	4
2030	68	68	75	82	15	14	11	3
2035	68	68	75	82	15	14	11	2
2040	68	68	75	82	14	13	10	1
2044	68	68	75	82	14	12	9	0

WRZ CODE	0500SC0076	WRZ Name	Glenleigh	Study Area	J	Study Group		Local Authority	Cork
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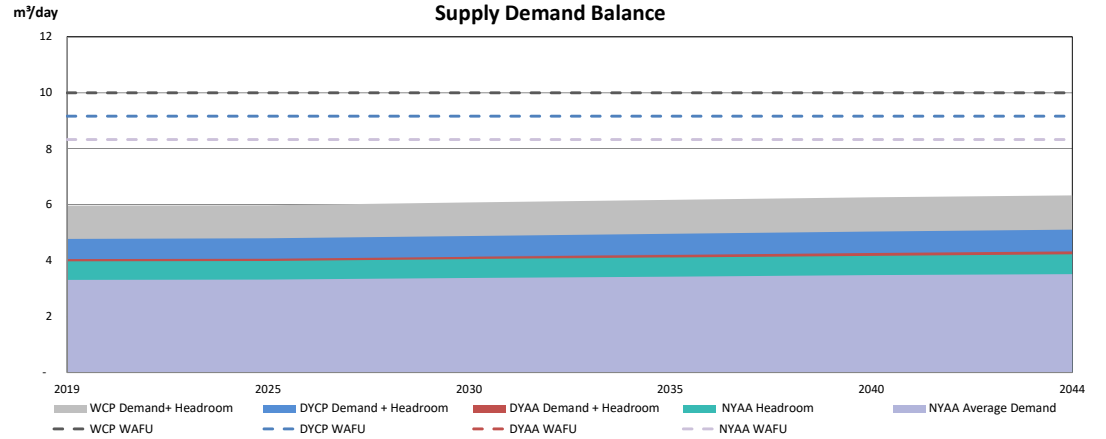
Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	1
Demand (m³/day)	3

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3	1	4	4	5	6
2025	3	1	4	4	5	6
2030	3	1	4	4	5	6
2035	3	1	4	4	5	6
2040	3	1	4	4	5	6
2044	4	1	4	4	5	6

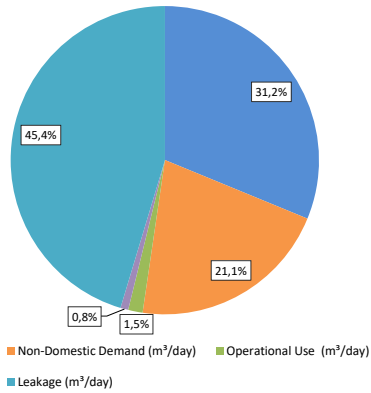
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000426	Glenleigh WTP	10	8	9	No Licence	10	22Hr	9	-	9	
TOTAL		10	8	9	-	10		9	-	9	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	8	9	10	4	4	4	4
2025	8	8	9	10	4	4	4	4
2030	8	8	9	10	4	4	4	4
2035	8	8	9	10	4	4	4	4
2040	8	8	9	10	4	4	4	4
2044	8	8	9	10	4	4	4	4

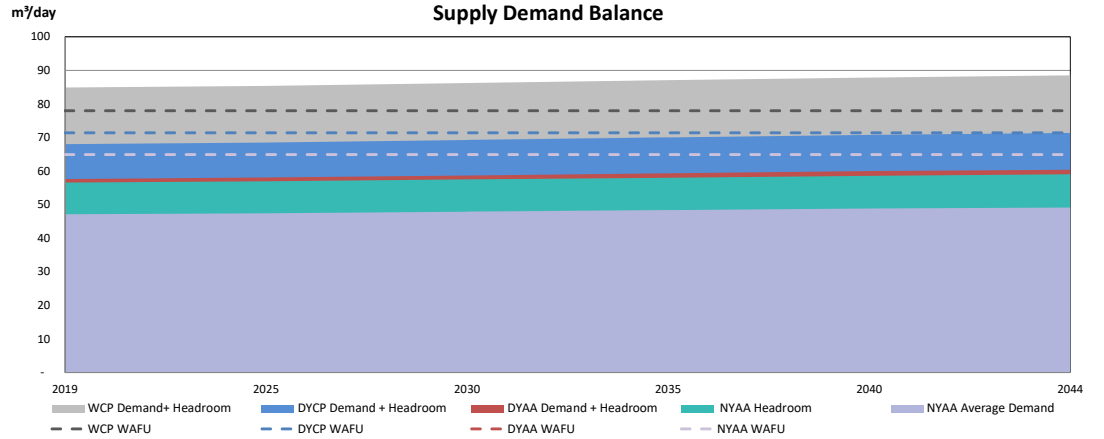
WRZ CODE	0500SC0078	WRZ Name	Kilnamartyra	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	15
Non-Domestic Demand (m ³ /day)	10
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	21
Demand (m³/day)	47

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	47	9	57	58	68	85
2025	47	9	57	58	69	85
2030	48	10	57	59	69	86
2035	48	10	58	59	70	87
2040	49	10	59	60	71	88
2044	49	10	59	60	71	89

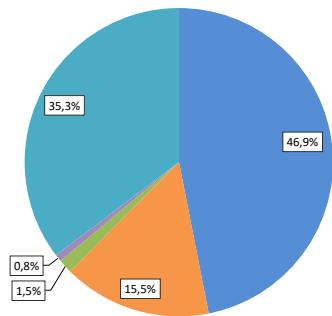
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001131	Kilnamartyra WTP	78	65	72	No Licence	75	22Hr	72	-	72	
TOTAL		78	65	72	-	75		72	-	72	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	65	65	72	78	8	7	3	7
2025	65	65	72	78	8	7	3	7
2030	65	65	72	78	8	6	2	8
2035	65	65	72	78	7	6	1	9
2040	65	65	72	78	6	5	1	10
2044	65	65	72	78	6	5	0	11

WRZ CODE	0500SC0079	WRZ Name	Kilmurray_Clonmacow	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	37
Non-Domestic Demand (m ³ /day)	12
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	28
Demand (m³/day)	79

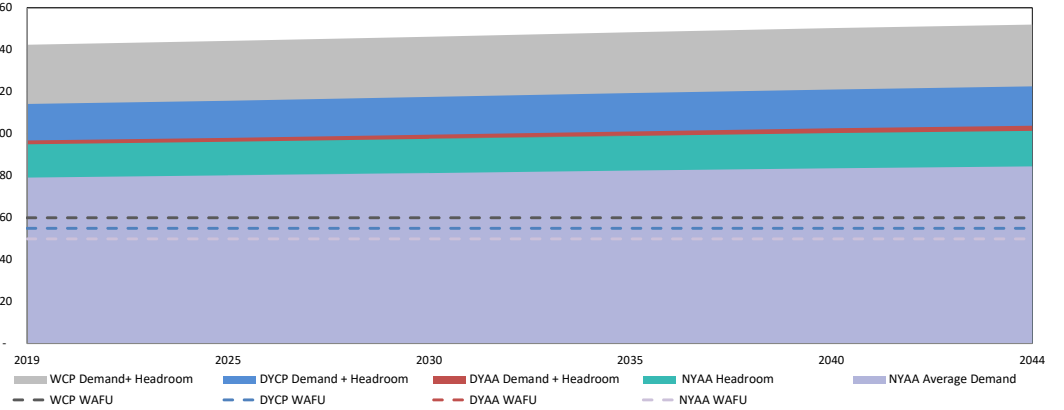
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	79	16	95	97	114	142
2025	80	16	96	98	116	144
2030	81	16	98	100	118	146
2035	82	16	99	101	119	148
2040	84	17	100	103	121	150
2044	84	17	101	104	123	152

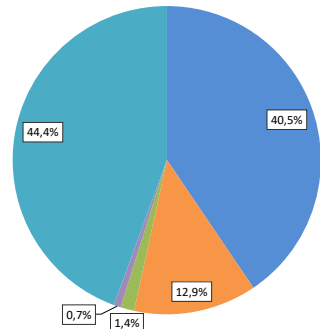
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001125	Kilmurry WTP 1	60	50	55	No Licence	57	22Hr	55	-	55	
TOTAL		60	50	55	-	57		55	-	55	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	50	50	55	60	45	47	59	82
2025	50	50	55	60	46	48	61	84
2030	50	50	55	60	48	50	63	86
2035	50	50	55	60	49	51	64	88
2040	50	50	55	60	50	53	66	90
2044	50	50	55	60	51	54	68	92

WRZ CODE	0500SC0080	WRZ Name	Crookstown	Study Area	I	Study Group		Local Authority	Cork
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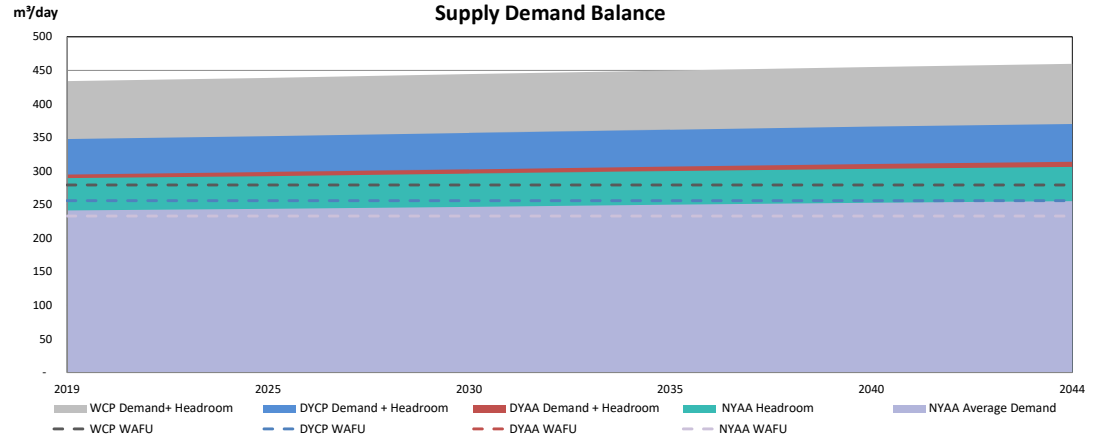
Base Demand in	2019
Domestic Demand (m ³ /day)	98
Non-Domestic Demand (m ³ /day)	31
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	107
Demand (m³/day)	241

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	241	48	289	295	348	434
2025	244	49	293	298	352	439
2030	247	49	296	303	357	444
2035	250	50	300	307	362	450
2040	253	51	303	311	367	455
2044	255	51	306	314	370	460

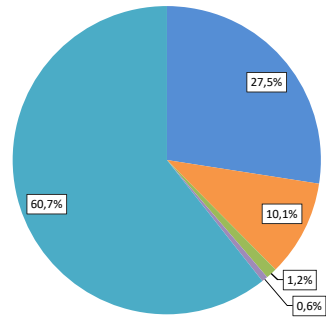
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000633	Parkmore WTP	12	10	11	No Licence	11	22Hr	11	-	11	
WTP0000298	Belmont WTP	268	223	245	No Licence	297	22Hr	245	-	245	
TOTAL		280	233	256	-	308		256	-	256	

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU	
2019	233	233	256	280	-	56	-	62	-	92	154
2025	233	233	256	280	-	59	-	65	-	96	159
2030	233	233	256	280	-	63	-	69	-	101	165
2035	233	233	256	280	-	67	-	74	-	105	170
2040	233	233	256	280	-	70	-	78	-	110	175
2044	233	233	256	280	-	73	-	81	-	114	180

WRZ CODE	0500SC0081	WRZ Name	Templemartin & Garranes	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	6
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	14
Demand (m³/day)	24

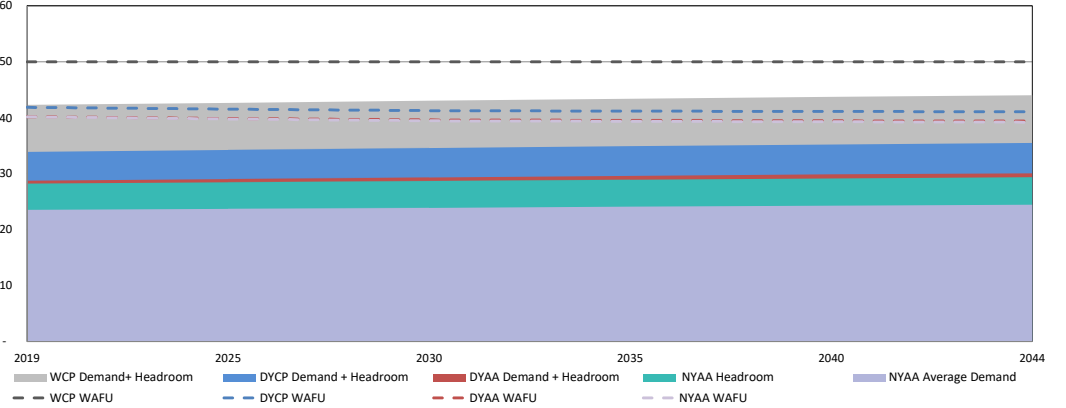
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	24	5	28	29	34	42
2025	24	5	28	29	34	43
2030	24	5	29	29	35	43
2035	24	5	29	30	35	43
2040	24	5	29	30	35	44
2044	24	5	29	30	35	44

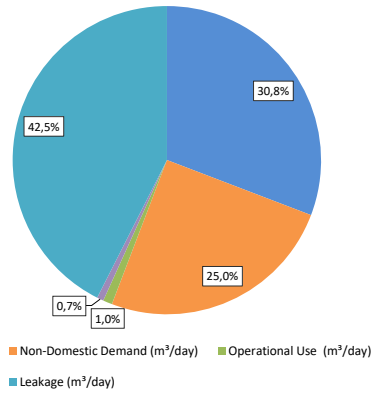
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000411	Garranes WTP	20	17	18	No Licence	19	22Hr	18	-	18	
WTP0000736	Templemartin WTP	30	25	28	No Licence	23	Yield	23	-	23	
TOTAL		50	42	46	-	42		41	-	41	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	40	40	42	50	12	11	8	8
2025	40	40	42	50	11	11	7	7
2030	39	40	41	50	11	10	7	7
2035	39	40	41	50	10	10	6	7
2040	39	39	41	50	10	10	6	6
2044	39	39	41	50	10	9	6	6

WRZ CODE	0500SC0082	WRZ Name	Cork City	Study Area	I	Study Group		Local Authority	Cork
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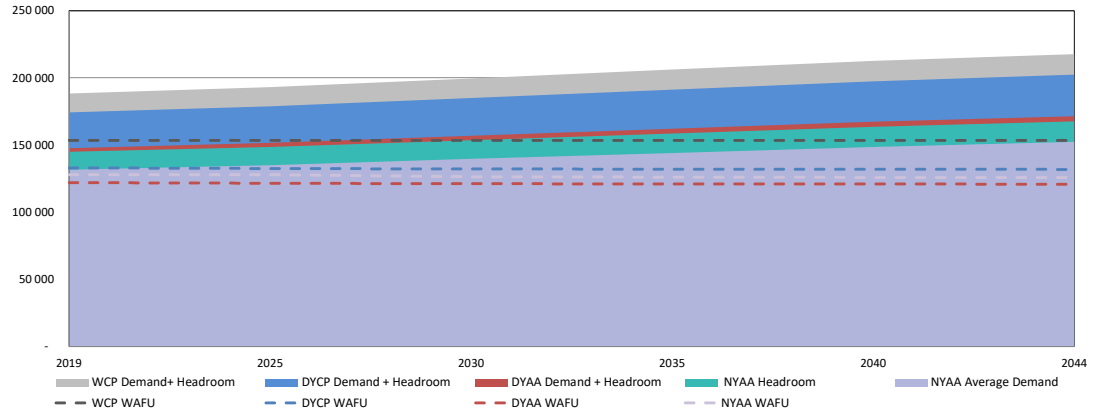
Base Demand in 2019	
Domestic Demand (m ³ /day)	40 595
Non-Domestic Demand (m ³ /day)	32 942
Operational Use (m ³ /day)	1 255
Apparent Losses (m ³ /day)	953
Leakage (m ³ /day)	56 057
Demand (m³/day)	131 802

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	131 802	13 180	144 983	147 698	174 275	188 478
2025	135 123	13 512	148 635	151 627	178 911	193 225
2030	139 677	13 968	153 645	156 922	185 159	199 738
2035	144 202	14 420	158 622	162 199	191 385	206 208
2040	148 726	14 873	163 599	167 495	197 595	212 678
2044	152 346	15 235	167 581	171 571	202 565	217 855

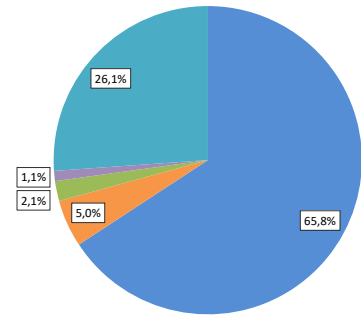
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000105	Lee Road WTP	36 000	30 000	33 000	No Licence	50 219	22Hr	33 000	1 650	31 350	
WTP0001211	Watergrasshill WTP	100	83	92	No Licence	163	22Hr	92	-	92	
WTP0000296	Belgooly WTP	168	140	154	No Licence	161	22Hr	154	-	154	
WTP0001164	Knockraha WTP	1 700	1 417	1 558	No Licence	2 065	22Hr	1 558	-	1 558	Demand > Safe Production Capacity
WTP0000484	Innishannon WTP	11 000	9 167	10 083	No Licence	36 366	22Hr	10 083	504	9 579	Significant Reduction
WTP0000470	Glashaboy WTP	22 730	18 942	20 836	No Licence	12 438	Yield	11 505	575	10 930	Critical - Low Flow Intervention
WTP0000483	Inniscarra WTP	90 000	75 000	82 500	228 000	268 177	22Hr	82 500	4 125	78 375	Significant Reduction
TOTAL		161 698	134 748	148 223	228 000	369 589		138 892	6 854	132 038	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	128 093	122 178	133 188	153 712	16 890	25 520	41 087	34 766	34 766
2025	128 093	121 717	132 727	153 712	20 542	29 910	46 184	39 514	39 514
2030	126 467	121 333	132 343	153 712	27 178	35 589	52 816	46 026	46 026
2035	126 278	121 218	132 228	153 712	32 344	40 981	59 157	52 497	52 497
2040	126 105	121 113	132 122	153 712	37 493	46 382	65 472	58 967	58 967
2044	125 967	121 028	132 038	153 712	41 613	50 543	70 527	64 143	64 143

WRZ CODE	0500SC0083	WRZ Name	Minane Bridge	Study Area	I	Study Group		Local Authority	Cork
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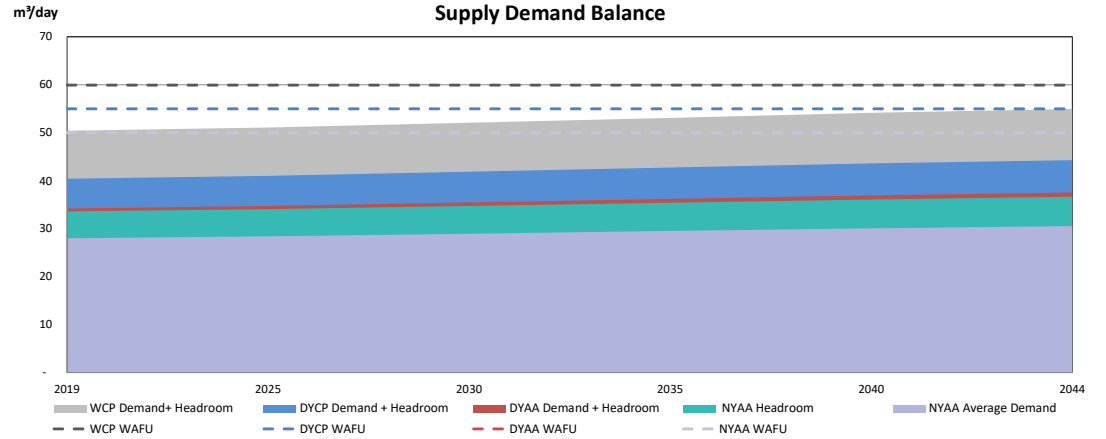
Base Demand in 2019	
Domestic Demand (m ³ /day)	18
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	7
Demand (m³/day)	28

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	28	6	34	34	40	50
2025	28	6	34	35	41	51
2030	29	6	35	35	42	52
2035	30	6	35	36	43	53
2040	30	6	36	37	44	54
2044	31	6	37	38	44	55

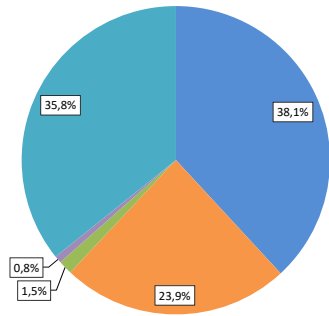
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000168	Minane Bridge WTP	60	50	55	No Licence	57	22Hr	55	-	55	Significant Reduction
TOTAL		60	50	55	-	57		55	-	55	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	50	50	55	60	16	16	15	10
2025	50	50	55	60	16	15	14	9
2030	50	50	55	60	15	15	13	8
2035	50	50	55	60	15	14	12	7
2040	50	50	55	60	14	13	11	6
2044	50	50	55	60	13	12	11	5

WRZ CODE	0500SC0084	WRZ Name	Ballykilty	Study Area	I	Study Group	Local Authority	Cork
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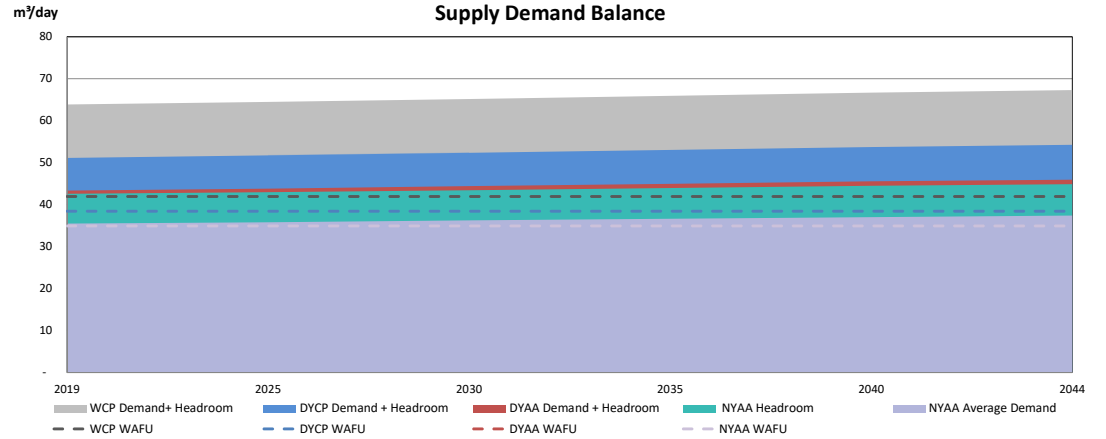
Base Demand in 2019	
Domestic Demand (m ³ /day)	14
Non-Domestic Demand (m ³ /day)	8
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	13
Demand (m³/day)	35

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	35	7	43	43	51	64
2025	36	7	44	44	52	64
2030	36	7	43	44	52	65
2035	37	7	44	45	53	66
2040	37	7	44	46	54	67
2044	37	7	45	46	54	67

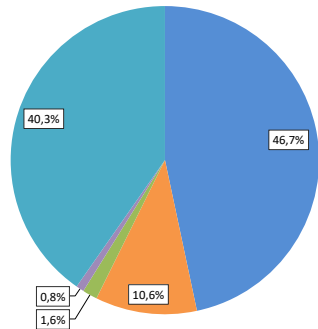
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000252	Ballykilty WTP	42	35	39	No Licence	40	22Hr	39	-	39	
TOTAL											
		42	35	39	-	40		39	-	39	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	35	35	39	42	8	8	13	22
2025	35	35	39	42	8	9	13	22
2030	35	35	39	42	8	9	14	23
2035	35	35	39	42	9	10	15	24
2040	35	35	39	42	9	11	15	25
2044	35	35	39	42	10	11	16	25

WRZ CODE	0500SC0085	WRZ Name	Killeagh	Study Area	I	Study Group		Local Authority	Cork
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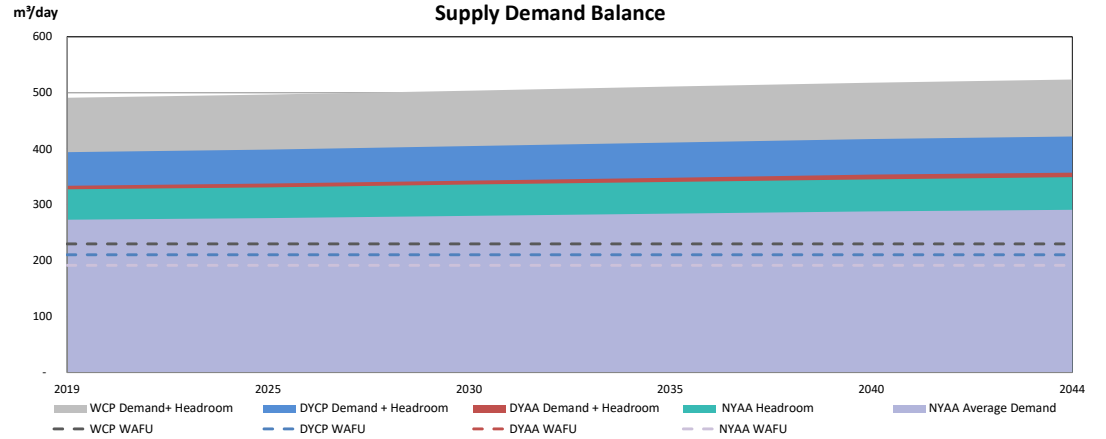
Base Demand in 2019	
Domestic Demand (m ³ /day)	127
Non-Domestic Demand (m ³ /day)	29
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	110
Demand (m³/day)	273

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	273	55	327	334	394	491
2025	276	55	331	338	399	497
2030	280	56	336	343	405	504
2035	284	57	341	348	411	511
2040	288	58	345	354	417	518
2044	291	58	349	357	422	524

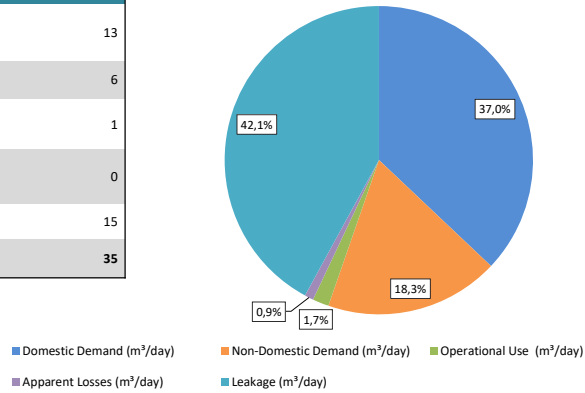
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000315	Ballymacoda Road WTP	230	192	211	No Licence	220	22Hr	211	-	211	
TOTAL		230	192	211	-	220		211	-	211	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU (m ³ /day)
2019	192	192	211	230	136	142	183	261	-	-
2025	192	192	211	230	140	146	188	267	-	-
2030	192	192	211	230	144	151	194	274	-	-
2035	192	192	211	230	149	157	200	281	-	-
2040	192	192	211	230	154	162	206	288	-	-
2044	192	192	211	230	157	166	211	294	-	-

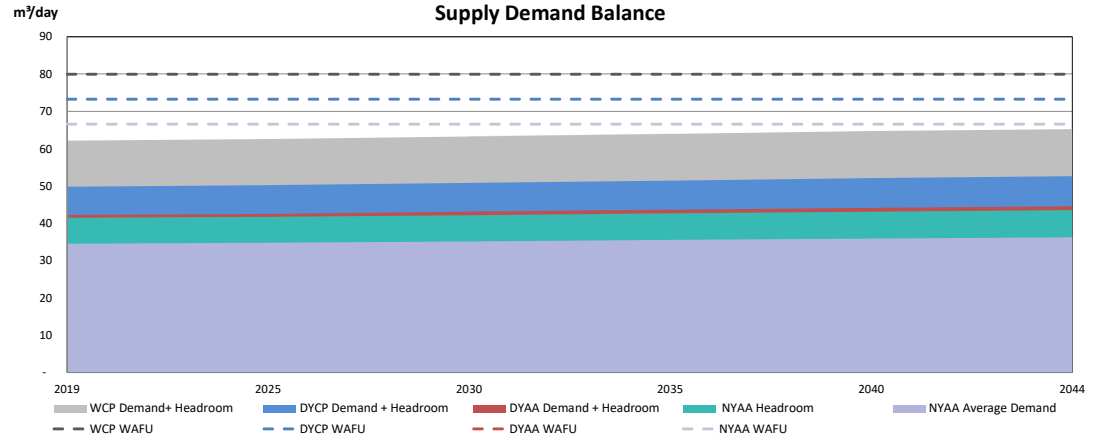
WRZ CODE	0500SC0086	WRZ Name	Bartlemy	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	13
Non-Domestic Demand (m ³ /day)	6
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	15
Demand (m³/day)	35

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	35	7	41	42	50	62
2025	35	7	42	43	50	63
2030	35	7	42	43	51	63
2035	36	7	43	44	51	64
2040	36	7	43	44	52	65
2044	36	7	44	45	53	65

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000291	Bartlemy Hightown WTP	80	67	73	No Licence	77	22Hr	73	-	73	Significant Reduction
TOTAL		80	67	73	-	77		73	-	73	

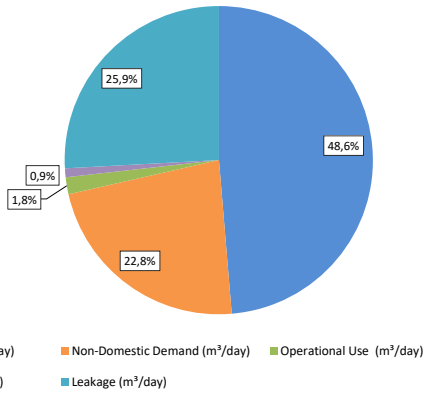
Supply Demand Balance

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	67	67	73	80	25	24	24	18
2025	67	67	73	80	25	24	23	17
2030	67	67	73	80	24	24	22	17
2035	67	67	73	80	24	23	22	16
2040	67	67	73	80	24	23	21	15
2044	67	67	73	80	23	22	21	15

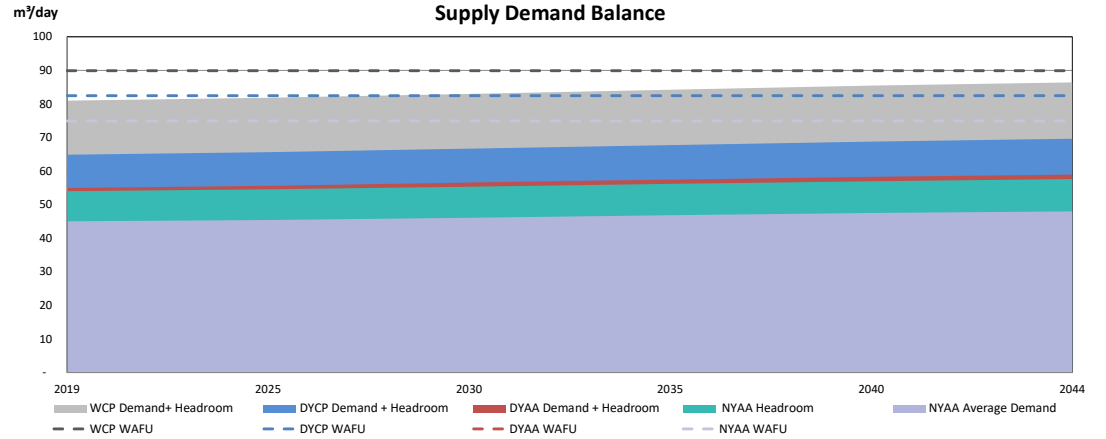
WRZ CODE	0500SC0087	WRZ Name	Monanig	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	22
Non-Domestic Demand (m ³ /day)	10
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	12
Demand (m³/day)	45

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	45	9	54	55	65	81
2025	45	9	55	56	66	82
2030	46	9	55	57	67	83
2035	47	9	56	57	68	84
2040	47	9	57	58	69	85
2044	48	10	58	59	70	86

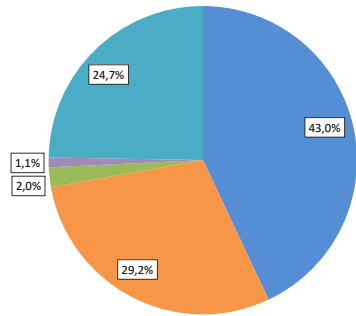
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000227	Monananig WTP	90	75	83	No Licence	86	22Hr	83	-	83	
TOTAL		90	75	83	-	86		83	-	83	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	75	75	83	90	21	20	18	9
2025	75	75	83	90	20	19	17	8
2030	75	75	83	90	20	18	16	7
2035	75	75	83	90	19	18	15	6
2040	75	75	83	90	18	17	14	5
2044	75	75	83	90	17	16	13	4

WRZ CODE	0500SC0088	WRZ Name	Knockdrumacloagh	Study Area	J	Study Group		Local Authority	Cork
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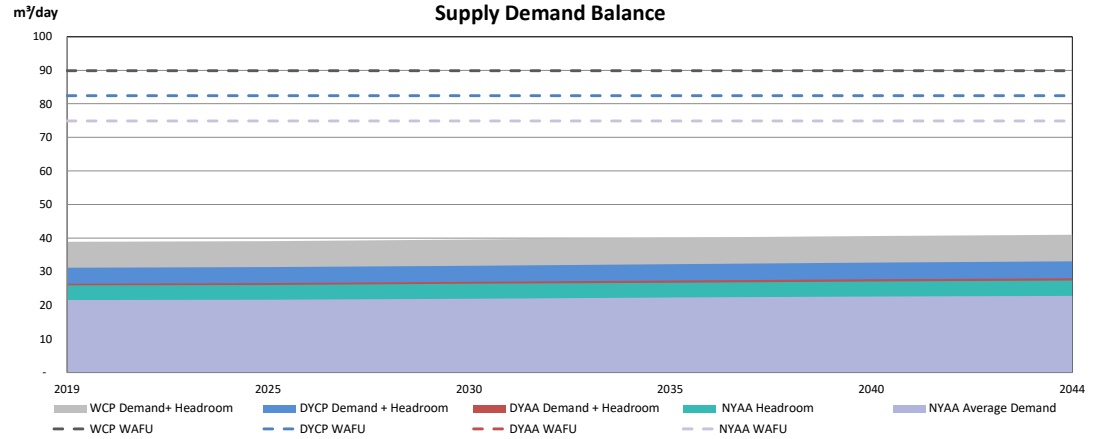
Base Demand in 2019	
Domestic Demand (m ³ /day)	9
Non-Domestic Demand (m ³ /day)	6
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	5
Demand (m³/day)	22

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	22	4	26	26	31	39
2025	22	4	26	27	31	39
2030	22	4	26	27	32	40
2035	22	4	27	27	32	40
2040	23	5	27	28	33	41
2044	23	5	27	28	33	41

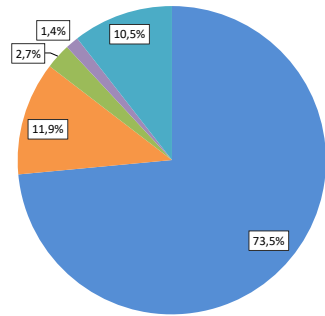
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001156	Knockdrumacloagh WTP	90	75	83	No Licence	86	22Hr	83	-	83	
TOTAL		90	75	83	-	86		83	-	83	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	75	75	83	90	49	49	51	51
2025	75	75	83	90	49	48	51	51
2030	75	75	83	90	49	48	51	50
2035	75	75	83	90	48	48	50	50
2040	75	75	83	90	48	47	50	49
2044	75	75	83	90	48	47	49	49

WRZ CODE	0500SC0089	WRZ Name	Coolagown	Study Area	J	Study Group		Local Authority	Cork
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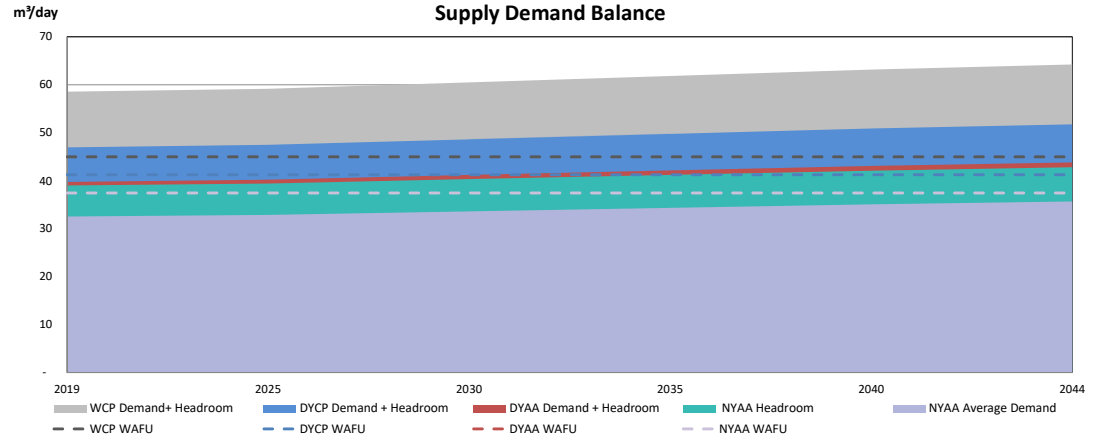
Base Demand in 2019	
Domestic Demand (m ³ /day)	24
Non-Domestic Demand (m ³ /day)	4
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	3
Demand (m³/day)	33

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	33	7	39	40	47	59
2025	33	7	39	40	47	59
2030	34	7	40	41	49	60
2035	34	7	41	42	50	62
2040	35	7	42	43	51	63
2044	36	7	43	44	52	64

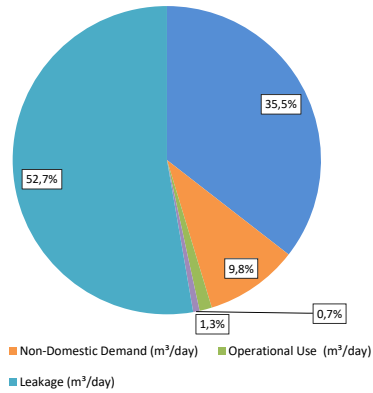
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000613	Coolagown WTP Site	45	38	41	No Licence	57	22Hr	41	-	41	
TOTAL		45	38	41	-	57		41	-	41	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	38	38	41	45	2	2	6	14	2	2	6	14
2025	38	38	41	45	2	3	6	14	2	3	6	14
2030	38	38	41	45	3	4	7	15	3	4	7	15
2035	38	38	41	45	4	5	8	17	4	5	8	17
2040	38	38	41	45	5	6	10	18	5	6	10	18
2044	38	38	41	45	5	6	11	19	5	6	11	19

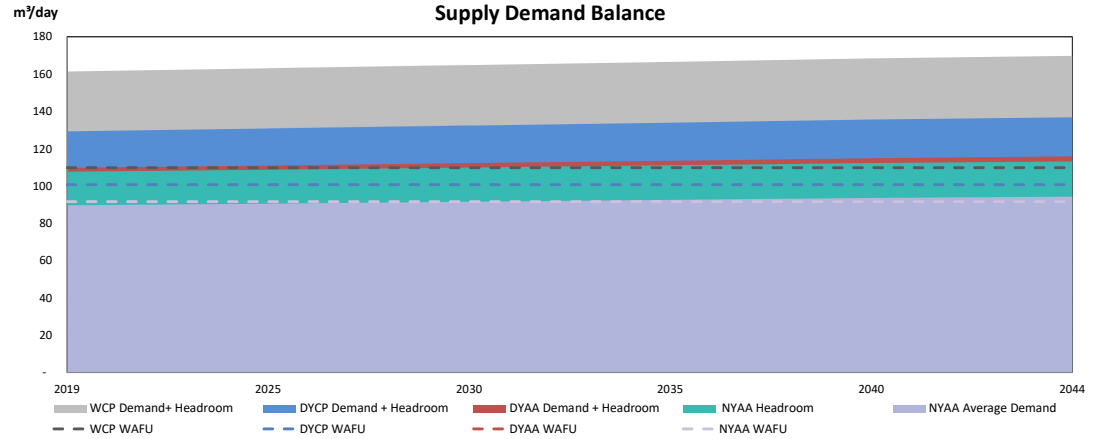
WRZ CODE	0500SC0090	WRZ Name	Kilmagner	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	32
Non-Domestic Demand (m ³ /day)	9
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	47
Demand (m³/day)	90

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	90	18	108	110	129	161
2025	91	18	109	111	131	163
2030	92	18	110	112	132	165
2035	93	19	111	114	134	167
2040	94	19	112	115	136	168
2044	94	19	113	116	137	170

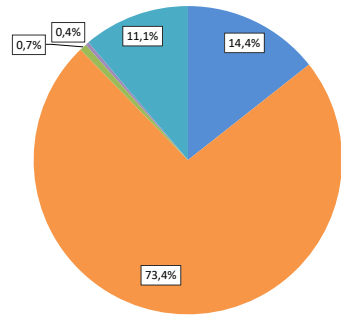
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001116	Kilmagner WTP	110	92	101	No Licence	105	22Hr	101	-	101	
TOTAL		110	92	101	-	105		101	-	101	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	92	92	101	110	-	16	-	18	-	29	-	51
2025	92	92	101	110	-	17	-	19	-	30	-	53
2030	92	92	101	110	-	18	-	21	-	32	-	55
2035	92	92	101	110	-	19	-	22	-	33	-	57
2040	92	92	101	110	-	21	-	23	-	35	-	58
2044	92	92	101	110	-	22	-	24	-	36	-	60

WRZ CODE	0500SC0092	WRZ Name	Kilmurry (Mitchelstown)	Study Area	J	Study Group		Local Authority	Cork
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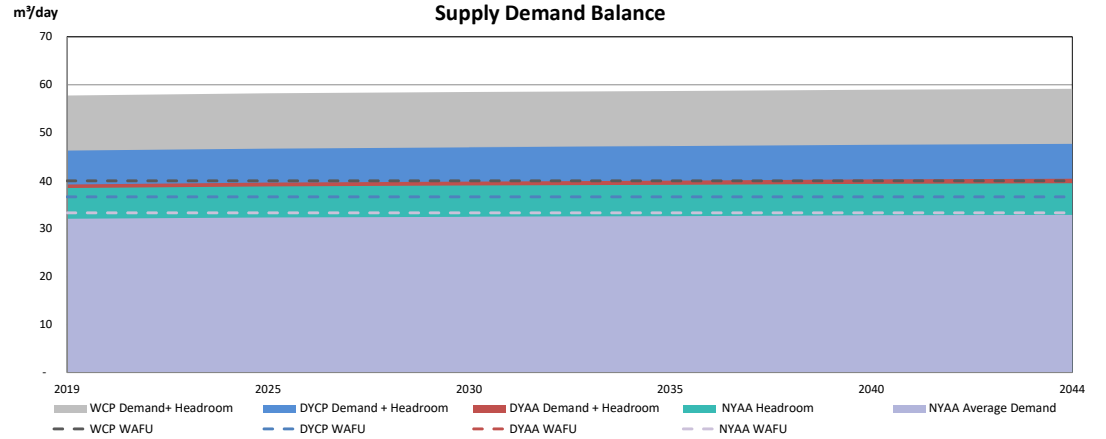
Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	24
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	4
Demand (m³/day)	32

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	32	6	39	39	46	58
2025	32	6	39	40	47	58
2030	32	6	39	40	47	58
2035	33	7	39	40	47	59
2040	33	7	39	40	47	59
2044	33	7	39	40	48	59

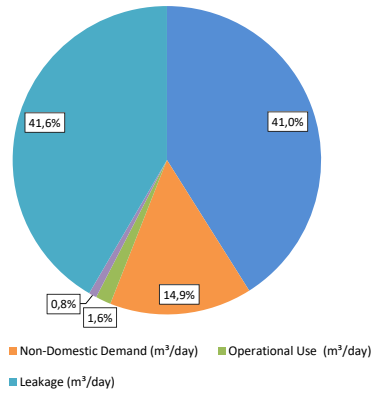
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001124	Kilmurray WTP	40	33	37	No Licence	38	22Hr	37	-	37	
TOTAL		40	33	37	-	38		37	-	37	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	33	33	37	40	5	6	10	18
2025	33	33	37	40	5	6	10	18
2030	33	33	37	40	6	6	10	18
2035	33	33	37	40	6	7	11	19
2040	33	33	37	40	6	7	11	19
2044	33	33	37	40	6	7	11	19

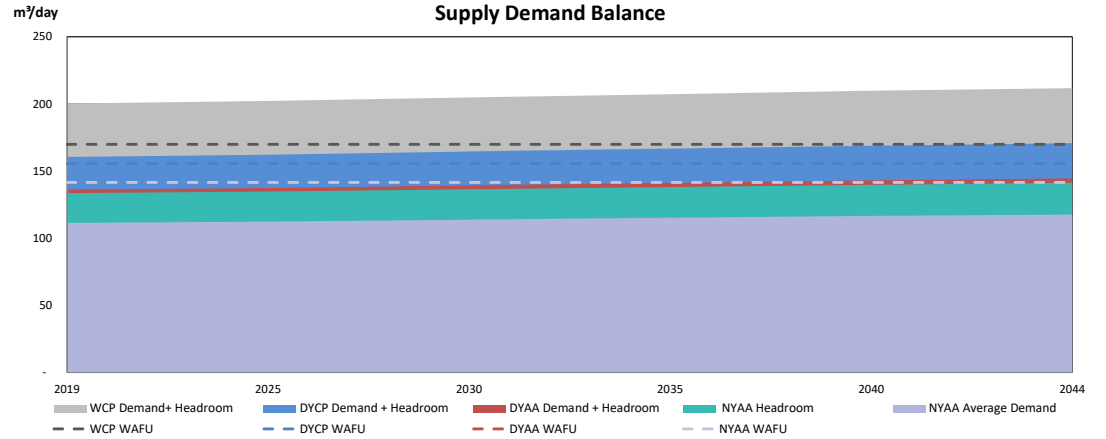
WRZ CODE	0500SC0093	WRZ Name	Ballydesmond	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	46
Non-Domestic Demand (m ³ /day)	17
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	46
Demand (m³/day)	111

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	111	22	134	136	161	200
2025	112	22	135	138	162	202
2030	114	23	137	139	165	205
2035	115	23	138	141	167	207
2040	117	23	140	143	169	210
2044	118	24	141	145	171	212

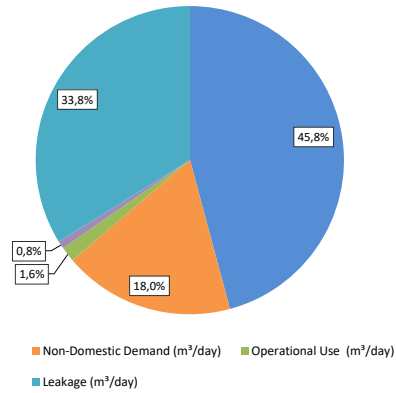
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000902	Ballydesmond WTP	170	142	156	No Licence	163	22Hr	156	-	156	Significant Reduction
TOTAL		170	142	156	-	163		156	-	156	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	142	142	156	170	8	6	5	30
2025	142	142	156	170	7	4	6	32
2030	142	142	156	170	5	2	9	35
2035	142	142	156	170	3	0	11	37
2040	142	142	156	170	2	2	13	40
2044	142	142	156	170	0	3	15	42

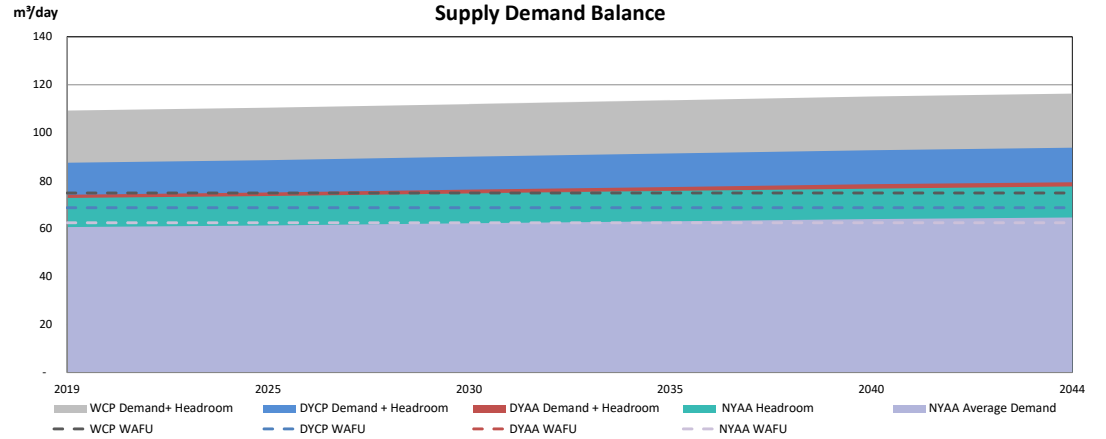
WRZ CODE	0500SC0094	WRZ Name	Kiskeam	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	28
Non-Domestic Demand (m ³ /day)	11
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	21
Demand (m³/day)	61

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	61	12	73	74	88	109
2025	61	12	74	75	89	110
2030	62	12	75	76	90	112
2035	63	13	76	77	91	114
2040	64	13	77	79	93	115
2044	65	13	78	79	94	116

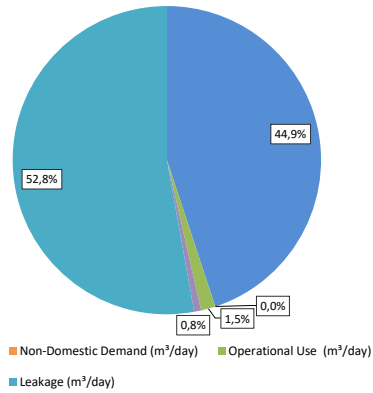
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001144	Kiskeam WTP	75	63	69	No Licence	72	22Hr	69	-	69	
TOTAL		75	63	69	-	72		69	-	69	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	63	63	69	75	10	12	19	34	63	63	69
2025	63	63	69	75	11	13	20	35	63	63	69
2030	63	63	69	75	12	14	21	37	63	63	69
2035	63	63	69	75	13	15	23	39	63	63	69
2040	63	63	69	75	14	16	24	40	63	63	69
2044	63	63	69	75	15	17	25	41	63	63	69

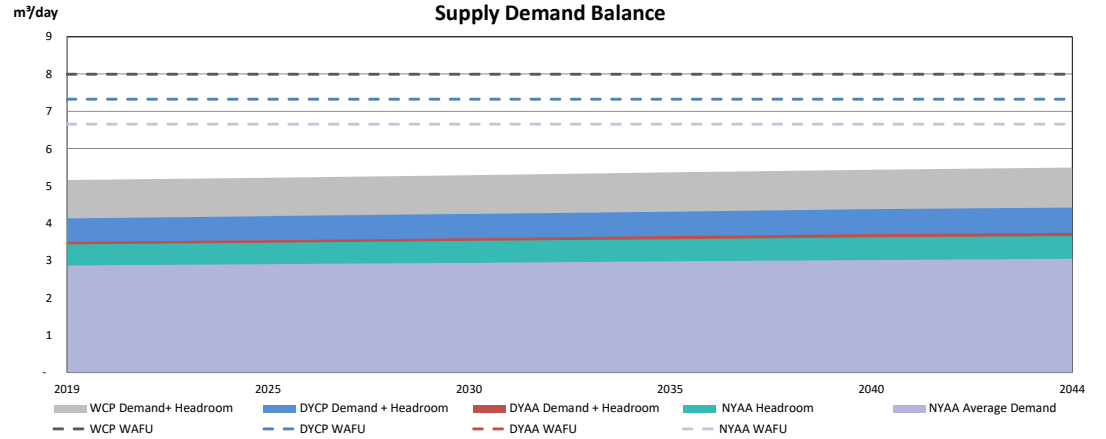
WRZ CODE	0500SC0095	WRZ Name	Knockanleigh	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	2
Demand (m³/day)	3

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3	1	3	4	4	5
2025	3	1	3	4	4	5
2030	3	1	4	4	4	5
2035	3	1	4	4	4	5
2040	3	1	4	4	4	5
2044	3	1	4	4	4	5

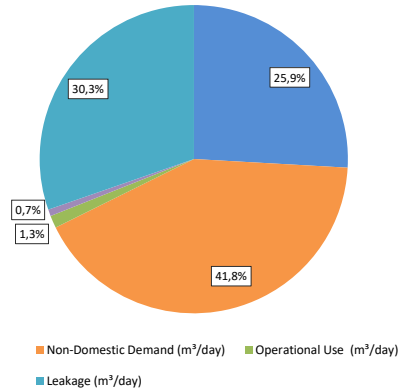
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001151	Knockanleigh WTP	8	7	7	No Licence	8	22Hr	7	-	7	
TOTAL		8	7	7	-	8		7	-	7	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7	7	7	8	3	3	3	3
2025	7	7	7	8	3	3	3	3
2030	7	7	7	8	3	3	3	3
2035	7	7	7	8	3	3	3	3
2040	7	7	7	8	3	3	3	3
2044	7	7	7	8	3	3	3	3

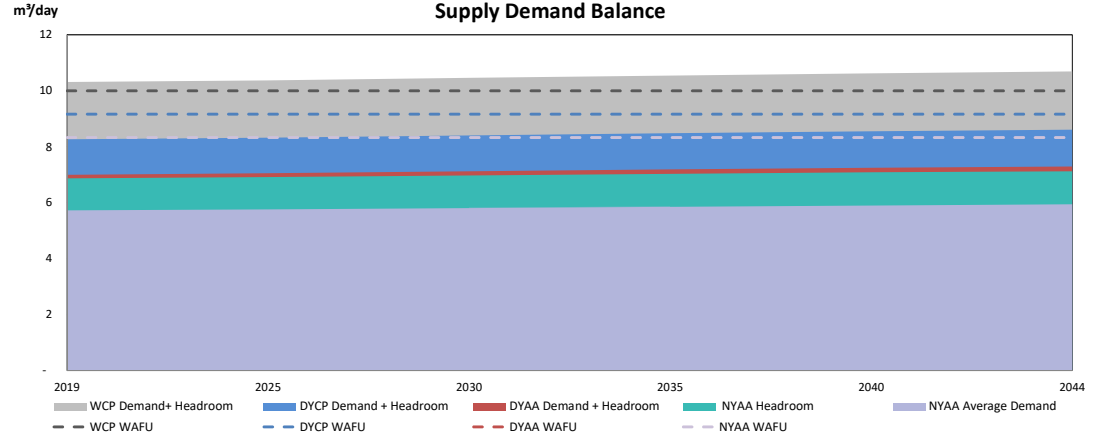
WRZ CODE	0500SC0096	WRZ Name	Boherascrub	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	2
Demand (m³/day)	6

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	6	1	7	7	8	10
2025	6	1	7	7	8	10
2030	6	1	7	7	8	10
2035	6	1	7	7	8	11
2040	6	1	7	7	9	11
2044	6	1	7	7	9	11

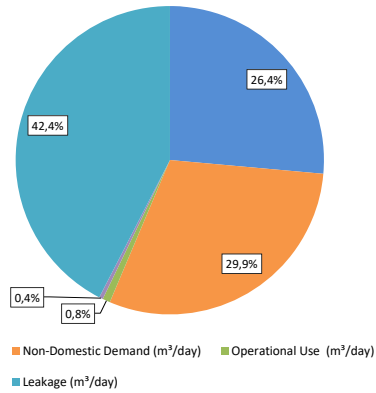
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000303	Bohernascrub WTP	10	8	9	No Licence	10	22Hr	9	-	9	
TOTAL		10	8	9	-	10		9	-	9	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	8	9	10	1	1	1	0
2025	8	8	9	10	1	1	1	0
2030	8	8	9	10	1	1	1	0
2035	8	8	9	10	1	1	1	1
2040	8	8	9	10	1	1	1	1
2044	8	8	9	10	1	1	1	1

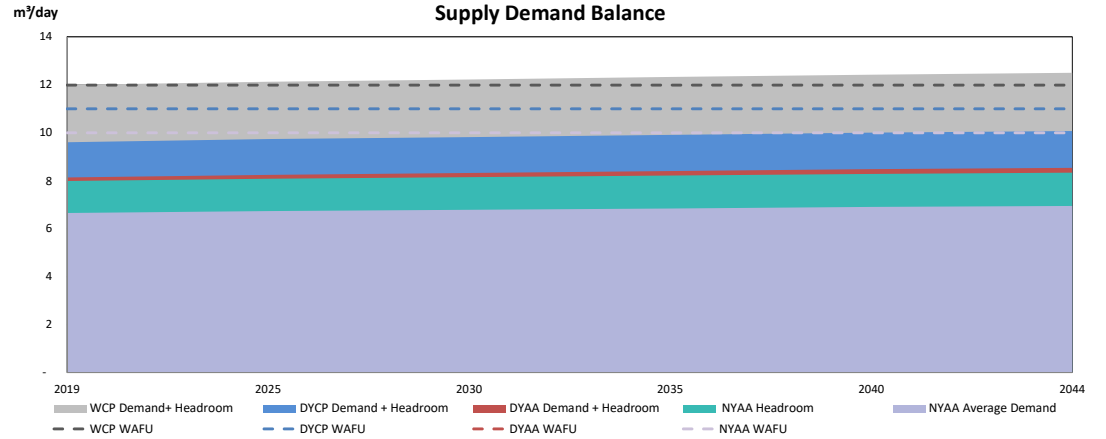
WRZ CODE	0500SC0097	WRZ Name	Castlecooke	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	3
Demand (m³/day)	7

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7	1	8	8	10	12
2025	7	1	8	8	10	12
2030	7	1	8	8	10	12
2035	7	1	8	8	10	12
2040	7	1	8	8	10	12
2044	7	1	8	9	10	13

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000556	Castlecooke WTP	12	10	11	No Licence	11	22Hr	11	-	11	
TOTAL		12	10	11	-	11		11	-	11	

WAFU

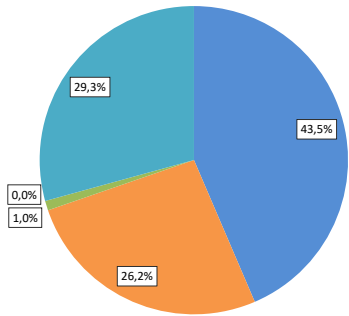
Supply Demand Balance

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	10	11	12	2	2	1	0
2025	10	10	11	12	2	2	1	0
2030	10	10	11	12	2	2	1	0
2035	10	10	11	12	2	2	1	0
2040	10	10	11	12	2	2	1	0
2044	10	10	11	12	2	1	1	1

WRZ CODE	0500SC0099	WRZ Name	Glenduff	Study Area	J	Study Group		Local Authority	Cork
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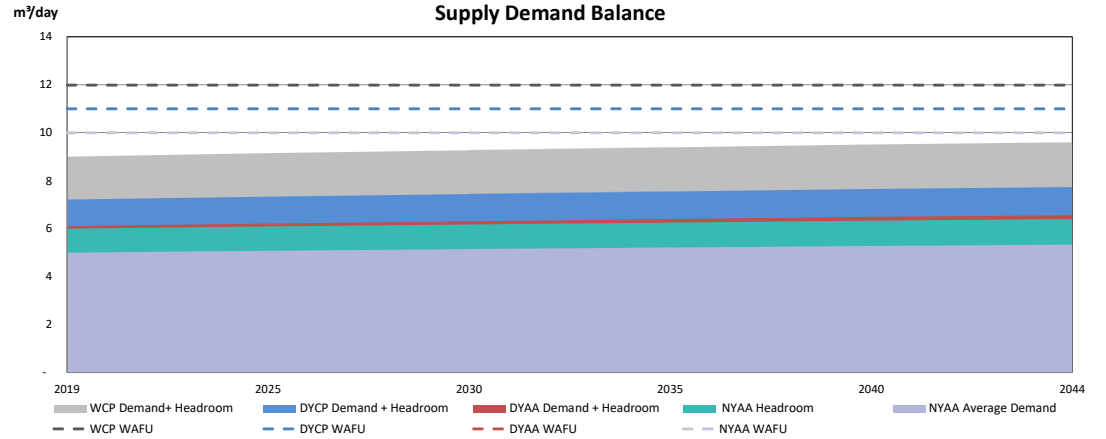
Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	1
Demand (m³/day)	5

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5	1	6	6	7	9
2025	5	1	6	6	7	9
2030	5	1	6	6	7	9
2035	5	1	6	6	8	9
2040	5	1	6	6	8	10
2044	5	1	6	7	8	10

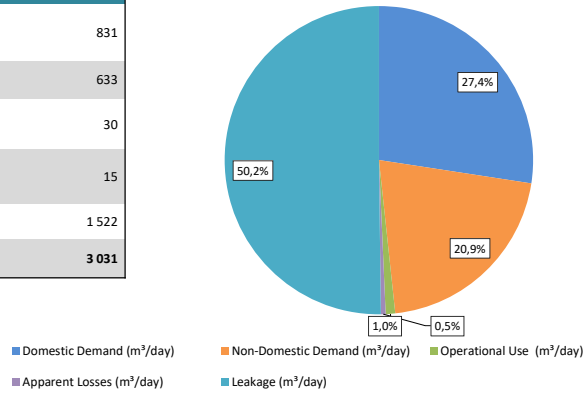
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000423	Glenduff WTP	12	10	11	No Licence	14	22Hr	11	-	11	
TOTAL		12	10	11	-	14		11	-	11	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	10	11	12	4	4	4	3
2025	10	10	11	12	4	4	4	3
2030	10	10	11	12	4	4	4	3
2035	10	10	11	12	4	4	3	3
2040	10	10	11	12	4	4	3	2
2044	10	10	11	12	4	3	3	2

WRZ CODE	0500SC0100	WRZ Name	Mitchelstown	Study Area	J	Study Group	Local Authority	Cork
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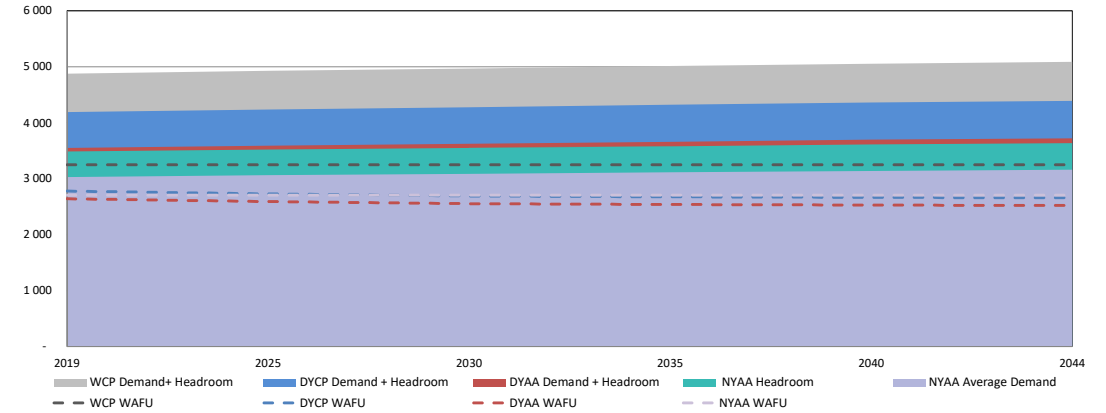
Base Demand in	2019
Domestic Demand (m ³ /day)	831
Non-Domestic Demand (m ³ /day)	633
Operational Use (m ³ /day)	30
Apparent Losses (m ³ /day)	15
Leakage (m ³ /day)	1522
Demand (m³/day)	3 031

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 031	455	3 485	3 551	4 190	4 880
2025	3 062	459	3 521	3 592	4 238	4 929
2030	3 088	463	3 551	3 626	4 279	4 971
2035	3 113	467	3 580	3 661	4 320	5 012
2040	3 139	471	3 610	3 696	4 360	5 054
2044	3 160	474	3 634	3 720	4 392	5 087

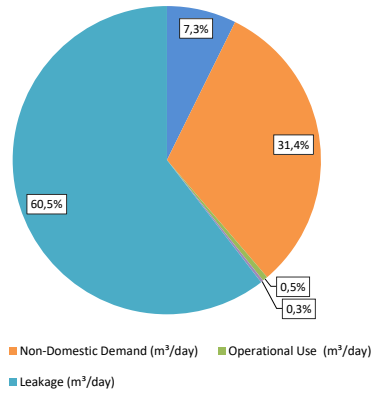
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000163	Michelstown Galtee WTP	1 600	1 333	1 467	No Licence	1 183	Yield	1 148	-	1 148	
WTP0000169	Mitchelstown South WTP	1 650	1 375	1 513	No Licence	1 916	22Hr	1 513	-	1 513	
TOTAL		3 250	2 708	2 979	-	3 099		2 660	-	2 660	

Year	WAFU					Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 708	2 644	2 781	3 250	777	907	1 409	1 630	2 708	2 595	2 733	3 250
2025	2 708	2 555	2 692	3 250	842	1 072	1 587	1 721	2 708	2 543	2 680	3 250
2030	2 708	2 532	2 669	3 250	902	1 164	1 691	1 804	2 708	2 523	2 660	3 250
2035	2 708	2 523	2 660	3 250	925	1 197	1 732	1 837	2 708	2 523	2 660	3 250

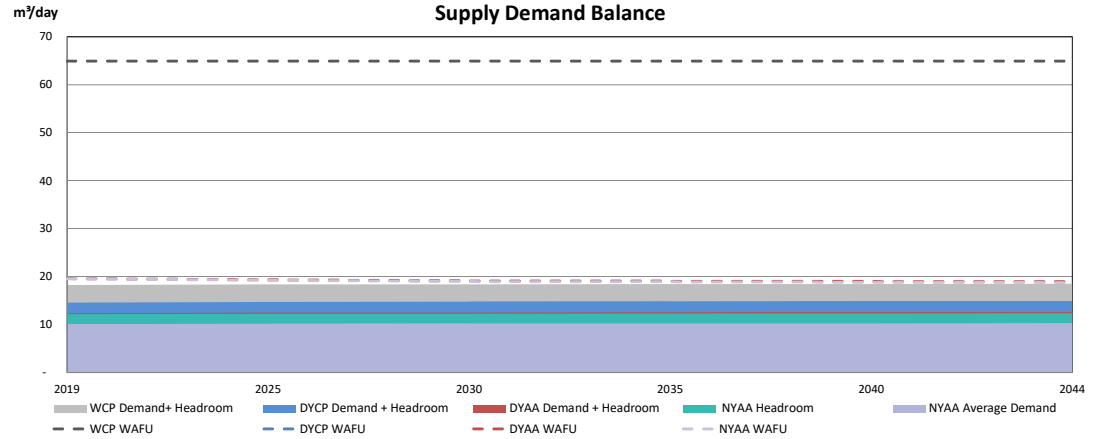
WRZ CODE	0500SC0101	WRZ Name	Mountain Barracks	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	6
Demand (m³/day)	10

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	2	12	12	15	18
2025	10	2	12	12	15	18
2030	10	2	12	13	15	18
2035	10	2	12	13	15	18
2040	10	2	12	13	15	18
2044	10	2	12	13	15	19

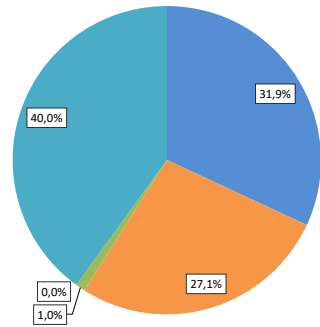
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000193	Mountain Barracks WTP	65	54	60	No Licence	19	Yield	19	-	19	
TOTAL		65	54	60	-	19		19	-	19	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	20	20	20	65	7	7	5	47
2025	19	19	19	65	7	7	5	47
2030	19	19	19	65	7	7	4	47
2035	19	19	19	65	7	7	4	47
2040	19	19	19	65	7	6	4	47
2044	19	19	19	65	6	6	4	46

WRZ CODE	0500SC0102	WRZ Name	Gortnaskehy	Study Area	J	Study Group		Local Authority	Cork
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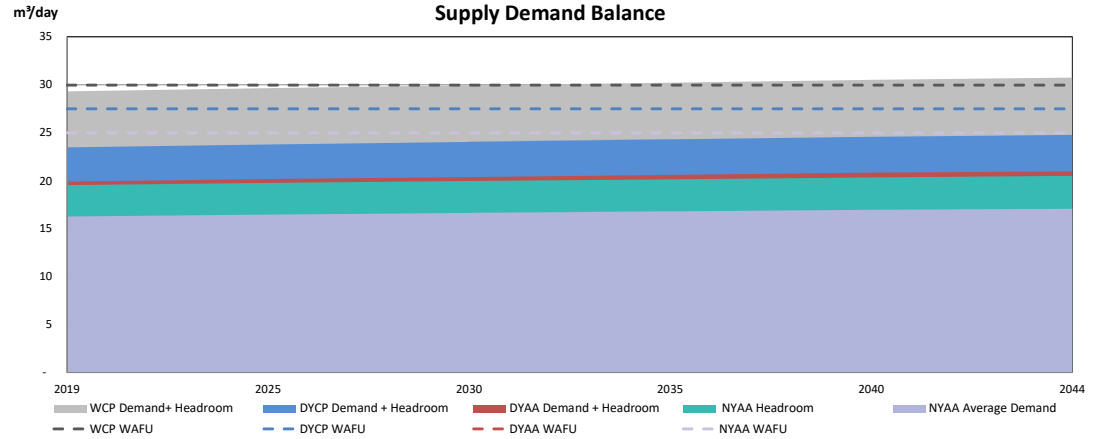
Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	4
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	7
Demand (m³/day)	16

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	16	3	20	20	23	29
2025	16	3	20	20	24	30
2030	17	3	20	20	24	30
2035	17	3	20	21	24	30
2040	17	3	20	21	25	31
2044	17	3	20	21	25	31

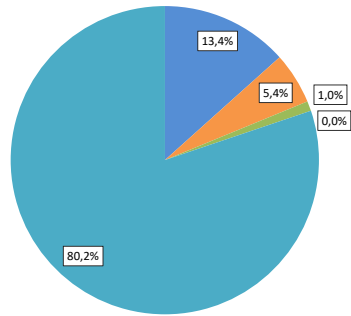
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000497	Gortnaskethy WTP	30	25	28	No Licence	29	22Hr	28	-	28	
TOTAL		30	25	28	-	29		28	-	28	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	25	25	28	30	5	5	4	1
2025	25	25	28	30	5	5	4	0
2030	25	25	28	30	5	5	3	0
2035	25	25	28	30	5	4	3 -	0
2040	25	25	28	30	5	4	3 -	1
2044	25	25	28	30	5	4	3 -	1

WRZ CODE	0500SC0103	WRZ Name	Knockanevin	Study Area	J	Study Group		Local Authority	Cork
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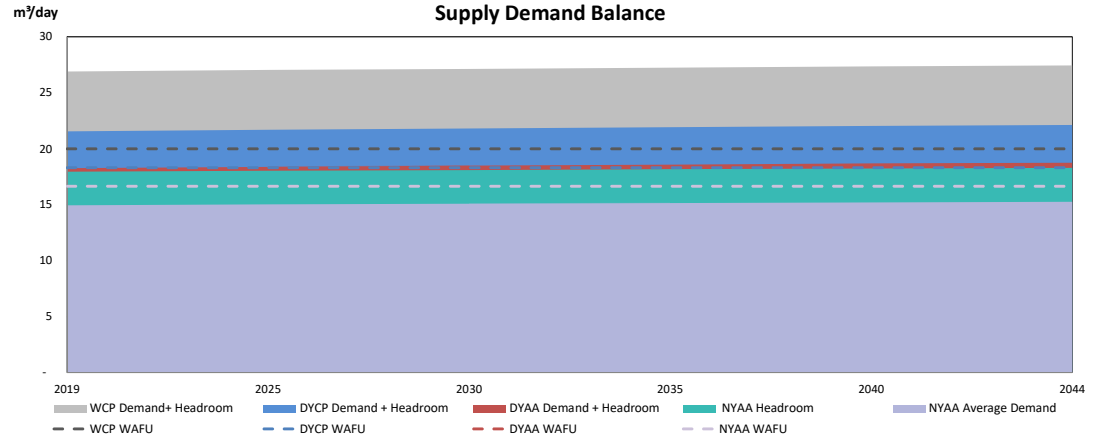
Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	12
Demand (m³/day)	15

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	15	3	18	18	22	27
2025	15	3	18	18	22	27
2030	15	3	18	18	22	27
2035	15	3	18	19	22	27
2040	15	3	18	19	22	27
2044	15	3	18	19	22	27

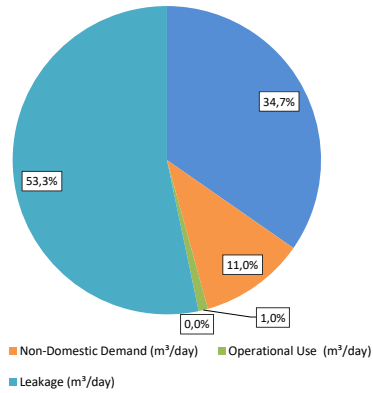
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001150	Knockanevin WTP	20	17	18	No Licence	19	22Hr	18	-	18	
TOTAL											
		20	17	18	-	19		18	-	18	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	17	17	18	20	1	2	3	7
2025	17	17	18	20	1	2	3	7
2030	17	17	18	20	1	2	3	7
2035	17	17	18	20	2	2	4	7
2040	17	17	18	20	2	2	4	7
2044	17	17	18	20	2	2	4	7

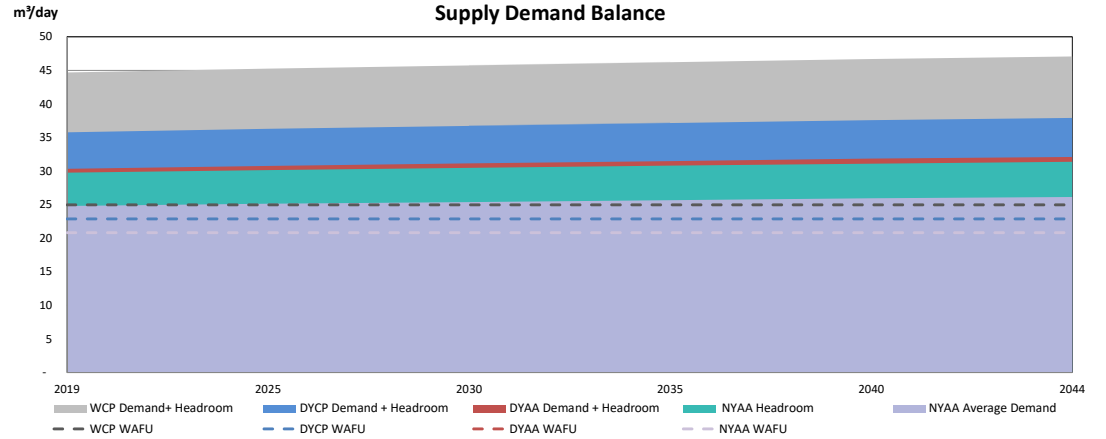
WRZ CODE	0500SC0104	WRZ Name	Skahanagh	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	9
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	13
Demand (m³/day)	25

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	25	5	30	30	36	45
2025	25	5	30	31	36	45
2030	25	5	30	31	37	46
2035	26	5	31	31	37	46
2040	26	5	31	32	38	47
2044	26	5	31	32	38	47

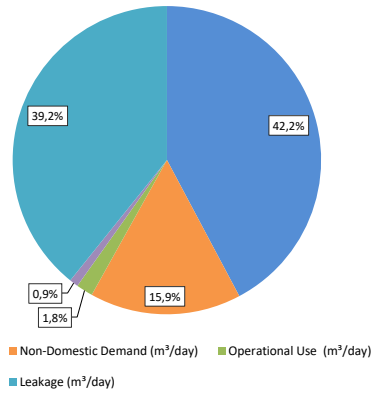
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000702	Skahanagh WTP	25	21	23	No Licence	24	22Hr	23	-	23	
TOTAL		25	21	23	-	24		23	-	23	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	21	21	23	25	9	10	13	20
2025	21	21	23	25	9	10	13	20
2030	21	21	23	25	10	10	14	21
2035	21	21	23	25	10	11	14	21
2040	21	21	23	25	10	11	15	22
2044	21	21	23	25	11	11	15	22

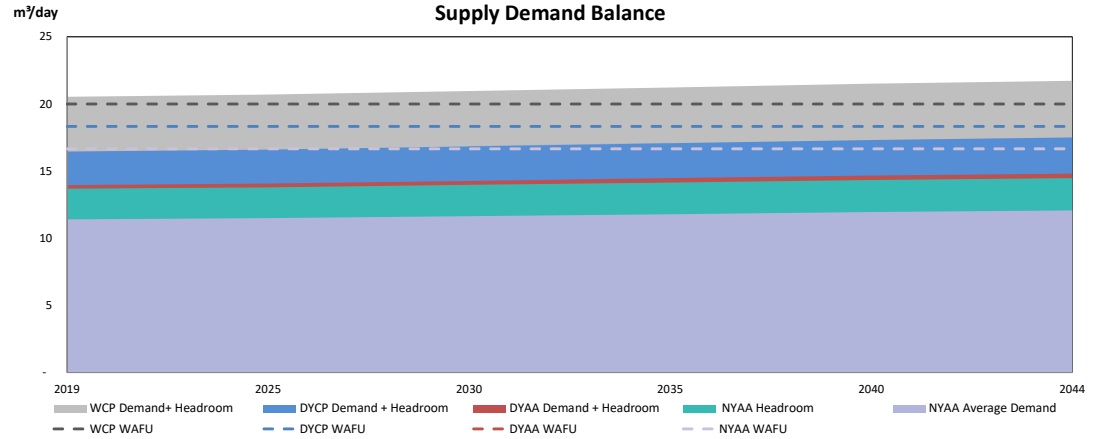
WRZ CODE	0500SC0105	WRZ Name	Knockeragh	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	4
Demand (m³/day)	11

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	11	2	14	14	16	21
2025	11	2	14	14	17	21
2030	12	2	14	14	17	21
2035	12	2	14	14	17	21
2040	12	2	14	15	17	22
2044	12	2	14	15	18	22

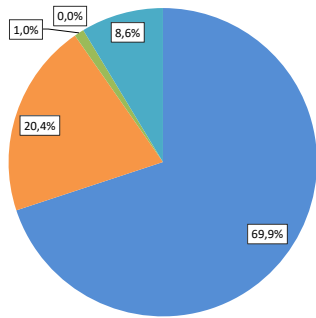
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001157	Knockeragh WTP	20	17	18	No Licence	19	22Hr	18	-	18	
TOTAL		20	17	18	-	19		18	-	18	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	17	17	18	20	3	3	2	1
2025	17	17	18	20	3	3	2	1
2030	17	17	18	20	3	2	1	1
2035	17	17	18	20	3	2	1	1
2040	17	17	18	20	2	2	1	2
2044	17	17	18	20	2	2	1	2

WRZ CODE	0500SC0106	WRZ Name	Labbamollogga	Study Area	J	Study Group		Local Authority	Cork
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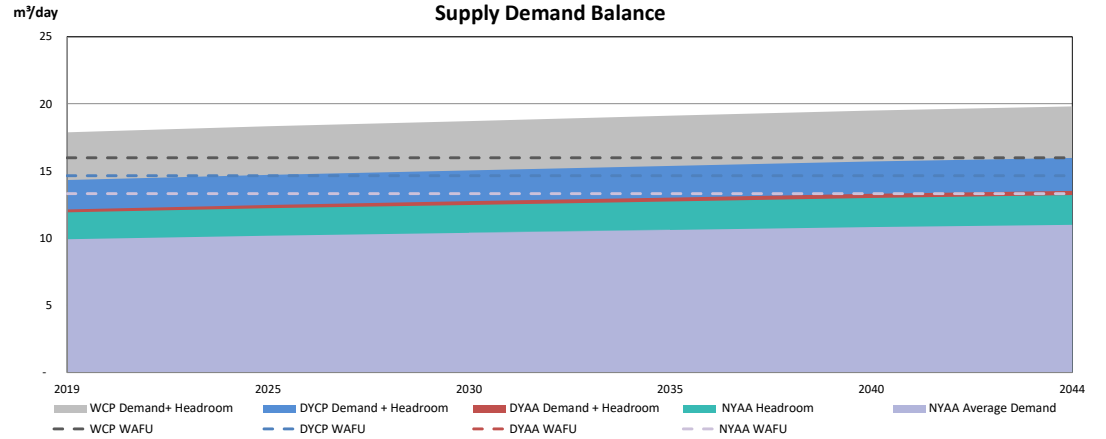
Base Demand in 2019	
Domestic Demand (m ³ /day)	7
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	1
Demand (m³/day)	10

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	2	12	12	14	18
2025	10	2	12	12	15	18
2030	10	2	12	13	15	19
2035	11	2	13	13	15	19
2040	11	2	13	13	16	20
2044	11	2	13	14	16	20

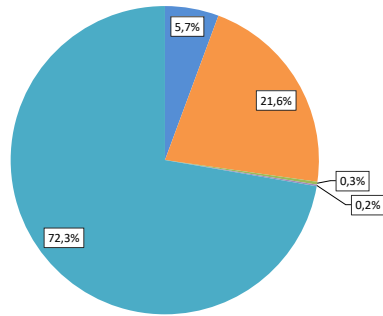
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001174	Labbamollogga WTP	16	13	15	No Licence	19	22Hr	15	-	15	
TOTAL		16	13	15	-	19		15	-	15	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	13	13	15	16	1	1	0	2
2025	13	13	15	16	1	1	0	2
2030	13	13	15	16	1	1	0	3
2035	13	13	15	16	1	0	1	3
2040	13	13	15	16	0	0	1	4
2044	13	13	15	16	0	0	1	4

WRZ CODE	0500SC0107	WRZ Name	Monabricka	Study Area	J	Study Group		Local Authority	Cork
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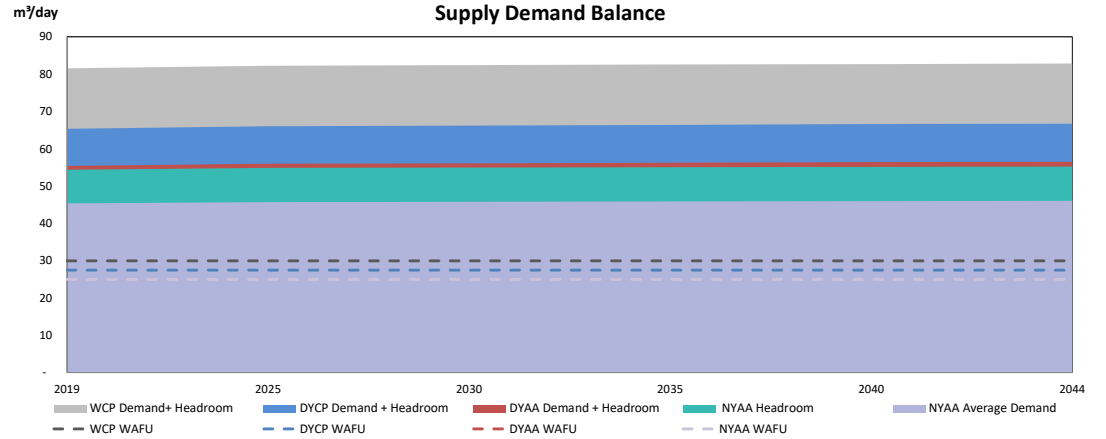
Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	10
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	33
Demand (m³/day)	45

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	45	9	54	55	65	82
2025	46	9	55	56	66	82
2030	46	9	55	56	66	82
2035	46	9	55	56	66	83
2040	46	9	55	56	67	83
2044	46	9	55	57	67	83

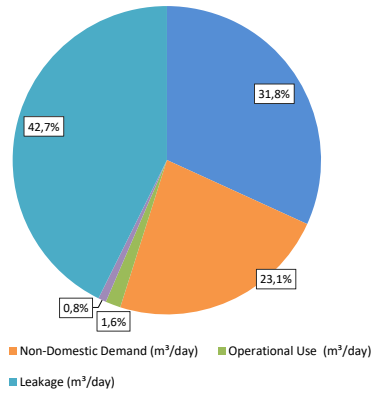
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000175	Monabricka WTP	30	25	28	No Licence	29	22Hr	28	-	28	
TOTAL		30	25	28	-	29		28	-	28	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	25	25	28	30	29	30	38	52
2025	25	25	28	30	30	31	39	52
2030	25	25	28	30	30	31	39	52
2035	25	25	28	30	30	31	39	53
2040	25	25	28	30	30	31	39	53
2044	25	25	28	30	30	32	39	53

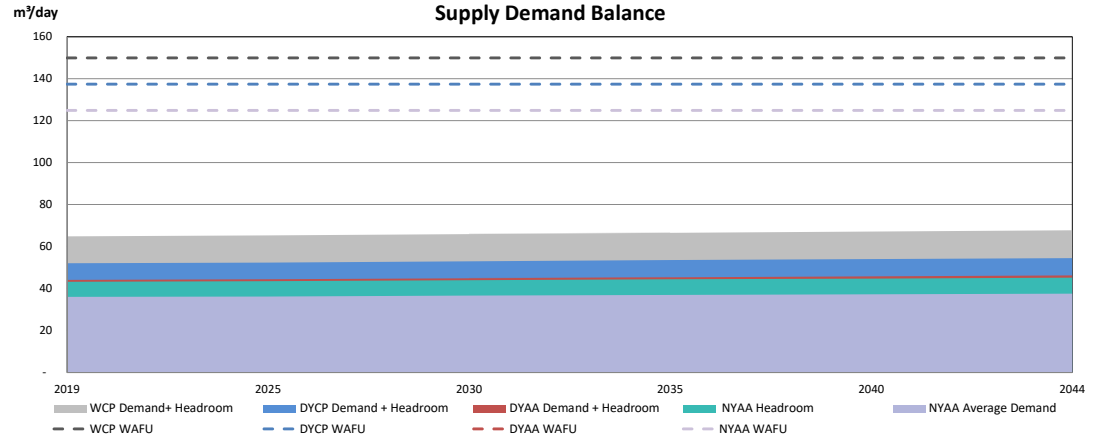
WRZ CODE	0500SC0108	WRZ Name	Rockchapel	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	11
Non-Domestic Demand (m ³ /day)	8
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	15
Demand (m³/day)	36

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	36	7	43	44	52	65
2025	36	7	44	44	52	65
2030	37	7	44	45	53	66
2035	37	7	44	45	54	67
2040	37	7	45	46	54	67
2044	38	8	45	46	55	68

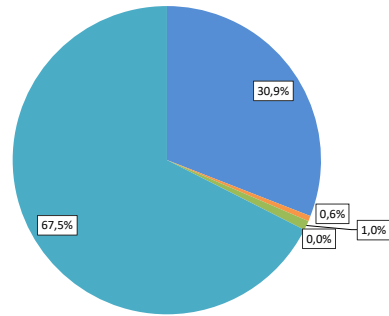
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000672	Rockchapel WTP	150	125	138	No Licence	144	22Hr	138	-	138	
TOTAL		150	125	138	-	144		138	-	138	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	125	125	138	150	82	81	85	85
2025	125	125	138	150	81	81	85	85
2030	125	125	138	150	81	80	85	84
2035	125	125	138	150	81	80	84	83
2040	125	125	138	150	80	79	83	83
2044	125	125	138	150	80	79	83	82

WRZ CODE	0500SC0109	WRZ Name	Stagmount	Study Area	J	Study Group		Local Authority	Cork
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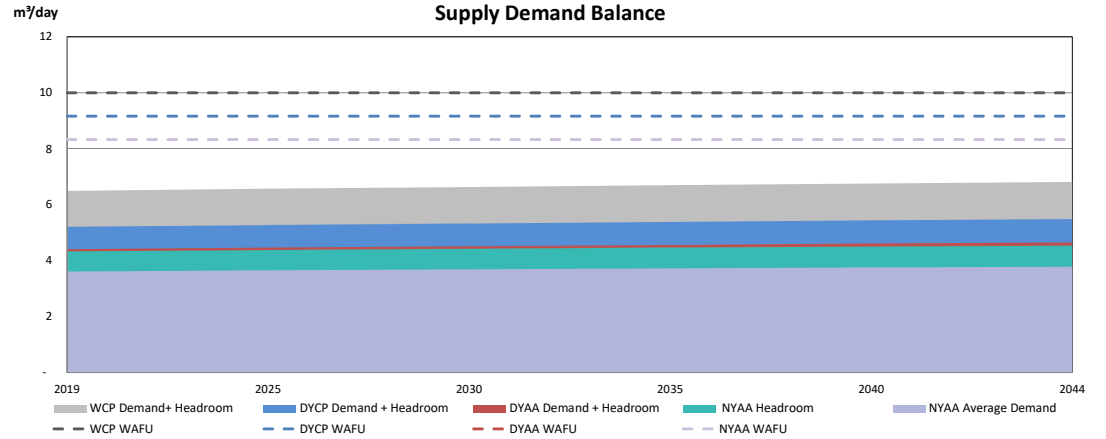
Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	0
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	2
Demand (m³/day)	4

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4	1	4	4	5	6
2025	4	1	4	4	5	7
2030	4	1	4	4	5	7
2035	4	1	4	4	5	7
2040	4	1	4	4	5	7
2044	4	1	4	4	5	7

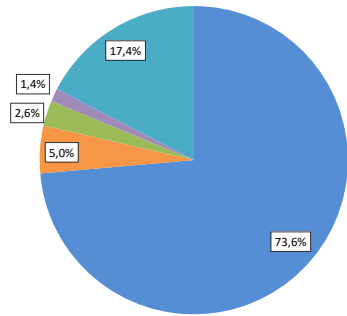
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000715	Stagmount WTP	10	8	9	No Licence	10	22Hr	9	-	9	
TOTAL		10	8	9	-	10		9	-	9	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	8	9	10	4	4	4	4
2025	8	8	9	10	4	4	4	3
2030	8	8	9	10	4	4	4	3
2035	8	8	9	10	4	4	4	3
2040	8	8	9	10	4	4	4	3
2044	8	8	9	10	4	4	4	3

WRZ CODE	0500SC0110	WRZ Name	Castlewrixon	Study Area	J	Study Group		Local Authority	Cork
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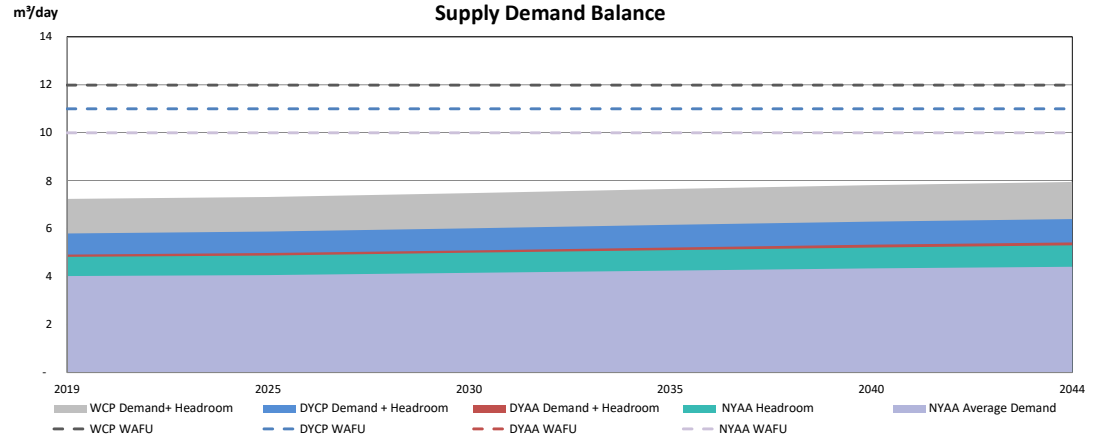
Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	0
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	1
Demand (m³/day)	4

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4	1	5	5	6	7
2025	4	1	5	5	6	7
2030	4	1	5	5	6	7
2035	4	1	5	5	6	8
2040	4	1	5	5	6	8
2044	4	1	5	5	6	8

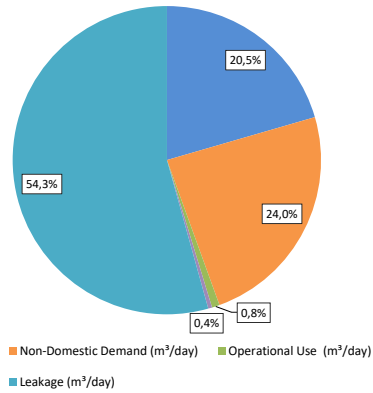
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000507	Castlewrixon WTP	12	10	11	No Licence	11	22Hr	11	-	11	
TOTAL		12	10	11	-	11		11	-	11	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	10	11	12	5	5	5	5
2025	10	10	11	12	5	5	5	5
2030	10	10	11	12	5	5	5	5
2035	10	10	11	12	5	5	5	4
2040	10	10	11	12	5	5	5	4
2044	10	10	11	12	5	5	5	4

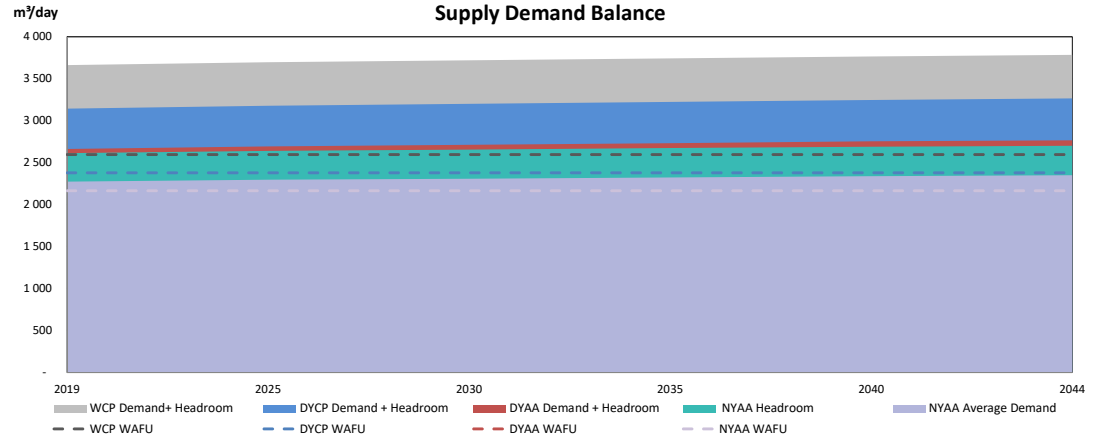
WRZ CODE	0500SC0113	WRZ Name	Allow Regional	Study Area	8	Study Group		Local Authority	Cork
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Base Demand in	2019
Domestic Demand (m ³ /day)	466
Non-Domestic Demand (m ³ /day)	546
Operational Use (m ³ /day)	18
Apparent Losses (m ³ /day)	9
Leakage (m ³ /day)	1 235
Demand (m³/day)	2 275

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 275	341	2 616	2 665	3 144	3 662
2025	2 296	344	2 640	2 694	3 178	3 697
2030	2 310	347	2 657	2 714	3 202	3 720
2035	2 325	349	2 674	2 734	3 226	3 743
2040	2 339	351	2 690	2 754	3 249	3 766
2044	2 351	353	2 704	2 768	3 268	3 785

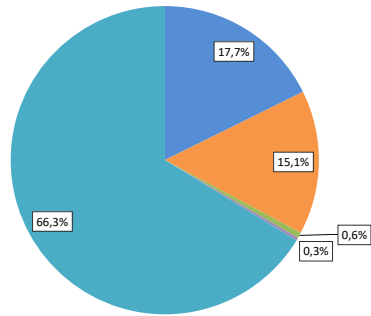
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000406	Freemount WTP	2 600	2 167	2 383	No Licence	2 667	22Hr	2 383	-	2 383	Critical - Low Flow Intervention
TOTAL		2 600	2 167	2 383	-	2 667		2 383	-	2 383	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	2 167	2 167	2 383	2 600	449	498	761	1 062	
2025	2 167	2 167	2 383	2 600	474	527	795	1 097	
2030	2 167	2 167	2 383	2 600	490	547	819	1 120	
2035	2 167	2 167	2 383	2 600	507	567	843	1 143	
2040	2 167	2 167	2 383	2 600	524	588	866	1 166	
2044	2 167	2 167	2 383	2 600	537	601	885	1 185	

WRZ CODE	0500SC0114	WRZ Name	Charleville / Doneraile	Study Area	J	Study Group		Local Authority	Cork
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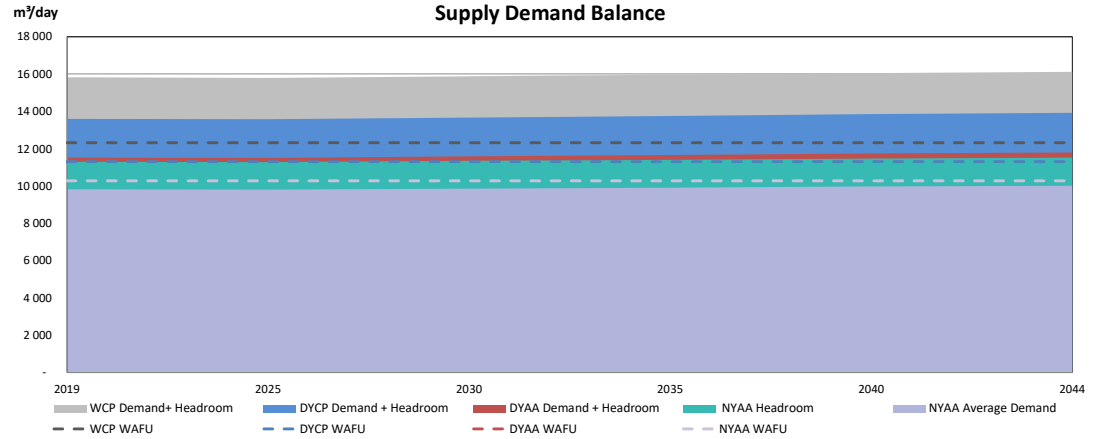
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 741
Non-Domestic Demand (m ³ /day)	1 485
Operational Use (m ³ /day)	58
Apparent Losses (m ³ /day)	30
Leakage (m ³ /day)	6 518
Demand (m³/day)	9 833

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	9 833	1 475	11 308	11 520	13 593	15 831
2025	9 811	1 472	11 283	11 510	13 581	15 796
2030	9 865	1 480	11 345	11 587	13 672	15 883
2035	9 919	1 488	11 407	11 664	13 763	15 970
2040	9 973	1 496	11 469	11 742	13 852	16 057
2044	10 016	1 502	11 519	11 793	13 923	16 126

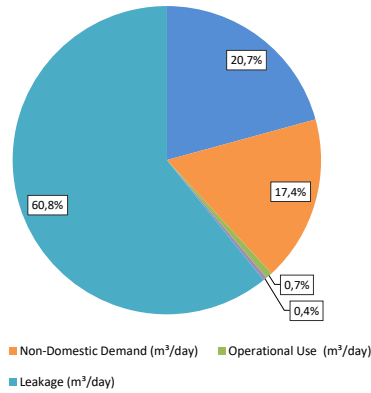
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000621	Doneraile Shanballymore WTP	3 960	3 300	3 630	No Licence	3 793	22Hr	3 630	-	3 630	
WTP0000513	Charleville WTP	8 379	6 983	7 681	No Licence	8 370	22Hr	7 681	-	7 681	Significant Reduction
TOTAL		12 339	10 283	11 311	-	12 163		11 311	-	11 311	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	10 283	10 283	11 311	12 339	1 026	1 237	2 282	3 492	
2025	10 283	10 283	11 311	12 339	1 000	1 228	2 271	3 457	
2030	10 283	10 283	11 311	12 339	1 063	1 305	2 361	3 544	
2035	10 283	10 283	11 311	12 339	1 125	1 382	2 452	3 631	
2040	10 283	10 283	11 311	12 339	1 187	1 460	2 542	3 718	
2044	10 283	10 283	11 311	12 339	1 236	1 511	2 613	3 787	

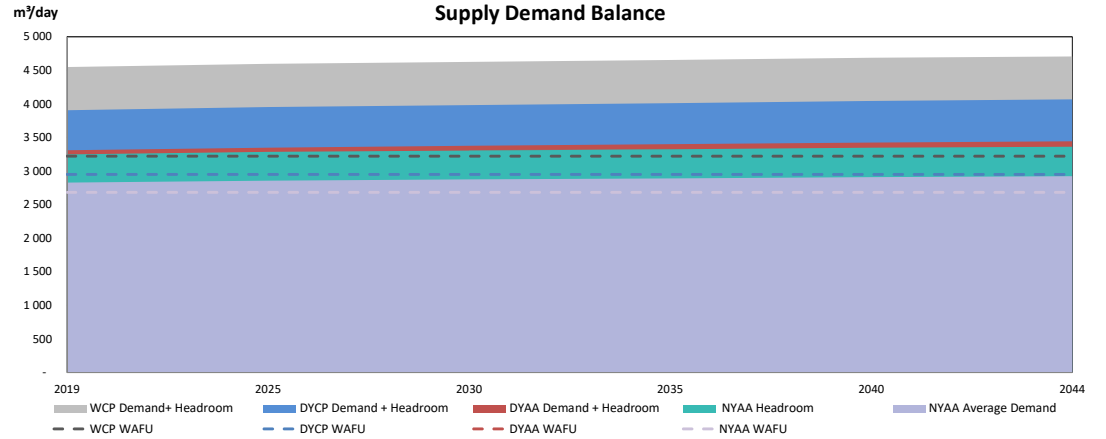
WRZ CODE	0500SC0118	WRZ Name	Ballyhooley	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	586
Non-Domestic Demand (m ³ /day)	491
Operational Use (m ³ /day)	20
Apparent Losses (m ³ /day)	10
Leakage (m ³ /day)	1 719
Demand (m³/day)	2 827

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 827	424	3 251	3 312	3 908	4 552
2025	2 856	428	3 285	3 351	3 954	4 599
2030	2 875	431	3 306	3 376	3 984	4 628
2035	2 893	434	3 327	3 402	4 014	4 657
2040	2 911	437	3 348	3 427	4 043	4 687
2044	2 926	439	3 364	3 444	4 067	4 710

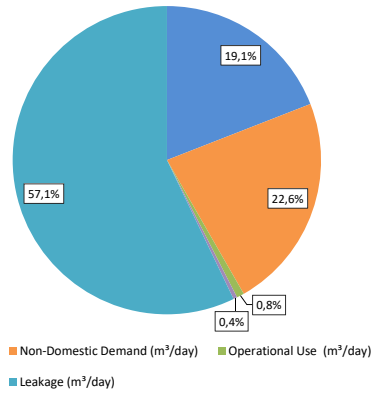
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000340	Ballyvsteen WTP	73	61	67	No Licence	70	22Hr	67	-	67	
WTP0001079	Kilally WTP	200	167	183	No Licence	192	22Hr	183	-	183	Significant Reduction
WTP0001109	Killdorrery WTP	822	685	754	No Licence	787	22Hr	754	-	754	
WTP0000626	Dowing Bridge WTP	928	773	851	No Licence	889	22Hr	851	-	851	
WTP0000495	Castletownroche (Ballyhooley) W	1 200	1 000	1 100	No Licence	1 149	22Hr	1 100	-	1 100	Issue Capacity / Yield (Unknown)
TOTAL		3 223	2 686	2 954	-	3 087		2 954	-	2 954	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	2 686	2 686	2 954	3 223	565	626	954	1 329	1 329
2025	2 686	2 686	2 954	3 223	599	665	1 000	1 376	1 376
2030	2 686	2 686	2 954	3 223	620	691	1 030	1 405	1 405
2035	2 686	2 686	2 954	3 223	641	716	1 059	1 434	1 434
2040	2 686	2 686	2 954	3 223	662	742	1 089	1 464	1 464
2044	2 686	2 686	2 954	3 223	679	759	1 112	1 487	1 487

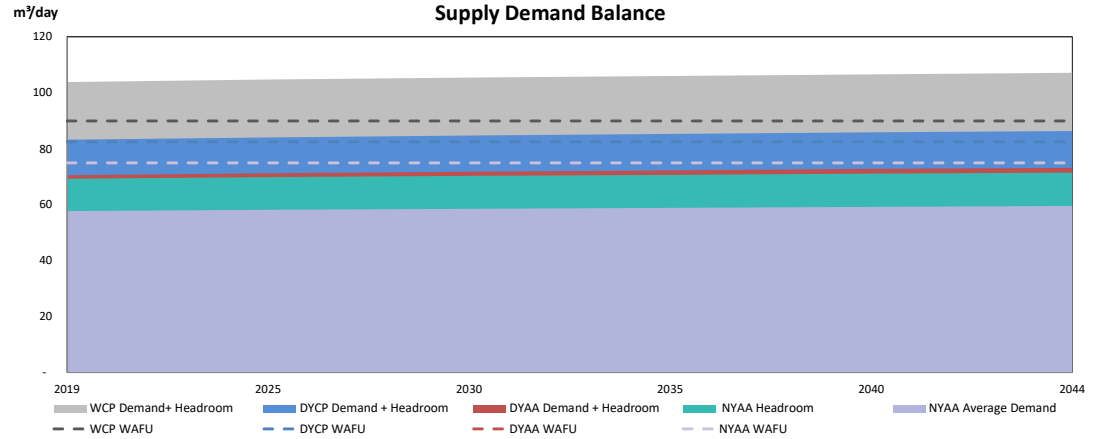
WRZ CODE	0500SC0121	WRZ Name	Macroneoy	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	11
Non-Domestic Demand (m ³ /day)	13
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	33
Demand (m³/day)	58

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	58	12	69	71	83	104
2025	58	12	70	71	84	105
2030	59	12	70	72	85	105
2035	59	12	71	72	85	106
2040	59	12	71	73	86	107
2044	60	12	71	73	86	107

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000201	Macroneoy WTP	90	75	83	No Licence	86	22Hr	83	-	83	Significant Reduction
TOTAL											
		90	75	83	-	86		83	-	83	

WAFU

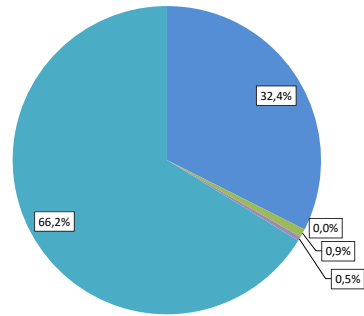
Supply Demand Balance

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	75	75	83	90	6	4	1	14
2025	75	75	83	90	5	4	2	15
2030	75	75	83	90	5	3	2	15
2035	75	75	83	90	4	3	3	16
2040	75	75	83	90	4	2	3	17
2044	75	75	83	90	4	2	4	17

WRZ CODE	0500SC0122	WRZ Name	Ballyvadonna	Study Area	J	Study Group		Local Authority	Cork
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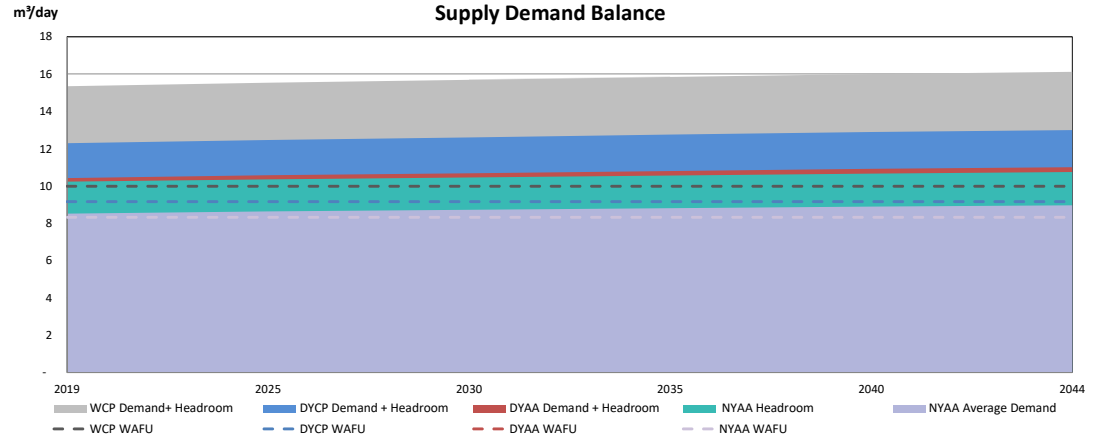
Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	6
Demand (m³/day)	9

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	9	2	10	10	12	15
2025	9	2	10	11	12	16
2030	9	2	10	11	13	16
2035	9	2	11	11	13	16
2040	9	2	11	11	13	16
2044	9	2	11	11	13	16

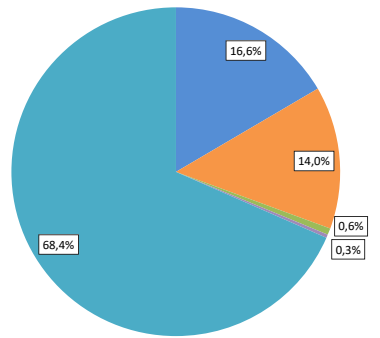
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000338	Ballyvadonna WTP	10	8	9	No Licence	10	22Hr	9	-	9	
TOTAL		10	8	9	-	10		9	-	9	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	8	9	10	2	2	3	5
2025	8	8	9	10	2	2	3	6
2030	8	8	9	10	2	2	3	6
2035	8	8	9	10	2	2	4	6
2040	8	8	9	10	2	3	4	6
2044	8	8	9	10	2	3	4	6

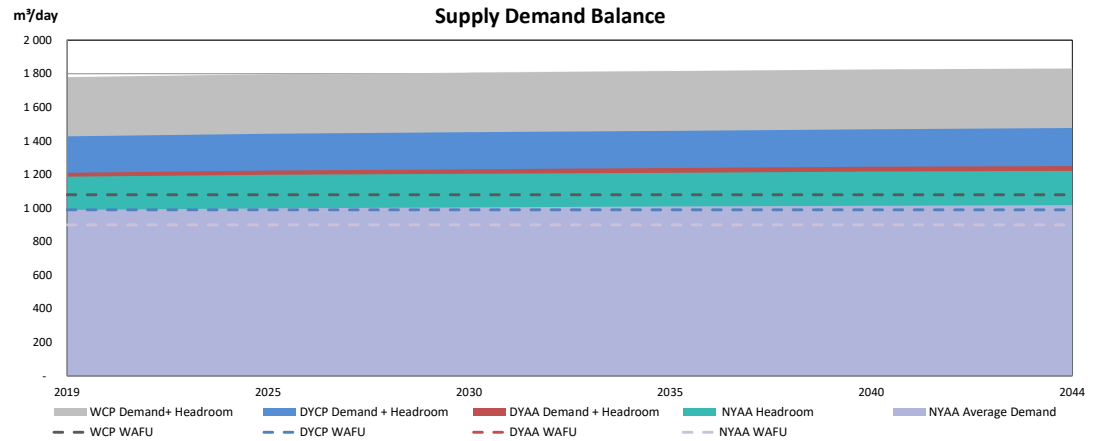
WRZ CODE	0500SC0124	WRZ Name	Castletownroche	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in	2019
Domestic Demand (m ³ /day)	164
Non-Domestic Demand (m ³ /day)	139
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	677
Demand (m³/day)	989

Components of Base Demand 2019



- Domestic Demand (m³/day)
- Non-Domestic Demand (m³/day)
- Operational Use (m³/day)
- Apparent Losses (m³/day)
- Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	989	198	1 187	1 209	1 427	1 781
2025	999	200	1 198	1 222	1 442	1 798
2030	1 004	201	1 204	1 230	1 452	1 807
2035	1 009	202	1 211	1 238	1 461	1 816
2040	1 014	203	1 217	1 246	1 469	1 825
2044	1 018	204	1 222	1 251	1 477	1 832

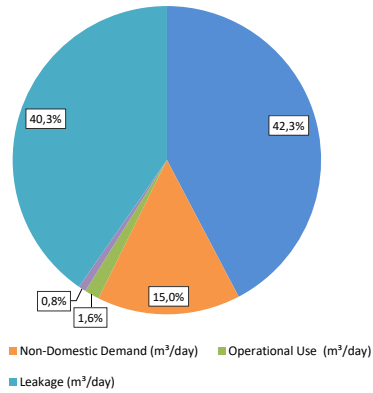
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000496	Castletownroche WTP	1 080	900	990	No Licence	1 034	22Hr	990	-	990	
TOTAL		1 080	900	990	-	1 034		990	-	990	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	900	900	990	1 080	287	309	437	701	437	701
2025	900	900	990	1 080	298	322	452	718	452	718
2030	900	900	990	1 080	304	330	462	727	462	727
2035	900	900	990	1 080	311	338	471	736	471	736
2040	900	900	990	1 080	317	346	479	745	479	745
2044	900	900	990	1 080	322	351	487	752	487	752

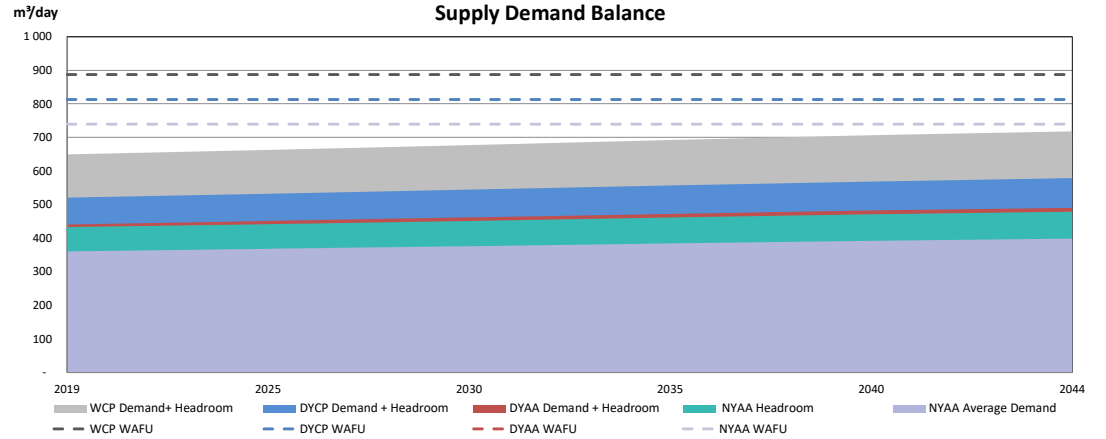
WRZ CODE	0500SC0126	WRZ Name	Dromahane / Kilcolman / Cois	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	153
Non-Domestic Demand (m ³ /day)	54
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	146
Demand (m³/day)	361

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	361	72	433	441	521	650
2025	368	74	442	451	532	663
2030	377	75	452	461	545	678
2035	385	77	462	472	557	692
2040	393	79	471	482	569	707
2044	399	80	479	490	579	718

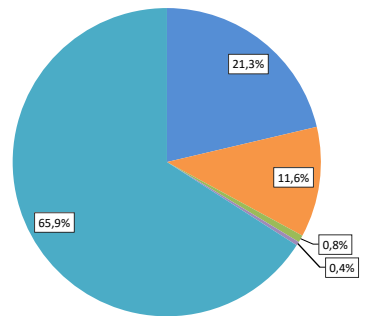
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001090	Kilcolman WTP	100	83	92	No Licence	96	22Hr	92	-	92	
WTP0000546	Cois Tobair WTP	300	250	275	No Licence	287	22Hr	275	-	275	
WTP0000462	Hammond Place WTP	488	407	447	No Licence	467	22Hr	447	-	447	
TOTAL		888	740	814	-	851		814	-	814	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	740	740	814	888	307	299	293	238	
2025	740	740	814	888	298	289	282	225	
2030	740	740	814	888	288	279	269	210	
2035	740	740	814	888	278	268	257	196	
2040	740	740	814	888	269	258	245	181	
2044	740	740	814	888	261	250	235	170	

WRZ CODE	0500SC0128	WRZ Name	Killavullen	Study Area	J	Study Group		Local Authority	Cork
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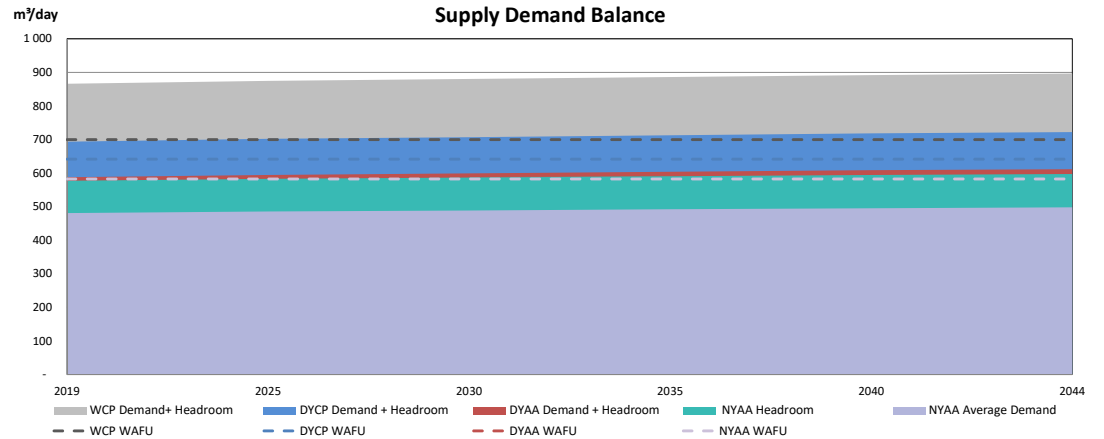
Base Demand in 2019	
Domestic Demand (m ³ /day)	103
Non-Domestic Demand (m ³ /day)	56
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	317
Demand (m³/day)	481

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	481	96	577	588	694	866
2025	486	97	583	595	702	875
2030	489	98	587	599	707	880
2035	492	98	591	604	713	886
2040	495	99	595	609	718	892
2044	498	100	598	612	722	896

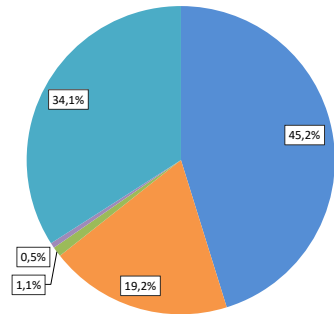
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001106	Killavullen WTP	700	583	642	No Licence	958	22Hr	642	-	642	
TOTAL		700	583	642	-	958		642	-	642	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WCP (m ³ /day)
2019	583	583	642	700	6	5	52	166	642	166
2025	583	583	642	700	0	11	60	175	642	175
2030	583	583	642	700	4	16	66	180	642	180
2035	583	583	642	700	7	21	71	186	642	186
2040	583	583	642	700	11	25	76	192	642	192
2044	583	583	642	700	14	28	81	196	642	196

WRZ CODE	0500SC0130	WRZ Name	Lombardstown_Glantane	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	142
Non-Domestic Demand (m ³ /day)	60
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	107
Demand (m³/day)	313

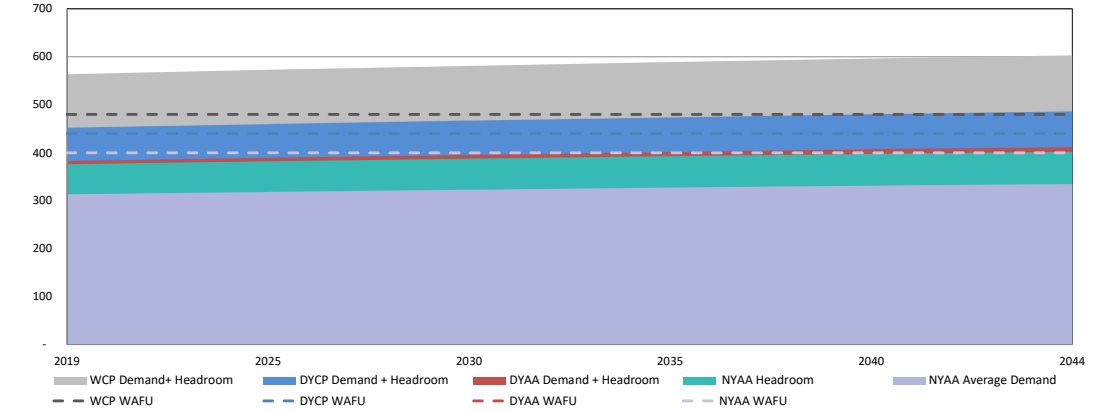
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	313	63	376	383	452	564
2025	318	64	382	390	460	573
2030	323	65	387	395	467	581
2035	327	65	392	401	474	589
2040	331	66	398	407	480	597
2044	335	67	402	412	486	603

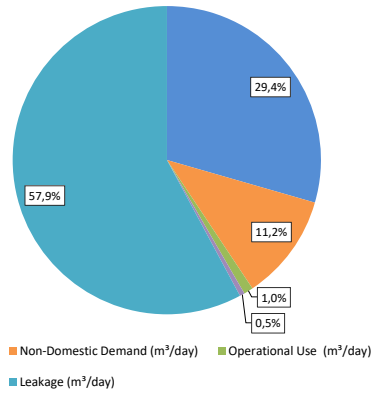
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000114	Laharan Cross WTP	240	200	220	No Licence	230	22Hr	220	-	220	
WTP0001179	Laharan Abbeys Well WTP	240	200	220	No Licence	230	22Hr	220	-	220	Significant Reduction
TOTAL		480	400	440	-	460		440	-	440	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	400	400	440	480	24	17	-	12	-	84		
2025	400	400	440	480	18	10	-	20	-	93		
2030	400	400	440	480	13	5	-	27	-	101		
2035	400	400	440	480	8	1	-	34	-	109		
2040	400	400	440	480	2	7	-	40	-	117		
2044	400	400	440	480	2	12	-	46	-	123		

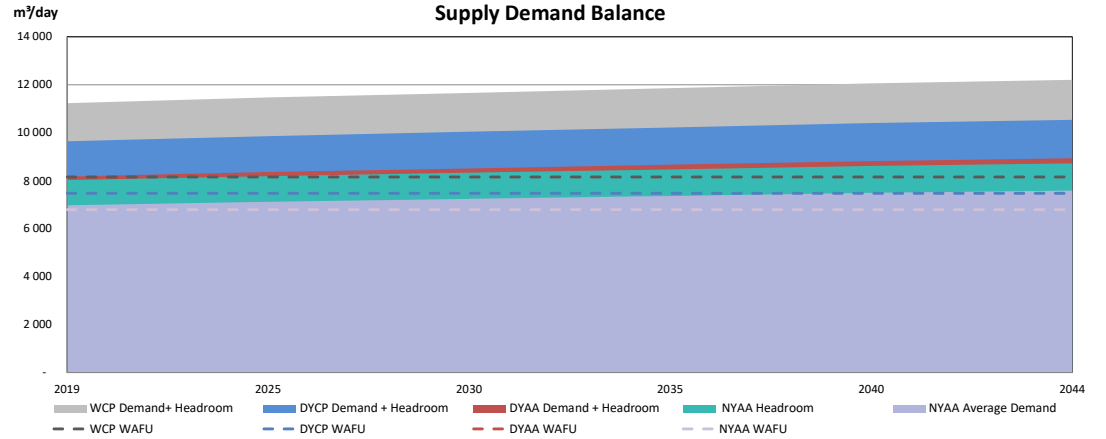
WRZ CODE	0500SC0131	WRZ Name	Mallow	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	2 055
Non-Domestic Demand (m ³ /day)	780
Operational Use (m ³ /day)	69
Apparent Losses (m ³ /day)	36
Leakage (m ³ /day)	4 040
Demand (m³/day)	6 979

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	6 979	1 047	8 026	8 177	9 648	11 237
2025	7 125	1 069	8 194	8 359	9 863	11 471
2030	7 246	1 087	8 333	8 511	10 042	11 666
2035	7 367	1 105	8 473	8 664	10 223	11 862
2040	7 489	1 123	8 612	8 817	10 402	12 057
2044	7 586	1 138	8 724	8 931	10 545	12 213

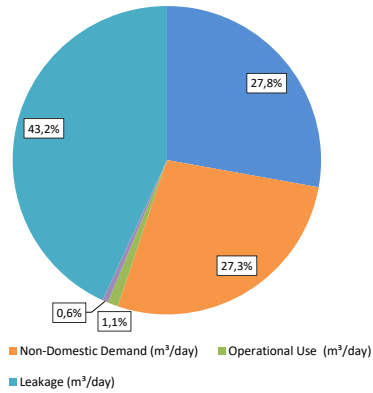
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000646	Rahan WTP	158	132	145	No Licence	151	22Hr	145	-	145	
WTP0001225	Box Cross WTP	2 500	2 083	2 292	No Licence	7 661	22Hr	2 292	-	2 292	Significant Reduction
WTP0000207	Mallow WTP	5 500	4 583	5 042	No Licence	10 049	22Hr	5 042	-	5 042	Critical - Low Flow Intervention
TOTAL		8 158	6 798	7 478	-	17 862		7 478	-	7 478	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)				
2019	6 798	6 798	7 478	8 158	-	1 228	-	1 378	-	2 170	-	3 079
2025	6 798	6 798	7 478	8 158	-	1 395	-	1 560	-	2 384	-	3 313
2030	6 798	6 798	7 478	8 158	-	1 535	-	1 713	-	2 564	-	3 508
2035	6 798	6 798	7 478	8 158	-	1 674	-	1 865	-	2 744	-	3 704
2040	6 798	6 798	7 478	8 158	-	1 814	-	2 019	-	2 924	-	3 899
2044	6 798	6 798	7 478	8 158	-	1 925	-	2 133	-	3 067	-	4 055

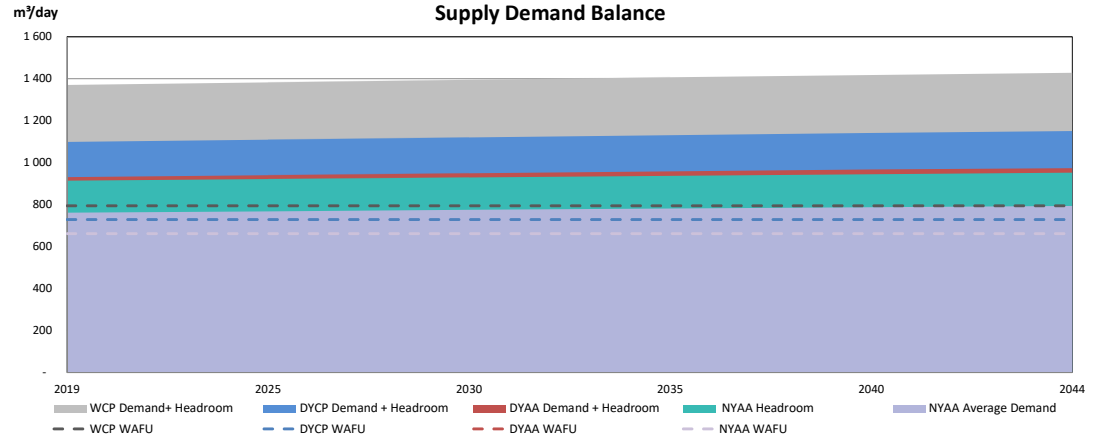
WRZ CODE	0500SC0136	WRZ Name	Banteer	Study Area	J	Study Group	Local Authority	Cork
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Base Demand in	2019
Domestic Demand (m ³ /day)	212
Non-Domestic Demand (m ³ /day)	208
Operational Use (m ³ /day)	8
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	329
Demand (m³/day)	762

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	762	152	914	931	1 098	1 371
2025	768	154	922	941	1 110	1 383
2030	775	155	930	950	1 121	1 395
2035	782	156	938	959	1 132	1 407
2040	788	158	946	968	1 142	1 419
2044	793	159	952	975	1 151	1 428

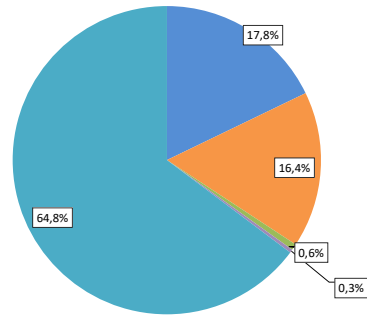
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000644	Creggane WTP	96	80	88	No Licence	125	22Hr	88	-	88	Significant Reduction
WTP0000696	Poulgrom WTP	700	583	642	No Licence	1 916	22Hr	642	-	642	
TOTAL		796	663	730	-	2 040		730	-	730	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	663	663	730	796	250	268	369	575	
2025	663	663	730	796	259	277	380	587	
2030	663	663	730	796	267	287	391	599	
2035	663	663	730	796	275	296	402	611	
2040	663	663	730	796	282	305	413	623	
2044	663	663	730	796	289	311	421	632	

WRZ CODE	0500SC0138	WRZ Name	Millstreet	Study Area	J	Study Group		Local Authority	Cork
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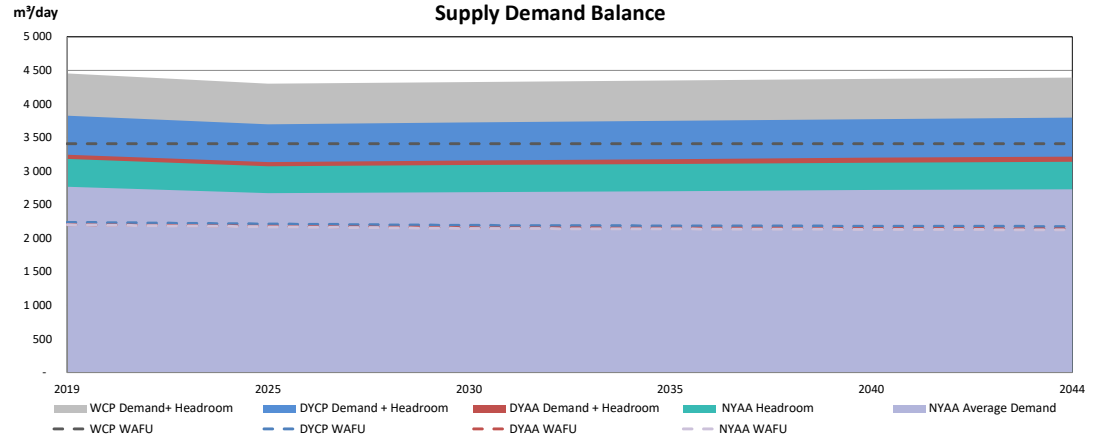
Base Demand in	2019
Domestic Demand (m ³ /day)	494
Non-Domestic Demand (m ³ /day)	454
Operational Use (m ³ /day)	18
Apparent Losses (m ³ /day)	9
Leakage (m ³ /day)	1 794
Demand (m³/day)	2 768

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 768	415	3 184	3 243	3 827	4 457
2025	2 672	401	3 073	3 134	3 698	4 302
2030	2 687	403	3 090	3 156	3 724	4 326
2035	2 702	405	3 108	3 178	3 750	4 351
2040	2 718	408	3 125	3 200	3 775	4 375
2044	2 730	409	3 139	3 214	3 795	4 395

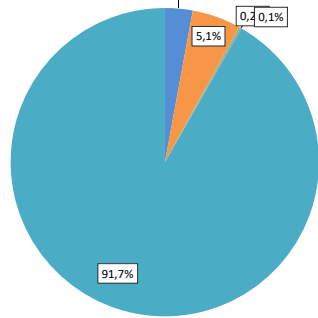
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000544	Cockhill WTP	10	8	9	No Licence	10	22Hr	9	-	9	
WTP0000332	Caherbarnagh WTP	400	333	367	No Licence	383	22Hr	367	-	367	Significant Reduction
WTP0000167	Millstreet WTP	3 000	2 500	2 750	No Licence	1 820	Yield	1 802	-	1 802	
TOTAL		3 410	2 842	3 126	-	2 213		2 177	-	2 177	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	2 203	2 206	2 240	3 410	981	1 037	1 587	1 047	
2025	2 173	2 181	2 215	3 410	899	954	1 483	892	
2030	2 148	2 160	2 194	3 410	942	996	1 530	916	
2035	2 141	2 154	2 188	3 410	967	1 024	1 562	941	
2040	2 134	2 148	2 182	3 410	991	1 052	1 593	965	
2044	2 129	2 143	2 177	3 410	1 011	1 071	1 617	985	

WRZ CODE	0500SC0139	WRZ Name	Toureen Derry	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	6
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	103
Demand (m³/day)	112

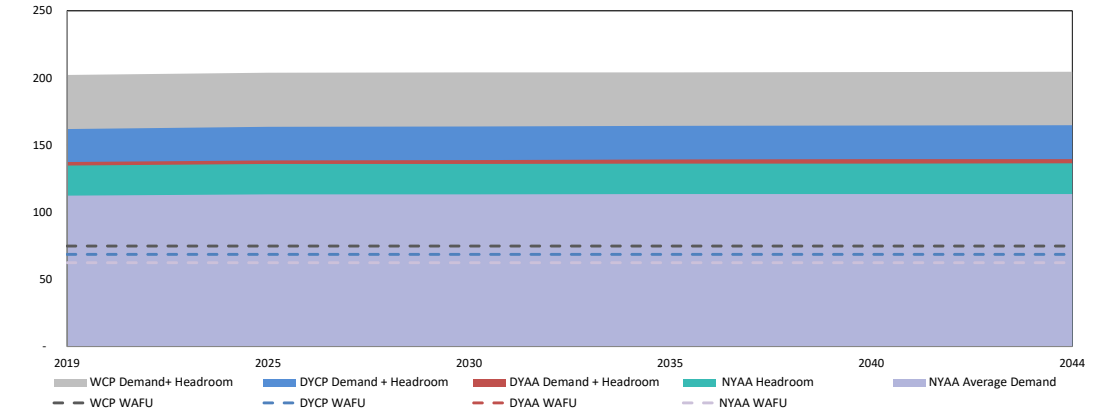
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	112	22	135	137	162	202
2025	113	23	136	139	164	204
2030	113	23	136	139	164	204
2035	113	23	136	139	164	204
2040	114	23	136	140	165	204
2044	114	23	136	140	165	205

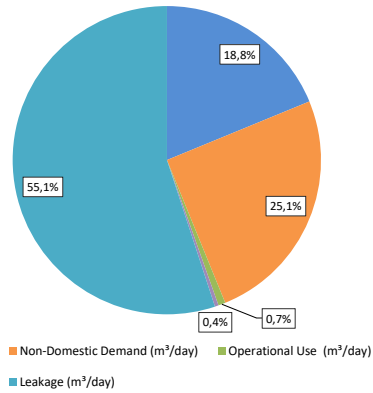
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000605	Derry WTP	75	63	69	No Licence	72	22Hr	69	-	69	
TOTAL		75	63	69	-	72		69	-	69	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU (m ³ /day)
2019	63	63	69	75	72	75	93	127		
2025	63	63	69	75	73	76	95	129		
2030	63	63	69	75	74	76	95	129		
2035	63	63	69	75	74	77	96	129		
2040	63	63	69	75	74	77	96	129		
2044	63	63	69	75	74	77	96	130		

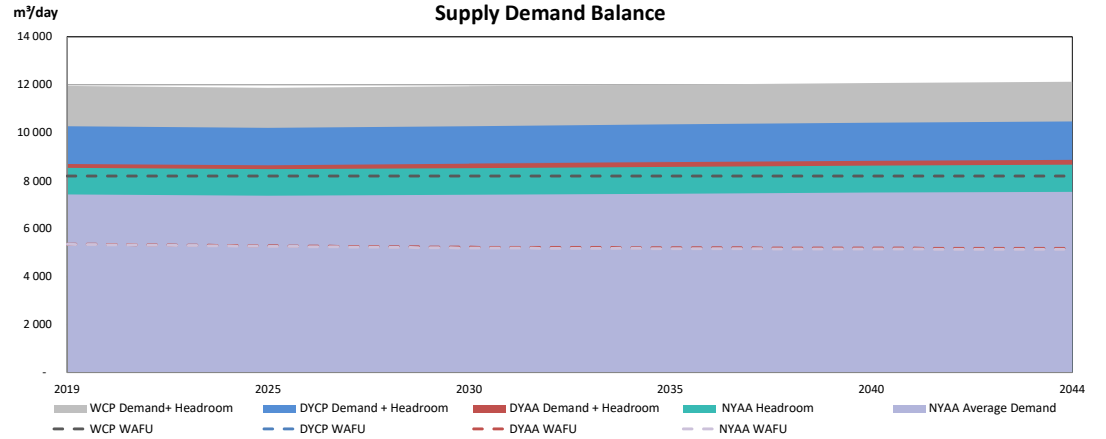
WRZ CODE	0500SC0143	WRZ Name	Newmarket	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 394
Non-Domestic Demand (m ³ /day)	1 861
Operational Use (m ³ /day)	54
Apparent Losses (m ³ /day)	28
Leakage (m ³ /day)	4 089
Demand (m³/day)	7 426

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7 426	1 114	8 540	8 700	10 265	11 956
2025	7 372	1 106	8 478	8 649	10 205	11 869
2030	7 416	1 112	8 528	8 710	10 277	11 939
2035	7 459	1 119	8 578	8 771	10 349	12 009
2040	7 502	1 125	8 627	8 833	10 420	12 078
2044	7 536	1 130	8 667	8 873	10 476	12 134

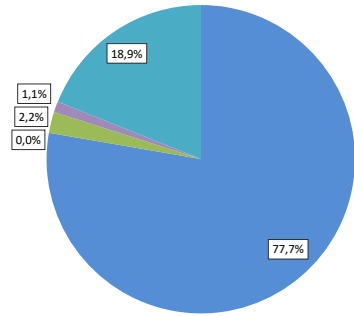
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000077	Ballinatona WTP	8 200	6 833	7 517	No Licence	5 236	Yield	5 184	-	5 184	Significant Reduction
TOTAL		8 200	6 833	7 517	-	5 236		5 184	-	5 184	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	5 355	5 364	5 364	8 200	3 185	3 336	4 901	3 756	3 185	3 336	4 901
2025	5 269	5 292	5 292	8 200	3 209	3 357	4 914	3 669	3 209	3 357	4 914
2030	5 198	5 231	5 231	8 200	3 330	3 478	5 046	3 739	3 330	3 478	5 046
2035	5 176	5 213	5 213	8 200	3 401	3 558	5 136	3 809	3 401	3 558	5 136
2040	5 157	5 197	5 197	8 200	3 470	3 636	5 223	3 878	3 470	3 636	5 223
2044	5 141	5 184	5 184	8 200	3 526	3 690	5 293	3 934	3 526	3 690	5 293

WRZ CODE	0500SC0144	WRZ Name	Kilbrin Garran an Darra	Study Area	J	Study Group		Local Authority	Cork
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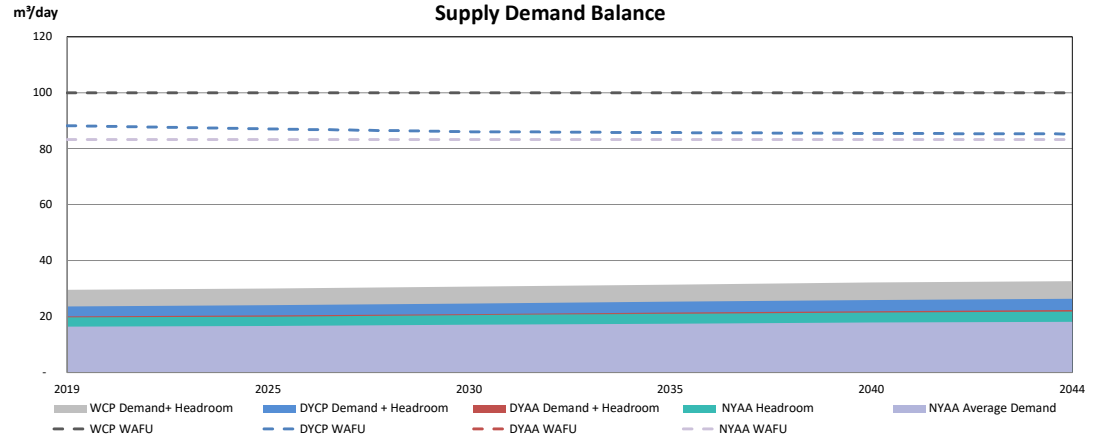
Base Demand in 2019	
Domestic Demand (m ³ /day)	13
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	3
Demand (m³/day)	16

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	16	3	20	20	24	30
2025	17	3	20	20	24	30
2030	17	3	20	21	25	31
2035	17	3	21	21	25	31
2040	18	4	21	22	26	32
2044	18	4	22	22	26	33

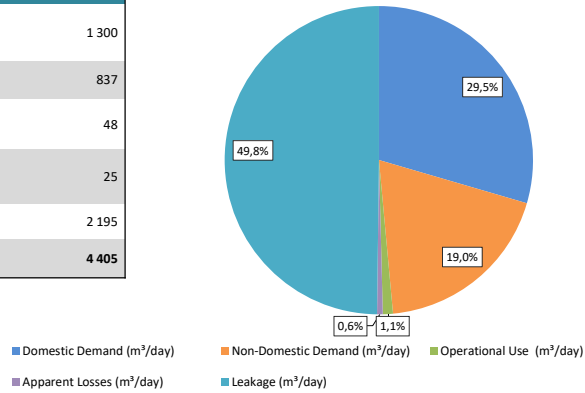
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001087	Kilbrin WTP	100	83	92	No Licence	86	Yield	85	-	85	Significant Reduction
TOTAL		100	83	92	-	86		85	-	85	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	83	83	88	100	64	63	65	70
2025	83	83	87	100	63	63	63	70
2030	83	83	86	100	63	62	61	69
2035	83	83	86	100	62	62	61	69
2040	83	83	86	100	62	61	60	68
2044	83	83	85	100	62	61	59	67

WRZ CODE	0500SC0145	WRZ Name	Bandon Regional	Study Area	I	Study Group	Local Authority	Cork
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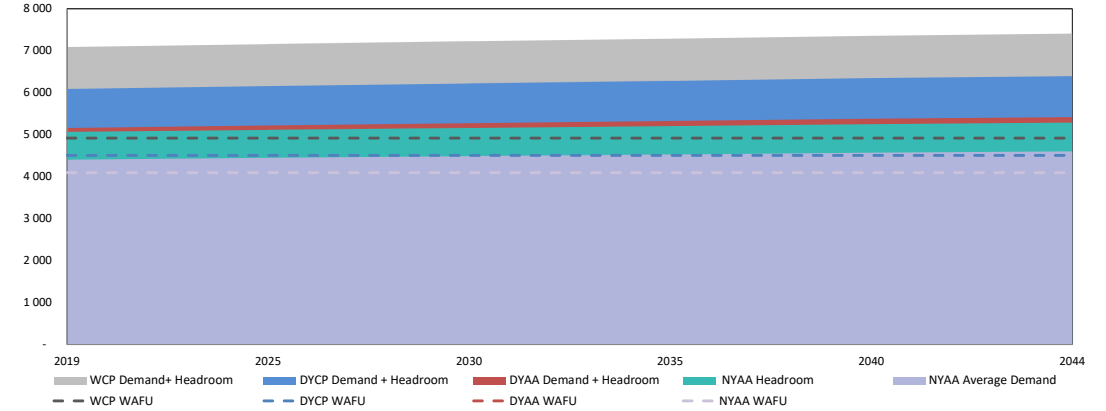
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 300
Non-Domestic Demand (m ³ /day)	837
Operational Use (m ³ /day)	48
Apparent Losses (m ³ /day)	25
Leakage (m ³ /day)	2 195
Demand (m³/day)	4 405

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4 405	661	5 066	5 161	6 089	7 092
2025	4 449	667	5 116	5 219	6 158	7 162
2030	4 489	673	5 162	5 272	6 221	7 227
2035	4 529	679	5 208	5 326	6 284	7 292
2040	4 569	685	5 255	5 380	6 347	7 357
2044	4 602	690	5 292	5 418	6 397	7 409

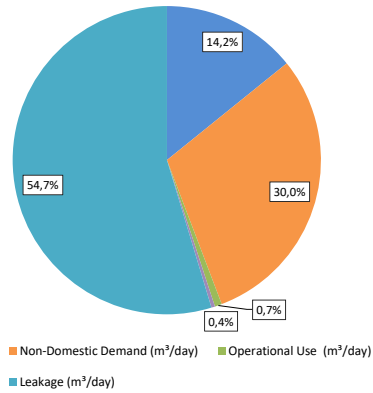
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000335	Carhue WTP	4 920	4 100	4 510	No Licence	27 493	22Hr	4 510	-	4 510	
TOTAL		4 920	4 100	4 510	-	27 493		4 510	-	4 510	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	4 100	4 100	4 510	4 920	966	1 061	1 579	2 172	
2025	4 100	4 100	4 510	4 920	1 016	1 119	1 648	2 242	
2030	4 100	4 100	4 510	4 920	1 062	1 172	1 711	2 307	
2035	4 100	4 100	4 510	4 920	1 108	1 226	1 774	2 372	
2040	4 100	4 100	4 510	4 920	1 155	1 280	1 837	2 437	
2044	4 100	4 100	4 510	4 920	1 192	1 318	1 887	2 489	

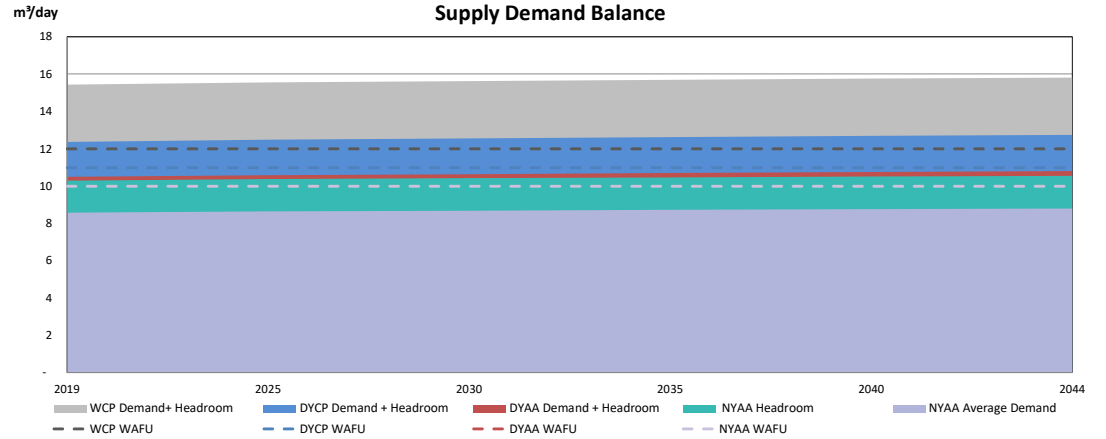
WRZ CODE	0500SC0146	WRZ Name	Clashanamid	Study Area	I	Study Group	Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	5
Demand (m³/day)	9

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	9	2	10	10	12	15
2025	9	2	10	11	12	16
2030	9	2	10	11	13	16
2035	9	2	10	11	13	16
2040	9	2	11	11	13	16
2044	9	2	11	11	13	16

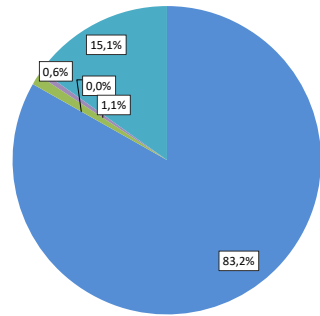
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000519	Clashanamid WTP	12	10	11	No Licence	11	22Hr	11	-	11	
TOTAL		12	10	11	-	11		11	-	11	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	10	11	12	0	0	1	3
2025	10	10	11	12	0	1	1	4
2030	10	10	11	12	0	1	2	4
2035	10	10	11	12	0	1	2	4
2040	10	10	11	12	1	1	2	4
2044	10	10	11	12	1	1	2	4

WRZ CODE	0500SC0147	WRZ Name	Ratheroon	Study Area	I	Study Group		Local Authority	Cork
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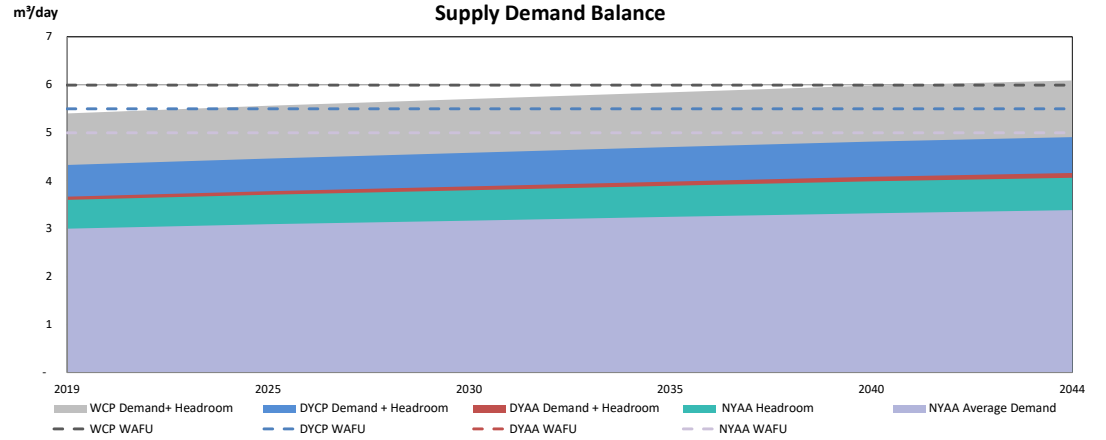
Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	0
Demand (m³/day)	3

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3	1	4	4	4	5
2025	3	1	4	4	4	6
2030	3	1	4	4	5	6
2035	3	1	4	4	5	6
2040	3	1	4	4	5	6
2044	3	1	4	4	5	6

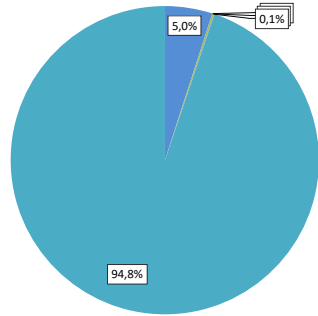
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000655	Ratheroon WTP	6	5	6	No Licence	6	22Hr	6	-	6	
TOTAL		6	5	6	-	6		6	-	6	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5	5	6	6	1	1	1	1
2025	5	5	6	6	1	1	1	0
2030	5	5	6	6	1	1	1	0
2035	5	5	6	6	1	1	1	0
2040	5	5	6	6	1	1	1	0
2044	5	5	6	6	1	1	1	0

WRZ CODE	0500SC0152	WRZ Name	Bayview	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	42
Demand (m³/day)	44

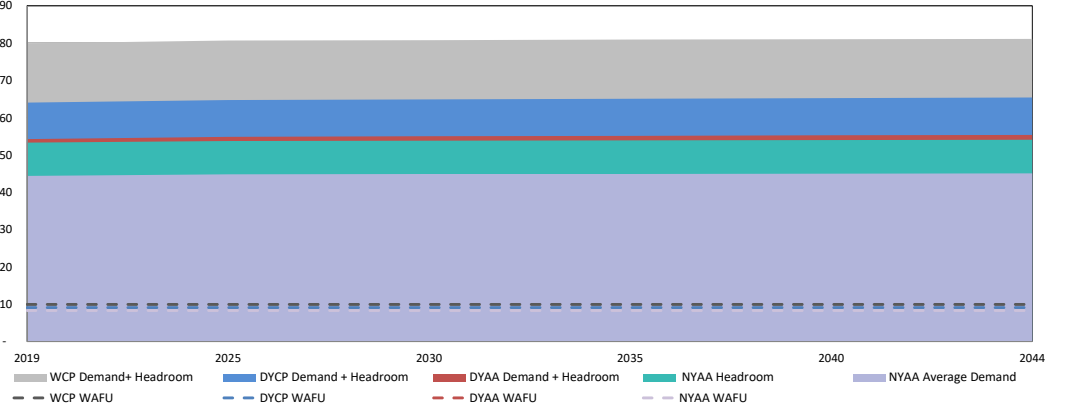
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	44	9	53	54	64	80
2025	45	9	54	55	65	81
2030	45	9	54	55	65	81
2035	45	9	54	55	65	81
2040	45	9	54	55	65	81
2044	45	9	54	55	65	81

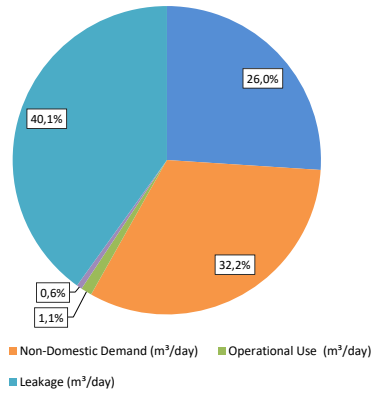
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000295	Bayview WTP	10	8	9	No Licence	10	22Hr	9	-	9	
TOTAL		10	8	9	-	10		9	-	9	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	8	9	10	45	46	55	70
2025	8	8	9	10	45	47	56	71
2030	8	8	9	10	46	47	56	71
2035	8	8	9	10	46	47	56	71
2040	8	8	9	10	46	47	56	71
2044	8	8	9	10	46	47	56	71

WRZ CODE	0500SC0153	WRZ Name	Clonakilty	Study Area	I	Study Group	Local Authority	Cork
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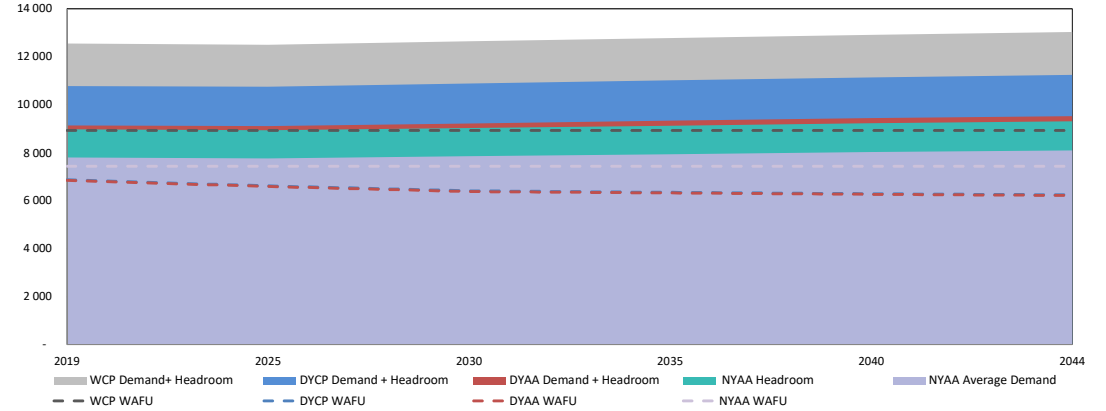
Base Demand in 2019	
Domestic Demand (m ³ /day)	2 028
Non-Domestic Demand (m ³ /day)	2 510
Operational Use (m ³ /day)	89
Apparent Losses (m ³ /day)	46
Leakage (m ³ /day)	3 128
Demand (m³/day)	7 801

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7 801	1 170	8 971	9 139	10 783	12 559
2025	7 767	1 165	8 932	9 112	10 752	12 505
2030	7 853	1 178	9 031	9 223	10 883	12 643
2035	7 938	1 191	9 129	9 335	11 015	12 781
2040	8 024	1 204	9 227	9 447	11 145	12 918
2044	8 092	1 214	9 306	9 528	11 249	13 029

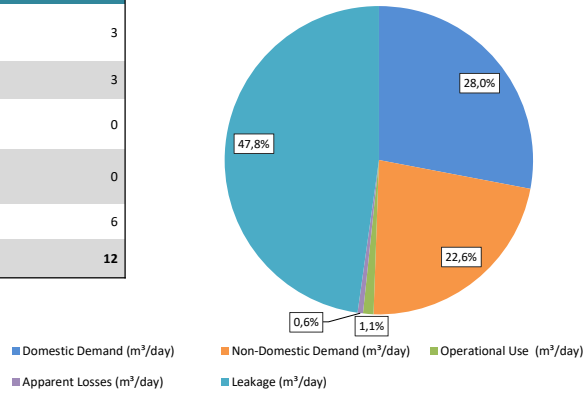
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001187	Leap WTP	330	275	303	No Licence	775	22Hr	303	-	303	
WTP0000584	Clonakilty (Jones Bridge) WTP	8 600	7 167	7 883	No Licence	6 430	Yield	5 947	-	5 947	Critical - Low Flow Intervention
TOTAL		8 930	7 442	8 186	-	7 205		6 250	-	6 250	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	7 442	6 848	6 876	8 930	1 529	2 291	3 908	3 629	3 629
2025	7 442	6 597	6 625	8 930	1 491	2 515	4 127	3 575	3 575
2030	7 442	6 388	6 416	8 930	1 589	2 835	4 467	3 713	3 713
2035	7 442	6 326	6 353	8 930	1 687	3 009	4 661	3 851	3 851
2040	7 442	6 268	6 296	8 930	1 786	3 179	4 849	3 988	3 988
2044	7 442	6 222	6 250	8 930	1 865	3 305	4 999	4 099	4 099

WRZ CODE	0500SC0154	WRZ Name	Lyre Clonakilty	Study Area	I	Study Group		Local Authority	Cork
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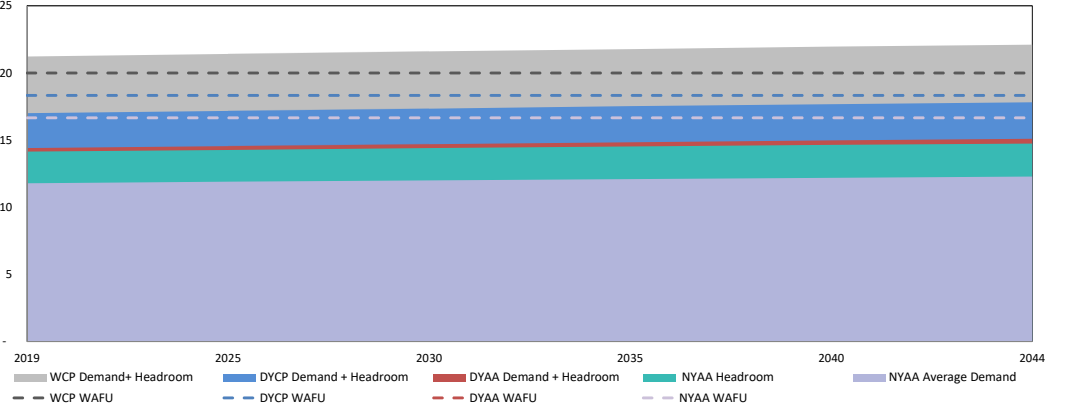
Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	6
Demand (m³/day)	12

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	12	2	14	14	17	21
2025	12	2	14	15	17	21
2030	12	2	14	15	17	22
2035	12	2	15	15	18	22
2040	12	2	15	15	18	22
2044	12	2	15	15	18	22

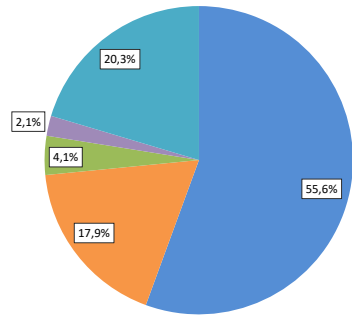
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000137	Lyre WTP	20	17	18	No Licence	19	22Hr	18	-	18	
TOTAL		20	17	18	-	19		18	-	18	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	17	17	18	20	3	2	1	1
2025	17	17	18	20	2	2	1	1
2030	17	17	18	20	2	2	1	2
2035	17	17	18	20	2	2	1	2
2040	17	17	18	20	2	2	1	2
2044	17	17	18	20	2	2	1	2

WRZ CODE	0500SC0155	WRZ Name	Cape Clear	Study Area	I	Study Group		Local Authority	Cork
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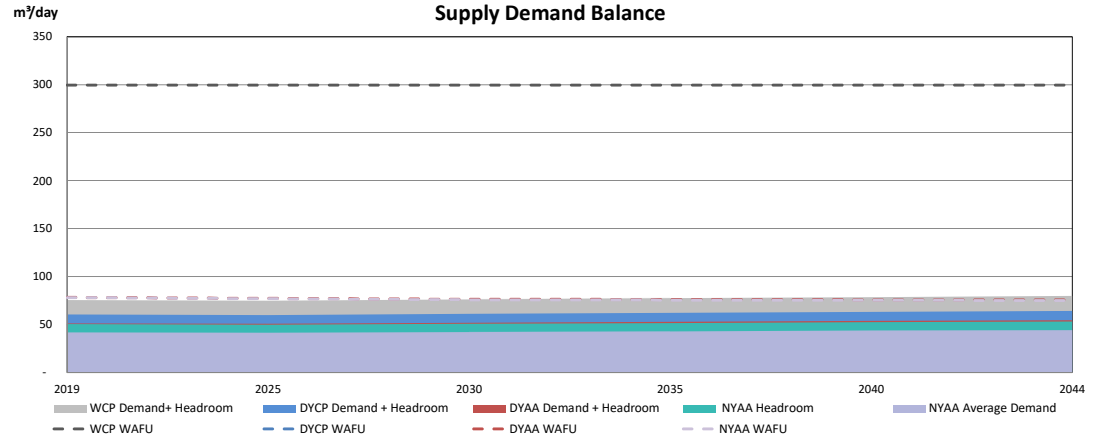
Base Demand in 2019	
Domestic Demand (m ³ /day)	23
Non-Domestic Demand (m ³ /day)	8
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	9
Demand (m³/day)	42

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	42	8	50	51	61	76
2025	42	8	50	51	60	75
2030	42	8	51	52	61	76
2035	43	9	52	53	62	77
2040	44	9	52	54	63	79
2044	44	9	53	54	64	80

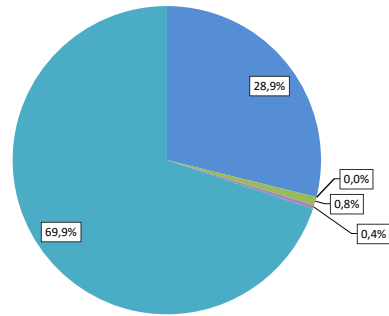
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001006	Cape Clear WTP	300	250	275	No Licence	77	Yield	76	-	76	Significant Reduction
TOTAL		300	250	275	-	77		76	-	76	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WAFU (m ³ /day)
2019	78	78	78	300	28	27	18	224	78	78
2025	77	77	77	300	27	27	17	225	77	77
2030	76	77	77	300	25	25	15	224	76	77
2035	76	76	76	300	24	24	14	223	76	76
2040	75	76	76	300	23	22	13	221	75	76
2044	75	76	76	300	22	21	12	220	75	76

WRZ CODE	0500SC0157	WRZ Name	Bilberry	Study Area	I	Study Group		Local Authority	Cork
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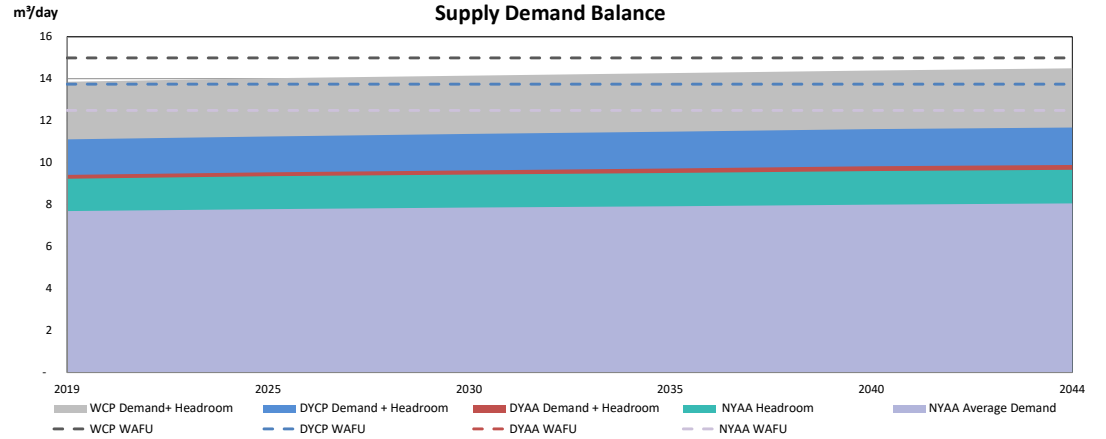
Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	5
Demand (m³/day)	8

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	2	9	9	11	14
2025	8	2	9	10	11	14
2030	8	2	9	10	11	14
2035	8	2	10	10	11	14
2040	8	2	10	10	12	14
2044	8	2	10	10	12	14

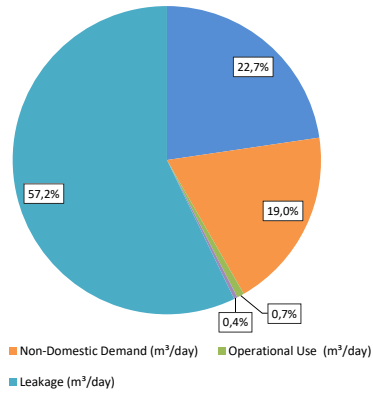
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000305	Bilberry WTP	15	13	14	No Licence	14	22Hr	14	-	14	
TOTAL		15	13	14	-	14		14	-	14	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	13	13	14	15	3	3	3	1
2025	13	13	14	15	3	3	2	1
2030	13	13	14	15	3	3	2	1
2035	13	13	14	15	3	3	2	1
2040	13	13	14	15	3	3	2	1
2044	13	13	14	15	3	3	2	1

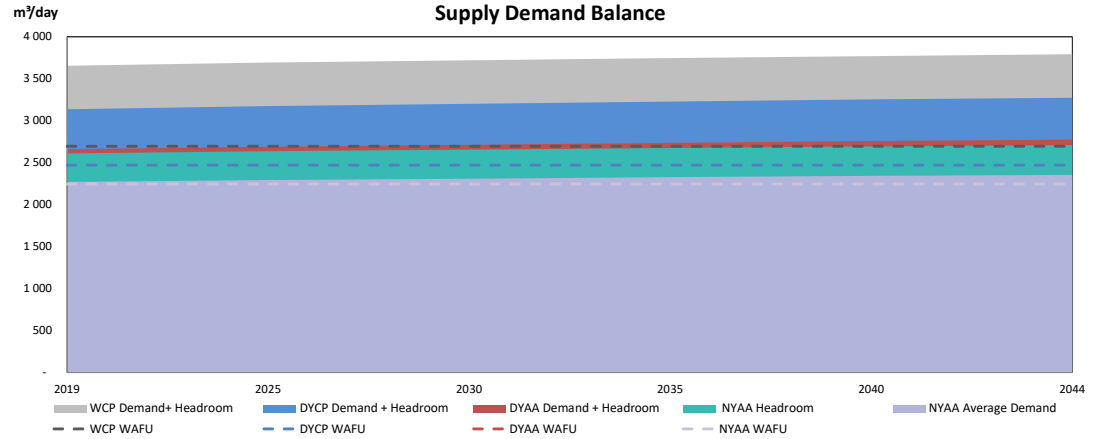
WRZ CODE	0500SC0158	WRZ Name	Cloyne	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in	2019
Domestic Demand (m ³ /day)	514
Non-Domestic Demand (m ³ /day)	432
Operational Use (m ³ /day)	17
Apparent Losses (m ³ /day)	9
Leakage (m ³ /day)	1 298
Demand (m³/day)	2 270

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 270	341	2 611	2 659	3 138	3 655
2025	2 295	344	2 639	2 692	3 177	3 695
2030	2 311	347	2 657	2 714	3 202	3 720
2035	2 327	349	2 676	2 736	3 228	3 746
2040	2 343	351	2 694	2 758	3 254	3 772
2044	2 355	353	2 709	2 773	3 274	3 792

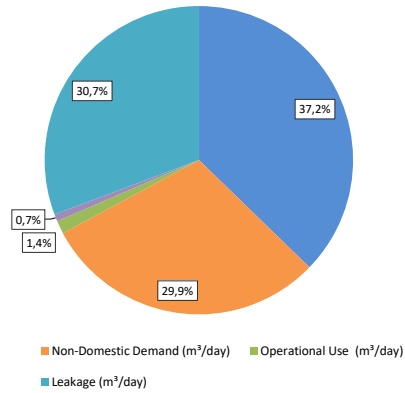
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000488	Carriglusky WTP Site, Cloyne	2 700	2 250	2 475	No Licence	2 586	22Hr	2 475	-	2 475	
TOTAL		2 700	2 250	2 475	-	2 586		2 475	-	2 475	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)		
2019	2 250	2 250	2 475	2 700	-	361	-	409	-	663	-	955
2025	2 250	2 250	2 475	2 700	-	389	-	442	-	702	-	995
2030	2 250	2 250	2 475	2 700	-	407	-	464	-	727	-	1 020
2035	2 250	2 250	2 475	2 700	-	426	-	486	-	753	-	1 046
2040	2 250	2 250	2 475	2 700	-	444	-	508	-	779	-	1 072
2044	2 250	2 250	2 475	2 700	-	459	-	523	-	799	-	1 092

WRZ CODE	0500SC0159	WRZ Name	Midleton	Study Area	I	Study Group		Local Authority	Cork
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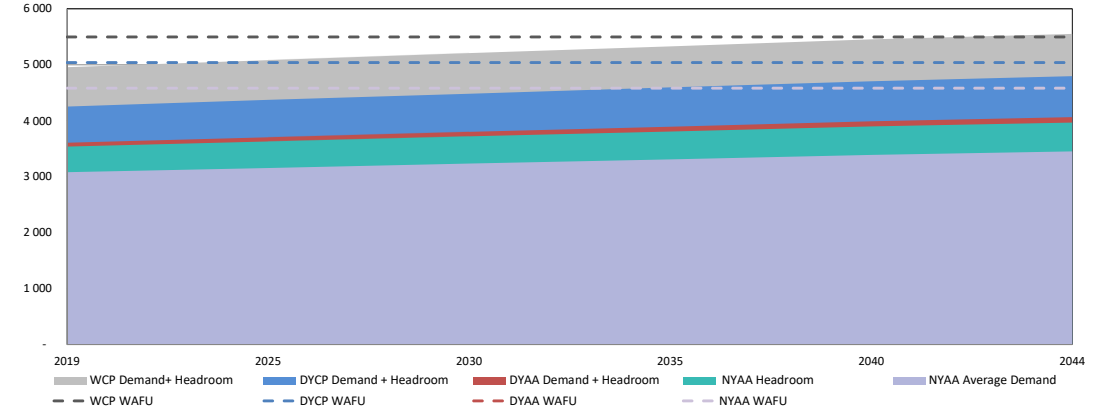
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 146
Non-Domestic Demand (m ³ /day)	920
Operational Use (m ³ /day)	43
Apparent Losses (m ³ /day)	22
Leakage (m ³ /day)	946
Demand (m³/day)	3 078

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 078	462	3 540	3 606	4 255	4 955
2025	3 158	474	3 631	3 704	4 371	5 084
2030	3 235	485	3 720	3 799	4 483	5 208
2035	3 311	497	3 808	3 894	4 595	5 332
2040	3 388	508	3 897	3 990	4 706	5 455
2044	3 450	518	3 968	4 062	4 796	5 555

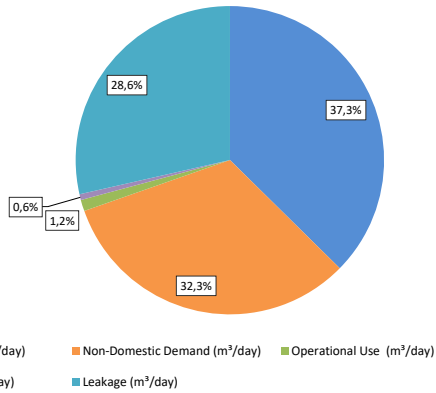
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000165	Midleton WTP	5 500	4 583	5 042	No Licence	8 423	22Hr	5 042	-	5 042	
TOTAL		5 500	4 583	5 042	-	8 423		5 042	-	5 042	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	4 583	4 583	5 042	5 500	1 044	977	787	545	
2025	4 583	4 583	5 042	5 500	952	879	671	416	
2030	4 583	4 583	5 042	5 500	864	784	559	292	
2035	4 583	4 583	5 042	5 500	775	689	447	168	
2040	4 583	4 583	5 042	5 500	687	594	335	45	
2044	4 583	4 583	5 042	5 500	616	521	246	55	

WRZ CODE	0500SC0161	WRZ Name	Tibbetstown	Study Area	I	Study Group		Local Authority	Cork
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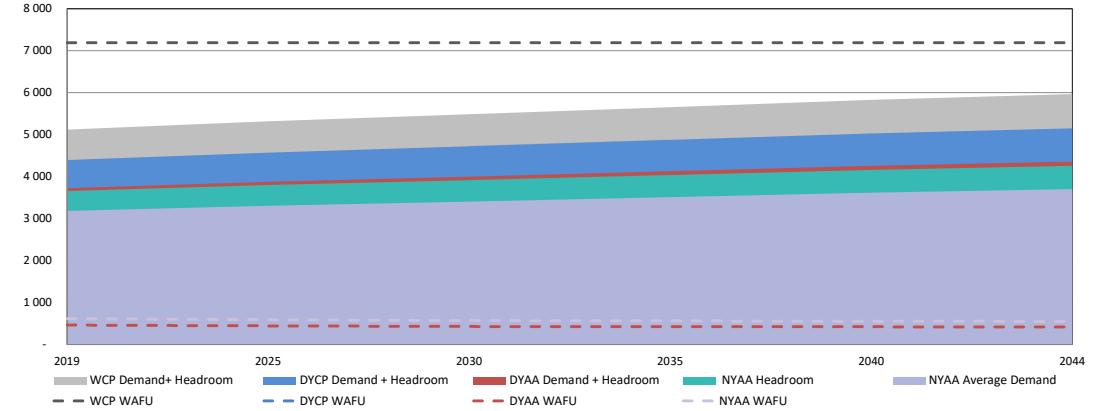
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 188
Non-Domestic Demand (m ³ /day)	1 028
Operational Use (m ³ /day)	38
Apparent Losses (m ³ /day)	20
Leakage (m ³ /day)	909
Demand (m³/day)	3 182

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 182	477	3 659	3 728	4 399	5 123
2025	3 303	495	3 798	3 875	4 572	5 318
2030	3 409	511	3 920	4 004	4 724	5 488
2035	3 515	527	4 042	4 133	4 877	5 659
2040	3 620	543	4 164	4 263	5 029	5 829
2044	3 705	556	4 261	4 362	5 150	5 965

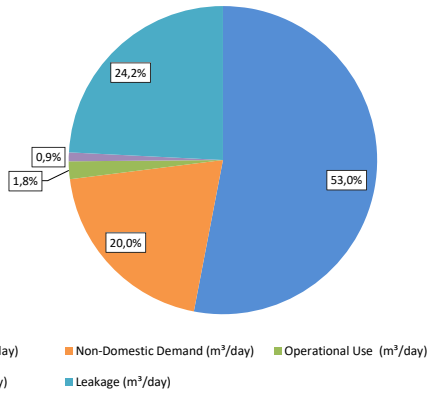
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000756	Tibbetstown WTP	7 200	6 000	6 600	No Licence	456	Yield	422	-	422	Significant Reduction
TOTAL		7 200	6 000	6 600	-	456		422	-	422	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	620	466	466	7 200	3 039	3 262	3 932	2 077	
2025	594	449	449	7 200	3 204	3 426	4 123	1 882	
2030	572	434	434	7 200	3 348	3 570	4 290	1 712	
2035	565	429	429	7 200	3 476	3 704	4 447	1 541	
2040	559	425	425	7 200	3 604	3 837	4 603	1 371	
2044	555	422	422	7 200	3 706	3 940	4 728	1 235	

WRZ CODE	0500SC0162	WRZ Name	Mogeely	Study Area	I	Study Group		Local Authority	Cork
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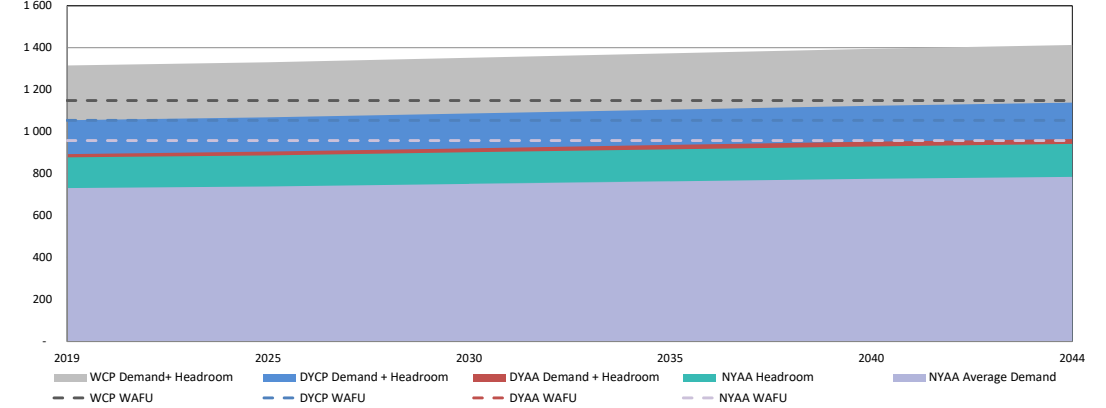
Base Demand in 2019	
Domestic Demand (m ³ /day)	388
Non-Domestic Demand (m ³ /day)	146
Operational Use (m ³ /day)	13
Apparent Losses (m ³ /day)	7
Leakage (m ³ /day)	177
Demand (m³/day)	731

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	731	146	877	894	1 055	1 316
2025	739	148	887	905	1 068	1 331
2030	751	150	902	921	1 087	1 353
2035	763	153	916	937	1 105	1 374
2040	775	155	930	953	1 124	1 396
2044	785	157	942	964	1 139	1 413

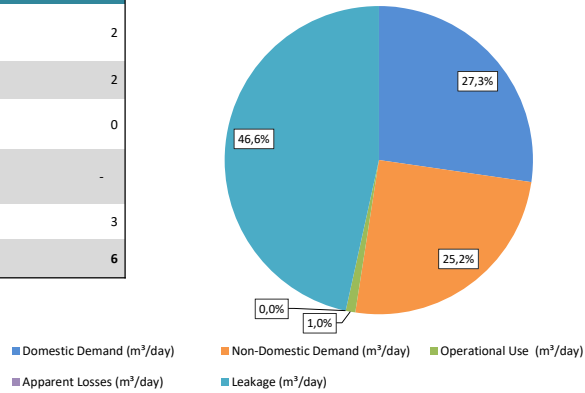
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000173	Mogeely WTP	1 150	958	1 054	No Licence	1 742	22Hr	1 054	-	1 054	
TOTAL		1 150	958	1 054	-	1 742		1 054	-	1 054	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	958	958	1 054	1 150	81	64	1	166	
2025	958	958	1 054	1 150	71	53	14	181	
2030	958	958	1 054	1 150	57	37	32	203	
2035	958	958	1 054	1 150	42	22	51	224	
2040	958	958	1 054	1 150	28	6	70	246	
2044	958	958	1 054	1 150	16	6	85	263	

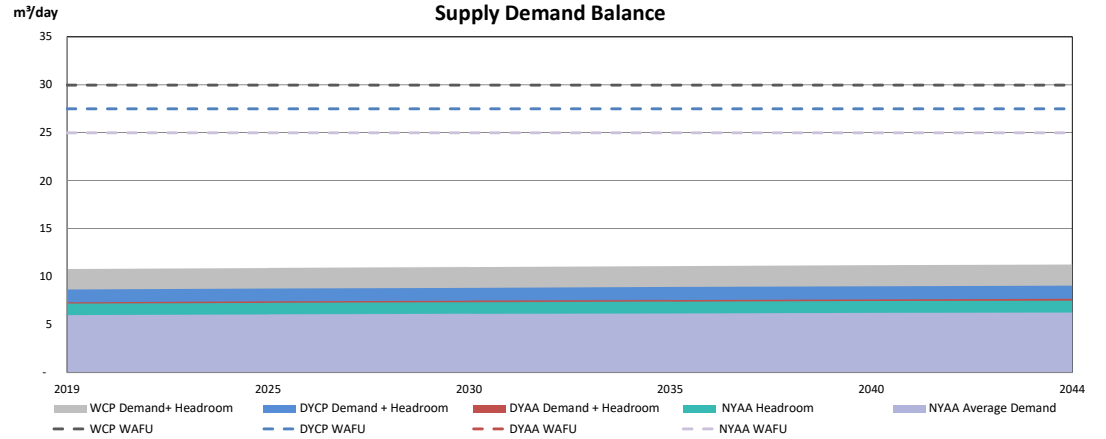
WRZ CODE	0500SC0165	WRZ Name	Strawhall	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	3
Demand (m³/day)	6

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	6	1	7	7	9	11
2025	6	1	7	7	9	11
2030	6	1	7	7	9	11
2035	6	1	7	8	9	11
2040	6	1	7	8	9	11
2044	6	1	8	8	9	11

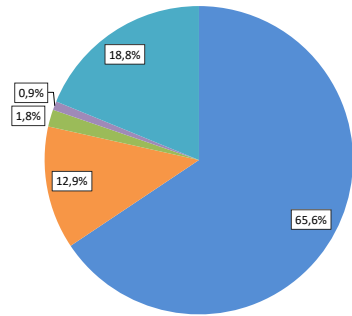
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000771	Strawhall Public WTP	30	25	28	No Licence	29	22Hr	28	-	28	
TOTAL		30	25	28	-	29		28	-	28	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	25	25	28	30	18	18	19	19
2025	25	25	28	30	18	18	19	19
2030	25	25	28	30	18	18	19	19
2035	25	25	28	30	18	17	19	19
2040	25	25	28	30	18	17	18	19
2044	25	25	28	30	17	17	18	19

WRZ CODE	0500SC0166	WRZ Name	Knoppogue	Study Area	J	Study Group		Local Authority	Cork
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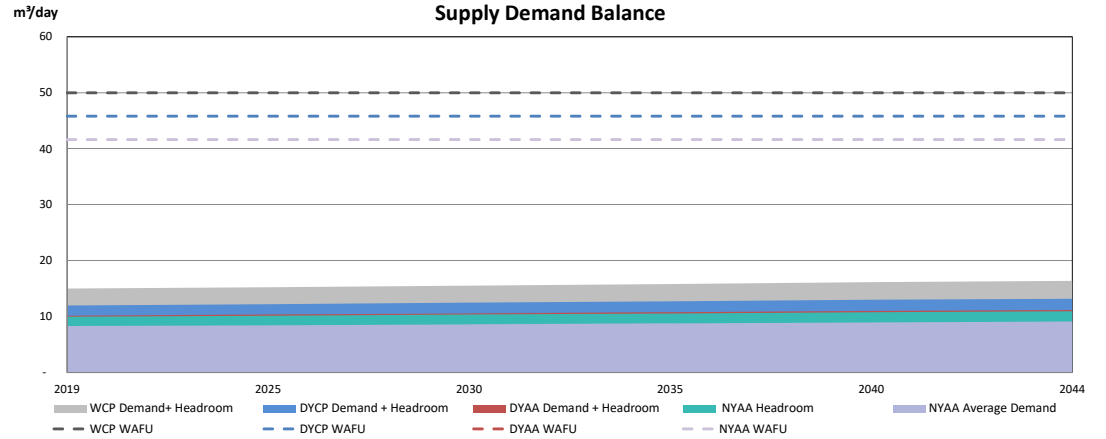
Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	2
Demand (m³/day)	8

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	2	10	10	12	15
2025	8	2	10	10	12	15
2030	9	2	10	11	12	16
2035	9	2	11	11	13	16
2040	9	2	11	11	13	16
2044	9	2	11	11	13	16

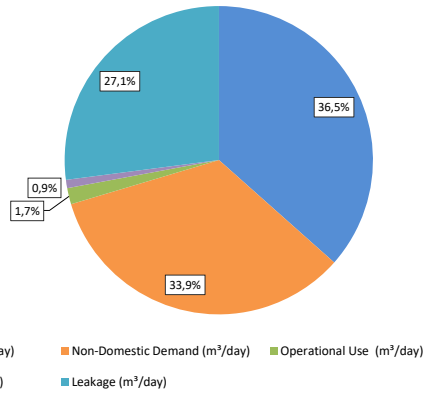
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001167	Knoppogue WTP	50	42	46	No Licence	48	22Hr	46	-	46	
TOTAL											
		50	42	46	-	48		46	-	46	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	42	42	46	50	32	31	34	35
2025	42	42	46	50	32	31	34	35
2030	42	42	46	50	31	31	33	34
2035	42	42	46	50	31	31	33	34
2040	42	42	46	50	31	31	33	34
2044	42	42	46	50	31	30	33	34

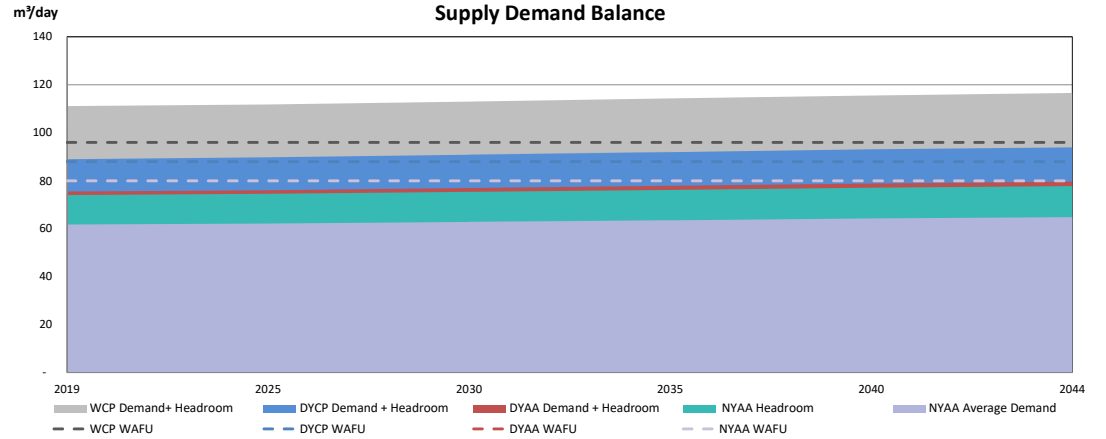
WRZ CODE	0500SC0167	WRZ Name	Ballincurrig Lisgoold	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	23
Non-Domestic Demand (m ³ /day)	21
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	17
Demand (m³/day)	62

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	62	12	74	75	89	111
2025	62	12	75	76	90	112
2030	63	13	75	77	91	113
2035	64	13	76	78	92	114
2040	64	13	77	79	93	116
2044	65	13	78	80	94	117

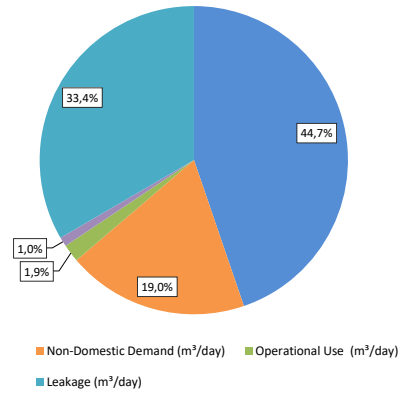
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000079	Ballincurrig WTP	96	80	88	No Licence	92	22Hr	88	-	88	
TOTAL		96	80	88	-	92		88	-	88	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	80	80	88	96	6	5	1	15
2025	80	80	88	96	5	4	2	16
2030	80	80	88	96	5	3	3	17
2035	80	80	88	96	4	2	4	18
2040	80	80	88	96	3	1	5	20
2044	80	80	88	96	2	0	6	21

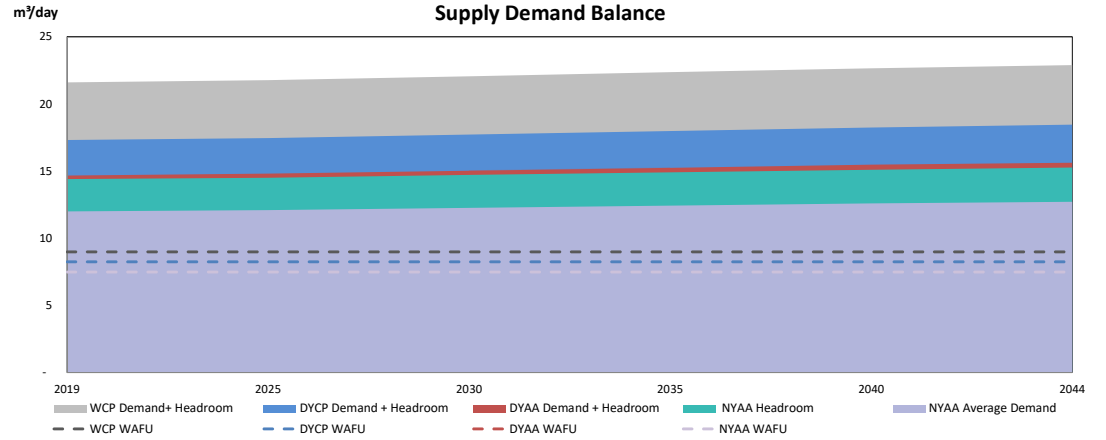
WRZ CODE	0500SC0168	WRZ Name	Coppeen	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	4
Demand (m³/day)	12

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	12	2	14	15	17	22
2025	12	2	15	15	17	22
2030	12	2	15	15	18	22
2035	12	2	15	15	18	22
2040	13	3	15	15	18	23
2044	13	3	15	16	18	23

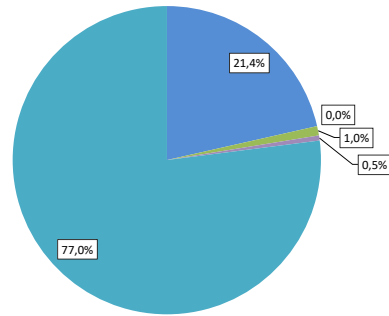
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000571	Coppeen WTP	9	8	8	No Licence	9	22Hr	8	-	8	Significant Reduction
TOTAL		9	8	8	-	9		8	-	8	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	8	8	8	9 -	7 -	7 -	9 -
2025	8	8	8	8	9 -	7 -	7 -	9 -
2030	8	8	8	8	9 -	7 -	8 -	9 -
2035	8	8	8	8	9 -	7 -	8 -	10 -
2040	8	8	8	8	9 -	8 -	8 -	10 -
2044	8	8	8	8	9 -	8 -	8 -	10 -

WRZ CODE	0500SC0169	WRZ Name	Johnstown	Study Area	I	Study Group		Local Authority	Cork
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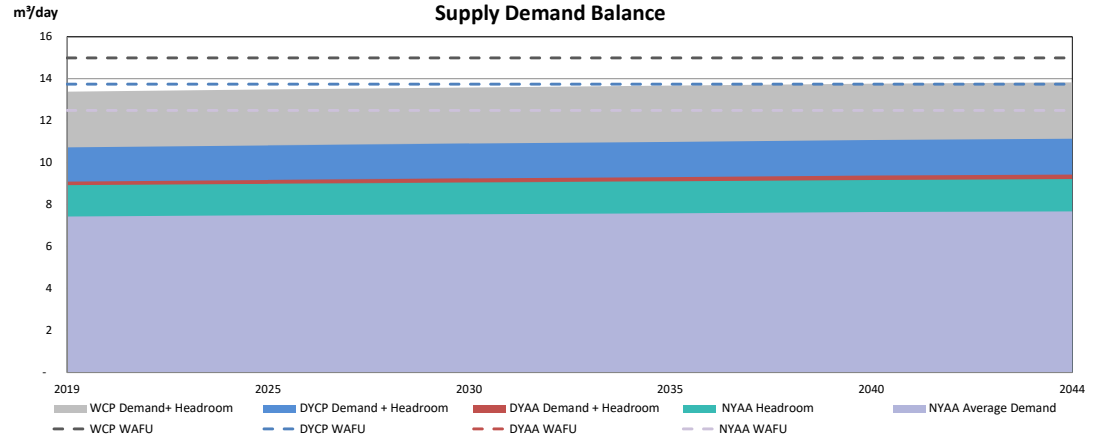
Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	6
Demand (m³/day)	7

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7	1	9	9	11	13
2025	7	1	9	9	11	13
2030	8	2	9	9	11	14
2035	8	2	9	9	11	14
2040	8	2	9	9	11	14
2044	8	2	9	9	11	14

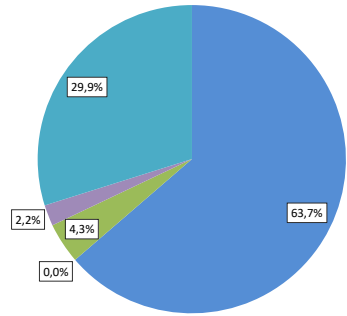
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001070	Johnstown WTP	15	13	14	No Licence	14	22Hr	14	-	14	
TOTAL		15	13	14	-	14		14	-	14	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	13	13	14	15	4	3	3	2
2025	13	13	14	15	4	3	3	2
2030	13	13	14	15	3	3	3	1
2035	13	13	14	15	3	3	3	1
2040	13	13	14	15	3	3	3	1
2044	13	13	14	15	3	3	3	1

WRZ CODE	0500SC0170	WRZ Name	Cluin Court Allihies	Study Area	I	Study Group	Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	1
Demand (m³/day)	4

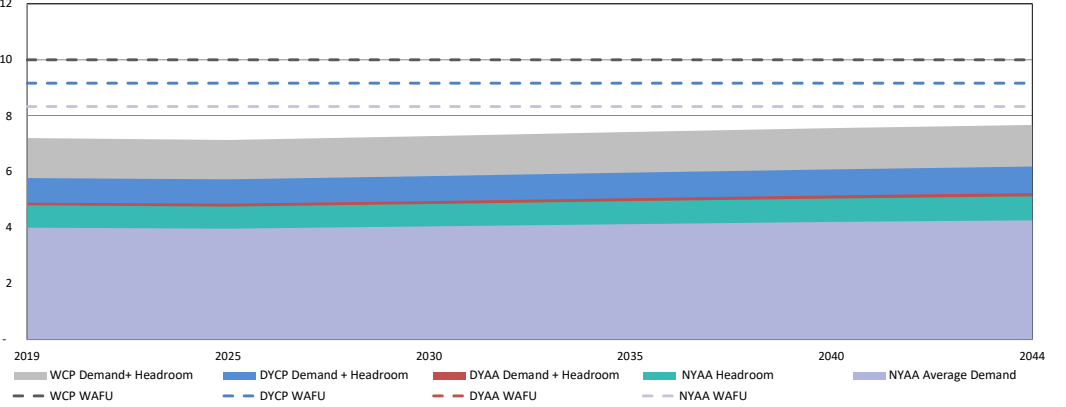
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4	1	5	5	6	7
2025	4	1	5	5	6	7
2030	4	1	5	5	6	7
2035	4	1	5	5	6	7
2040	4	1	5	5	6	8
2044	4	1	5	5	6	8

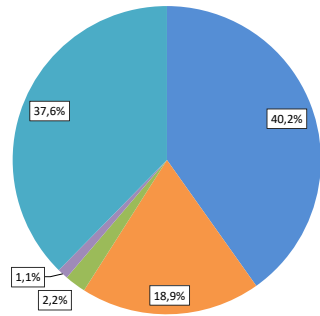
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000072	Cluin Court (Allihies) WTP	10	8	9	No Licence	10	22Hr	9	-	9	
TOTAL		10	8	9	-	10		9	-	9	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	8	9	10	4	3	3	3
2025	8	8	9	10	4	3	3	3
2030	8	8	9	10	3	3	3	3
2035	8	8	9	10	3	3	3	3
2040	8	8	9	10	3	3	3	2
2044	8	8	9	10	3	3	3	2

WRZ CODE	0500SC0171	WRZ Name	Knockburden	Study Area	I	Study Group		Local Authority	Cork
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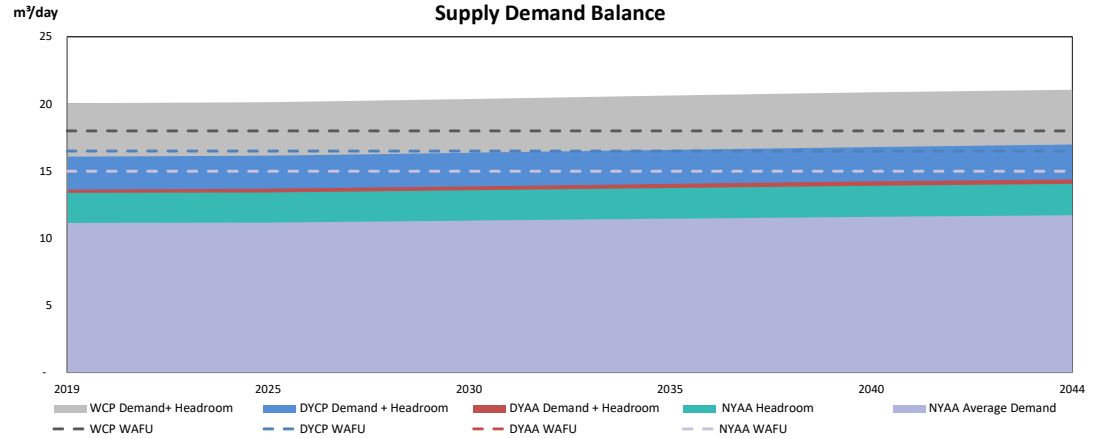
Base Demand in 2019	
Domestic Demand (m ³ /day)	4
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	4
Demand (m³/day)	11

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	11	2	13	14	16	20
2025	11	2	13	14	16	20
2030	11	2	14	14	16	20
2035	11	2	14	14	17	21
2040	12	2	14	14	17	21
2044	12	2	14	14	17	21

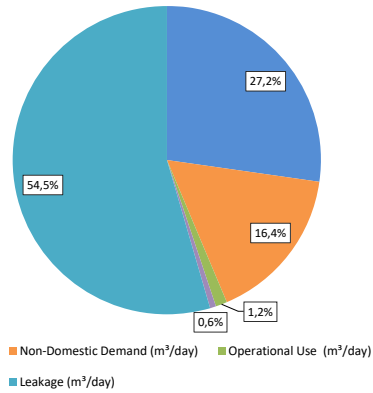
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001155	Knockburden WTP	18	15	17	No Licence	17	22Hr	17	-	17	
TOTAL		18	15	17	-	17		17	-	17	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	15	15	17	18	2	1	0	2
2025	15	15	17	18	2	1	0	2
2030	15	15	17	18	1	1	0	2
2035	15	15	17	18	1	1	0	3
2040	15	15	17	18	1	1	0	3
2044	15	15	17	18	1	1	0	3

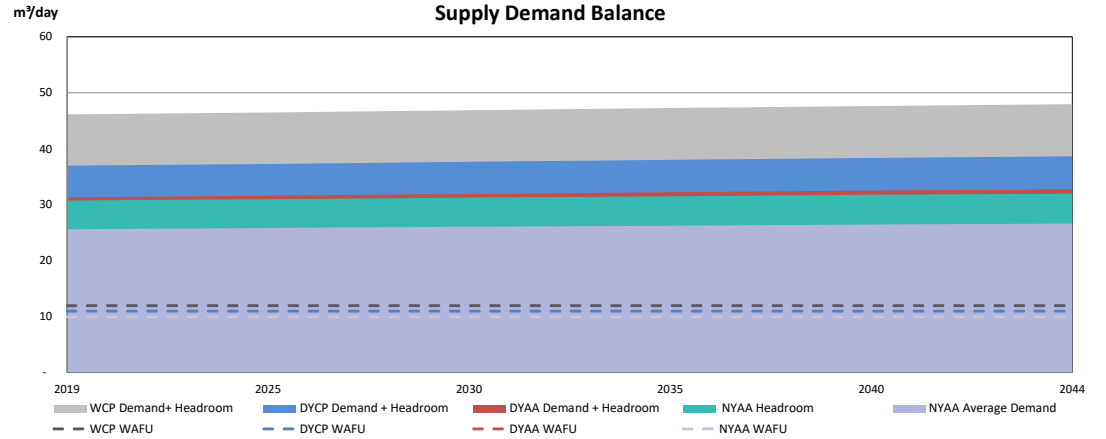
WRZ CODE	0500SC0172	WRZ Name	Ballyshoneen	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	7
Non-Domestic Demand (m ³ /day)	4
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	14
Demand (m³/day)	26

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	26	5	31	31	37	46
2025	26	5	31	32	37	46
2030	26	5	31	32	38	47
2035	26	5	32	32	38	47
2040	26	5	32	33	38	48
2044	27	5	32	33	39	48

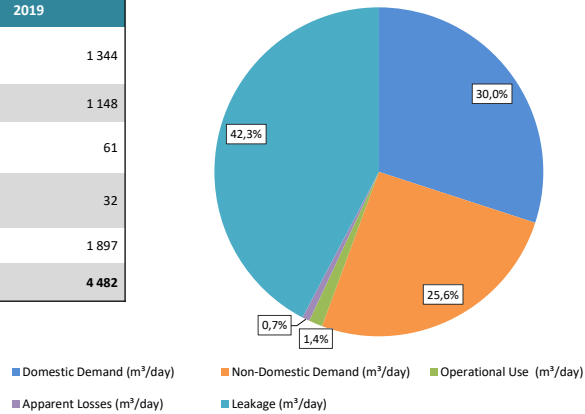
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000070	Ballyshoneen WTP	12	10	11	No Licence	11	22Hr	11	-	11	
TOTAL		12	10	11	-	11		11	-	11	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	10	11	12	21	21	26	34
2025	10	10	11	12	21	22	26	34
2030	10	10	11	12	21	22	27	35
2035	10	10	11	12	22	22	27	35
2040	10	10	11	12	22	23	27	36
2044	10	10	11	12	22	23	28	36

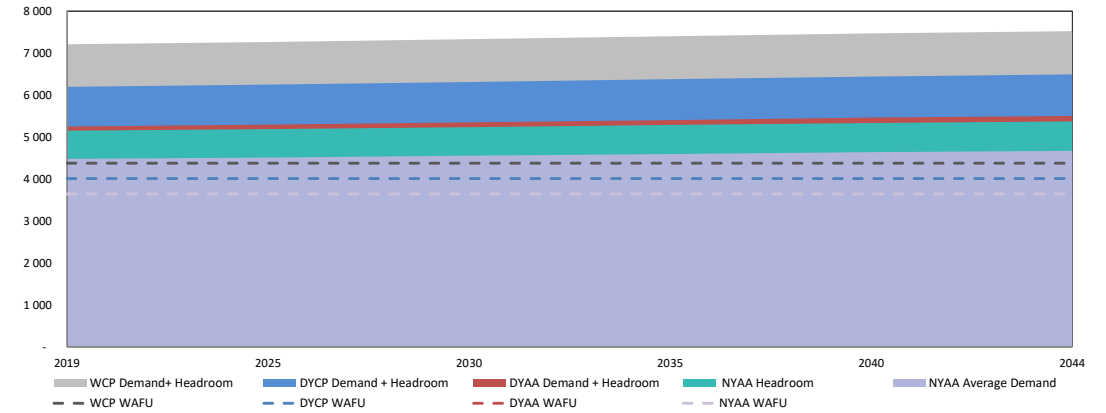
WRZ CODE	0500SC0173	WRZ Name	Skibbereen	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m³/day)	1 344
Non-Domestic Demand (m³/day)	1 148
Operational Use (m³/day)	61
Apparent Losses (m³/day)	32
Leakage (m³/day)	1 897
Demand (m³/day)	4 482

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	4 482	672	5 154	5 250	6 195	7 215
2025	4 515	677	5 192	5 296	6 249	7 269
2030	4 556	683	5 240	5 352	6 315	7 336
2035	4 598	690	5 288	5 407	6 380	7 403
2040	4 640	696	5 336	5 463	6 444	7 470
2044	4 673	701	5 374	5 502	6 496	7 523

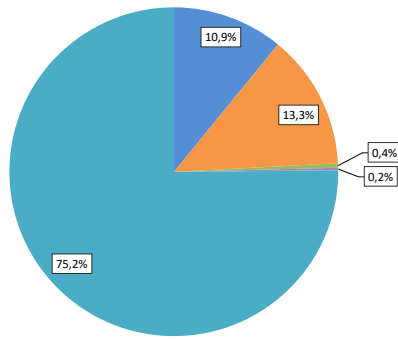
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000628	Drimoleague WTP	179	149	164	No Licence	397	22Hr	164	-	164	
WTP0000244	Ballyhilty WTP	4 200	3 500	3 850	No Licence	10 245	22Hr	3 850	-	3 850	
TOTAL		4 379	3 649	4 014	-	10 642		4 014	-	4 014	

Year	WAFU				Supply Demand Balance							
	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	3 649	3 649	4 014	4 379	1 505	1 601	2 181	2 836	1 505	1 601	2 181	2 836
2025	3 649	3 649	4 014	4 379	1 543	1 647	2 235	2 890	1 543	1 647	2 235	2 890
2030	3 649	3 649	4 014	4 379	1 591	1 702	2 300	2 957	1 591	1 702	2 300	2 957
2035	3 649	3 649	4 014	4 379	1 639	1 758	2 366	3 024	1 639	1 758	2 366	3 024
2040	3 649	3 649	4 014	4 379	1 686	1 813	2 430	3 091	1 686	1 813	2 430	3 091
2044	3 649	3 649	4 014	4 379	1 725	1 853	2 482	3 144	1 725	1 853	2 482	3 144

WRZ CODE	0500SC0175	WRZ Name	Glanworth /Ballykenley/Johnstown	Study Area	J	Study Group		Local Authority	Cork
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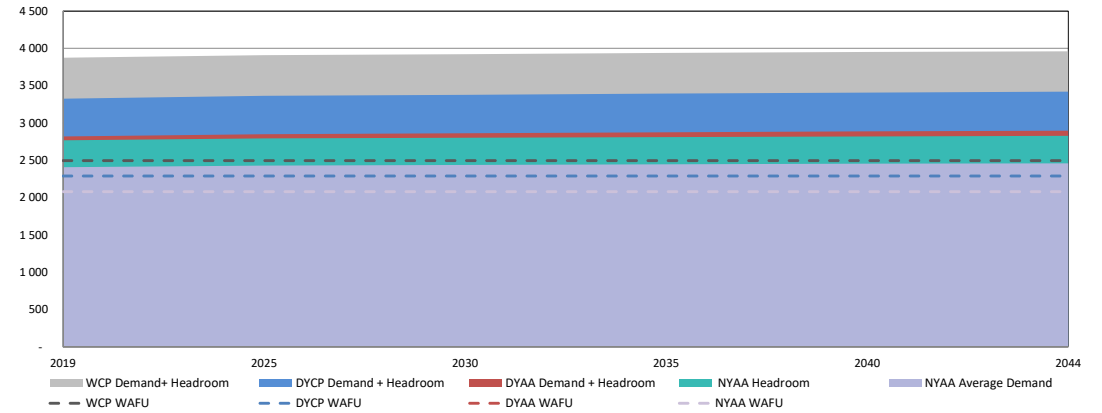
Base Demand in	2019
Domestic Demand (m ³ /day)	263
Non-Domestic Demand (m ³ /day)	319
Operational Use (m ³ /day)	10
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	1 810
Demand (m³/day)	2 408

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 408	361	2 769	2 821	3 328	3 876
2025	2 430	365	2 795	2 851	3 364	3 913
2030	2 438	366	2 804	2 864	3 379	3 926
2035	2 446	367	2 813	2 877	3 395	3 939
2040	2 455	368	2 823	2 890	3 409	3 952
2044	2 461	369	2 830	2 898	3 421	3 962

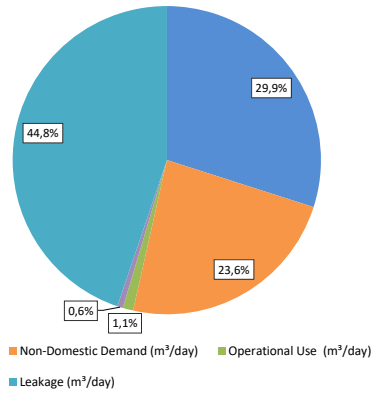
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000421	Dunmahon WTP	1 000	833	917	No Licence	958	22Hr	917	-	917	
WTP0000250	Ballykenly (Johnstown) WTP	1 500	1 250	1 375	No Licence	1 437	22Hr	1 375	-	1 375	
TOTAL		2 500	2 083	2 292	-	2 395		2 292	-	2 292	

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	2 083	2 083	2 292	2 500	685	737	1 036	1 376	1 036	737	1 376
2025	2 083	2 083	2 292	2 500	711	768	1 072	1 413	1 072	768	1 413
2030	2 083	2 083	2 292	2 500	721	781	1 088	1 426	1 088	781	1 426
2035	2 083	2 083	2 292	2 500	730	794	1 103	1 439	1 103	794	1 439
2040	2 083	2 083	2 292	2 500	739	807	1 118	1 452	1 118	807	1 452
2044	2 083	2 083	2 292	2 500	747	814	1 130	1 462	1 130	814	1 462

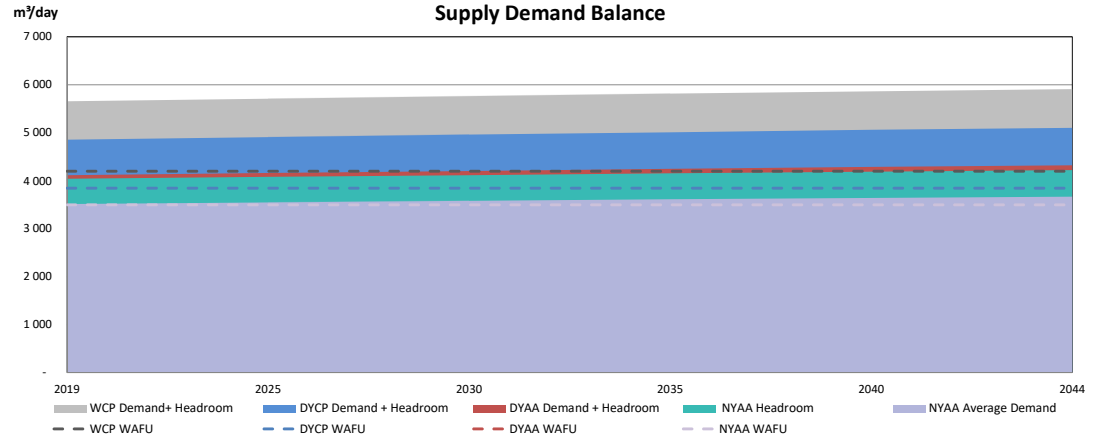
WRZ CODE	0500SC0176	WRZ Name	Fermoy	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 051
Non-Domestic Demand (m ³ /day)	828
Operational Use (m ³ /day)	39
Apparent Losses (m ³ /day)	20
Leakage (m ³ /day)	1 573
Demand (m³/day)	3 512

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 512	527	4 038	4 114	4 854	5 654
2025	3 546	532	4 078	4 160	4 909	5 709
2030	3 579	537	4 115	4 203	4 960	5 762
2035	3 611	542	4 153	4 247	5 011	5 814
2040	3 644	547	4 190	4 290	5 061	5 867
2044	3 670	550	4 220	4 321	5 101	5 908

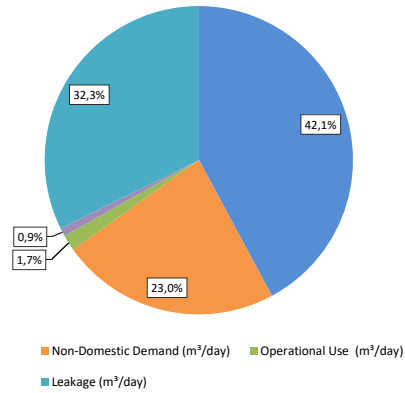
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000568	Coolrue WTP	4 200	3 500	3 850	No Licence	161 301	22Hr	3 850	-	3 850	Significant Reduction
TOTAL		4 200	3 500	3 850	-	161 301		3 850	-	3 850	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	3 500	3 500	3 850	4 200	538	614	1 004	1 454	
2025	3 500	3 500	3 850	4 200	578	660	1 059	1 509	
2030	3 500	3 500	3 850	4 200	615	703	1 110	1 562	
2035	3 500	3 500	3 850	4 200	653	747	1 161	1 614	
2040	3 500	3 500	3 850	4 200	690	790	1 211	1 667	
2044	3 500	3 500	3 850	4 200	720	821	1 251	1 708	

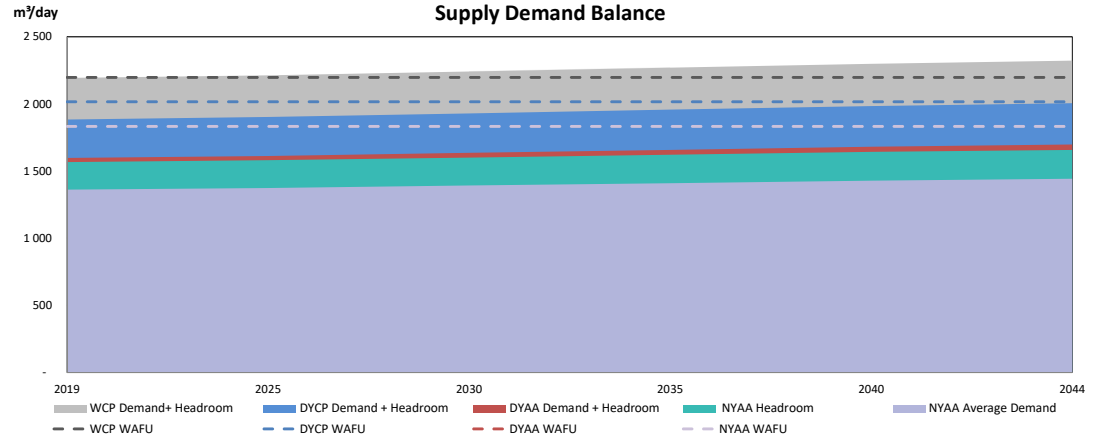
WRZ CODE	0500SC0177	WRZ Name	Macroom	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in	2019
Domestic Demand (m ³ /day)	574
Non-Domestic Demand (m ³ /day)	314
Operational Use (m ³ /day)	23
Apparent Losses (m ³ /day)	12
Leakage (m ³ /day)	440
Demand (m³/day)	1 363

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 363	204	1 568	1 597	1 884	2 195
2025	1 375	206	1 581	1 613	1 903	2 214
2030	1 393	209	1 602	1 636	1 930	2 242
2035	1 411	212	1 622	1 659	1 957	2 271
2040	1 428	214	1 643	1 682	1 984	2 300
2044	1 443	216	1 659	1 698	2 005	2 323

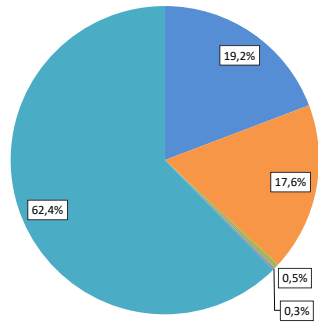
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000205	Macroom WTP	2 200	1 833	2 017	No Licence	15 993	22Hr	2 017	-	2 017	
TOTAL		2 200	1 833	2 017	-	15 993		2 017	-	2 017	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 833	1 833	2 017	2 200	266	236	132	5
2025	1 833	1 833	2 017	2 200	252	220	113	14
2030	1 833	1 833	2 017	2 200	232	197	86	42
2035	1 833	1 833	2 017	2 200	211	175	59	71
2040	1 833	1 833	2 017	2 200	191	152	33	100
2044	1 833	1 833	2 017	2 200	174	135	11	123

WRZ CODE	0500SC0178	WRZ Name	Coolybane	Study Area	I	Study Group	Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	10
Non-Domestic Demand (m ³ /day)	10
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	34
Demand (m³/day)	54

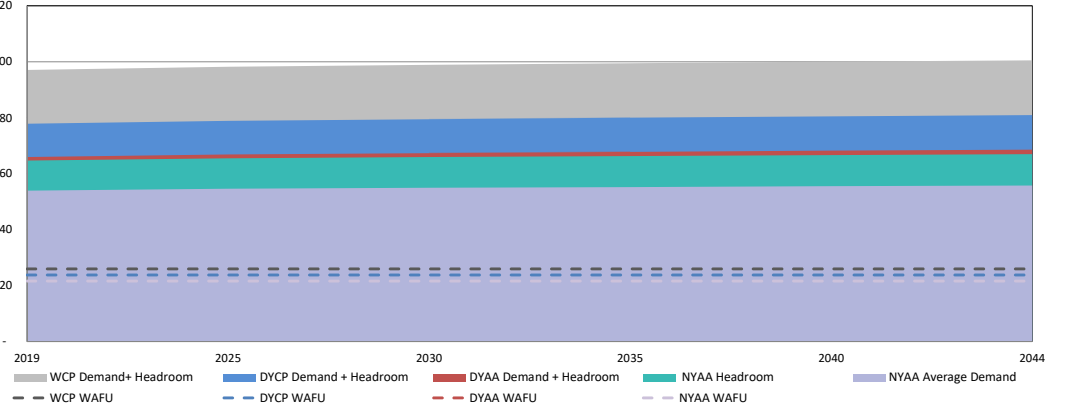
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	54	11	65	66	78	97
2025	55	11	66	67	79	98
2030	55	11	66	67	79	99
2035	55	11	66	68	80	99
2040	56	11	67	68	81	100
2044	56	11	67	69	81	100

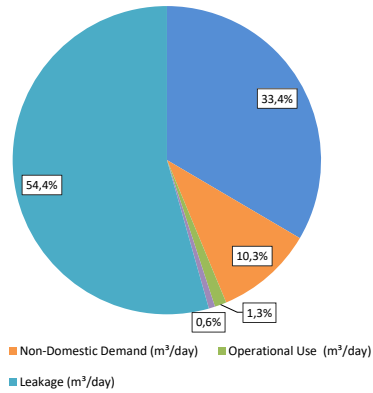
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000563	Coolybane WTP	26	22	24	No Licence	25	22Hr	24	-	24	
TOTAL		26	22	24	-	25		24	-	24	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	22	22	24	26	43	44	54	71
2025	22	22	24	26	44	45	55	72
2030	22	22	24	26	44	46	56	73
2035	22	22	24	26	45	46	56	73
2040	22	22	24	26	45	47	57	74
2044	22	22	24	26	45	47	57	74

WRZ CODE	0500SC0179	WRZ Name	Kilnagurteen (Macroom)	Study Area	I	Study Group		Local Authority	Cork
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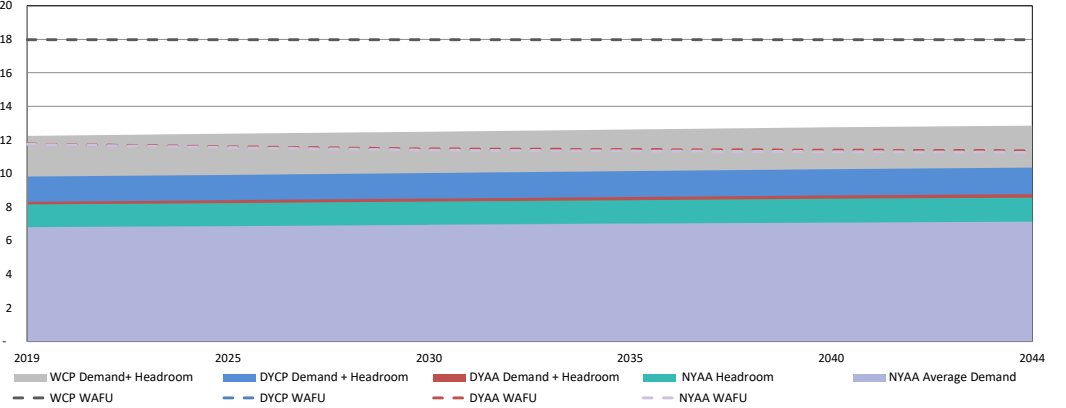
Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	4
Demand (m³/day)	7

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7	1	8	8	10	12
2025	7	1	8	8	10	12
2030	7	1	8	9	10	13
2035	7	1	8	9	10	13
2040	7	1	9	9	10	13
2044	7	1	9	9	10	13

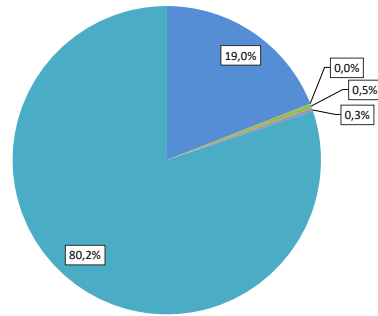
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001130	Kilnagurteen WTP	18	15	17	No Licence	11	Yield	11	-	11	
TOTAL		18	15	17	-	11		11	-	11	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	12	12	12	18	4	3	2	6
2025	12	12	12	18	3	3	2	6
2030	11	11	11	18	3	3	1	5
2035	11	11	11	18	3	3	1	5
2040	11	11	11	18	3	3	1	5
2044	11	11	11	18	3	3	1	5

WRZ CODE	0500SC0180	WRZ Name	Ballyverane	Study Area	I	Study Group	Local Authority	Cork
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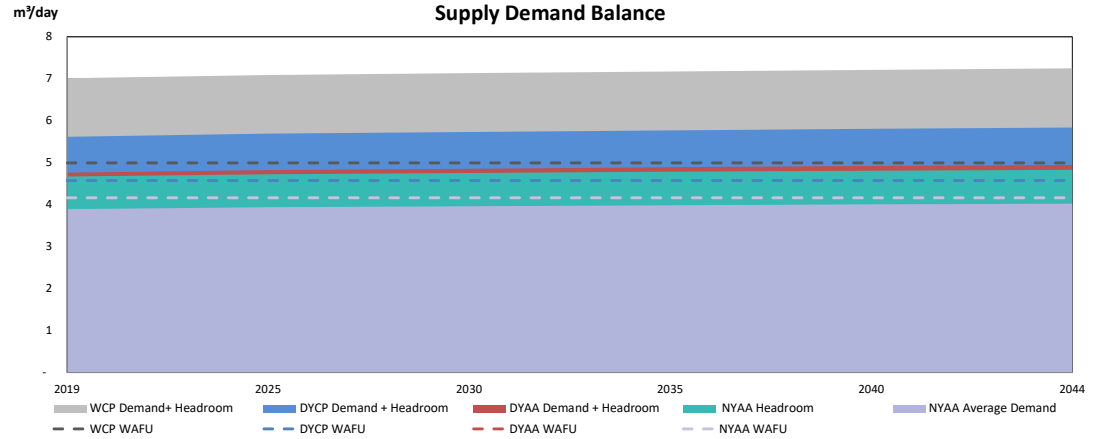
Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	3
Demand (m³/day)	4

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4	1	5	5	6	7
2025	4	1	5	5	6	7
2030	4	1	5	5	6	7
2035	4	1	5	5	6	7
2040	4	1	5	5	6	7
2044	4	1	5	5	6	7

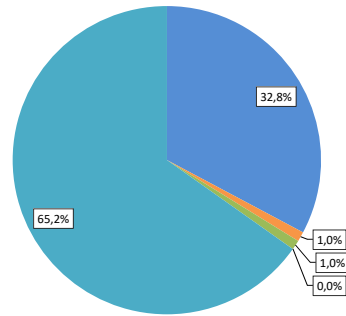
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000069	Ballyveerane WTP	5	4	5	No Licence	5	22Hr	5	-	5	
TOTAL		5	4	5	-	5		5	-	5	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4	4	5	5	1	1	1	2
2025	4	4	5	5	1	1	1	2
2030	4	4	5	5	1	1	1	2
2035	4	4	5	5	1	1	1	2
2040	4	4	5	5	1	1	1	2
2044	4	4	5	5	1	1	1	2

WRZ CODE	0500SC0181	WRZ Name	Reenmeen West	Study Area	I	Study Group		Local Authority	Cork
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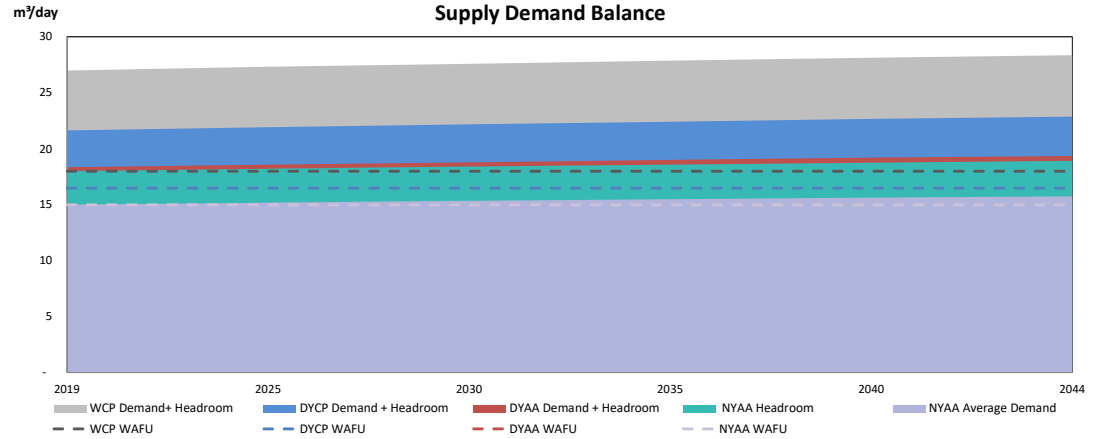
Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	0
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	10
Demand (m³/day)	15

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	15	3	18	18	22	27
2025	15	3	18	19	22	27
2030	15	3	18	19	22	28
2035	15	3	19	19	22	28
2040	16	3	19	19	23	28
2044	16	3	19	19	23	28

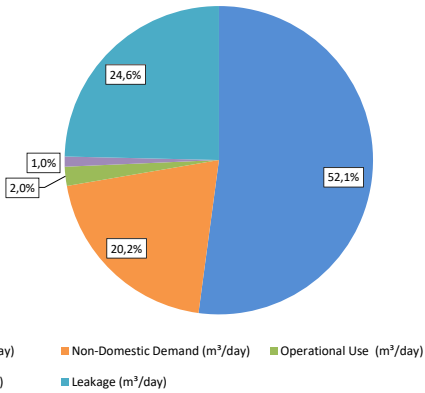
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000115	Reenmeen Woods PS WTP	18	15	17	No Licence	24	22Hr	17	-	17	
TOTAL		18	15	17	-	24		17	-	17	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	15	15	17	18	3	3	5	9
2025	15	15	17	18	3	4	5	9
2030	15	15	17	18	3	4	6	10
2035	15	15	17	18	4	4	6	10
2040	15	15	17	18	4	4	6	10
2044	15	15	17	18	4	4	6	10

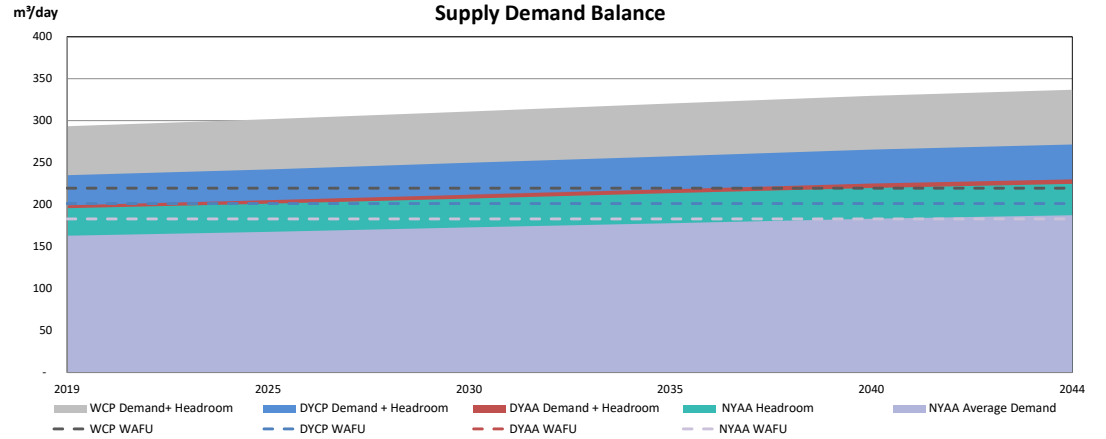
WRZ CODE	0500SC0182	WRZ Name	Gortnagreige	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in	2019
Domestic Demand (m ³ /day)	85
Non-Domestic Demand (m ³ /day)	33
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	40
Demand (m³/day)	163

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	163	33	196	199	235	294
2025	168	34	201	205	242	302
2030	173	35	207	212	250	311
2035	178	36	214	218	258	320
2040	183	37	220	225	265	330
2044	187	37	225	230	272	337

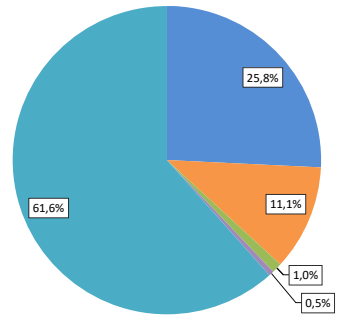
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000500	Gortnagreige WTP	220	183	202	No Licence	211	22Hr	202	-	202	
TOTAL		220	183	202	-	211		202	-	202	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	183	183	202	220	-	12	-	16	-	74
2025	183	183	202	220	-	18	-	22	-	82
2030	183	183	202	220	-	24	-	28	-	91
2035	183	183	202	220	-	30	-	35	-	100
2040	183	183	202	220	-	36	-	42	-	110
2044	183	183	202	220	-	41	-	47	-	117

WRZ CODE	0500SC0183	WRZ Name	Kealkill	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	80
Non-Domestic Demand (m ³ /day)	35
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	192
Demand (m³/day)	312

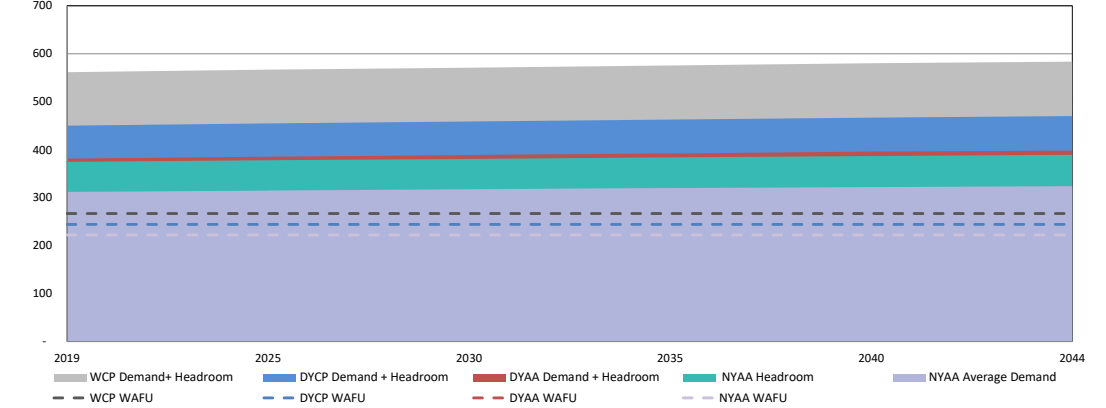
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	312	62	374	381	450	562
2025	315	63	378	385	455	567
2030	317	63	381	389	459	571
2035	320	64	384	392	463	576
2040	322	64	387	396	467	580
2044	324	65	389	398	470	584

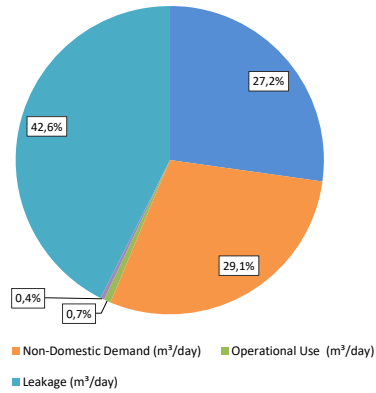
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001075	Kealkill WTP	267	223	245	No Licence	477	22Hr	245	-	245	Critical - Low Flow Intervention
TOTAL		267	223	245	-	477		245	-	245	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	223	223	245	267	152	159	205	295	152	159	205
2025	223	223	245	267	155	163	210	300	155	163	210
2030	223	223	245	267	158	166	214	304	158	166	214
2035	223	223	245	267	161	170	218	309	161	170	218
2040	223	223	245	267	164	173	222	313	164	173	222
2044	223	223	245	267	167	176	226	317	167	176	226

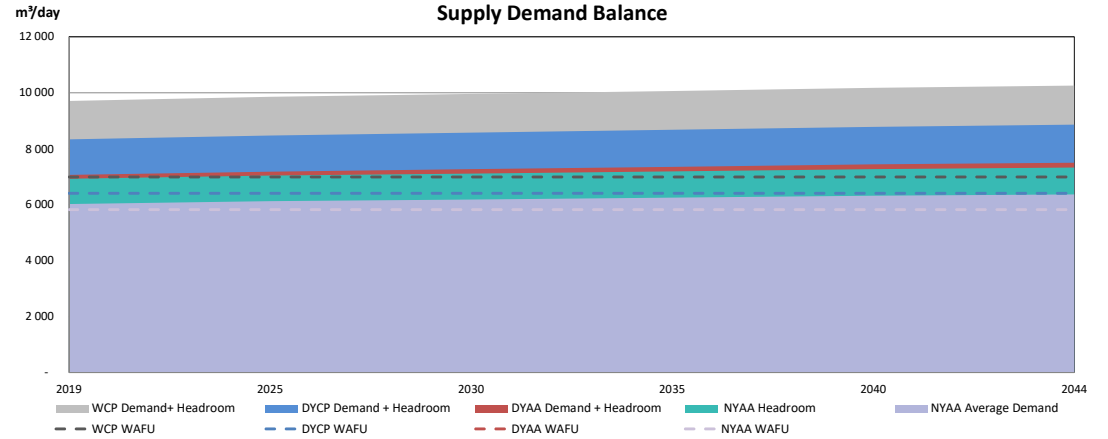
WRZ CODE	0500SC0184	WRZ Name	Whitegate Regional	Study Area	I	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 640
Non-Domestic Demand (m ³ /day)	1 752
Operational Use (m ³ /day)	45
Apparent Losses (m ³ /day)	23
Leakage (m ³ /day)	2 567
Demand (m³/day)	6 027

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	6 027	904	6 931	7 061	8 331	9 703
2025	6 121	918	7 039	7 181	8 473	9 855
2030	6 187	928	7 115	7 267	8 574	9 961
2035	6 253	938	7 191	7 353	8 676	10 067
2040	6 319	948	7 267	7 440	8 777	10 174
2044	6 372	956	7 328	7 502	8 858	10 259

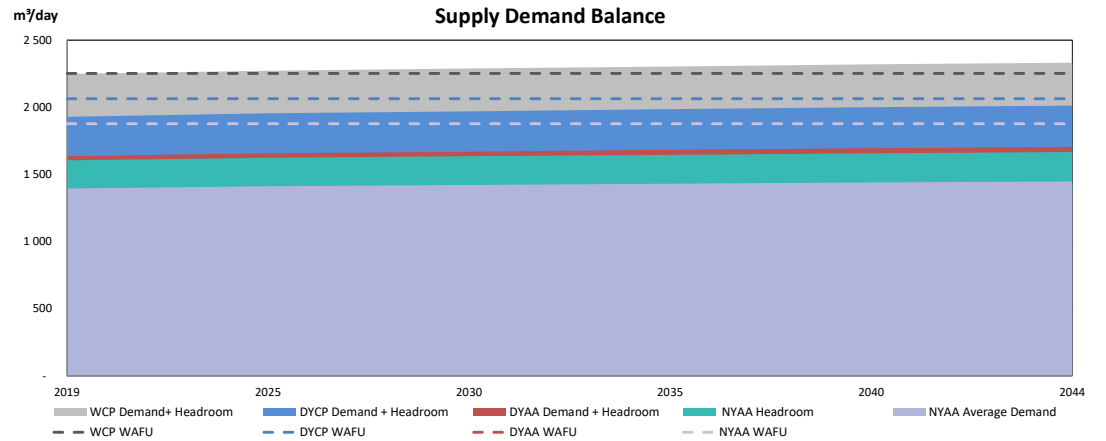
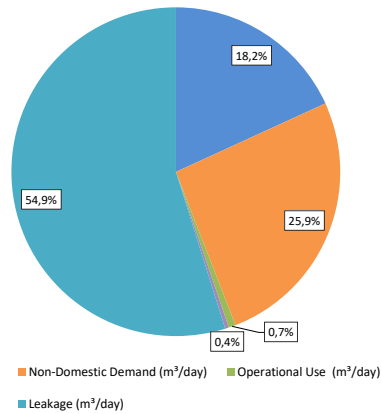
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001140	Kilva WTP Site	7 000	5 833	6 417	No Licence	8 620	22Hr	6 417	-	6 417	Demand > Safe Production Capacity
TOTAL		7 000	5 833	6 417	-	8 620		6 417	-	6 417	

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5 833	5 833	6 417	7 000	1 098	1 227	1 915	2 703
2025	5 833	5 833	6 417	7 000	1 206	1 347	2 056	2 855
2030	5 833	5 833	6 417	7 000	1 282	1 433	2 158	2 961
2035	5 833	5 833	6 417	7 000	1 358	1 520	2 260	3 067
2040	5 833	5 833	6 417	7 000	1 434	1 607	2 360	3 174
2044	5 833	5 833	6 417	7 000	1 494	1 669	2 441	3 259

WRZ CODE	0500SC0185	WRZ Name	Ballyclough & Mount North	Study Area	J	Study Group		Local Authority	Cork
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Base Demand in 2019	
Domestic Demand (m ³ /day)	254
Non-Domestic Demand (m ³ /day)	362
Operational Use (m ³ /day)	10
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	766
Demand (m³/day)	1 397

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 397	209	1 606	1 636	1 931	2 249
2025	1 412	212	1 624	1 657	1 955	2 274
2030	1 422	213	1 635	1 670	1 971	2 289
2035	1 432	215	1 646	1 683	1 986	2 305
2040	1 441	216	1 657	1 697	2 002	2 320
2044	1 449	217	1 666	1 706	2 014	2 333

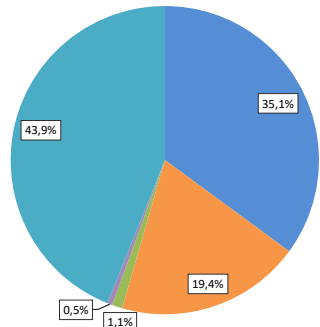
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000152	Ballyclough WTP	454	378	416	No Licence	435	22Hr	416	-	416	
WTP0000197	Mountnorth WTP	1 800	1 500	1 650	No Licence	1 724	22Hr	1 650	-	1 650	Demand > Safe Production Capacity
TOTAL		2 254	1 878	2 066	-	2 159		2 066	-	2 066	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	1 878	1 878	2 066	2 254	272	242	136	5			
2025	1 878	1 878	2 066	2 254	254	221	111	20			
2030	1 878	1 878	2 066	2 254	243	208	96	35			
2035	1 878	1 878	2 066	2 254	232	195	80	51			
2040	1 878	1 878	2 066	2 254	221	181	64	66			
2044	1 878	1 878	2 066	2 254	212	172	52	79			

WRZ CODE	0600SC0001	WRZ Name	INISHOWEN WEST &	Study Area	A	Study Group		Local Authority	Donegal
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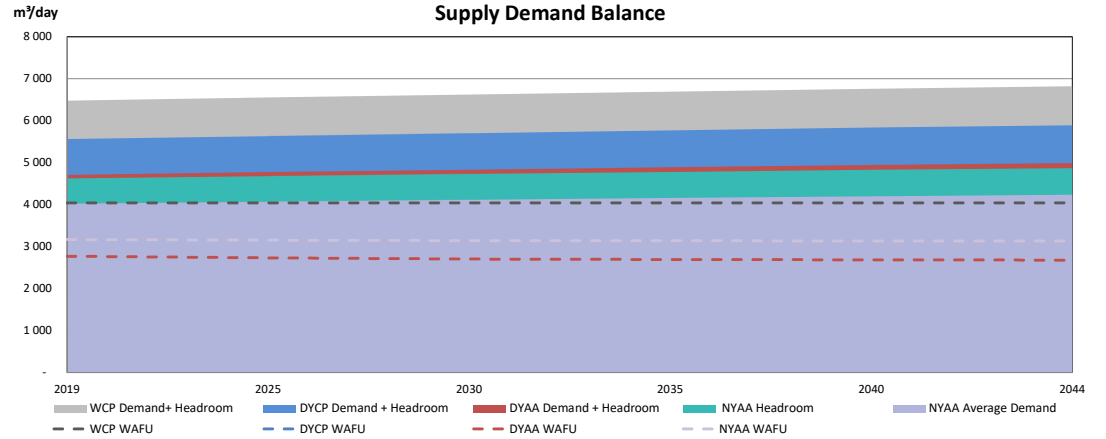
Base Demand in	2019
Domestic Demand (m ³ /day)	1 410
Non-Domestic Demand (m ³ /day)	781
Operational Use (m ³ /day)	44
Apparent Losses (m ³ /day)	21
Leakage (m ³ /day)	1 767
Demand (m³/day)	4 023

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4 023	603	4 626	4 713	5 561	6 477
2025	4 071	611	4 682	4 776	5 635	6 555
2030	4 115	617	4 732	4 833	5 703	6 625
2035	4 159	624	4 782	4 890	5 770	6 695
2040	4 202	630	4 833	4 948	5 837	6 766
2044	4 237	636	4 873	4 989	5 890	6 822

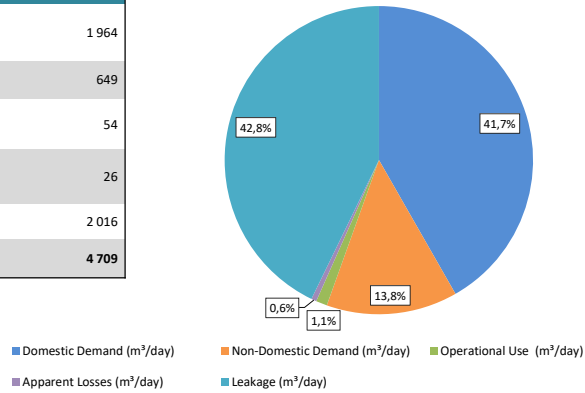
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000758	Tiernaleague WTP	1 300	1 083	1 192	No Licence	862	Yield	853	-	853	Significant Reduction
WTP0000479	Inishowen West WTP	2 750	2 292	2 521	2 730	1 977	Yield	1 829	-	1 829	
TOTAL		4 050	3 375	3 713	2 730	2 839		2 683	-	2 683	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	3 173	2 776	2 776	4 050	1 453	1 937	2 785	2 427	
2025	3 159	2 738	2 738	4 050	1 523	2 038	2 897	2 505	
2030	3 147	2 707	2 707	4 050	1 585	2 126	2 995	2 575	
2035	3 144	2 698	2 698	4 050	1 638	2 192	3 072	2 645	
2040	3 141	2 689	2 689	4 050	1 692	2 258	3 147	2 716	
2044	3 138	2 683	2 683	4 050	1 735	2 306	3 207	2 772	

WRZ CODE	0600SC0006	WRZ Name	Rosses	Study Area	A	Study Group		Local Authority	Donegal
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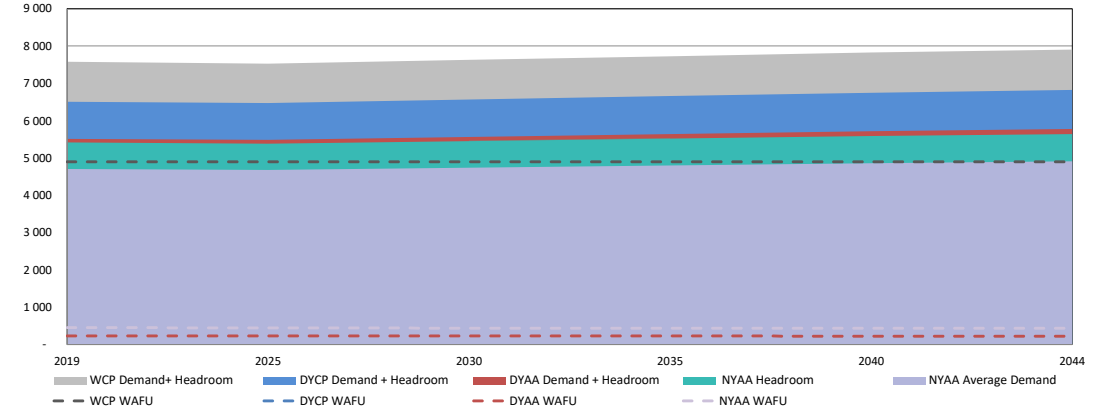
Base Demand in	2019
Domestic Demand (m ³ /day)	1 964
Non-Domestic Demand (m ³ /day)	649
Operational Use (m ³ /day)	54
Apparent Losses (m ³ /day)	26
Leakage (m ³ /day)	2 016
Demand (m³/day)	4 709

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4 709	706	5 415	5 517	6 510	7 582
2025	4 678	702	5 380	5 488	6 476	7 532
2030	4 739	711	5 450	5 566	6 568	7 630
2035	4 800	720	5 520	5 645	6 660	7 728
2040	4 861	729	5 590	5 723	6 752	7 826
2044	4 910	736	5 646	5 781	6 825	7 905

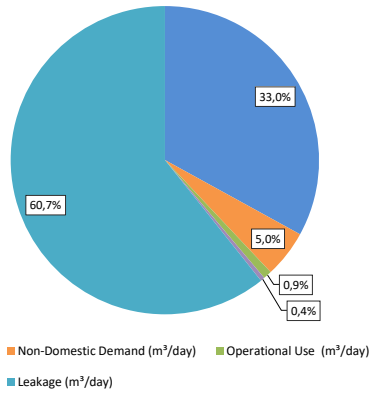
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000580	Croily WTP	4 900	4 083	4 492	7 160	249	Yield	230	-	230	Significant Reduction
TOTAL		4 900	4 083	4 492	7 160	249		230	-	230	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	457	238	238	4 900	4 959	5 279	6 272	2 682	
2025	449	235	235	4 900	4 931	5 254	6 241	2 632	
2030	443	232	232	4 900	5 007	5 334	6 336	2 730	
2035	441	231	231	4 900	5 079	5 413	6 429	2 828	
2040	440	230	230	4 900	5 150	5 493	6 521	2 926	
2044	438	230	230	4 900	5 208	5 551	6 595	3 005	

WRZ CODE	0600SC0007	WRZ Name	Arranmore Island	Study Area	A	Study Group		Local Authority	Donegal
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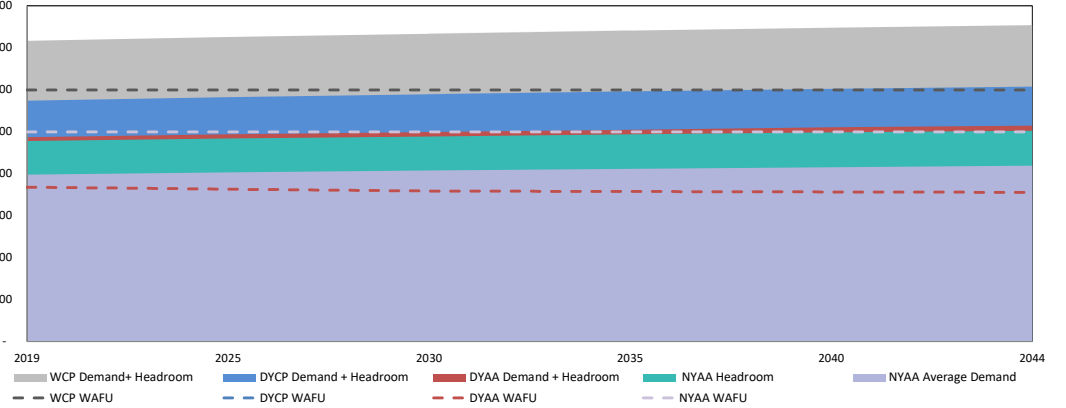
Base Demand in 2019	
Domestic Demand (m ³ /day)	131
Non-Domestic Demand (m ³ /day)	20
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	242
Demand (m³/day)	398

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	398	80	478	487	574	717
2025	403	81	484	494	583	726
2030	407	81	489	499	589	733
2035	411	82	494	505	596	741
2040	416	83	499	511	602	748
2044	419	84	503	515	608	754

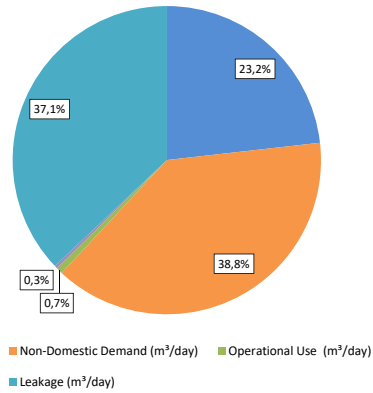
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000052	Arranmore Island WTP	600	500	550	No Licence	385	Yield	356	-	356	
TOTAL		600	500	550	-	385		356	-	356	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	500	368	368	600	22	118	206	117	-	-	-	-
2025	500	363	363	600	16	130	219	126	-	-	-	-
2030	500	359	359	600	11	140	230	133	-	-	-	-
2035	500	358	358	600	6	147	238	141	-	-	-	-
2040	500	357	357	600	1	154	246	148	-	-	-	-
2044	500	356	356	600	3	159	252	154	-	-	-	-

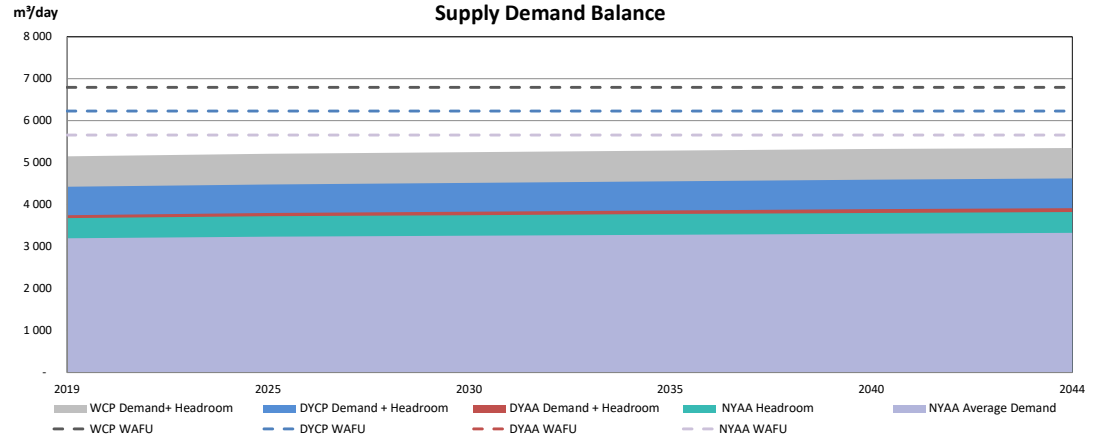
WRZ CODE	0600SC0009	WRZ Name	Killybegs	Study Area	A	Study Group	Local Authority	Donegal
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Base Demand in 2019	
Domestic Demand (m ³ /day)	742
Non-Domestic Demand (m ³ /day)	1 240
Operational Use (m ³ /day)	22
Apparent Losses (m ³ /day)	11
Leakage (m ³ /day)	1 186
Demand (m³/day)	3 201

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 201	480	3 681	3 750	4 425	5 153
2025	3 238	486	3 724	3 799	4 483	5 214
2030	3 261	489	3 750	3 830	4 520	5 251
2035	3 284	493	3 777	3 862	4 557	5 288
2040	3 307	496	3 803	3 894	4 594	5 325
2044	3 326	499	3 825	3 916	4 623	5 354

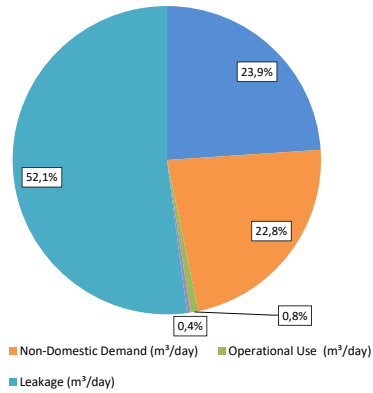
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001037	Killybegs WTP (OLD)	-	-	-	No Licence	694	22Hr	-	-	-	
WTP0001121	Killybegs WTP	6 800	5 667	6 233	No Licence	11 806	22Hr	6 233	-	6 233	
TOTAL		6 800	5 667	6 233	-	12 500		6 233	-	6 233	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	5 667	5 667	6 233	6 800	1 986	1 917	1 809	1 647	
2025	5 667	5 667	6 233	6 800	1 943	1 868	1 751	1 586	
2030	5 667	5 667	6 233	6 800	1 916	1 836	1 714	1 549	
2035	5 667	5 667	6 233	6 800	1 890	1 805	1 676	1 512	
2040	5 667	5 667	6 233	6 800	1 863	1 773	1 640	1 475	
2044	5 667	5 667	6 233	6 800	1 842	1 751	1 610	1 446	

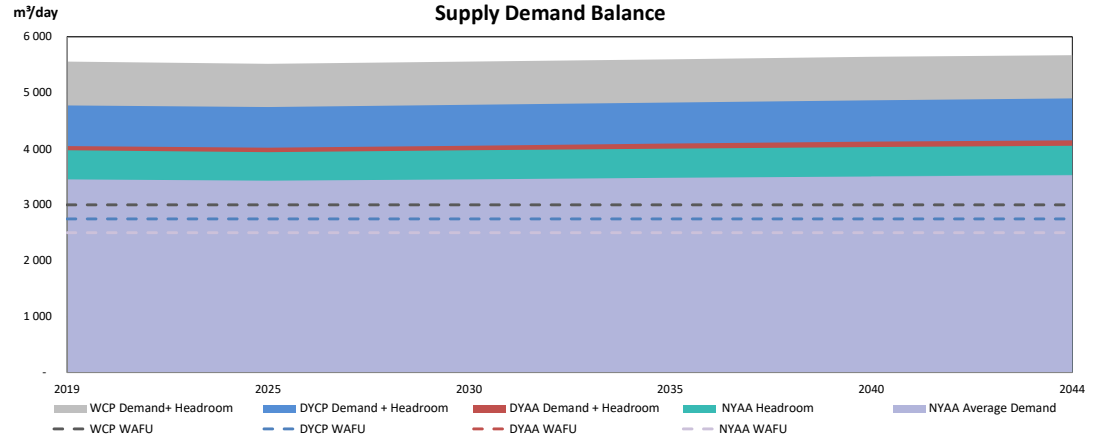
WRZ CODE	0600SC0010	WRZ Name	Donegal (River Eske)	Study Area	A	Study Group		Local Authority	Donegal
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Base Demand in	2019
Domestic Demand (m ³ /day)	826
Non-Domestic Demand (m ³ /day)	787
Operational Use (m ³ /day)	27
Apparent Losses (m ³ /day)	13
Leakage (m ³ /day)	1 799
Demand (m³/day)	3 453

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 453	518	3 971	4 046	4 774	5 560
2025	3 427	514	3 941	4 021	4 744	5 518
2030	3 453	518	3 971	4 055	4 785	5 559
2035	3 478	522	4 000	4 090	4 826	5 600
2040	3 504	526	4 030	4 126	4 867	5 641
2044	3 524	529	4 053	4 150	4 899	5 674

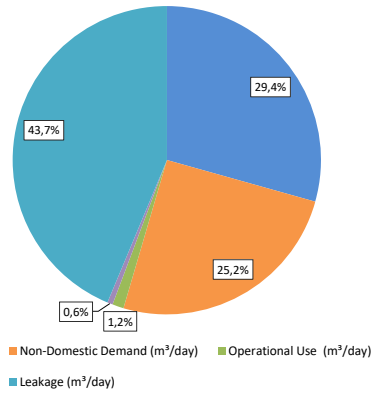
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000620	River Eske WTP	3 000	2 500	2 750	No Licence	4 262	22Hr	2 750	-	2 750	
TOTAL		3 000	2 500	2 750	-	4 262		2 750	-	2 750	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	2 500	2 500	2 750	3 000	1 471	1 546	2 024	2 560	
2025	2 500	2 500	2 750	3 000	1 441	1 521	1 994	2 518	
2030	2 500	2 500	2 750	3 000	1 471	1 555	2 035	2 559	
2035	2 500	2 500	2 750	3 000	1 500	1 590	2 076	2 600	
2040	2 500	2 500	2 750	3 000	1 530	1 626	2 117	2 641	
2044	2 500	2 500	2 750	3 000	1 553	1 650	2 149	2 674	

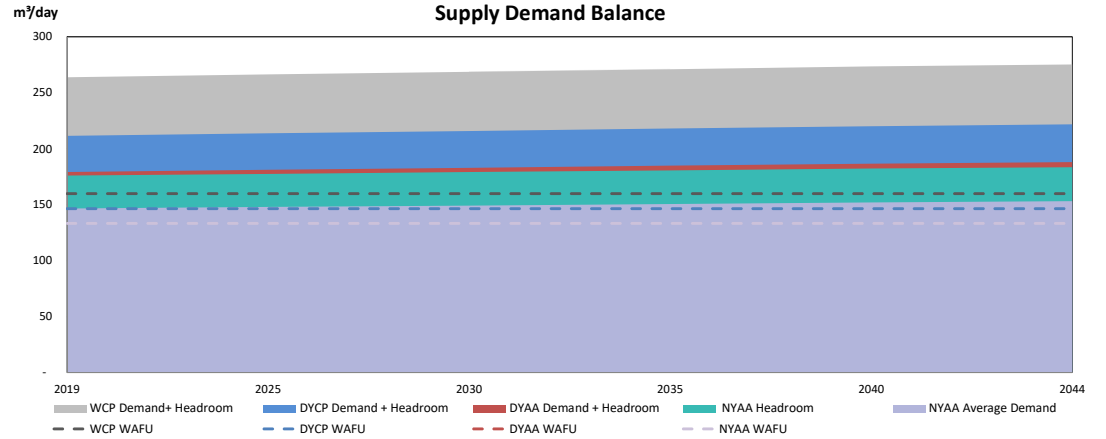
WRZ CODE	0600SC0011	WRZ Name	Pettigo Pub	Study Area	B	Study Group		Local Authority	Donegal
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Base Demand in 2019	
Domestic Demand (m ³ /day)	43
Non-Domestic Demand (m ³ /day)	37
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	64
Demand (m³/day)	147

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	147	29	176	179	212	264
2025	148	30	178	181	214	266
2030	149	30	179	183	216	269
2035	151	30	181	185	218	271
2040	152	30	182	187	220	274
2044	153	31	184	188	222	275

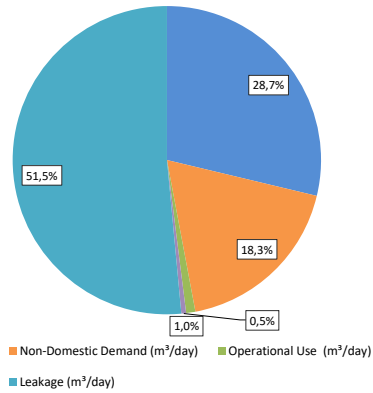
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000634	Pettigo WTP	160	133	147	No Licence	595	22Hr	147	-	147	Significant Reduction
TOTAL		160	133	147	-	595		147	-	147	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WAFU (m ³ /day)
2019	133	133	147	160	43	46	65	104	147	147
2025	133	133	147	160	44	48	67	106	147	147
2030	133	133	147	160	46	50	69	109	147	147
2035	133	133	147	160	47	51	71	111	147	147
2040	133	133	147	160	49	53	74	114	147	147
2044	133	133	147	160	50	55	75	115	147	147

WRZ CODE	0600SC0012	WRZ Name	Culdaff	Study Area	A	Study Group		Local Authority	Donegal
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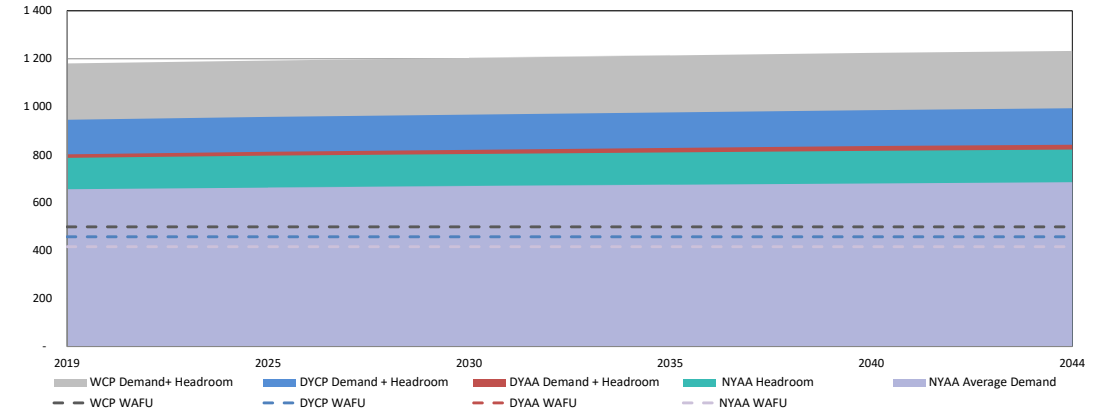
Base Demand in 2019	
Domestic Demand (m ³ /day)	188
Non-Domestic Demand (m ³ /day)	120
Operational Use (m ³ /day)	7
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	338
Demand (m³/day)	656

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	656	131	787	802	946	1 181
2025	663	133	796	812	958	1 193
2030	669	134	803	820	967	1 204
2035	675	135	810	828	977	1 214
2040	680	136	817	836	986	1 225
2044	685	137	822	842	994	1 233

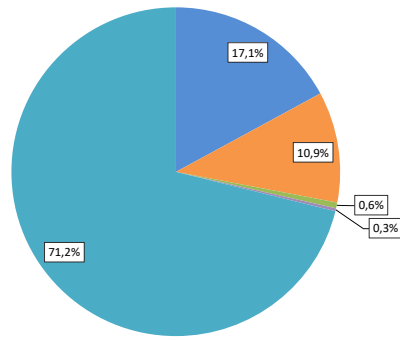
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000599	Culdaff WTP	500	417	458	No Licence	527	22Hr	458	-	458	
TOTAL		500	417	458	-	527		458	-	458	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	417	417	458	500	371	385	488	681	
2025	417	417	458	500	379	395	499	693	
2030	417	417	458	500	386	403	509	704	
2035	417	417	458	500	393	411	518	714	
2040	417	417	458	500	400	419	528	725	
2044	417	417	458	500	406	425	535	733	

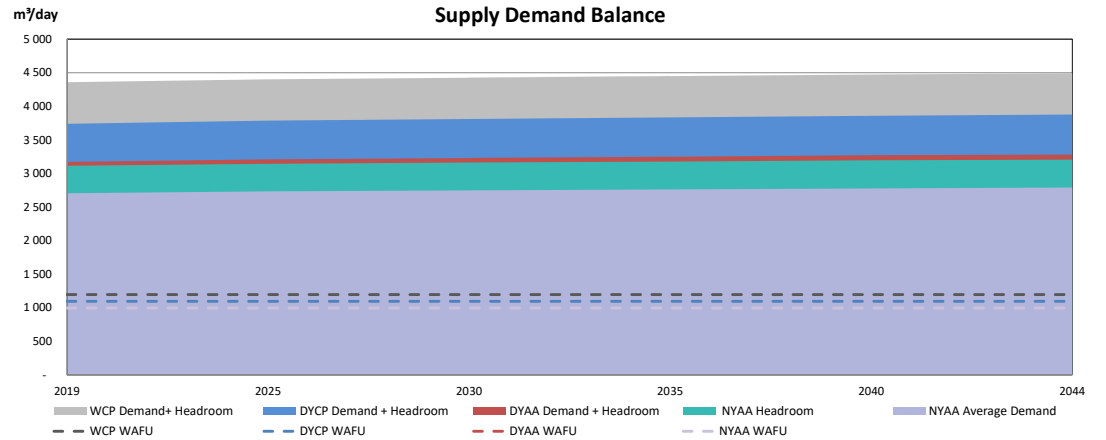
WRZ CODE	0600SC0013	WRZ Name	Owenteskiny	Study Area	A	Study Group		Local Authority	Donegal
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Base Demand in	2019
Domestic Demand (m ³ /day)	463
Non-Domestic Demand (m ³ /day)	295
Operational Use (m ³ /day)	16
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	1 926
Demand (m³/day)	2 707

Components of Base Demand 2019



- Domestic Demand (m³/day)
- Non-Domestic Demand (m³/day)
- Operational Use (m³/day)
- Apparent Losses (m³/day)
- Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 707	406	3 113	3 172	3 742	4 359
2025	2 735	410	3 145	3 209	3 786	4 403
2030	2 749	412	3 162	3 229	3 810	4 427
2035	2 764	415	3 178	3 250	3 835	4 450
2040	2 778	417	3 195	3 271	3 859	4 473
2044	2 790	418	3 208	3 284	3 878	4 491

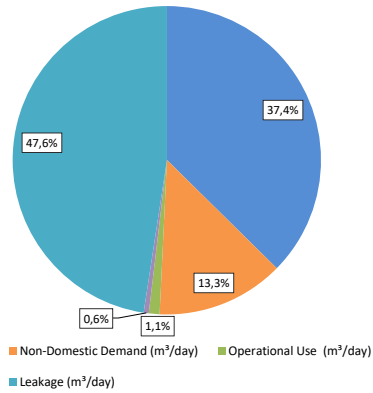
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000282	Owenteskna WTP	1 200	1 000	1 100	No Licence	11 417	22Hr	1 100	-	1 100	
TOTAL		1 200	1 000	1 100	-	11 417		1 100	-	1 100	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 000	1 000	1 100	1 200	2 113	2 172	2 642	3 159	2 113	2 172	2 642	3 159
2025	1 000	1 000	1 100	1 200	2 145	2 209	2 686	3 203	2 145	2 209	2 686	3 203
2030	1 000	1 000	1 100	1 200	2 162	2 229	2 710	3 227	2 162	2 229	2 710	3 227
2035	1 000	1 000	1 100	1 200	2 178	2 250	2 735	3 250	2 178	2 250	2 735	3 250
2040	1 000	1 000	1 100	1 200	2 195	2 271	2 759	3 273	2 195	2 271	2 759	3 273
2044	1 000	1 000	1 100	1 200	2 208	2 284	2 778	3 291	2 208	2 284	2 778	3 291

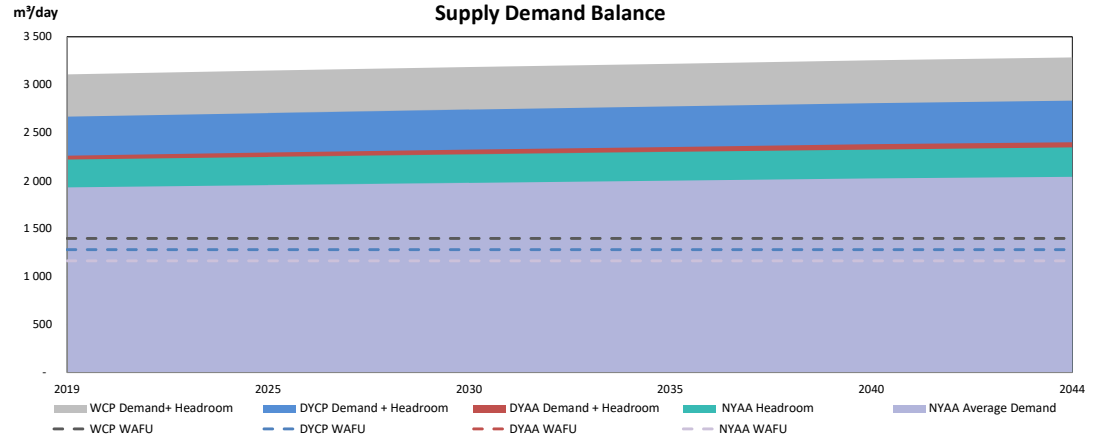
WRZ CODE	0600SC0026	WRZ Name	GORTAHORK-FALCARRAGH	Study Area	A	Study Group		Local Authority	Donegal
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Base Demand in	2019
Domestic Demand (m ³ /day)	722
Non-Domestic Demand (m ³ /day)	258
Operational Use (m ³ /day)	22
Apparent Losses (m ³ /day)	11
Leakage (m ³ /day)	919
Demand (m³/day)	1 931

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 931	290	2 221	2 262	2 670	3 109
2025	1 955	293	2 248	2 294	2 706	3 148
2030	1 977	297	2 274	2 323	2 741	3 184
2035	2 000	300	2 300	2 352	2 775	3 220
2040	2 022	303	2 326	2 381	2 809	3 256
2044	2 040	306	2 346	2 402	2 836	3 285

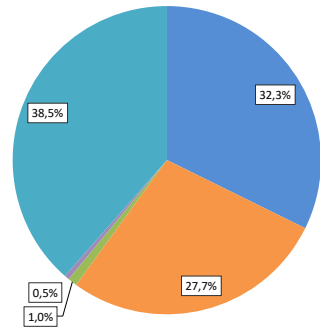
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000439	Gortahork - Falcarragh WTP	1 400	1 167	1 283	No Licence	2 393	22Hr	1 283	-	1 283	
TOTAL		1 400	1 167	1 283	-	2 393		1 283	-	1 283	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	1 167	1 167	1 283	1 400	1 054	1 096	1 386	1 709	1 709
2025	1 167	1 167	1 283	1 400	1 082	1 127	1 423	1 748	1 748
2030	1 167	1 167	1 283	1 400	1 107	1 156	1 457	1 784	1 784
2035	1 167	1 167	1 283	1 400	1 133	1 185	1 492	1 820	1 820
2040	1 167	1 167	1 283	1 400	1 159	1 214	1 525	1 856	1 856
2044	1 167	1 167	1 283	1 400	1 179	1 235	1 553	1 885	1 885

WRZ CODE	0600SC0028	WRZ Name	Lough Mourne	Study Area	A	Study Group		Local Authority	Donegal
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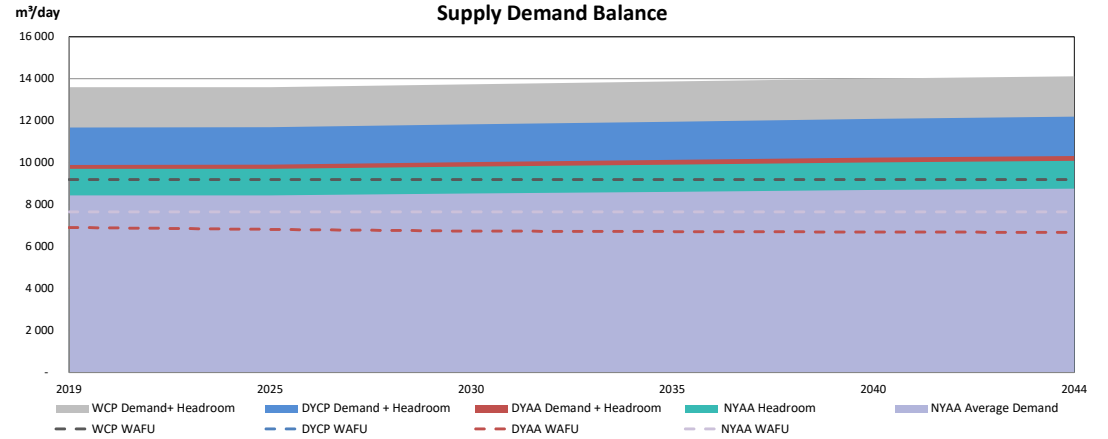
Base Demand in	2019
Domestic Demand (m ³ /day)	2 726
Non-Domestic Demand (m ³ /day)	2 342
Operational Use (m ³ /day)	83
Apparent Losses (m ³ /day)	40
Leakage (m ³ /day)	3 253
Demand (m³/day)	8 444

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8 444	1 267	9 711	9 892	11 672	13 595
2025	8 449	1 267	9 717	9 913	11 696	13 604
2030	8 534	1 280	9 814	10 023	11 827	13 740
2035	8 618	1 293	9 911	10 135	11 958	13 876
2040	8 703	1 305	10 008	10 247	12 088	14 012
2044	8 770	1 316	10 086	10 326	12 191	14 120

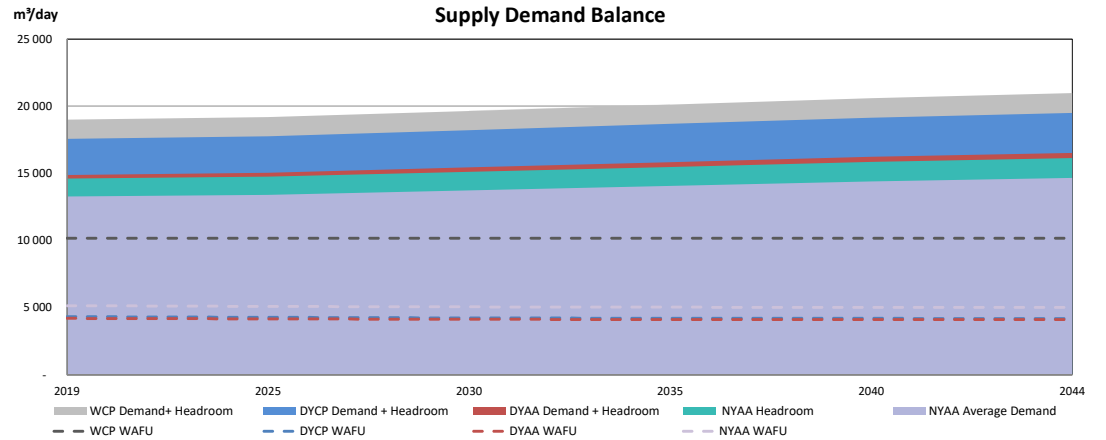
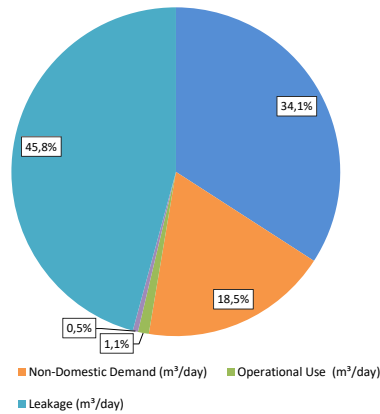
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000144	Lough Mourne (Meencrumlin) W	9 200	7 667	8 433	20 640	7 231	Yield	6 689	-	6 689	Significant Reduction
TOTAL		9 200	7 667	8 433	20 640	7 231		6 689	-	6 689	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	7 667	6 921	6 921	9 200	2 044	2 971	4 751	4 395	4 395
2025	7 667	6 828	6 828	9 200	2 050	3 085	4 868	4 404	4 404
2030	7 667	6 750	6 750	9 200	2 147	3 273	5 077	4 540	4 540
2035	7 667	6 727	6 727	9 200	2 244	3 408	5 231	4 676	4 676
2040	7 667	6 706	6 706	9 200	2 342	3 541	5 382	4 812	4 812
2044	7 667	6 689	6 689	9 200	2 419	3 638	5 503	4 920	4 920

WRZ CODE	0600SC0029	WRZ Name	Letterkenny / Milford	Study Area	A	Study Group		Local Authority	Donegal
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Base Demand in 2019	
Domestic Demand (m ³ /day)	4 533
Non-Domestic Demand (m ³ /day)	2 463
Operational Use (m ³ /day)	141
Apparent Losses (m ³ /day)	69
Leakage (m ³ /day)	6 084
Demand (m³/day)	13 290

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	13 290	1 329	14 618	14 892	17 572	19 004
2025	13 419	1 342	14 761	15 058	17 768	19 189
2030	13 749	1 375	15 124	15 446	18 226	19 661
2035	14 082	1 408	15 490	15 839	18 689	20 137
2040	14 414	1 441	15 856	16 234	19 151	20 613
2044	14 681	1 468	16 149	16 533	19 520	20 993

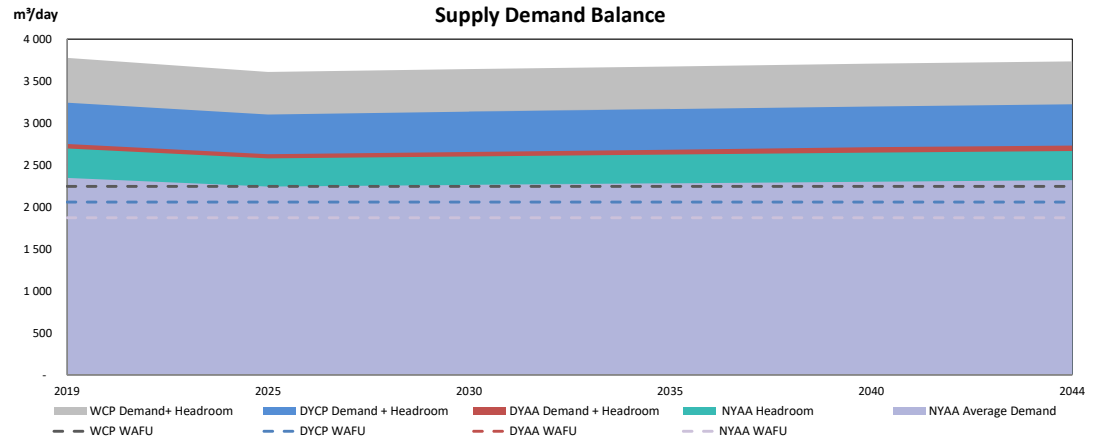
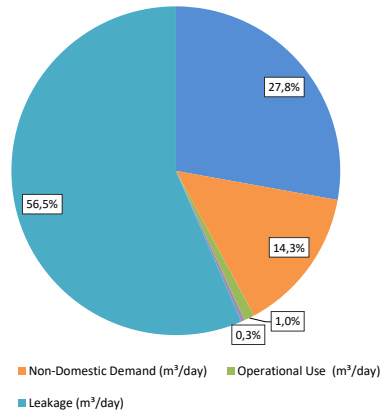
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000312	Ballymacool WTP	1 600	1 333	1 467	No Licence	1 437	Yield	1 422	-	1 422	
WTP0000660	Rathmullen WTP	1 800	1 500	1 650	No Licence	606	Yield	561	-	561	
WTP0000166	Milford WTP	2 500	2 083	2 292	650	563	Yield	546	-	546	Significant Reduction
WTP0000112	Letterkenny (Goldrum) WTP	4 300	3 583	3 942	No Licence	1 734	Yield	1 682	-	1 682	
TOTAL		10 200	8 500	9 350	650	4 340		4 211	-	4 211	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	5 166	4 219	4 352	10 200	9 453	10 673	13 220	8 804			
2025	5 115	4 180	4 299	10 200	9 646	10 878	13 469	8 989			
2030	5 072	4 148	4 250	10 200	10 052	11 299	13 976	9 461			
2035	5 059	4 138	4 235	10 200	10 431	11 701	14 454	9 937			
2040	5 047	4 129	4 222	10 200	10 809	12 104	14 929	10 413			
2044	5 038	4 122	4 211	10 200	11 111	12 411	15 309	10 793			

WRZ CODE	0600SC0030	WRZ Name	Ballyshannon	Study Area	B	Study Group		Local Authority	Donegal
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Base Demand in	2019
Domestic Demand (m ³ /day)	653
Non-Domestic Demand (m ³ /day)	335
Operational Use (m ³ /day)	24
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	1 327
Demand (m³/day)	2 347

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 347	352	2 699	2 750	3 245	3 779
2025	2 242	336	2 579	2 631	3 104	3 610
2030	2 263	339	2 602	2 658	3 136	3 643
2035	2 283	342	2 625	2 685	3 168	3 676
2040	2 303	345	2 649	2 712	3 199	3 708
2044	2 319	348	2 667	2 731	3 224	3 734

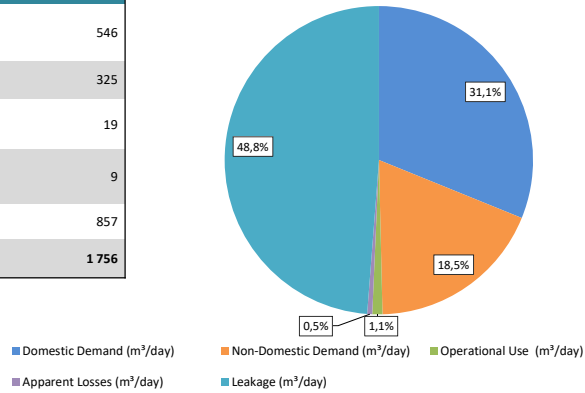
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000288	Ballymagroarty WTP	800	667	733	No Licence	981	22Hr	733	-	733	
WTP0000279	Ballyshannon (Parkhill) WTP	1 450	1 208	1 329	No Licence	2 385	22Hr	1 329	-	1 329	
TOTAL		2 250	1 875	2 063	-	3 366		2 063	-	2 063	

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 875	1 875	2 063	2 250	824	875	1 182	1 529
2025	1 875	1 875	2 063	2 250	704	756	1 042	1 360
2030	1 875	1 875	2 063	2 250	727	783	1 073	1 393
2035	1 875	1 875	2 063	2 250	750	810	1 105	1 426
2040	1 875	1 875	2 063	2 250	774	837	1 137	1 458
2044	1 875	1 875	2 063	2 250	792	856	1 162	1 484

WRZ CODE	0600SC0035	WRZ Name	GLENTIES-ARDARA	Study Area	A	Study Group		Local Authority	Donegal
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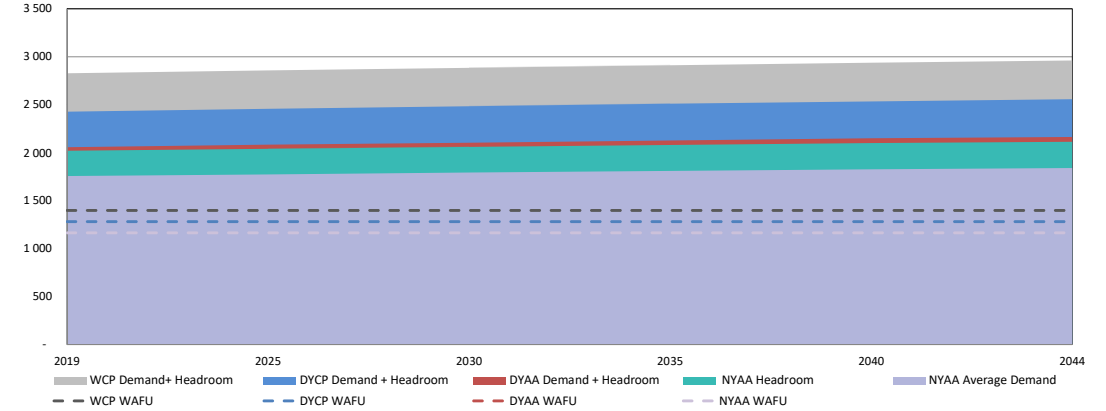
Base Demand in 2019	
Domestic Demand (m ³ /day)	546
Non-Domestic Demand (m ³ /day)	325
Operational Use (m ³ /day)	19
Apparent Losses (m ³ /day)	9
Leakage (m ³ /day)	857
Demand (m³/day)	1 756

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 756	263	2 020	2 057	2 428	2 827
2025	1 775	266	2 041	2 082	2 457	2 858
2030	1 792	269	2 061	2 105	2 483	2 885
2035	1 809	271	2 080	2 127	2 510	2 912
2040	1 826	274	2 100	2 150	2 536	2 939
2044	1 839	276	2 115	2 166	2 557	2 961

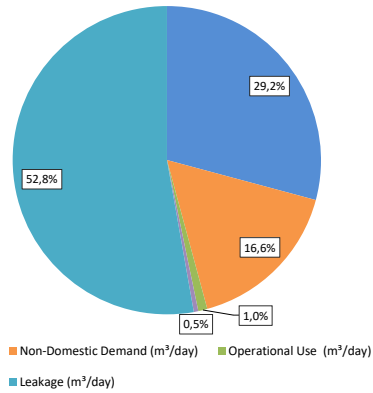
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000076	Glenties WTP	1 400	1 167	1 283	No Licence	2 409	22Hr	1 283	-	1 283	
TOTAL		1 400	1 167	1 283	-	2 409		1 283	-	1 283	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 167	1 167	1 283	1 400	853	891	1 144	1 427	
2025	1 167	1 167	1 283	1 400	875	916	1 174	1 458	
2030	1 167	1 167	1 283	1 400	894	938	1 200	1 485	
2035	1 167	1 167	1 283	1 400	913	960	1 226	1 512	
2040	1 167	1 167	1 283	1 400	933	983	1 253	1 539	
2044	1 167	1 167	1 283	1 400	949	999	1 273	1 561	

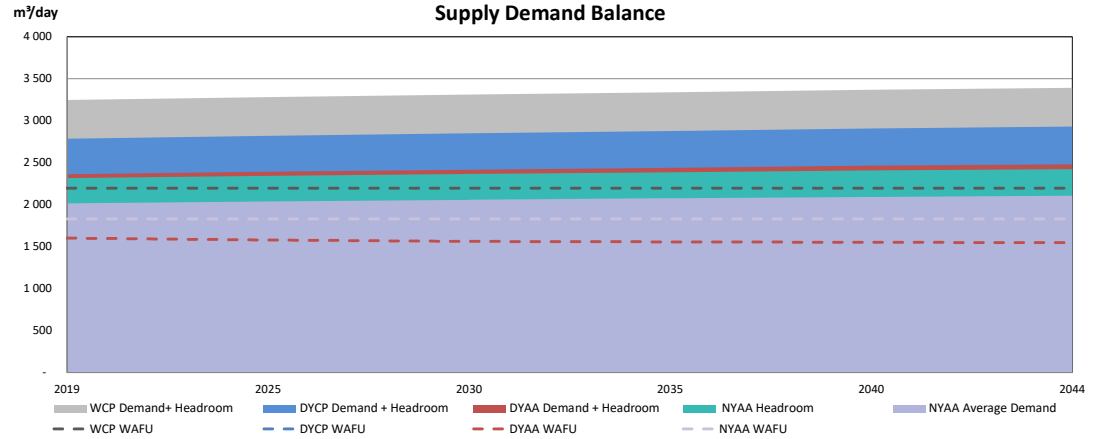
WRZ CODE	0600SC0036	WRZ Name	FROSSES-INVER	Study Area	A	Study Group		Local Authority	Donegal
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Base Demand in	2019
Domestic Demand (m ³ /day)	588
Non-Domestic Demand (m ³ /day)	335
Operational Use (m ³ /day)	19
Apparent Losses (m ³ /day)	9
Leakage (m ³ /day)	1 065
Demand (m³/day)	2 016

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 016	302	2 318	2 362	2 787	3 246
2025	2 038	306	2 344	2 391	2 822	3 282
2030	2 057	308	2 365	2 416	2 850	3 311
2035	2 075	311	2 386	2 440	2 879	3 340
2040	2 093	314	2 407	2 464	2 907	3 370
2044	2 108	316	2 424	2 481	2 930	3 393

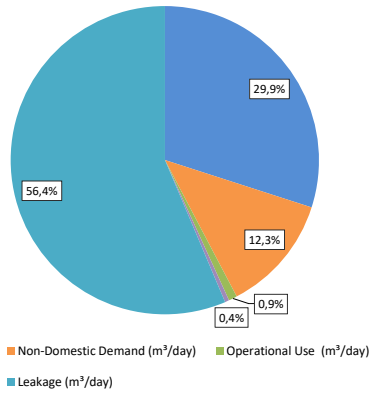
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000407	Frosses - Inver WTP	2 200	1 833	2 017	No Licence	1 675	Yield	1 550	-	1 550	
TOTAL		2 200	1 833	2 017	-	1 675		1 550	-	1 550	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom
2019	1 833	1 603	1 603	2 200	485	758	1 183	1 046	1 520
2025	1 833	1 582	1 582	2 200	511	809	1 240	1 082	1 520
2030	1 833	1 564	1 564	2 200	532	852	1 286	1 111	1 520
2035	1 833	1 558	1 558	2 200	553	881	1 320	1 140	1 520
2040	1 833	1 554	1 554	2 200	574	911	1 354	1 170	1 520
2044	1 833	1 550	1 550	2 200	590	932	1 380	1 193	1 520

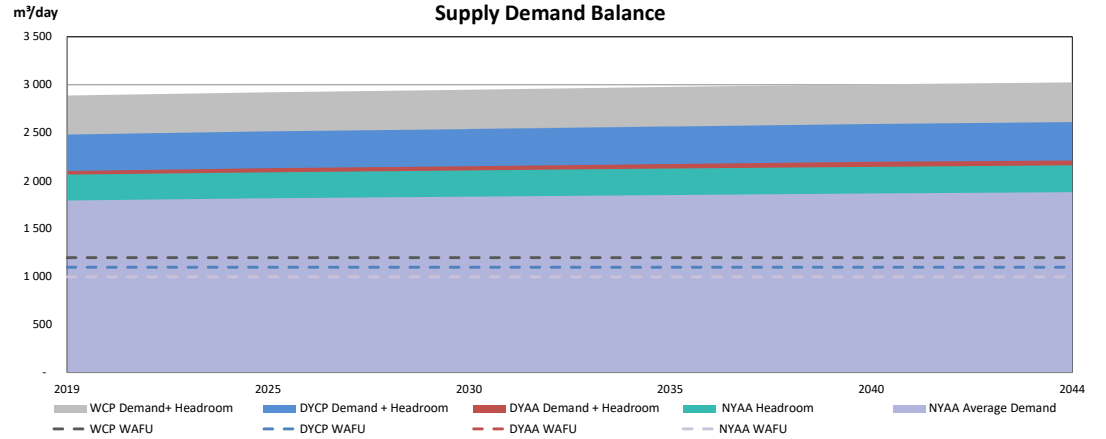
WRZ CODE	0600SC0038	WRZ Name	Lettermacaward	Study Area	A	Study Group		Local Authority	Donegal
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Base Demand in 2019	
Domestic Demand (m ³ /day)	537
Non-Domestic Demand (m ³ /day)	221
Operational Use (m ³ /day)	16
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	1 012
Demand (m³/day)	1 794

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 794	269	2 063	2 102	2 480	2 888
2025	1 816	272	2 088	2 130	2 513	2 923
2030	1 832	275	2 107	2 152	2 539	2 950
2035	1 849	277	2 126	2 174	2 565	2 977
2040	1 866	280	2 145	2 196	2 591	3 004
2044	1 879	282	2 161	2 212	2 612	3 025

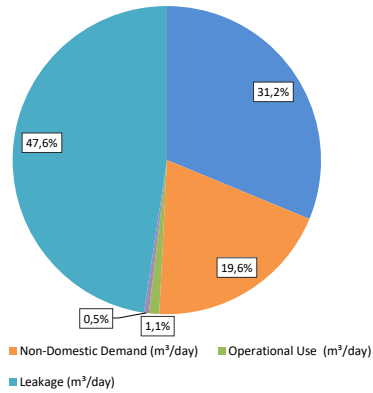
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000113	Lettermacaward WTP	1 200	1 000	1 100	No Licence	1 531	22Hr	1 100	-	1 100	Critical - Low Flow Intervention
TOTAL		1 200	1 000	1 100	-	1 531		1 100	-	1 100	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	1 000	1 000	1 100	1 200	1 063	1 102	1 380	1 688	1 688
2025	1 000	1 000	1 100	1 200	1 088	1 130	1 413	1 723	1 723
2030	1 000	1 000	1 100	1 200	1 107	1 152	1 439	1 750	1 750
2035	1 000	1 000	1 100	1 200	1 126	1 174	1 465	1 777	1 777
2040	1 000	1 000	1 100	1 200	1 145	1 196	1 491	1 804	1 804
2044	1 000	1 000	1 100	1 200	1 161	1 212	1 512	1 825	1 825

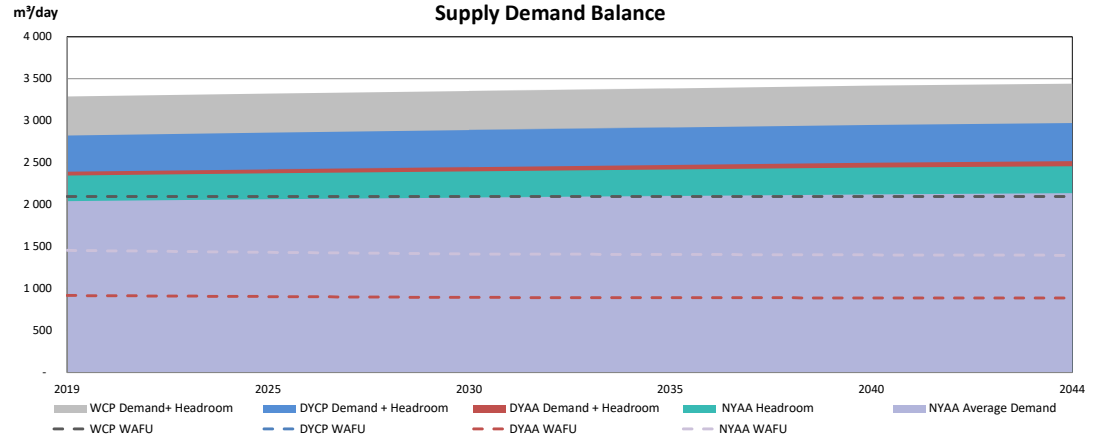
WRZ CODE	0600SC0039	WRZ Name	Creelough Dunfanaghy	Study Area	A	Study Group		Local Authority	Donegal
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Base Demand in	2019
Domestic Demand (m ³ /day)	637
Non-Domestic Demand (m ³ /day)	399
Operational Use (m ³ /day)	22
Apparent Losses (m ³ /day)	11
Leakage (m ³ /day)	972
Demand (m³/day)	2 042

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 042	306	2 348	2 392	2 823	3 288
2025	2 064	310	2 373	2 421	2 857	3 323
2030	2 084	313	2 396	2 447	2 888	3 355
2035	2 103	316	2 419	2 473	2 918	3 386
2040	2 123	318	2 442	2 500	2 949	3 418
2044	2 139	321	2 460	2 518	2 973	3 444

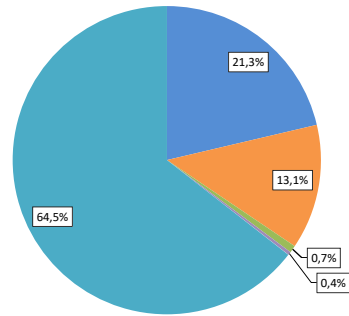
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000640	Creelough (Killdarragh) WTP	2 100	1 750	1 925	No Licence	916	Yield	889	-	889	
TOTAL		2 100	1 750	1 925	-	916		889	-	889	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 457	920	920	2 100	891	1 473	1 903	1 188	
2025	1 434	907	907	2 100	940	1 514	1 949	1 223	
2030	1 414	897	897	2 100	982	1 550	1 990	1 255	
2035	1 408	894	894	2 100	1 010	1 579	2 024	1 286	
2040	1 403	891	891	2 100	1 038	1 608	2 058	1 318	
2044	1 399	889	889	2 100	1 061	1 629	2 084	1 344	

WRZ CODE	0600SC0041	WRZ Name	Cashilard	Study Area	B	Study Group		Local Authority	Donegal
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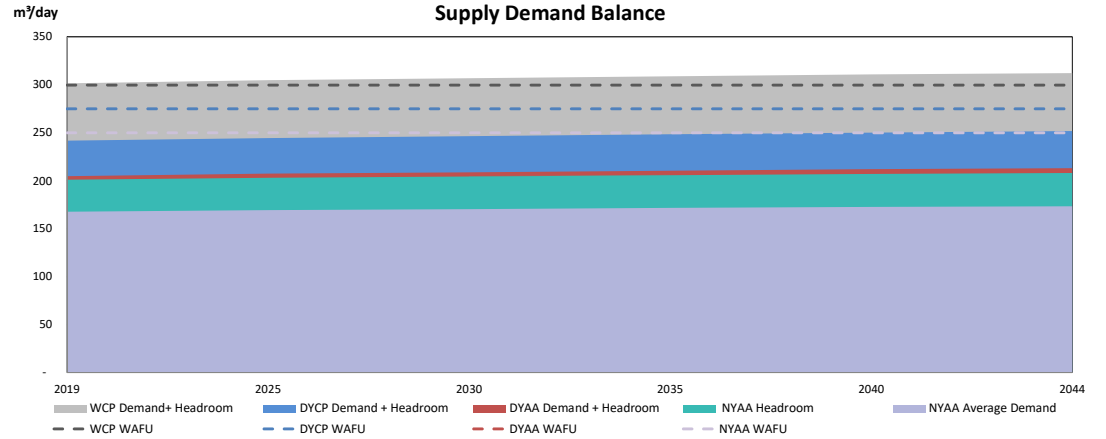
Base Demand in 2019	
Domestic Demand (m ³ /day)	36
Non-Domestic Demand (m ³ /day)	22
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	108
Demand (m³/day)	168

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	168	34	201	205	242	302
2025	169	34	203	207	245	305
2030	170	34	204	209	246	307
2035	172	34	206	210	248	309
2040	173	35	207	212	250	311
2044	174	35	208	213	252	312

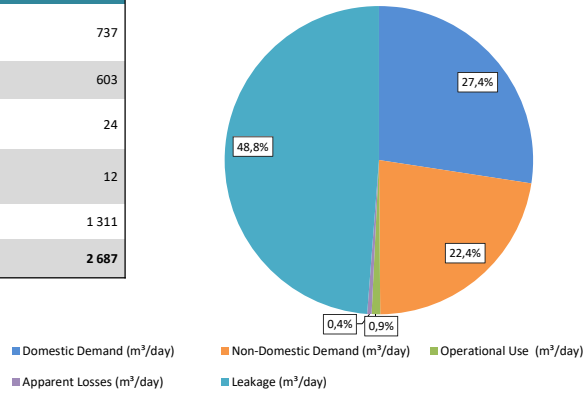
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000553	Cashilard WTP	300	250	275	No Licence	352	22Hr	275	-	275	
TOTAL		300	250	275	-	352		275	-	275	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	250	250	275	300	49	45	33	2
2025	250	250	275	300	47	43	30	5
2030	250	250	275	300	46	41	29	7
2035	250	250	275	300	44	40	27	9
2040	250	250	275	300	43	38	25	11
2044	250	250	275	300	42	37	23	12

WRZ CODE	0600SC0042	WRZ Name	Bundoran Urban	Study Area	B	Study Group		Local Authority	Donegal
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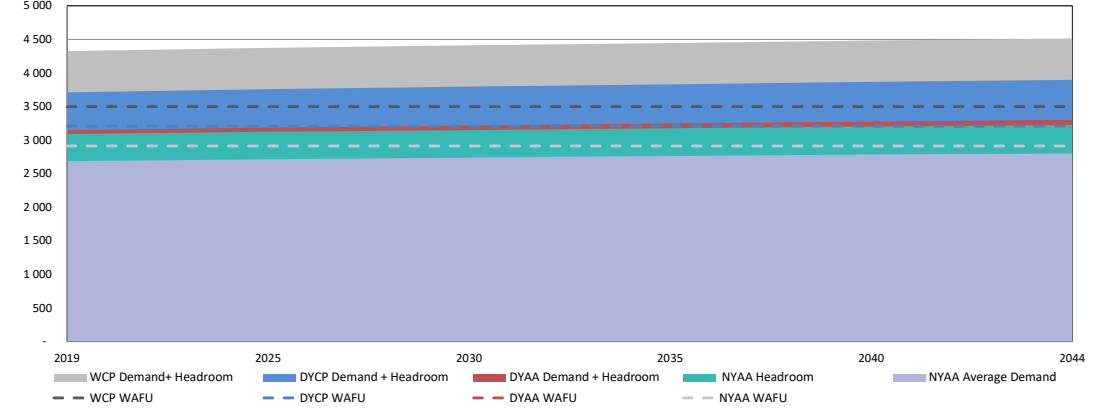
Base Demand in 2019	
Domestic Demand (m ³ /day)	737
Non-Domestic Demand (m ³ /day)	603
Operational Use (m ³ /day)	24
Apparent Losses (m ³ /day)	12
Leakage (m ³ /day)	1 311
Demand (m³/day)	2 687

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 687	403	3 089	3 147	3 714	4 325
2025	2 716	407	3 124	3 187	3 760	4 373
2030	2 739	411	3 150	3 217	3 796	4 410
2035	2 762	414	3 176	3 248	3 832	4 447
2040	2 785	418	3 202	3 279	3 868	4 483
2044	2 803	420	3 223	3 300	3 896	4 513

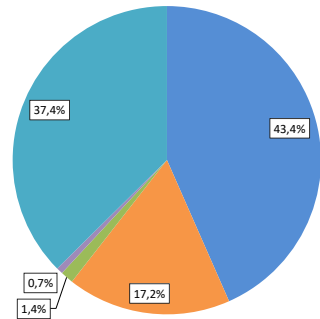
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000327	Bundoran (Lough Melvin) WTP	3 500	2 917	3 208	No Licence	184 569	22Hr	3 208	-	3 208	
TOTAL		3 500	2 917	3 208	-	184 569		3 208	-	3 208	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	2 917	2 917	3 208	3 500	173	231	505	825	-	-	-
2025	2 917	2 917	3 208	3 500	207	270	552	873	-	-	-
2030	2 917	2 917	3 208	3 500	233	301	588	910	-	-	-
2035	2 917	2 917	3 208	3 500	260	331	624	947	-	-	-
2040	2 917	2 917	3 208	3 500	286	362	660	983	-	-	-
2044	2 917	2 917	3 208	3 500	307	384	688	1 013	-	-	-

WRZ CODE	0600SC0043	WRZ Name	Carrigart-Downings & Cranford	Study Area	A	Study Group		Local Authority	Donegal
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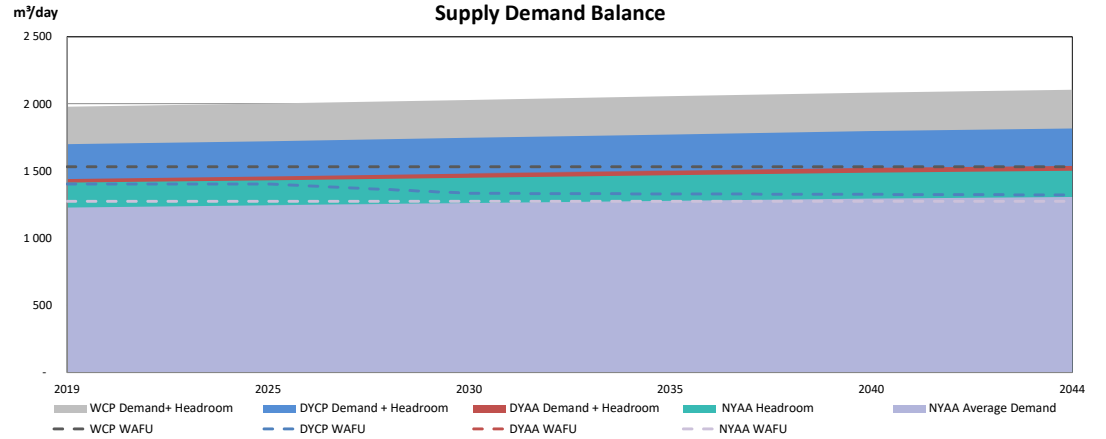
Base Demand in	2019
Domestic Demand (m ³ /day)	533
Non-Domestic Demand (m ³ /day)	211
Operational Use (m ³ /day)	17
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	460
Demand (m³/day)	1 230

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 230	184	1 414	1 441	1 700	1 980
2025	1 245	187	1 432	1 460	1 723	2 004
2030	1 261	189	1 451	1 482	1 748	2 031
2035	1 278	192	1 470	1 503	1 773	2 057
2040	1 294	194	1 489	1 524	1 798	2 084
2044	1 308	196	1 504	1 540	1 818	2 105

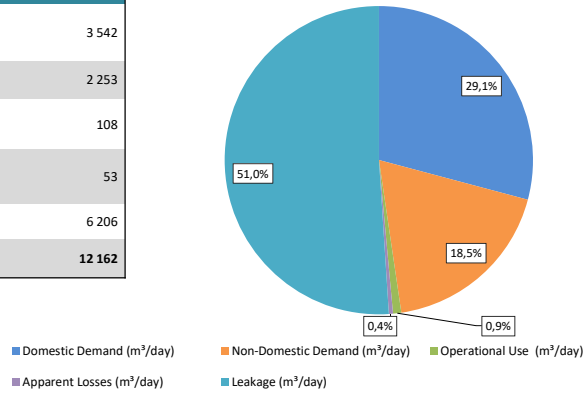
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000576	Cranford WTP	733	611	672	770	1 036	22Hr	672	-	672	
WTP0000360	Carrigart - Downings WTP	800	667	733	No Licence	705	Yield	652	-	652	Critical - Low Flow Intervention
TOTAL		1 533	1 278	1 405	770	1 741		1 324	-	1 324	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	1 278	1 278	1 405	1 533	-	137	-	163	-	447
2025	1 278	1 278	1 405	1 533	-	154	-	183	-	471
2030	1 278	1 278	1 336	1 533	-	173	-	204	-	498
2035	1 278	1 278	1 332	1 533	-	192	-	225	-	524
2040	1 278	1 278	1 327	1 533	-	211	-	247	-	551
2044	1 278	1 278	1 324	1 533	-	226	-	262	-	572

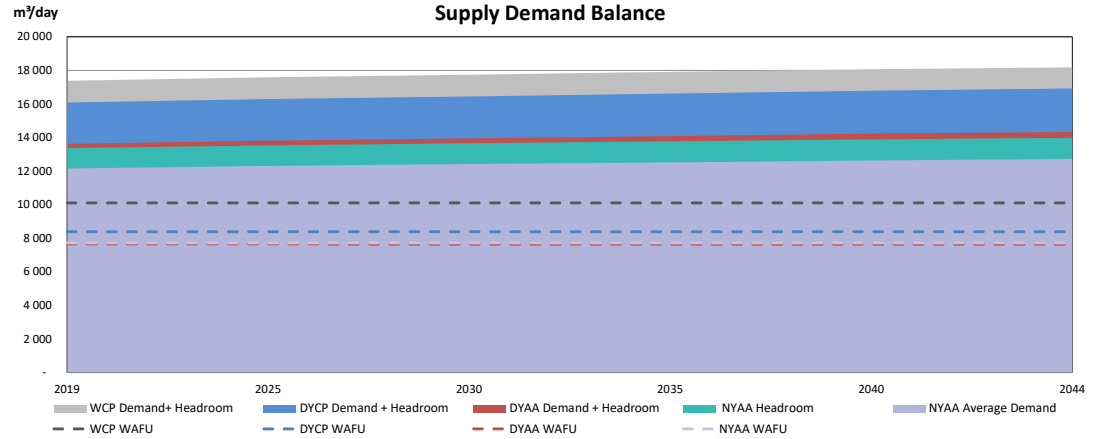
WRZ CODE	0600SC0044	WRZ Name	Inishowen East & Pollan Dam	Study Area	A	Study Group		Local Authority	Donegal
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Base Demand in 2019	
Domestic Demand (m ³ /day)	3 542
Non-Domestic Demand (m ³ /day)	2 253
Operational Use (m ³ /day)	108
Apparent Losses (m ³ /day)	53
Leakage (m ³ /day)	6 206
Demand (m³/day)	12 162

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	12 162	1 216	13 378	13 628	16 081	17 391
2025	12 304	1 230	13 535	13 807	16 292	17 595
2030	12 414	1 241	13 656	13 947	16 456	17 752
2035	12 524	1 252	13 776	14 087	16 622	17 909
2040	12 634	1 263	13 897	14 228	16 785	18 066
2044	12 721	1 272	13 994	14 327	16 915	18 192

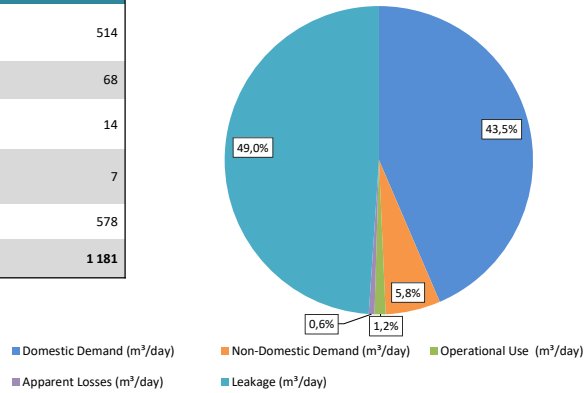
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000478	Inishowen East (Redcastle) WTP	1 320	1 100	1 210	1 230	349	Yield	323	-	323	Significant Reduction
WTP0000525	Illies WTP	8 800	7 333	8 067	20 500	26 125	22Hr	8 067	-	8 067	
TOTAL		10 120	8 433	9 277	21 730	26 474		8 390	-	8 390	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	7 738	7 668	8 401	10 120	5 640	5 961	7 680	7 271	7 271
2025	7 732	7 663	8 396	10 120	5 803	6 144	7 895	7 475	7 475
2030	7 726	7 659	8 393	10 120	5 929	6 287	8 064	7 632	7 632
2035	7 725	7 658	8 392	10 120	6 052	6 429	8 230	7 789	7 789
2040	7 723	7 657	8 391	10 120	6 174	6 571	8 394	7 946	7 946
2044	7 722	7 656	8 390	10 120	6 271	6 670	8 525	8 072	8 072

WRZ CODE	0600SC0045	WRZ Name	Buncrana	Study Area	A	Study Group		Local Authority	Donegal
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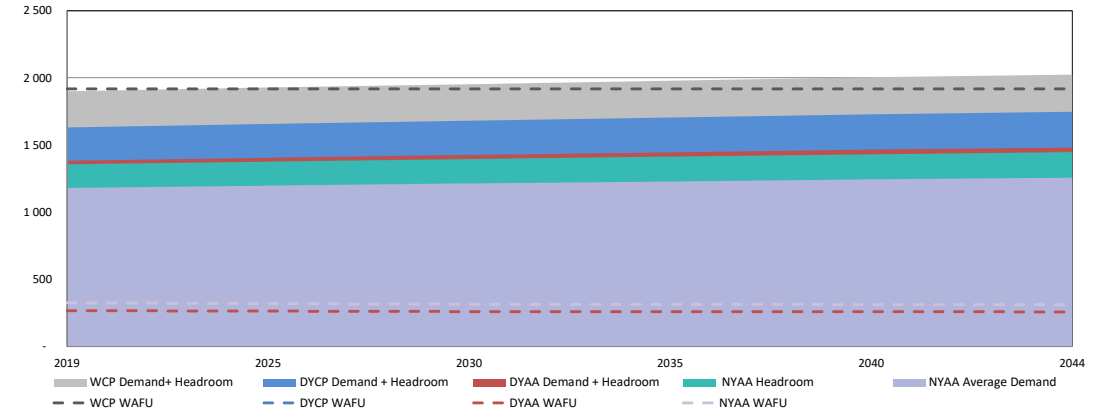
Base Demand in 2019	
Domestic Demand (m ³ /day)	514
Non-Domestic Demand (m ³ /day)	68
Operational Use (m ³ /day)	14
Apparent Losses (m ³ /day)	7
Leakage (m ³ /day)	578
Demand (m³/day)	1 181

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 181	177	1 358	1 383	1 632	1 901
2025	1 198	180	1 377	1 405	1 658	1 928
2030	1 214	182	1 396	1 426	1 682	1 954
2035	1 230	184	1 414	1 446	1 706	1 980
2040	1 246	187	1 432	1 466	1 730	2 005
2044	1 258	189	1 447	1 481	1 749	2 026

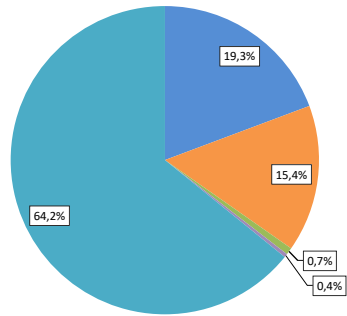
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000326	Buncrana WTP	1 920	1 600	1 760	No Licence	280	Yield	259	-	259	
TOTAL		1 920	1 600	1 760	-	280		259	-	259	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	
2019	327	268	268	1 920	-	1 031	-	1 115	-	1 364	19
2025	321	265	265	1 920	-	1 056	-	1 141	-	1 393	8
2030	317	262	262	1 920	-	1 079	-	1 164	-	1 420	34
2035	316	261	261	1 920	-	1 098	-	1 185	-	1 445	60
2040	315	260	260	1 920	-	1 118	-	1 207	-	1 470	85
2044	314	259	259	1 920	-	1 133	-	1 222	-	1 490	106

WRZ CODE	0600SC0046	WRZ Name	FANAD WEST	Study Area	A	Study Group		Local Authority	Donegal
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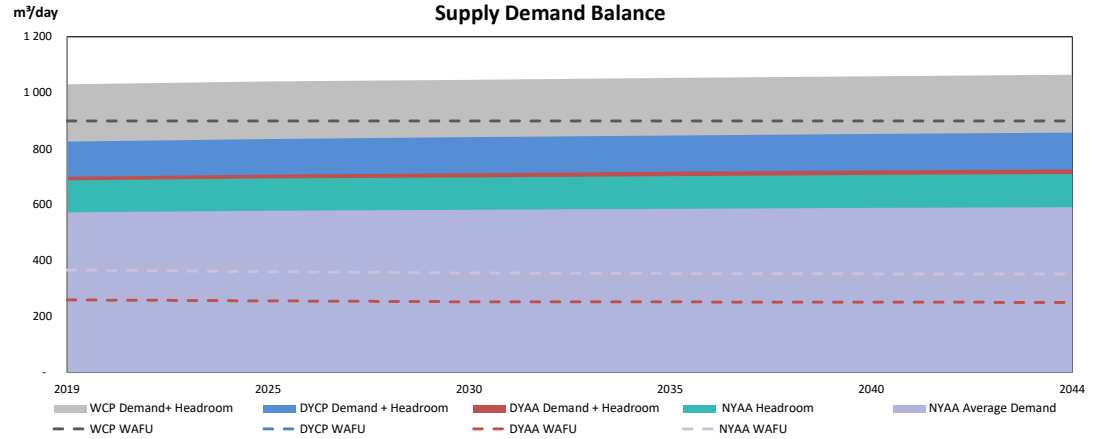
Base Demand in 2019	
Domestic Demand (m ³ /day)	110
Non-Domestic Demand (m ³ /day)	88
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	368
Demand (m³/day)	573

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	573	115	687	700	826	1 031
2025	578	116	694	708	835	1 041
2030	582	116	698	713	841	1 047
2035	585	117	702	718	847	1 053
2040	588	118	706	723	853	1 059
2044	591	118	709	726	857	1 064

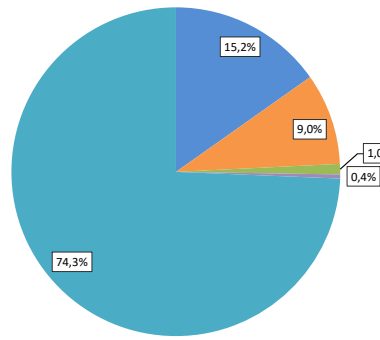
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001194	Tullyconnel WTP	900	750	825	600	259	Yield	251	-	251	Significant Reduction
TOTAL		900	750	825	600	259		251	-	251	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WCP (m ³ /day)
2019	367	260	260	900	320	440	566	131		
2025	361	257	257	900	333	451	578	141		
2030	356	254	254	900	342	459	587	147		
2035	355	253	253	900	347	465	594	153		
2040	353	252	252	900	353	471	601	159		
2044	352	251	251	900	357	475	606	164		

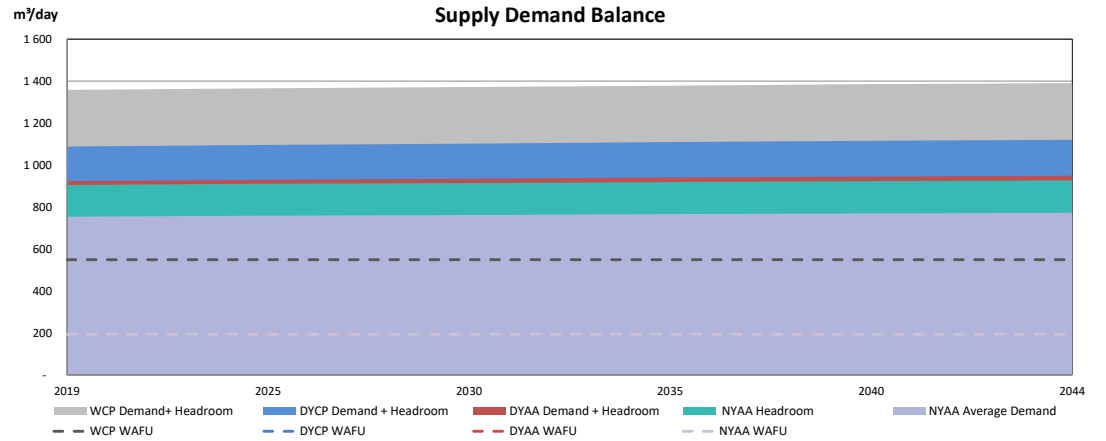
WRZ CODE	0600SC0047	WRZ Name	FANAD EAST	Study Area	A	Study Group		Local Authority	Donegal
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Base Demand in	2019
Domestic Demand (m ³ /day)	115
Non-Domestic Demand (m ³ /day)	68
Operational Use (m ³ /day)	8
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	561
Demand (m³/day)	755

Components of Base Demand 2019



- Domestic Demand (m³/day)
- Non-Domestic Demand (m³/day)
- Operational Use (m³/day)
- Apparent Losses (m³/day)
- Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	755	151	906	923	1 089	1 359
2025	759	152	911	929	1 096	1 366
2030	763	153	915	935	1 103	1 373
2035	766	153	919	940	1 109	1 379
2040	770	154	924	946	1 116	1 385
2044	773	155	927	949	1 121	1 391

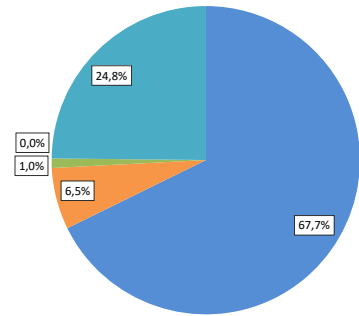
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000444	Fanad East (Lough Shannagh) WT	550	458	504	210	1 977	Abstraction Licence	194	-	194	
TOTAL		550	458	504	210	1 977		194	-	194	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	194	194	194	194	550 -	712 -	729 -	895 -	809		
2025	194	194	194	194	550 -	717 -	735 -	902 -	816		
2030	194	194	194	194	550 -	721 -	740 -	909 -	823		
2035	194	194	194	194	550 -	725 -	746 -	915 -	829		
2040	194	194	194	194	550 -	729 -	751 -	921 -	835		
2044	194	194	194	194	550 -	733 -	755 -	926 -	841		

WRZ CODE	0800SC0001	WRZ Name	Brittas	Study Area	9	Study Group		Local Authority	South Dublin
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Base Demand in 2019	
Domestic Demand (m ³ /day)	63
Non-Domestic Demand (m ³ /day)	6
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	23
Demand (m³/day)	93

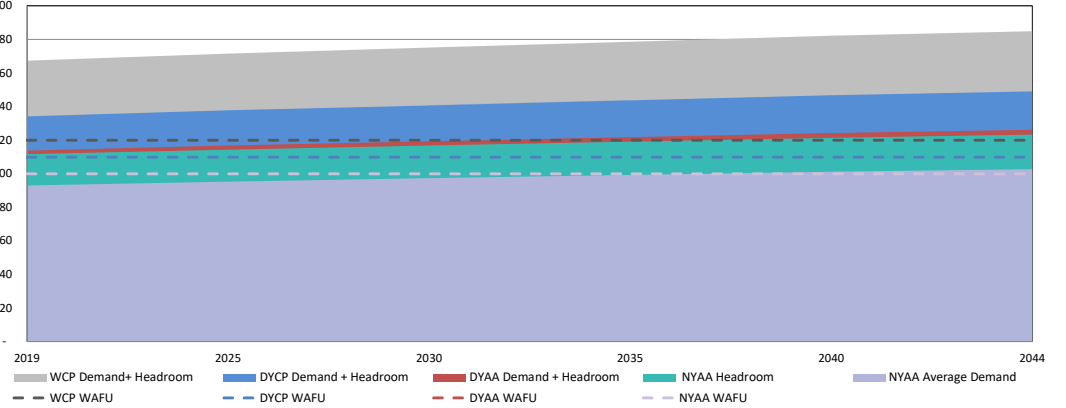
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	93	19	112	114	134	167
2025	95	19	114	117	138	172
2030	97	19	117	119	141	175
2035	99	20	119	122	144	179
2040	101	20	121	124	147	182
2044	103	21	123	126	149	185

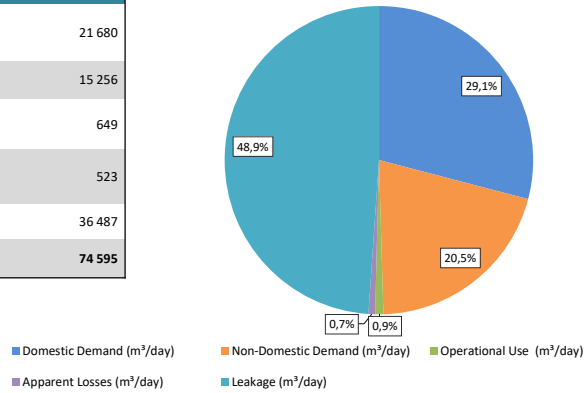
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000006	Brittas WTP	120	100	110	No Licence	115	22Hr	110	-	110	
TOTAL		120	100	110	-	115		110	-	110	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU (m ³ /day)
2019	100	100	110	120	12	14	24	47	100	110
2025	100	100	110	120	14	17	28	52	100	110
2030	100	100	110	120	17	19	31	55	100	110
2035	100	100	110	120	19	22	34	59	100	110
2040	100	100	110	120	21	24	37	62	100	110
2044	100	100	110	120	23	26	39	65	100	110

WRZ CODE	1100SC0001	WRZ Name	Lough Corrib (Galway City)	Study Area	D	Study Group	Local Authority	Galway City
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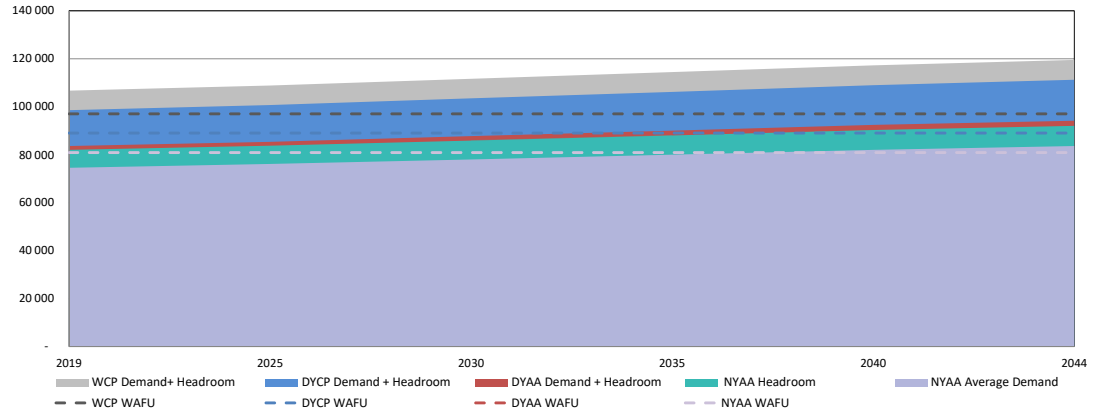
Base Demand in 2019	
Domestic Demand (m ³ /day)	21 680
Non-Domestic Demand (m ³ /day)	15 256
Operational Use (m ³ /day)	649
Apparent Losses (m ³ /day)	523
Leakage (m ³ /day)	36 487
Demand (m³/day)	74 595

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	74 595	7 459	82 054	83 591	98 633	106 671
2025	76 085	7 609	83 694	85 379	100 742	108 802
2030	78 067	7 807	85 874	87 705	103 487	111 636
2035	80 054	8 005	88 060	90 046	106 248	114 477
2040	82 041	8 204	90 246	92 395	108 999	117 319
2044	83 631	8 363	91 994	94 185	111 199	119 593

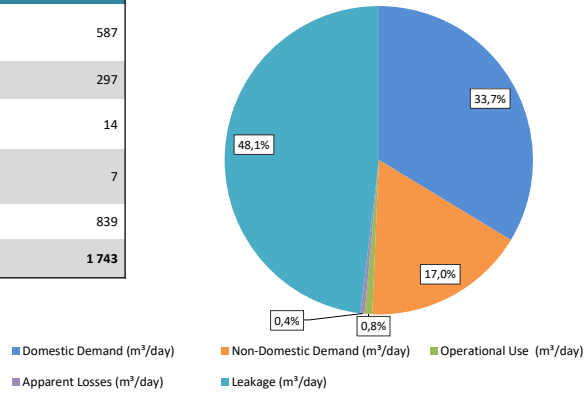
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000744	Terryland WTP	55 000	45 833	50 417	No Licence	219 560	22Hr	50 417	2 521	47 896	Significant Reduction
WTP0001180	Lake Road	2 040	1 700	1 870	No Licence	11 779	22Hr	1 870	-	1 870	
WTP0000136	Knockanima WTP	2 260	1 883	2 072	No Licence	11 779	22Hr	2 072	-	2 072	
WTP0000353	Carraroe WTP	2 400	2 000	2 200	No Licence	2 682	22Hr	2 200	-	2 200	
WTP0000712	Spiddal WTP	4 000	3 333	3 667	No Licence	21 104	22Hr	3 667	-	3 667	
WTP0000042	Tuam (Luimnagh) WTP	36 000	30 000	33 000	No Licence	1 072 841	22Hr	33 000	1 650	31 350	Demand > Safe Production Capacity
TOTAL		101 700	84 750	93 225	-	1 339 746		93 225	4 171	89 054	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	80 958	80 958	89 054	97 150	1 096	2 633	9 579	9 521	
2025	80 958	80 958	89 054	97 150	2 736	4 421	11 688	11 652	
2030	80 958	80 958	89 054	97 150	4 915	6 747	14 433	14 486	
2035	80 958	80 958	89 054	97 150	7 101	9 087	17 194	17 327	
2040	80 958	80 958	89 054	97 150	9 287	11 436	19 944	20 169	
2044	80 958	80 958	89 054	97 150	11 036	13 227	22 145	22 443	

WRZ CODE	1100SC0001_B	WRZ Name	Carna_KilKieran RWSS	Study Area	D	Study Group	Local Authority	Galway
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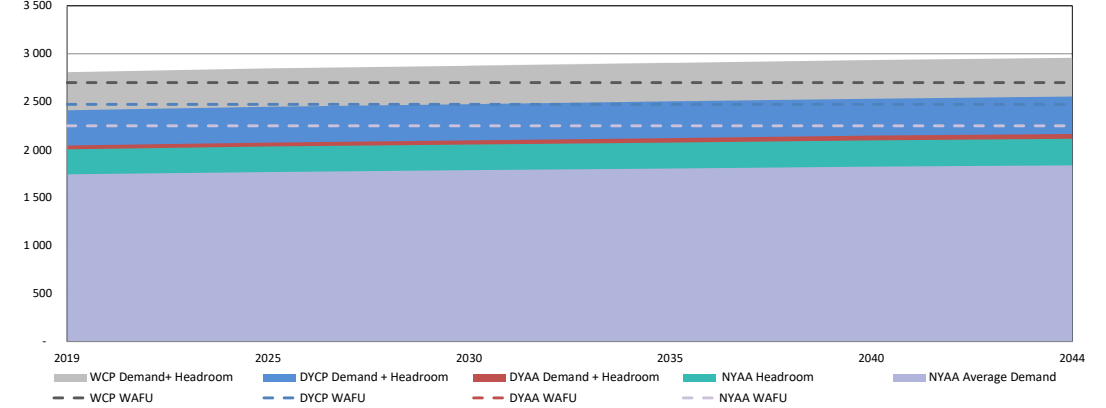
Base Demand in 2019	
Domestic Demand (m ³ /day)	587
Non-Domestic Demand (m ³ /day)	297
Operational Use (m ³ /day)	14
Apparent Losses (m ³ /day)	7
Leakage (m ³ /day)	839
Demand (m³/day)	1 743

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 743	262	2 005	2 042	2 410	2 807
2025	1 768	265	2 034	2 074	2 448	2 847
2030	1 786	268	2 054	2 098	2 476	2 876
2035	1 805	271	2 075	2 122	2 504	2 905
2040	1 823	273	2 096	2 146	2 532	2 935
2044	1 837	276	2 113	2 163	2 554	2 958

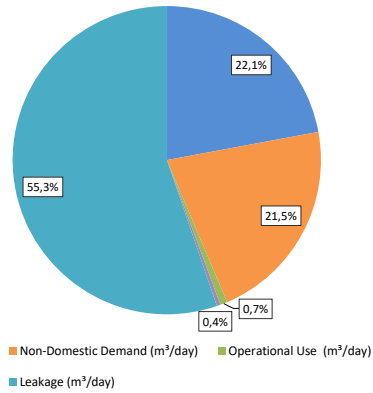
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000347	Carna Kilkieran WTP	2 700	2 250	2 475	No Licence	2 663	22Hr	2 475	-	2 475	
TOTAL		2 700	2 250	2 475	-	2 663		2 475	-	2 475	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 250	2 250	2 475	2 700	245	208	65	107
2025	2 250	2 250	2 475	2 700	216	176	27	147
2030	2 250	2 250	2 475	2 700	196	152	1	176
2035	2 250	2 250	2 475	2 700	175	128	29	205
2040	2 250	2 250	2 475	2 700	154	104	57	235
2044	2 250	2 250	2 475	2 700	137	87	79	258

WRZ CODE	1100SC0001_D	WRZ Name	Dunmore, Glenamaddy P.S.	Study Area	D	Study Group	Local Authority	Galway
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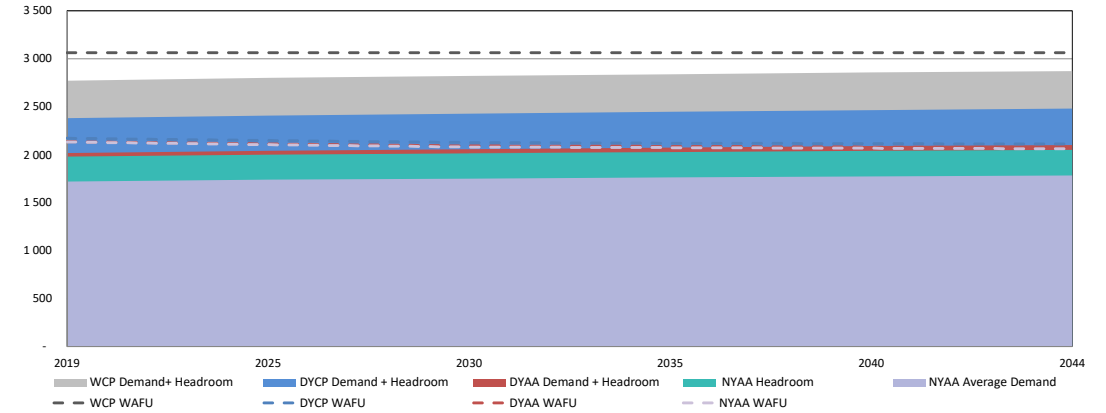
Base Demand in 2019	
Domestic Demand (m ³ /day)	380
Non-Domestic Demand (m ³ /day)	371
Operational Use (m ³ /day)	13
Apparent Losses (m ³ /day)	6
Leakage (m ³ /day)	951
Demand (m³/day)	1 722

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 722	258	1 980	2 017	2 380	2 772
2025	1 740	261	2 001	2 041	2 408	2 801
2030	1 752	263	2 014	2 057	2 427	2 820
2035	1 763	264	2 028	2 074	2 447	2 839
2040	1 775	266	2 041	2 090	2 466	2 858
2044	1 784	268	2 052	2 101	2 481	2 873

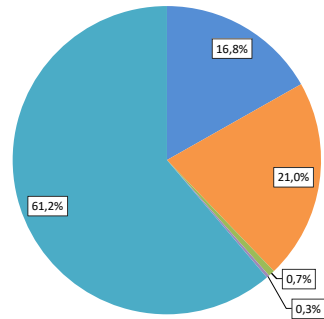
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000472	Glenamaddy WTP	420	350	385	No Licence	402	22Hr	385	-	385	Critical - Low Flow Intervention
WTP0000499	Dunmore/Glenamaddy WTW	2 646	2 205	2 426	No Licence	1 868	Yield	1 728	-	1 728	Significant Reduction
TOTAL		3 066	2 555	2 811	-	2 270		2 113	-	2 113	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	2 135	2 138	2 173	3 066	155	121	-	207	294
2025	2 106	2 114	2 149	3 066	105	73	-	260	265
2030	2 082	2 094	2 129	3 066	68	36	-	299	246
2035	2 075	2 088	2 123	3 066	47	14	-	324	227
2040	2 069	2 082	2 117	3 066	27	8	-	348	208
2044	2 063	2 078	2 113	3 066	11	23	-	368	193

WRZ CODE	1100SC0001_F	WRZ Name	Kilkerrin_Moylough	Study Area	F	Study Group		Local Authority	Galway
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Base Demand in 2019	
Domestic Demand (m ³ /day)	195
Non-Domestic Demand (m ³ /day)	243
Operational Use (m ³ /day)	8
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	710
Demand (m³/day)	1 160

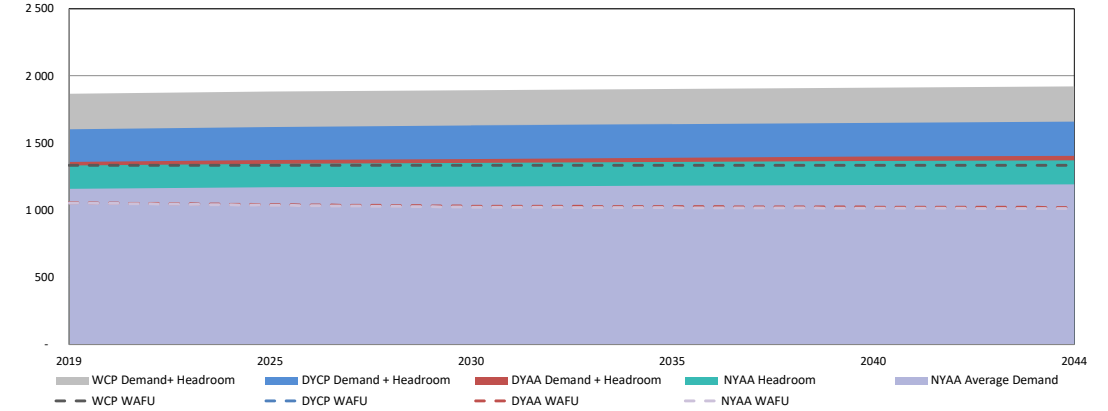
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 160	174	1 334	1 359	1 603	1 867
2025	1 171	176	1 346	1 373	1 620	1 885
2030	1 177	177	1 353	1 382	1 631	1 894
2035	1 183	177	1 360	1 391	1 641	1 904
2040	1 189	178	1 367	1 400	1 651	1 914
2044	1 194	179	1 373	1 405	1 659	1 922

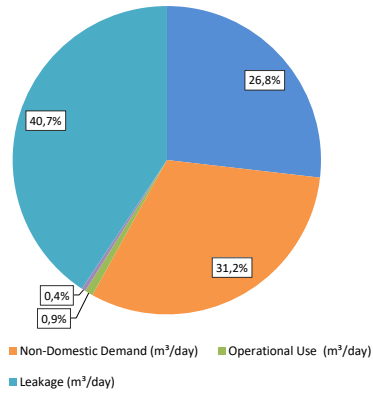
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001102	Kilkerrin Moylough WTP	1 335	1 113	1 224	No Licence	1 054	Yield	1 022	-	1 022	Critical - Low Flow Intervention
TOTAL		1 335	1 113	1 224	-	1 054		1 022	-	1 022	

Year	WAFU					Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	1 056	1 058	1 058	1 335	278	301	546	532		
2025	1 039	1 043	1 043	1 335	307	330	577	550		
2030	1 025	1 031	1 031	1 335	328	351	599	559		
2035	1 021	1 028	1 028	1 335	340	363	613	569		
2040	1 017	1 025	1 025	1 335	350	375	627	579		
2044	1 014	1 022	1 022	1 335	359	383	637	587		

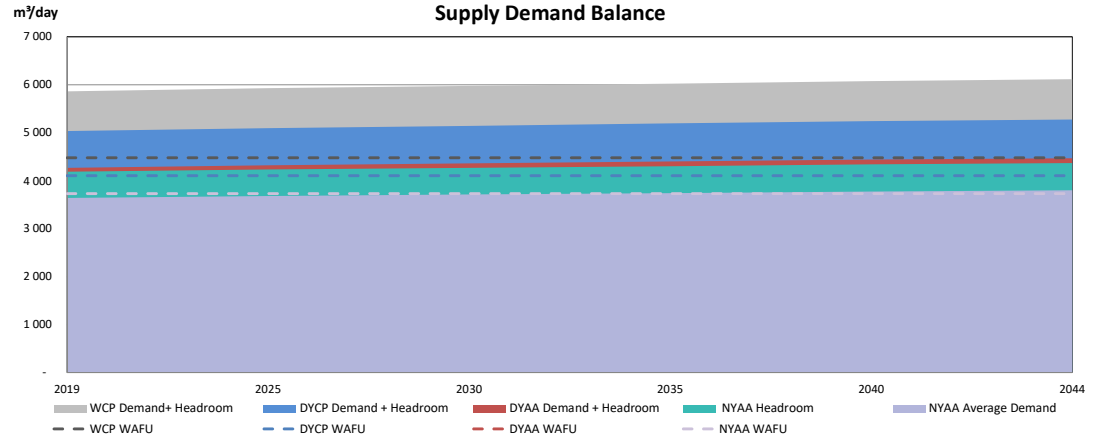
WRZ CODE	1100SC0001_H	WRZ Name	Mid-Galway	Study Area	D	Study Group	Local Authority	Galway
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Base Demand in 2019	
Domestic Demand (m ³ /day)	977
Non-Domestic Demand (m ³ /day)	1 136
Operational Use (m ³ /day)	31
Apparent Losses (m ³ /day)	16
Leakage (m ³ /day)	1 482
Demand (m³/day)	3 642

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 642	546	4 188	4 266	5 034	5 863
2025	3 683	552	4 235	4 320	5 098	5 929
2030	3 713	557	4 270	4 361	5 145	5 978
2035	3 743	561	4 304	4 402	5 194	6 026
2040	3 773	566	4 339	4 443	5 241	6 075
2044	3 798	570	4 367	4 471	5 279	6 114

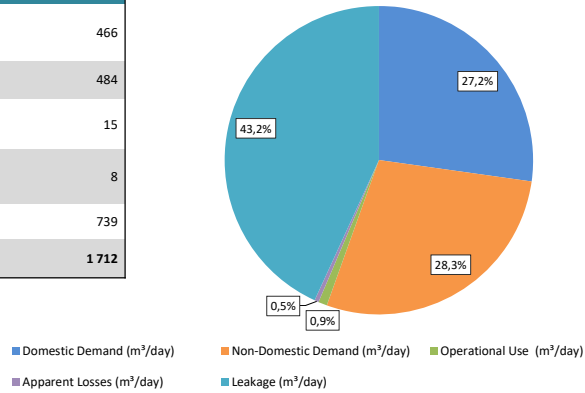
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000666	Danganbeg WTP	4 482	3 735	4 109	No Licence	4 674	22Hr	4 109	-	4 109	
TOTAL		4 482	3 735	4 109	-	4 674		4 109	-	4 109	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	3 735	3 735	4 109	4 482	453	531	926	1 381	453	531	926
2025	3 735	3 735	4 109	4 482	500	585	989	1 447	500	585	989
2030	3 735	3 735	4 109	4 482	535	626	1 037	1 496	535	626	1 037
2035	3 735	3 735	4 109	4 482	569	667	1 085	1 544	569	667	1 085
2040	3 735	3 735	4 109	4 482	604	708	1 132	1 593	604	708	1 132
2044	3 735	3 735	4 109	4 482	632	736	1 170	1 632	632	736	1 170

WRZ CODE	1100SC0001_I	WRZ Name	Mountbellew P.S.	Study Area	F	Study Group	Local Authority	Galway
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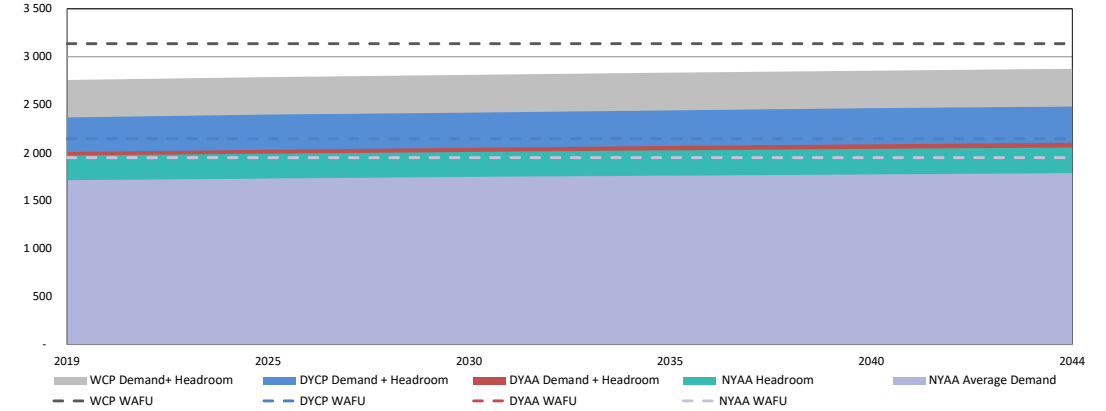
Base Demand in 2019	
Domestic Demand (m ³ /day)	466
Non-Domestic Demand (m ³ /day)	484
Operational Use (m ³ /day)	15
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	739
Demand (m³/day)	1 712

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 712	257	1 969	2 006	2 367	2 757
2025	1 731	260	1 991	2 031	2 396	2 787
2030	1 745	262	2 007	2 050	2 419	2 810
2035	1 760	264	2 024	2 069	2 442	2 833
2040	1 774	266	2 040	2 089	2 464	2 857
2044	1 786	268	2 054	2 103	2 482	2 875

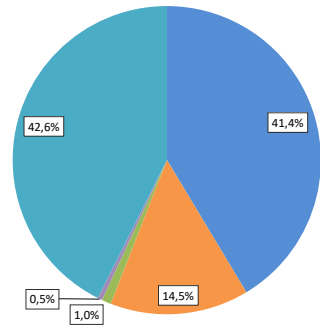
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000234	Ballygar WTP	800	667	733	No Licence	1	Yield	1	-	1	Significant Reduction
WTP0000194	Mountbellew WTP	2 340	1 950	2 145	No Licence	2 241	22Hr	2 145	-	2 146	
TOTAL		3 140	2 617	2 878	-	2 242		2 146	-	2 146	

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)			
2019	1 951	1 951	2 146	3 140	-	18	-	55	-	221	383
2025	1 951	1 951	2 146	3 140	-	40	-	80	-	250	353
2030	1 951	1 951	2 146	3 140	-	56	-	99	-	273	330
2035	1 951	1 951	2 146	3 140	-	73	-	118	-	296	307
2040	1 951	1 951	2 146	3 140	-	89	-	138	-	318	283
2044	1 951	1 951	2 146	3 140	-	103	-	152	-	336	265

WRZ CODE	1100SC0001_J	WRZ Name	Oughterard	Study Area	D	Study Group	Local Authority	Galway
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Base Demand in 2019	
Domestic Demand (m ³ /day)	916
Non-Domestic Demand (m ³ /day)	322
Operational Use (m ³ /day)	22
Apparent Losses (m ³ /day)	11
Leakage (m ³ /day)	943
Demand (m³/day)	2 213

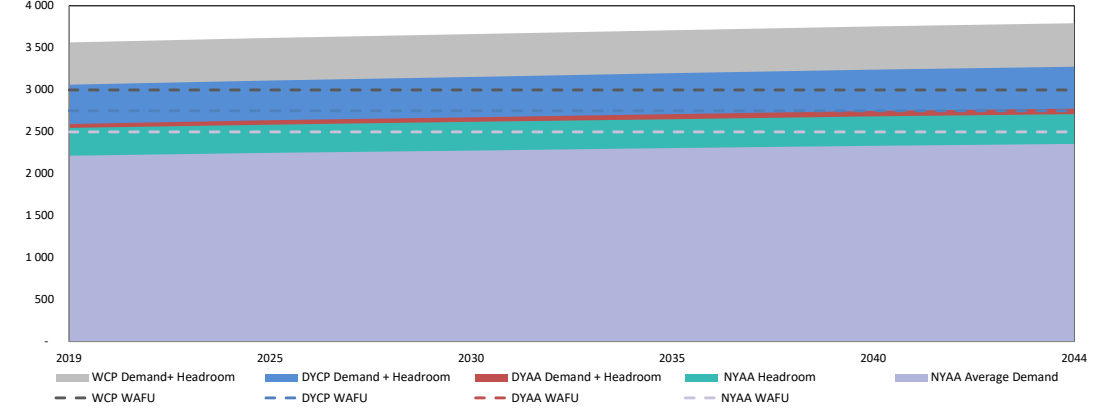
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 213	332	2 545	2 593	3 059	3 563
2025	2 247	337	2 584	2 636	3 111	3 618
2030	2 276	341	2 617	2 673	3 154	3 664
2035	2 304	346	2 649	2 709	3 197	3 709
2040	2 332	350	2 682	2 746	3 239	3 755
2044	2 355	353	2 708	2 773	3 274	3 791

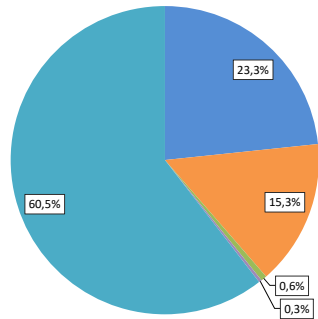
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000284	Oughterard WTP	3 000	2 500	2 750	No Licence	8 563	22Hr	2 750	-	2 750	
TOTAL		3 000	2 500	2 750	-	8 563		2 750	-	2 750	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	2 500	2 500	2 750	3 000	45	93	309	563	2 500	2 500	2 750
2025	2 500	2 500	2 750	3 000	84	136	361	618	2 500	2 500	2 750
2030	2 500	2 500	2 750	3 000	117	173	404	664	2 500	2 500	2 750
2035	2 500	2 500	2 750	3 000	149	209	447	709	2 500	2 500	2 750
2040	2 500	2 500	2 750	3 000	182	246	489	755	2 500	2 500	2 750
2044	2 500	2 500	2 750	3 000	208	273	524	791	2 500	2 500	2 750

WRZ CODE	1100SC0001_K	WRZ Name	Rosmuc P.S.	Study Area	D	Study Group	Local Authority	Galway
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Base Demand in 2019	
Domestic Demand (m ³ /day)	92
Non-Domestic Demand (m ³ /day)	60
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	239
Demand (m³/day)	395

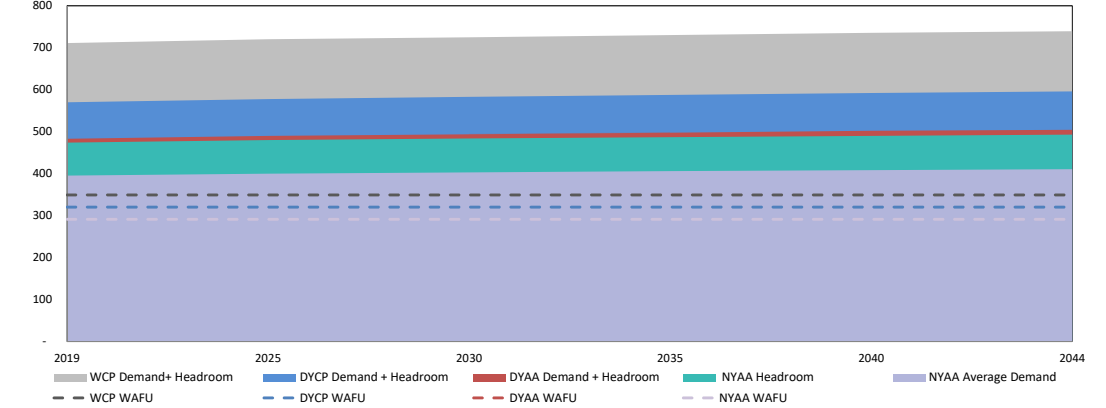
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	395	79	474	483	570	711
2025	400	80	480	490	578	720
2030	403	81	484	494	583	725
2035	406	81	487	498	588	731
2040	409	82	490	502	592	736
2044	411	82	493	505	596	740

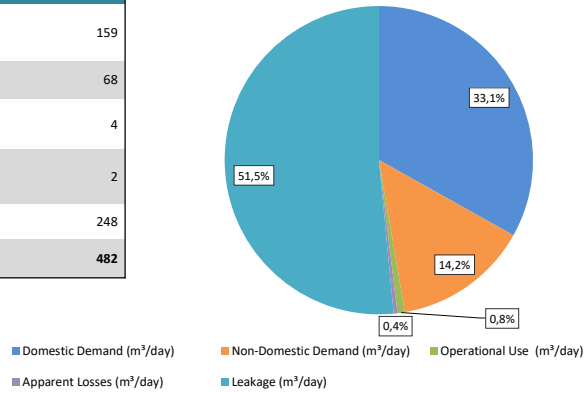
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000682	Rosmuc WTP	350	292	321	No Licence	11 121	22Hr	321	-	321	
TOTAL		350	292	321	-	11 121		321	-	321	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	292	292	321	350	183	192	249	361	183	192	249
2025	292	292	321	350	188	198	257	370	188	198	257
2030	292	292	321	350	192	202	262	375	192	202	262
2035	292	292	321	350	195	206	267	381	195	206	267
2040	292	292	321	350	199	210	272	386	199	210	272
2044	292	292	321	350	202	213	275	390	202	213	275

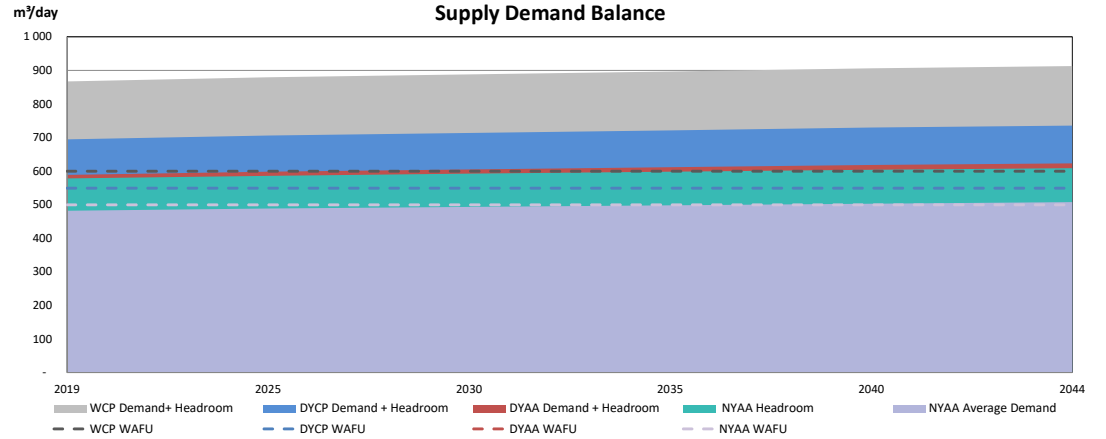
WRZ CODE	1100SC0001_M	WRZ Name	Teeranea Lettermore P.S.	Study Area	D	Study Group	Local Authority	Galway
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Base Demand in 2019	
Domestic Demand (m ³ /day)	159
Non-Domestic Demand (m ³ /day)	68
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	248
Demand (m³/day)	482

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	482	96	578	589	695	867
2025	489	98	586	598	706	879
2030	493	99	592	605	714	888
2035	498	100	598	612	722	897
2040	503	101	604	618	730	906
2044	507	101	609	623	736	913

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000759	Tiernee WTP	600	500	550	No Licence	682	22Hr	550	-	550	Demand > Safe Production Capacity
TOTAL		600	500	550	-	682		550	-	550	

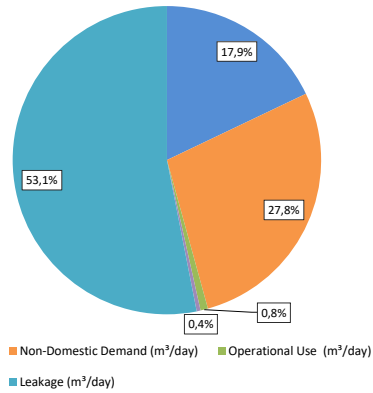
Supply Demand Balance

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU (m ³ /day)
2019	500	500	500	550	600	78	89	145	267	500
2025	500	500	500	550	600	86	98	156	279	500
2030	500	500	500	550	600	92	105	164	288	500
2035	500	500	500	550	600	98	112	172	297	500
2040	500	500	500	550	600	104	118	180	306	500
2044	500	500	500	550	600	109	123	186	313	500

WRZ CODE	1200SC0001	WRZ Name	Ballymoe P.S.	Study Area	F	Study Group	Local Authority	Galway
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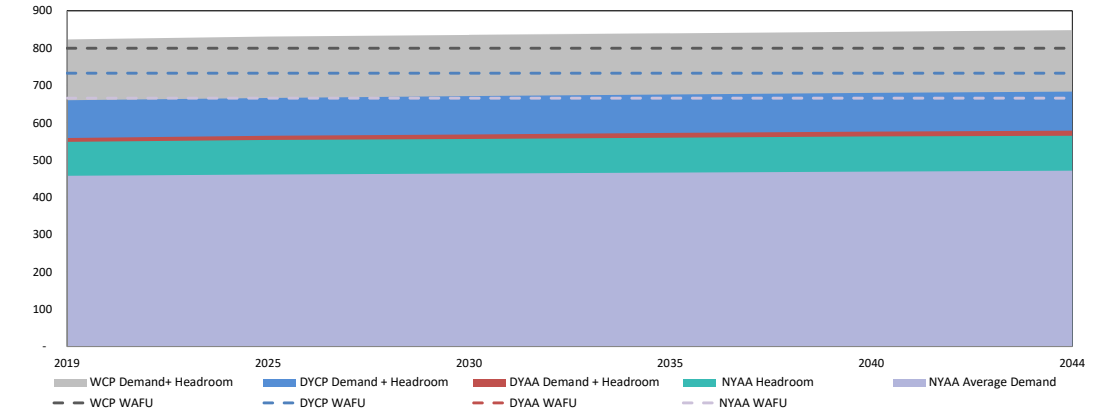
Base Demand in 2019	
Domestic Demand (m ³ /day)	82
Non-Domestic Demand (m ³ /day)	127
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	243
Demand (m³/day)	458

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	458	92	549	559	660	824
2025	461	92	554	565	667	831
2030	464	93	557	569	671	835
2035	467	93	560	573	676	840
2040	469	94	563	576	680	844
2044	471	94	565	579	683	848

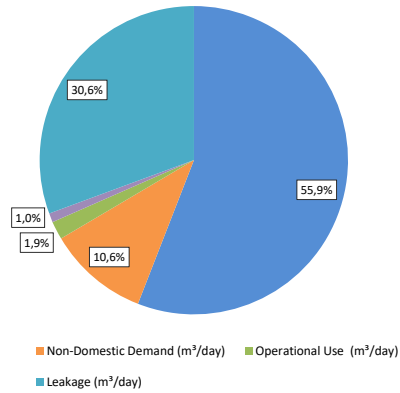
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000265	Ballymoe WTW	800	667	733	No Licence	766	22Hr	733	-	733	Significant Reduction
TOTAL		800	667	733	-	766		733	-	733	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	667	667	733	800	118	107	73	24
2025	667	667	733	800	113	102	67	31
2030	667	667	733	800	110	98	62	35
2035	667	667	733	800	107	94	58	40
2040	667	667	733	800	104	90	53	44
2044	667	667	733	800	101	88	50	48

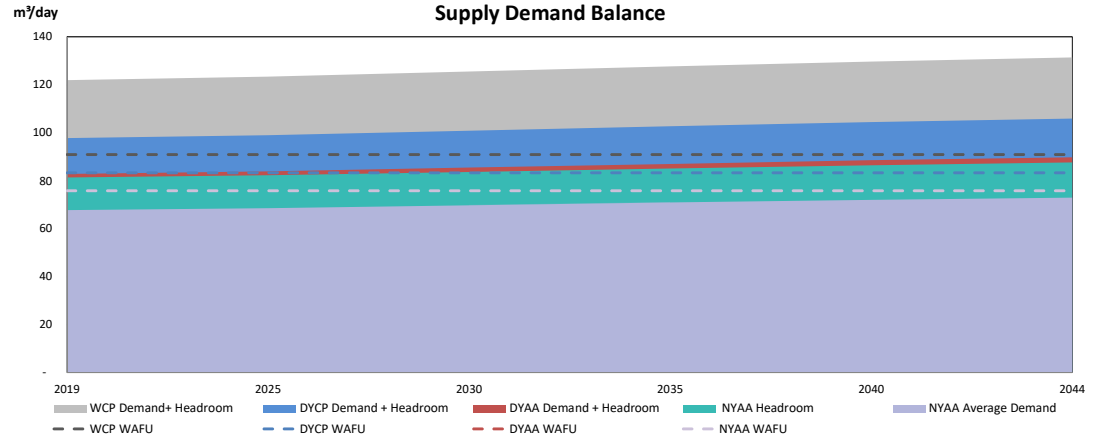
WRZ CODE	1200SC0004	WRZ Name	IN_Inishmean	Study Area	D	Study Group	Local Authority	Galway
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Base Demand in 2019	
Domestic Demand (m ³ /day)	38
Non-Domestic Demand (m ³ /day)	7
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	21
Demand (m³/day)	68

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	68	14	81	83	98	122
2025	69	14	82	84	99	123
2030	70	14	84	85	101	126
2035	71	14	85	87	103	128
2040	72	14	86	89	104	130
2044	73	15	88	90	106	131

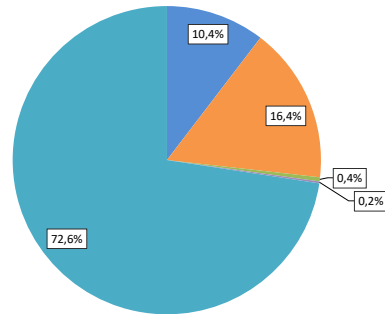
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000042	Inishmean	91	76	83	No Licence	87	22Hr	83	-	83	Significant Reduction
TOTAL		91	76	83	-	87		83	-	83	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	76	76	83	91	5	7	14	31	
2025	76	76	83	91	6	8	16	32	
2030	76	76	83	91	8	10	17	35	
2035	76	76	83	91	9	11	19	37	
2040	76	76	83	91	11	13	21	39	
2044	76	76	83	91	12	14	22	40	

WRZ CODE	1200SC0005	WRZ Name	Ahascragh P.S.	Study Area	5	Study Group		Local Authority	Galway
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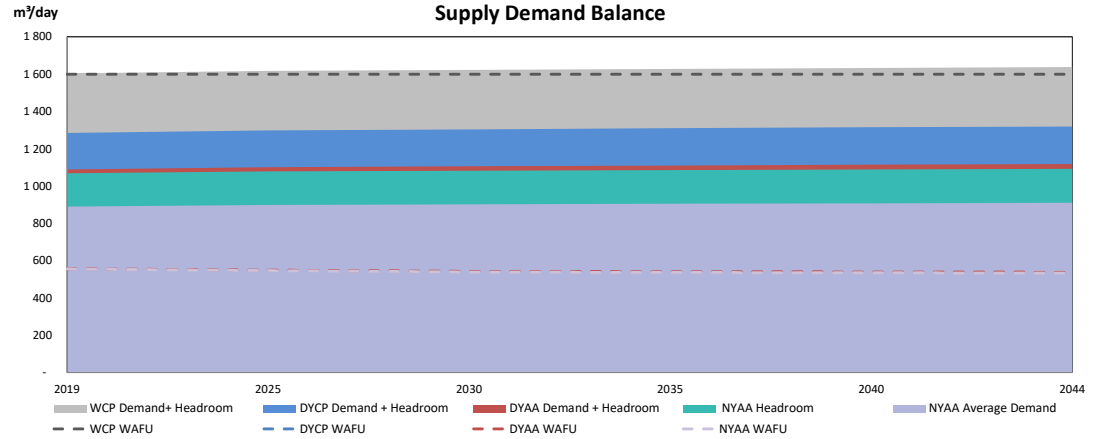
Base Demand in 2019	
Domestic Demand (m ³ /day)	93
Non-Domestic Demand (m ³ /day)	146
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	646
Demand (m³/day)	891

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	891	178	1 069	1 089	1 285	1 603
2025	899	180	1 079	1 100	1 298	1 618
2030	902	180	1 082	1 105	1 304	1 623
2035	905	181	1 086	1 110	1 310	1 628
2040	908	182	1 089	1 115	1 315	1 634
2044	910	182	1 092	1 118	1 320	1 638

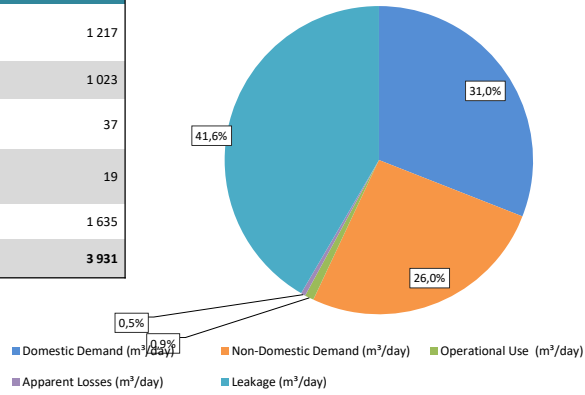
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000030	Ahascragh WTP	1 600	1 333	1 467	No Licence	555	Yield	538	-	538	Critical - Low Flow Intervention
TOTAL		1 600	1 333	1 467	-	555		538	-	538	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	556	557	557	1 600	513	532	728	3	
2025	547	550	550	1 600	531	551	749	18	
2030	540	543	543	1 600	542	562	761	23	
2035	538	541	541	1 600	548	569	768	28	
2040	536	540	540	1 600	553	575	776	34	
2044	534	538	538	1 600	558	579	781	38	

WRZ CODE	1200SC0006	WRZ Name	Ballinasloe Public Supply	Study Area	5	Study Group		Local Authority	Galway
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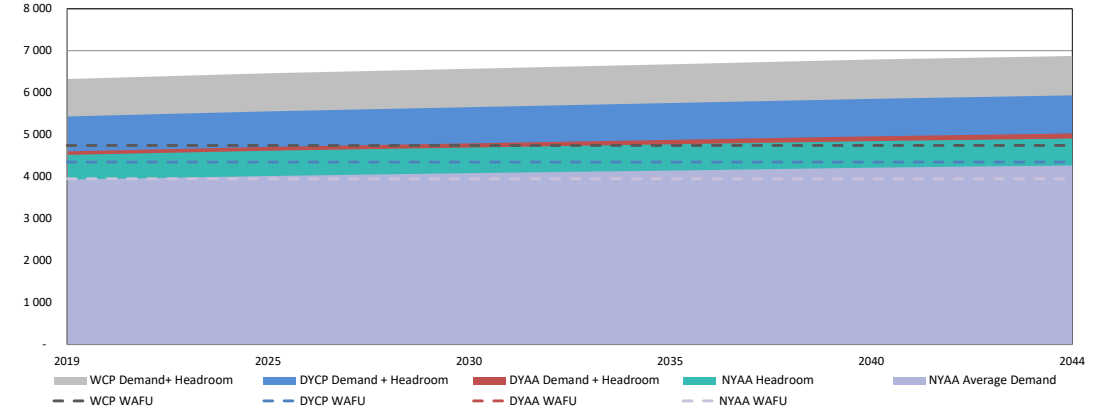
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 217
Non-Domestic Demand (m ³ /day)	1 023
Operational Use (m ³ /day)	37
Apparent Losses (m ³ /day)	19
Leakage (m ³ /day)	1 635
Demand (m³/day)	3 931

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 931	590	4 521	4 605	5 434	6 329
2025	4 014	602	4 616	4 709	5 556	6 462
2030	4 081	612	4 694	4 794	5 656	6 571
2035	4 149	622	4 771	4 879	5 757	6 680
2040	4 217	633	4 849	4 965	5 857	6 789
2044	4 271	641	4 911	5 028	5 937	6 876

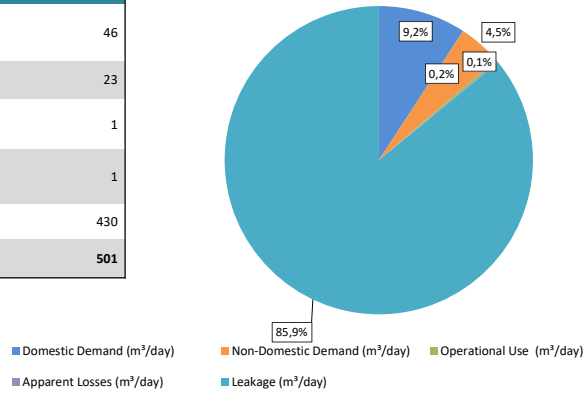
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000076	Ballinasloe Town WTP	4 750	3 958	4 354	No Licence	93 026	22Hr	4 354	-	4 354	Critical - Low Flow Intervention
TOTAL		4 750	3 958	4 354	-	93 026		4 354	-	4 354	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	3 958	3 958	4 354	4 750	562	647	1 080	1 579	
2025	3 958	3 958	4 354	4 750	657	750	1 202	1 712	
2030	3 958	3 958	4 354	4 750	735	835	1 302	1 821	
2035	3 958	3 958	4 354	4 750	813	921	1 403	1 930	
2040	3 958	3 958	4 354	4 750	891	1 006	1 503	2 039	
2044	3 958	3 958	4 354	4 750	953	1 070	1 583	2 126	

WRZ CODE	1200SC0007	WRZ Name	Ballyconneely P.S.	Study Area	D	Study Group	Local Authority	Galway
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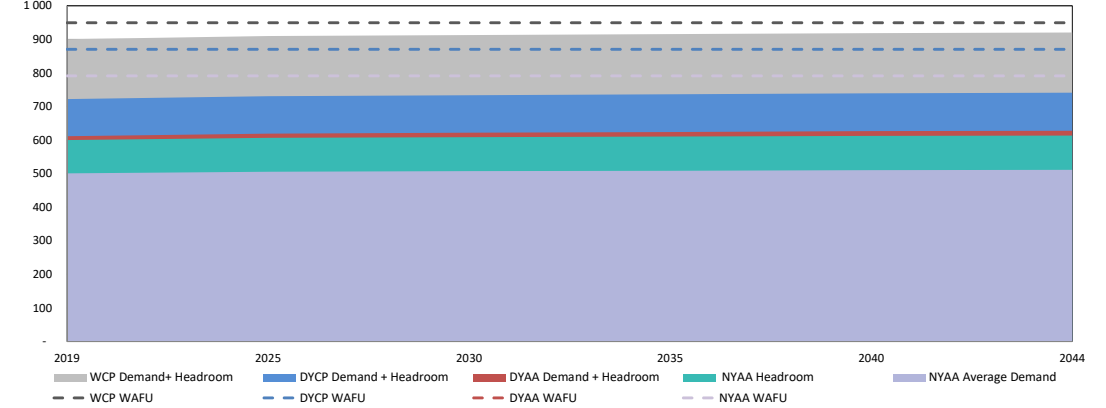
Base Demand in 2019	
Domestic Demand (m ³ /day)	46
Non-Domestic Demand (m ³ /day)	23
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	430
Demand (m³/day)	501

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	501	100	601	612	722	901
2025	506	101	607	619	731	910
2030	507	101	609	622	734	913
2035	509	102	610	624	736	916
2040	510	102	612	627	739	918
2044	511	102	614	628	742	920

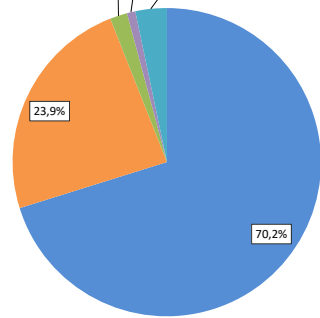
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000156	Ballyconneely WTP	950	792	871	No Licence	2 021	22Hr	871	-	871	Significant Reduction
TOTAL		950	792	871	-	2 021		871	-	871	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	792	792	871	950	191	180	149	49		
2025	792	792	871	950	185	172	140	40		
2030	792	792	871	950	183	170	137	37		
2035	792	792	871	950	181	167	134	34		
2040	792	792	871	950	180	165	131	32		
2044	792	792	871	950	178	164	129	30		

WRZ CODE	1200SC0010	WRZ Name	Cleggan Claddaghduff	Study Area	D	Study Group	Local Authority	Galway
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Base Demand in 2019	
Domestic Demand (m ³ /day)	147
Non-Domestic Demand (m ³ /day)	50
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	7
Demand (m³/day)	210

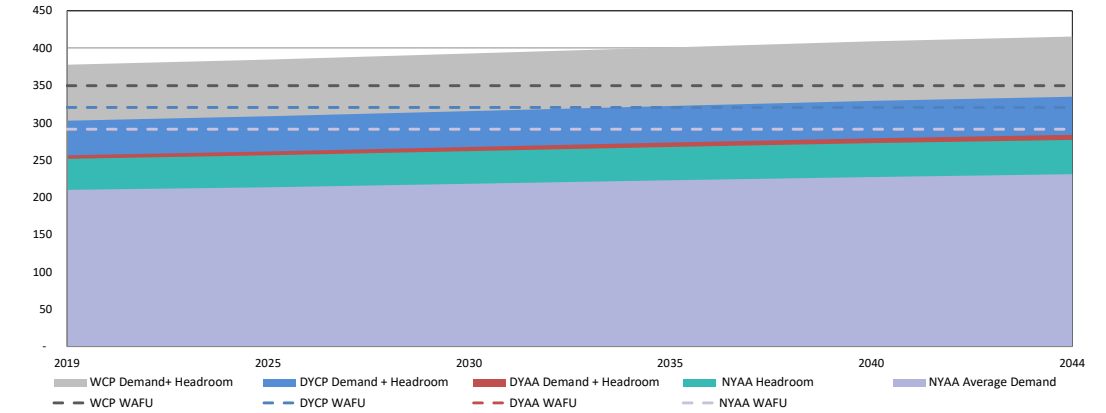
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	210	42	252	257	303	378
2025	214	43	256	262	309	385
2030	218	44	262	267	316	393
2035	223	45	267	273	323	401
2040	227	45	273	279	329	409
2044	231	46	277	284	335	416

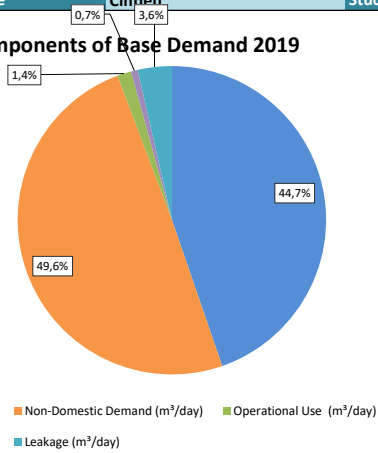
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000521	Cleggan WTP	350	292	321	No Licence	926	22Hr	321	-	321	
TOTAL		350	292	321	-	926		321	-	321	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	292	292	321	350	40	35	18	28
2025	292	292	321	350	35	30	12	35
2030	292	292	321	350	30	24	5	43
2035	292	292	321	350	24	18	2	51
2040	292	292	321	350	19	12	9	59
2044	292	292	321	350	15	8	14	66

WRZ CODE	1200SC0011	WRZ Name	Clifden	Study Area	D	Study Group	Local Authority	Galway
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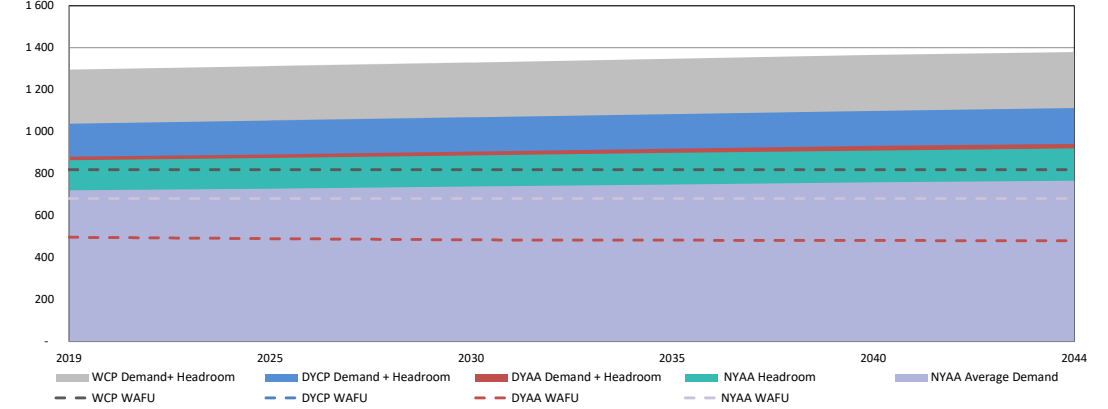
Base Demand in 2019	
Domestic Demand (m ³ /day)	322
Non-Domestic Demand (m ³ /day)	357
Operational Use (m ³ /day)	10
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	26
Demand (m³/day)	720

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	720	144	864	880	1 039	1 296
2025	729	146	875	892	1 053	1 312
2030	739	148	887	906	1 069	1 330
2035	749	150	899	919	1 084	1 348
2040	759	152	911	932	1 100	1 366
2044	767	153	920	942	1 112	1 380

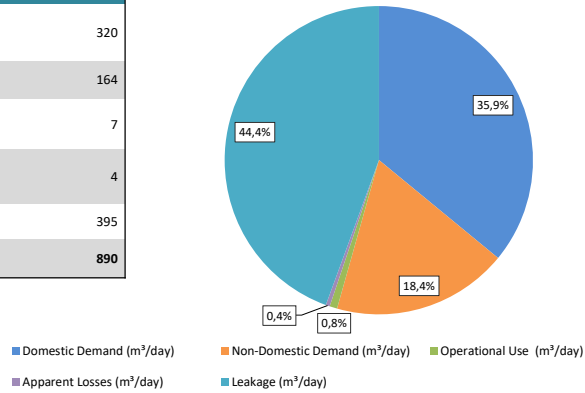
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000522	Clifden WTP	820	683	752	No Licence	520	Yield	481	-	481	Critical - Low Flow Intervention
TOTAL		820	683	752	-	520		481	-	481	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	683	498	498	820	-	181	-	383	-	541	-	476
2025	683	491	491	820	-	191	-	401	-	562	-	492
2030	683	485	485	820	-	203	-	420	-	583	-	510
2035	683	484	484	820	-	215	-	435	-	600	-	528
2040	683	482	482	820	-	227	-	450	-	618	-	546
2044	683	481	481	820	-	237	-	461	-	631	-	560

WRZ CODE	1200SC0012	WRZ Name	Clonbur PS	Study Area	D	Study Group	Local Authority	Galway
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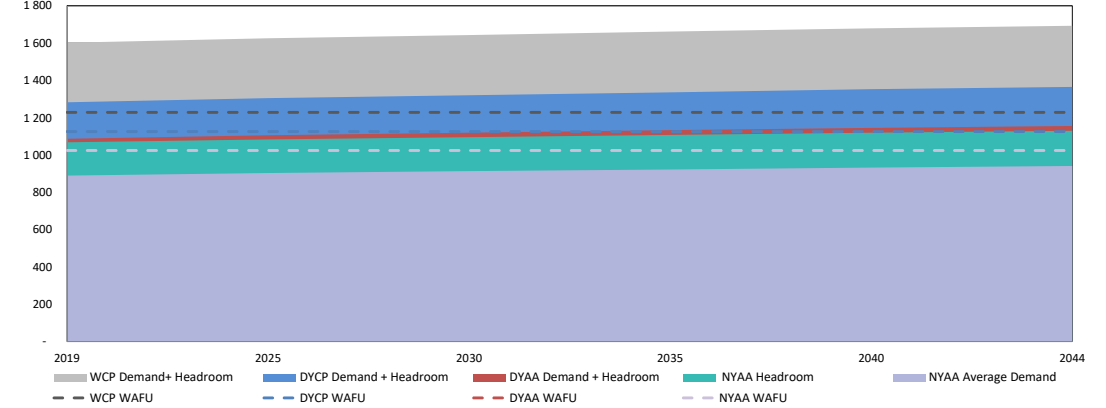
Base Demand in 2019	
Domestic Demand (m ³ /day)	320
Non-Domestic Demand (m ³ /day)	164
Operational Use (m ³ /day)	7
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	395
Demand (m³/day)	890

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	890	178	1 068	1 088	1 284	1 602
2025	903	181	1 084	1 106	1 305	1 626
2030	913	183	1 096	1 119	1 321	1 644
2035	923	185	1 108	1 133	1 337	1 662
2040	933	187	1 120	1 146	1 352	1 680
2044	941	188	1 129	1 156	1 365	1 694

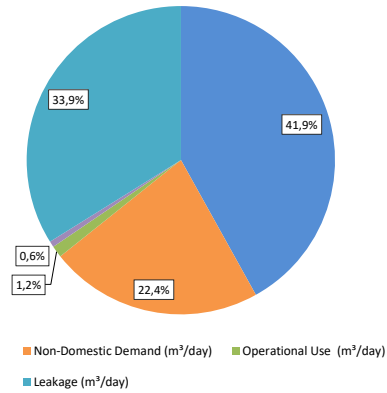
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000286	Clonbur WTP	1 230	1 025	1 128	No Licence	1 889	22Hr	1 128	-	1 128	
TOTAL		1 230	1 025	1 128	-	1 889		1 128	-	1 128	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 025	1 025	1 128	1 230	43	63	156	372	
2025	1 025	1 025	1 128	1 230	59	81	177	396	
2030	1 025	1 025	1 128	1 230	71	94	193	414	
2035	1 025	1 025	1 128	1 230	83	108	209	432	
2040	1 025	1 025	1 128	1 230	95	121	225	450	
2044	1 025	1 025	1 128	1 230	104	131	237	464	

WRZ CODE	1200SC0016	WRZ Name	Gort	Study Area	G	Study Group	Local Authority	Galway
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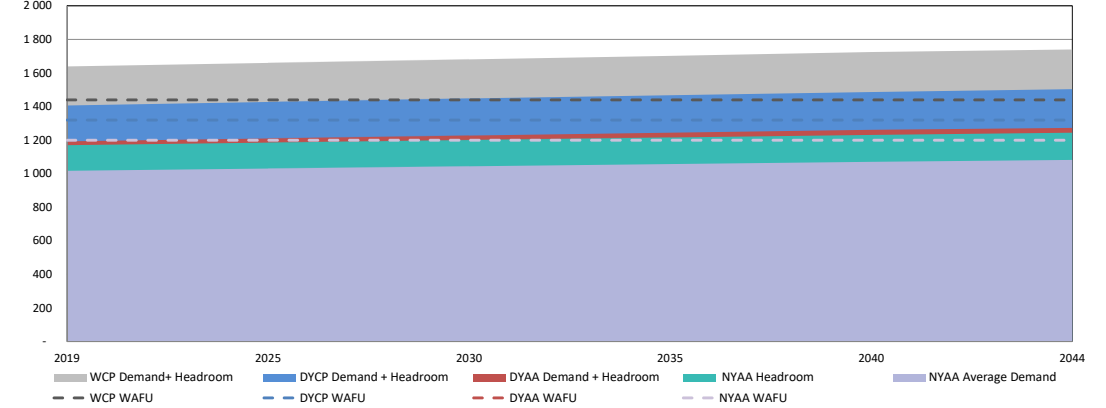
Base Demand in 2019	
Domestic Demand (m ³ /day)	427
Non-Domestic Demand (m ³ /day)	228
Operational Use (m ³ /day)	13
Apparent Losses (m ³ /day)	6
Leakage (m ³ /day)	345
Demand (m³/day)	1 018

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 018	153	1 170	1 192	1 407	1 639
2025	1 031	155	1 186	1 210	1 427	1 660
2030	1 044	157	1 201	1 227	1 447	1 681
2035	1 058	159	1 216	1 244	1 467	1 703
2040	1 071	161	1 231	1 261	1 487	1 724
2044	1 081	162	1 244	1 273	1 503	1 741

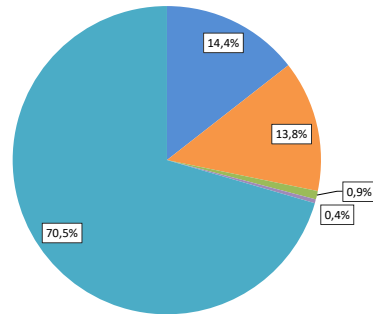
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000436	Gort WTP	1 440	1 200	1 320	No Licence	9 984	22Hr	1 320	-	1 320	Significant Reduction
TOTAL		1 440	1 200	1 320	-	9 984		1 320	-	1 320	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 200	1 200	1 320	1 440	30	8	87	199	
2025	1 200	1 200	1 320	1 440	14	10	107	220	
2030	1 200	1 200	1 320	1 440	1	27	127	241	
2035	1 200	1 200	1 320	1 440	16	44	147	263	
2040	1 200	1 200	1 320	1 440	31	61	167	284	
2044	1 200	1 200	1 320	1 440	44	73	183	301	

WRZ CODE	1200SC0017	WRZ Name	Inisboffin P.S.	Study Area	D	Study Group	Local Authority	Galway
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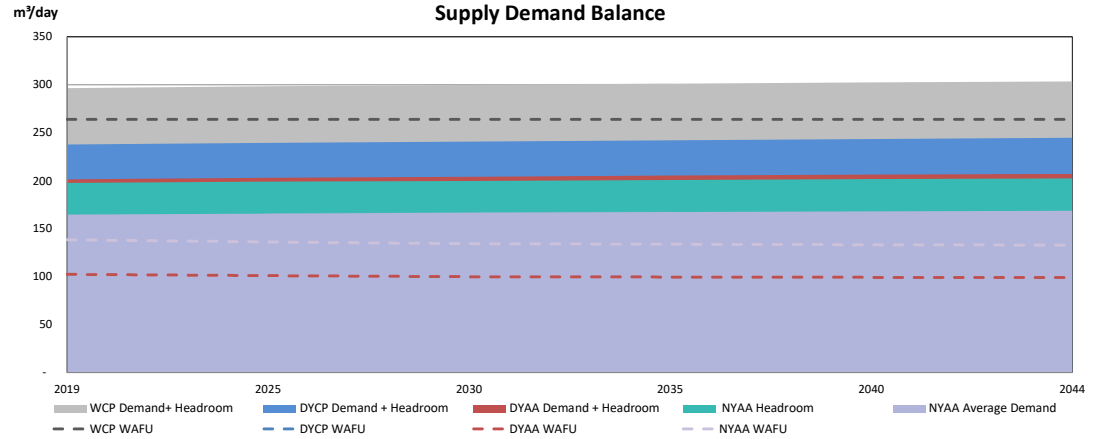
Base Demand in 2019	
Domestic Demand (m ³ /day)	24
Non-Domestic Demand (m ³ /day)	23
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	116
Demand (m³/day)	165

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	165	33	198	201	238	297
2025	166	33	199	203	240	298
2030	167	33	200	204	241	300
2035	167	33	201	205	242	301
2040	168	34	202	206	244	302
2044	169	34	202	207	245	304

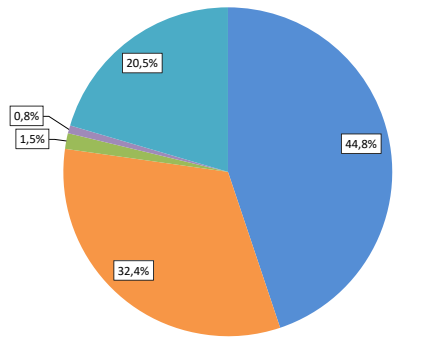
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000477	Inisboffin WTP	264	220	242	No Licence	107	Yield	99	-	99	
TOTAL		264	220	242	-	107		99	-	99	

Year	WAFU					Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	139	103	103	264	59	99	135	33		
2025	136	101	101	264	63	102	138	34		
2030	134	100	100	264	65	104	141	36		
2035	134	100	100	264	67	106	143	37		
2040	133	99	99	264	68	107	144	38		
2044	133	99	99	264	69	108	146	40		

WRZ CODE	1200SC0018	WRZ Name	Inishere	Study Area	D	Study Group		Local Authority	Galway
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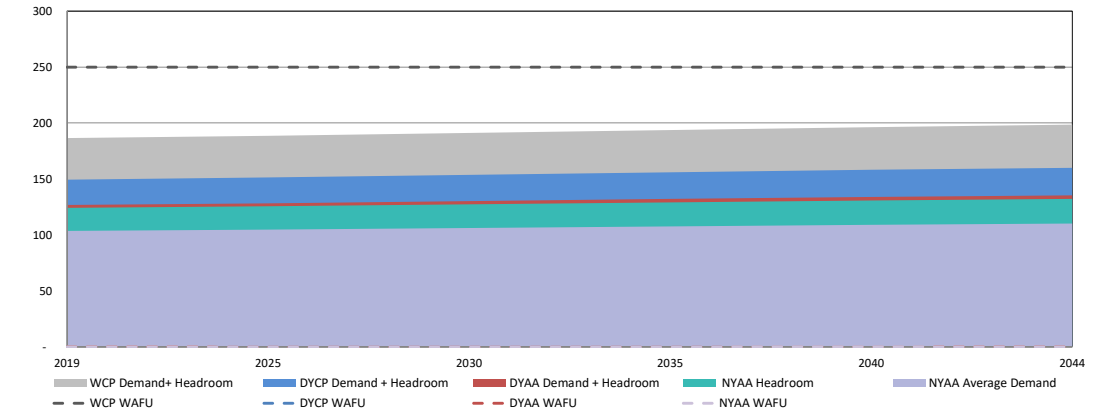
Base Demand in 2019	
Domestic Demand (m ³ /day)	46
Non-Domestic Demand (m ³ /day)	34
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	21
Demand (m³/day)	104

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	104	21	124	127	150	187
2025	105	21	126	128	151	189
2030	106	21	128	130	154	191
2035	108	22	129	132	156	194
2040	109	22	131	134	158	196
2044	110	22	132	136	160	199

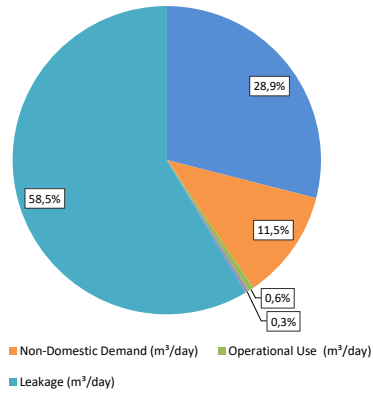
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000533	Inis Orr WTP	250	208	229	No Licence	0	Yield	0	-	0	Critical - Low Flow Intervention
TOTAL		250	208	229	-	0		0	-	0	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	0	0	0	0	250	124	127	150	124	127	150	63
2025	0	0	0	0	250	126	128	151	126	128	151	61
2030	0	0	0	0	250	127	130	154	127	130	154	59
2035	0	0	0	0	250	129	132	156	129	132	156	56
2040	0	0	0	0	250	131	134	158	131	134	158	54
2044	0	0	0	0	250	132	135	160	132	135	160	51

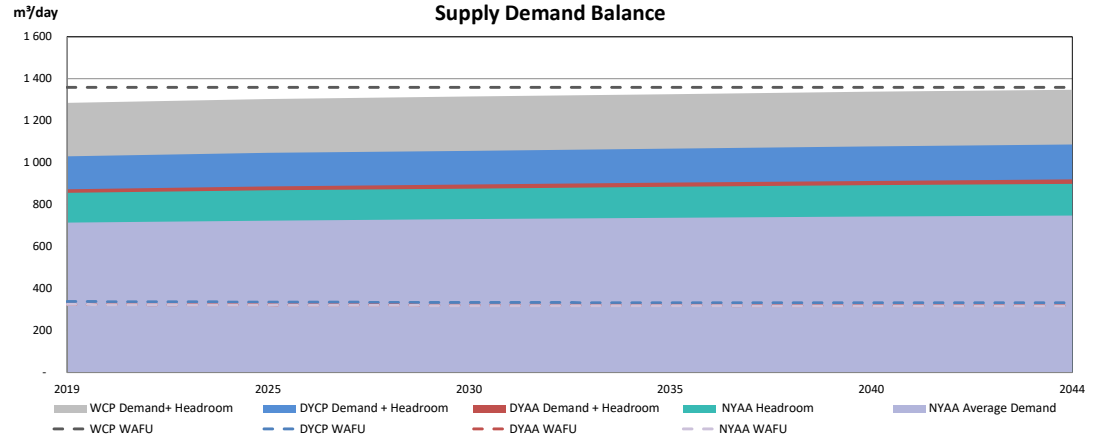
WRZ CODE	1200SC0019	WRZ Name	Inishmore	Study Area	D	Study Group	Local Authority	Galway
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Base Demand in 2019	
Domestic Demand (m ³ /day)	207
Non-Domestic Demand (m ³ /day)	82
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	418
Demand (m³/day)	714

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	714	143	857	873	1 030	1 286
2025	725	145	869	887	1 047	1 304
2030	731	146	877	896	1 057	1 316
2035	737	147	885	905	1 068	1 327
2040	744	149	892	914	1 078	1 339
2044	749	150	899	920	1 086	1 348

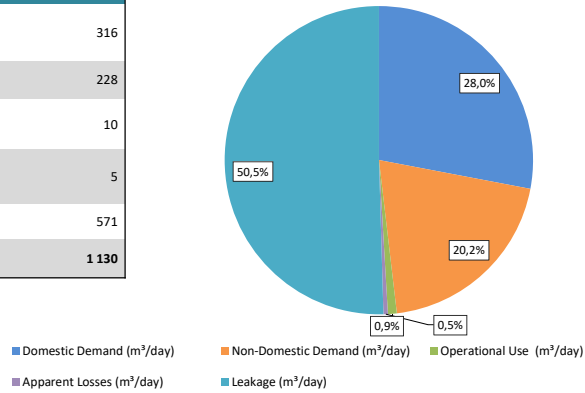
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000643	Creggacareen WTP	160	133	147	No Licence	527	22Hr	147	-	147	Significant Reduction
WTP0000481	Oghill WTP	550	458	504	No Licence	96	Yield	93	-	93	
WTP1000041	Kilcarna WTP	650	542	596	No Licence	96	Yield	93	-	93	Significant Reduction
TOTAL		1 360	1 133	1 247	-	718		332	-	332	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	325	326	339	1 360	532	548	691	74	325	326	339
2025	322	323	336	1 360	547	564	710	56	322	323	336
2030	320	321	334	1 360	557	575	723	44	320	321	334
2035	319	320	334	1 360	566	585	734	33	319	320	334
2040	318	320	333	1 360	574	594	745	21	318	320	333
2044	318	319	332	1 360	581	601	754	12	318	319	332

WRZ CODE	1200SC0023	WRZ Name	Kinvara P.S.	Study Area	G	Study Group	Local Authority	Galway
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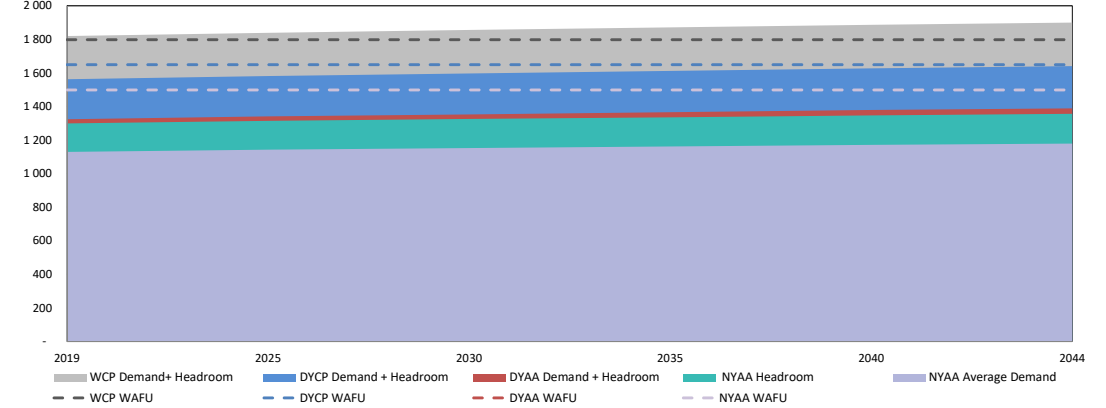
Base Demand in 2019	
Domestic Demand (m ³ /day)	316
Non-Domestic Demand (m ³ /day)	228
Operational Use (m ³ /day)	10
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	571
Demand (m³/day)	1 130

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 130	170	1 300	1 324	1 562	1 820
2025	1 143	171	1 314	1 341	1 582	1 840
2030	1 153	173	1 325	1 354	1 597	1 856
2035	1 162	174	1 337	1 367	1 613	1 871
2040	1 172	176	1 348	1 380	1 628	1 887
2044	1 180	177	1 357	1 389	1 640	1 900

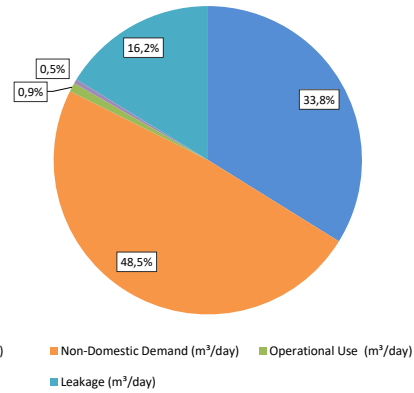
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001142	Kinvara WTP	1 800	1 500	1 650	No Licence	1 724	22Hr	1 650	-	1 650	Significant Reduction
TOTAL		1 800	1 500	1 650	-	1 724		1 650	-	1 650	

Year	WAFU					Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	1 500	1 500	1 650	1 800	200	176	88	20		
2025	1 500	1 500	1 650	1 800	186	159	68	40		
2030	1 500	1 500	1 650	1 800	175	146	53	56		
2035	1 500	1 500	1 650	1 800	163	133	37	71		
2040	1 500	1 500	1 650	1 800	152	120	22	87		
2044	1 500	1 500	1 650	1 800	143	111	10	100		

WRZ CODE	1200SC0024	WRZ Name	Leenane P.S.	Study Area	D	Study Group	Local Authority	Galway
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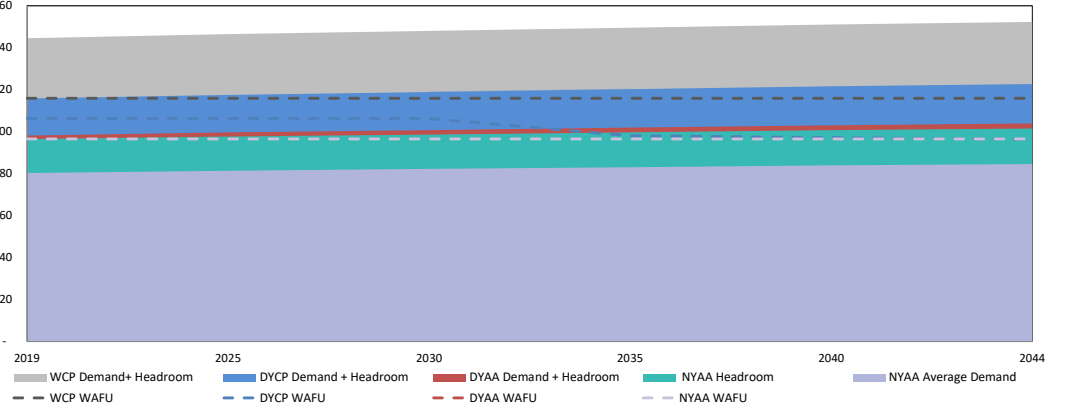
Base Demand in 2019	
Domestic Demand (m ³ /day)	27
Non-Domestic Demand (m ³ /day)	39
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	13
Demand (m³/day)	80

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	80	16	96	98	116	145
2025	81	16	98	100	118	147
2030	82	16	99	101	119	148
2035	83	17	100	102	120	150
2040	84	17	101	103	122	151
2044	85	17	102	104	123	152

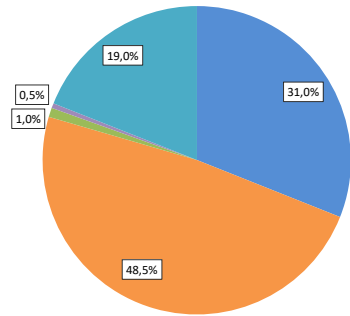
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000079	Leenane WTW	116	97	106	No Licence	104	Yield	96	-	96	
TOTAL		116	97	106	-	104		96	-	96	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	97	97	106	116	0	-	2	-	29
2025	97	97	106	116	1	-	3	-	31
2030	97	97	106	116	2	-	4	-	32
2035	97	97	98	116	3	-	5	-	34
2040	97	97	97	116	4	-	6	-	35
2044	97	97	96	116	5	-	7	-	36

WRZ CODE	1200SC0030	WRZ Name	Portumna PS	Study Area	7	Study Group		Local Authority	Galway
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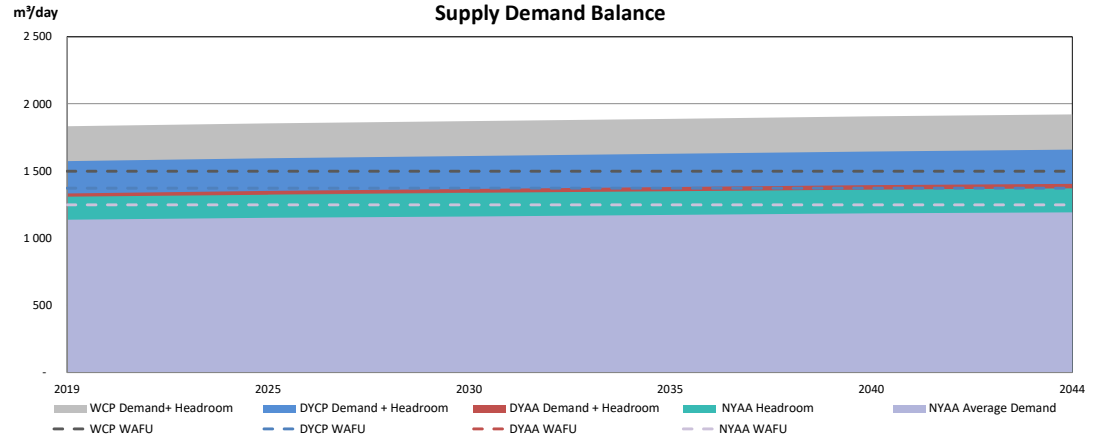
Base Demand in 2019	
Domestic Demand (m ³ /day)	353
Non-Domestic Demand (m ³ /day)	553
Operational Use (m ³ /day)	11
Apparent Losses (m ³ /day)	6
Leakage (m ³ /day)	216
Demand (m³/day)	1 139

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 139	171	1 310	1 334	1 574	1 833
2025	1 152	173	1 325	1 352	1 595	1 855
2030	1 163	174	1 337	1 366	1 612	1 872
2035	1 174	176	1 350	1 380	1 629	1 890
2040	1 185	178	1 363	1 395	1 646	1 908
2044	1 194	179	1 373	1 405	1 659	1 922

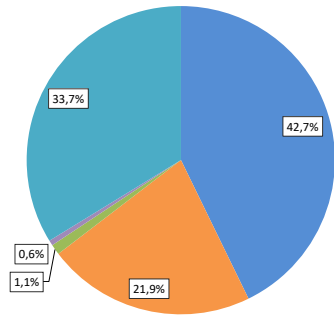
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000693	Portumna WTP	1 500	1 250	1 375	No Licence	2 600 752	22Hr	1 375	-	1 375	Demand > Safe Production Capacity
TOTAL		1 500	1 250	1 375	-	2 600 752		1 375	-	1 375	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	1 250	1 250	1 375	1 500	60	84	199	333	-	-
2025	1 250	1 250	1 375	1 500	75	102	220	355	-	-
2030	1 250	1 250	1 375	1 500	87	116	237	372	-	-
2035	1 250	1 250	1 375	1 500	100	130	254	390	-	-
2040	1 250	1 250	1 375	1 500	113	145	271	408	-	-
2044	1 250	1 250	1 375	1 500	123	155	284	422	-	-

WRZ CODE	1200SC0035	WRZ Name	Tully-Tullycross	Study Area	D	Study Group	Local Authority	Galway
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Base Demand in	2019
Domestic Demand (m ³ /day)	118
Non-Domestic Demand (m ³ /day)	60
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	93
Demand (m³/day)	276

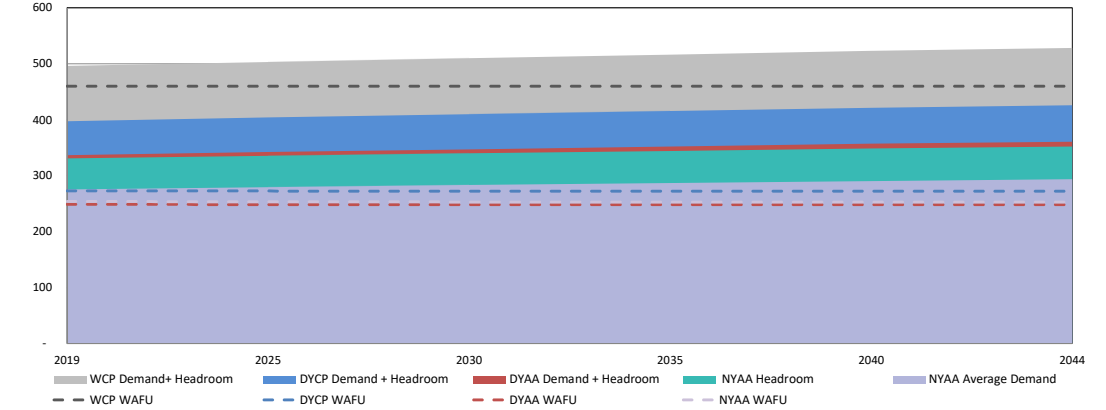
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	276	55	331	337	397	496
2025	280	56	336	342	404	503
2030	283	57	340	347	410	510
2035	287	57	344	352	415	516
2040	291	58	349	357	421	523
2044	294	59	352	361	426	528

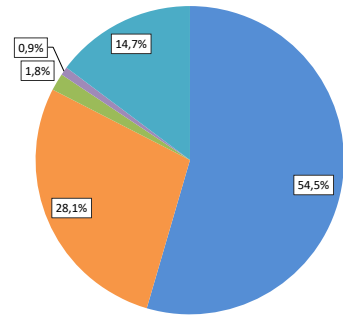
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000111	Letterfrack WTP	170	142	156	No Licence	7	Yield	7	-	7	Significant Reduction
WTP0001195	Tullycross WTP	290	242	266	No Licence	12 783	22Hr	266	-	266	Significant Reduction
TOTAL		460	383	422	-	12 790		272	-	272	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	254	249	273	460	76	88	124	36	-	-	-
2025	254	249	273	460	82	94	131	43	-	-	-
2030	253	249	273	460	87	99	137	50	-	-	-
2035	253	248	273	460	91	104	143	56	-	-	-
2040	253	248	273	460	96	109	149	63	-	-	-
2044	253	248	272	460	99	112	153	68	-	-	-

WRZ CODE	1200SC0036	WRZ Name	Woodford PS	Study Area	8	Study Group		Local Authority	Galway
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Base Demand in 2019	
Domestic Demand (m ³ /day)	53
Non-Domestic Demand (m ³ /day)	27
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	14
Demand (m³/day)	97

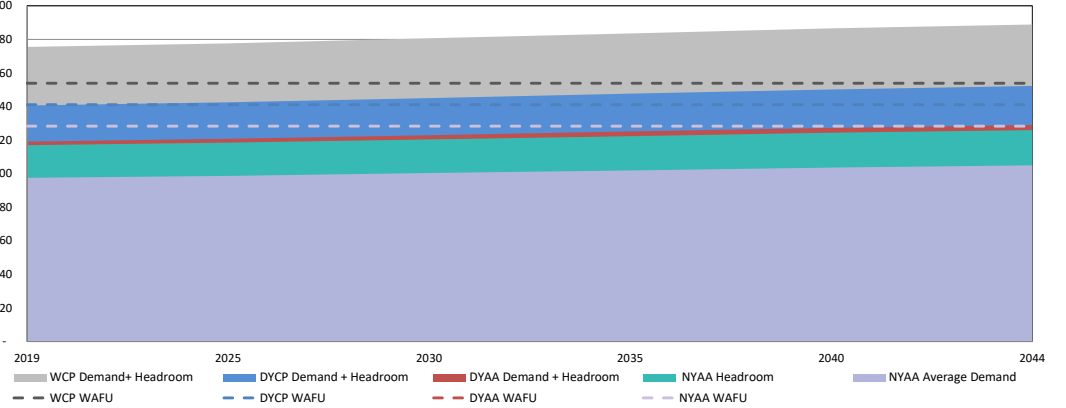
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	97	19	117	119	141	175
2025	99	20	118	121	143	178
2030	100	20	120	123	145	181
2035	102	20	122	125	148	184
2040	104	21	124	127	150	187
2044	105	21	126	129	152	189

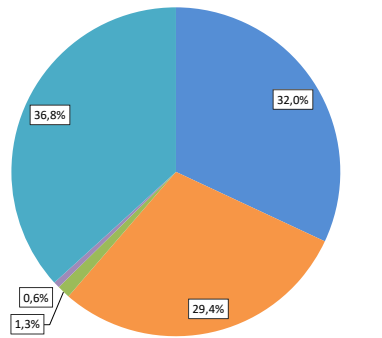
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000068	Woodford WTW	154	128	141	No Licence	239	22Hr	141	-	141	
TOTAL		154	128	141	-	239		141	-	141	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	128	128	141	154	11	9	1	21
2025	128	128	141	154	10	8	1	24
2030	128	128	141	154	8	5	4	27
2035	128	128	141	154	6	3	6	30
2040	128	128	141	154	4	1	9	33
2044	128	128	141	154	2	1	11	35

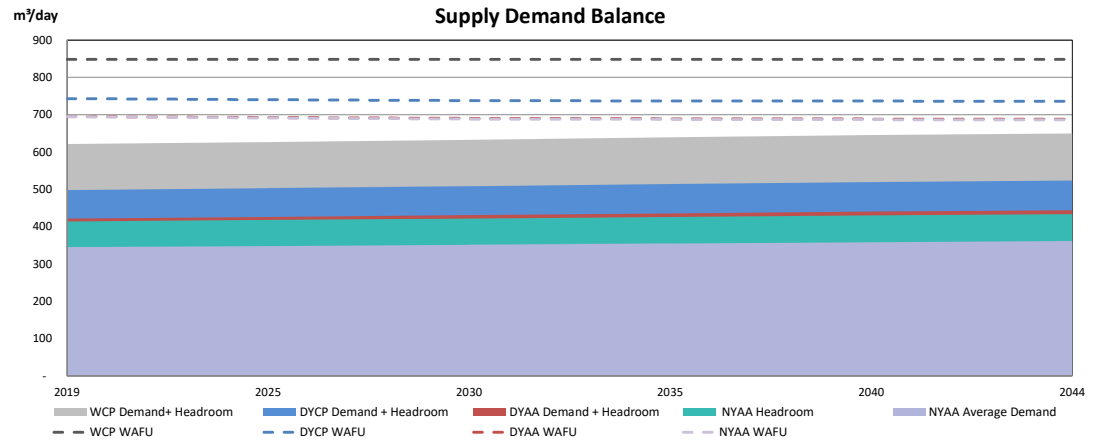
WRZ CODE	1300SC0002	WRZ Name	Annascaul / Ballintermon	Study Area	H	Study Group		Local Authority	Kerry
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Base Demand in	2019
Domestic Demand (m ³ /day)	110
Non-Domestic Demand (m ³ /day)	101
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	127
Demand (m³/day)	345

Components of Base Demand 2019



- Domestic Demand (m³/day)
- Non-Domestic Demand (m³/day)
- Operational Use (m³/day)
- Apparent Losses (m³/day)
- Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	345	69	414	422	498	622
2025	348	70	418	426	503	627
2030	352	70	422	431	509	633
2035	355	71	426	436	514	639
2040	359	72	430	441	520	645
2044	361	72	434	444	524	650

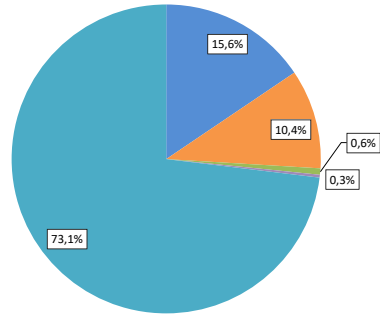
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001024	Ballintermon WTP	273	228	250	No Licence	211	Yield	209	-	209	
WTP0000092	Annascaul WTP	576	480	528	No Licence	552	22Hr	528	-	528	Significant Reduction
TOTAL		849	708	778	-	762		737	-	737	

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	696	696	744	849	281	274	246	227	281	274	246
2025	692	693	741	849	274	267	238	222	274	267	238
2030	689	691	739	849	267	259	230	216	267	259	230
2035	688	690	738	849	262	254	224	210	262	254	224
2040	688	689	737	849	257	249	217	204	257	249	217
2044	687	689	737	849	253	245	213	199	253	245	213

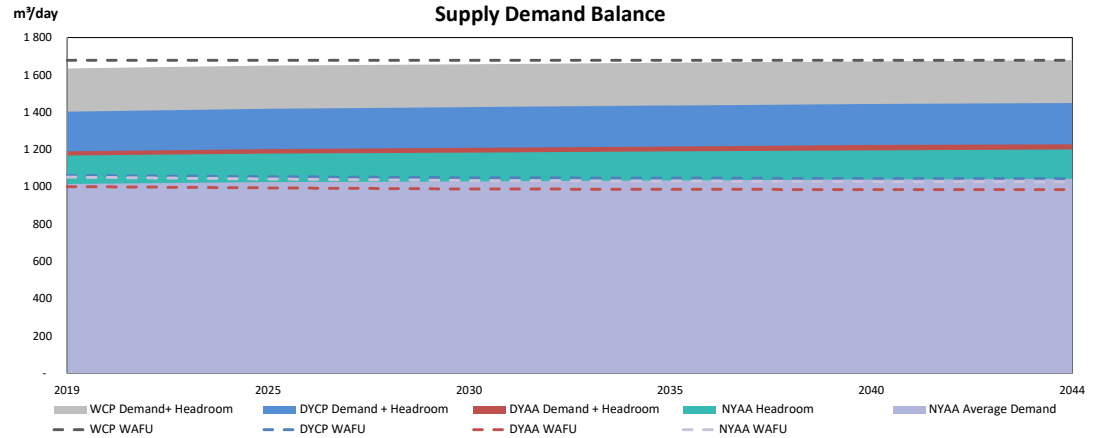
WRZ CODE	1300SC0003	WRZ Name	An Mhin Aird	Study Area	H	Study Group		Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	158
Non-Domestic Demand (m ³ /day)	106
Operational Use (m ³ /day)	7
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	742
Demand (m³/day)	1 015

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 015	152	1 168	1 190	1 404	1 635
2025	1 025	154	1 178	1 202	1 418	1 650
2030	1 029	154	1 184	1 209	1 427	1 657
2035	1 034	155	1 190	1 216	1 435	1 665
2040	1 039	156	1 195	1 224	1 444	1 673
2044	1 043	156	1 200	1 228	1 450	1 680

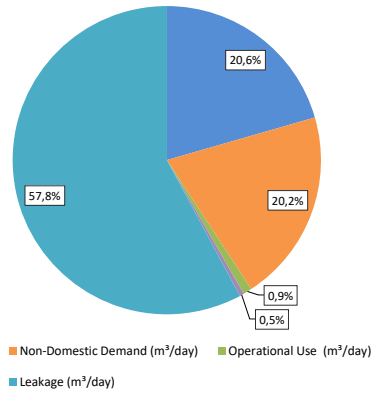
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000342	An Mhin Aird Puc WTP	720	600	660	No Licence	748	22Hr	660	-	660	
WTP0000458	An Mhin Aird Gualainn WTP	960	800	880	No Licence	397	Yield	385	-	385	Demand > Safe Production Capacity
TOTAL		1 680	1 400	1 540	-	1 145		1 045	-	1 045	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	1 053	1 002	1 062	1 680	-	115	-	188	-	342	45
2025	1 043	995	1 055	1 680	-	136	-	207	-	363	30
2030	1 034	990	1 050	1 680	-	150	-	220	-	377	23
2035	1 032	988	1 048	1 680	-	158	-	229	-	387	15
2040	1 029	986	1 046	1 680	-	166	-	237	-	397	7
2044	1 028	985	1 045	1 680	-	172	-	243	-	405	0

WRZ CODE	1300SC0004	WRZ Name	An Baile Mor / An Daingean	Study Area	H	Study Group	Local Authority	Kerry
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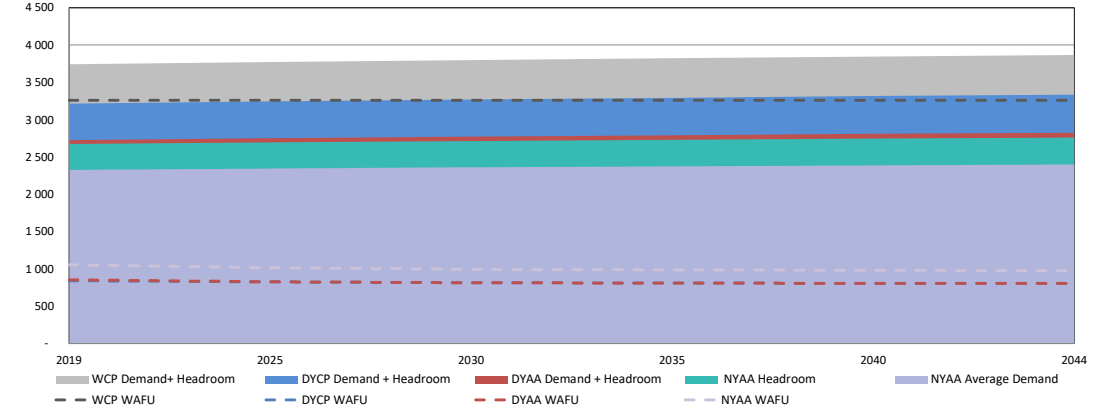
Base Demand in 2019	
Domestic Demand (m ³ /day)	478
Non-Domestic Demand (m ³ /day)	470
Operational Use (m ³ /day)	22
Apparent Losses (m ³ /day)	11
Leakage (m ³ /day)	1 346
Demand (m³/day)	2 326

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 326	349	2 675	2 725	3 215	3 745
2025	2 345	352	2 697	2 751	3 246	3 775
2030	2 360	354	2 714	2 772	3 270	3 799
2035	2 375	356	2 731	2 792	3 295	3 823
2040	2 389	358	2 748	2 813	3 319	3 847
2044	2 401	360	2 762	2 827	3 338	3 866

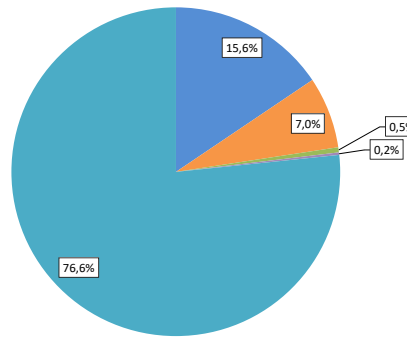
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000060	Baile Mor WTP	864	720	792	No Licence	703	Yield	682	-	682	
WTP0000617	An Daingean WTP	2 400	2 000	2 200	No Licence	134	Yield	124	-	124	
TOTAL		3 264	2 720	2 992	-	838		807	-	807	

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 058	857	843	3 264	1 616	1 868	2 372	481
2025	1 018	829	829	3 264	1 679	1 922	2 417	511
2030	996	816	816	3 264	1 717	1 955	2 454	535
2035	990	813	813	3 264	1 741	1 980	2 482	559
2040	984	809	809	3 264	1 764	2 004	2 510	583
2044	979	807	807	3 264	1 782	2 021	2 531	602

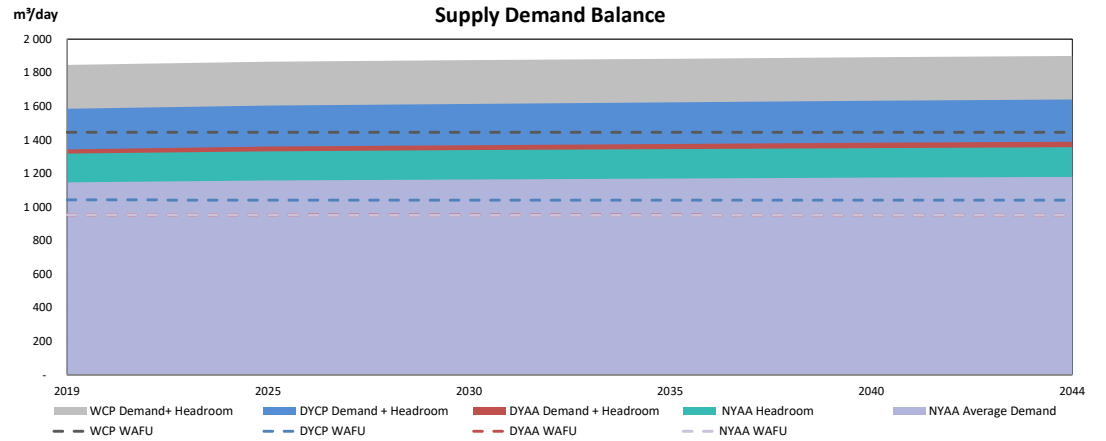
WRZ CODE	1300SC0005	WRZ Name	Baile Uí Bhaoithín / Tír Abháin Thoir / Cill Maelchóid / An Riasc	Study Area	H	Study Group		Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m³/day)	179
Non-Domestic Demand (m³/day)	81
Operational Use (m³/day)	6
Apparent Losses (m³/day)	3
Leakage (m³/day)	879
Demand (m³/day)	1 147

Components of Base Demand 2019



- Domestic Demand (m³/day)
- Non-Domestic Demand (m³/day)
- Operational Use (m³/day)
- Apparent Losses (m³/day)
- Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	1 147	172	1 319	1 344	1 586	1 847
2025	1 159	174	1 333	1 360	1 604	1 866
2030	1 164	175	1 339	1 368	1 614	1 875
2035	1 170	176	1 346	1 376	1 623	1 884
2040	1 176	176	1 352	1 384	1 633	1 893
2044	1 180	177	1 357	1 389	1 640	1 900

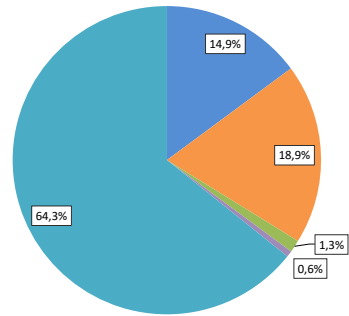
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000865	Baile Uí Bhaoithín WTP	12	10	11	No Licence	115	22Hr	11	-	11	
WTP0000734	Tír Abháin Thoir WTP	91	76	83	No Licence	86	22Hr	83	-	83	
WTP0000093	An Gráig Cloichear WTP	144	120	132	No Licence	-	Yield	-	-	-	
WTP0000389	Cill Maelchóid WTP	240	200	220	No Licence	230	22Hr	220	-	220	
WTP0001000	Leataoibh WTP	240	200	220	No Licence	69	Yield	67	-	67	Significant Reduction
WTP0000307	Tobar Bhreandáin WTP	240	200	220	No Licence	575	22Hr	220	-	220	
WTP0000720	An Riasc WTP	480	400	440	No Licence	460	22Hr	440	-	440	
TOTAL		1 447	1 206	1 326	-	1 534		1 041	-	1 041	

Year	WAFU					Supply Demand Balance					
	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)
2019	955	955	1 044	1 447	364	389	542	400	955	955	1 044
2025	954	954	1 043	1 447	379	405	562	419	954	954	1 043
2030	953	953	1 042	1 447	386	414	572	428	953	953	1 042
2035	953	953	1 042	1 447	393	423	582	437	953	953	1 042
2040	952	953	1 041	1 447	400	431	591	446	952	953	1 041
2044	952	953	1 041	1 447	405	437	599	453	952	953	1 041

WRZ CODE	1300SC0006	WRZ Name	Dun Chaoin PWS 034D	Study Area	H	Study Group	Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	23
Non-Domestic Demand (m ³ /day)	29
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	100
Demand (m³/day)	155

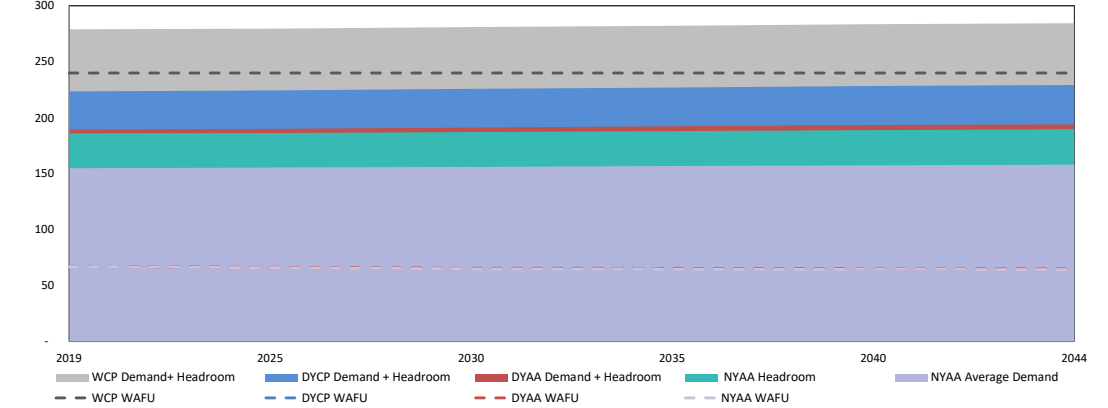
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	155	31	186	189	224	279
2025	155	31	186	190	224	280
2030	156	31	187	191	226	281
2035	157	31	188	192	227	282
2040	158	32	189	194	228	284
2044	158	32	190	194	229	285

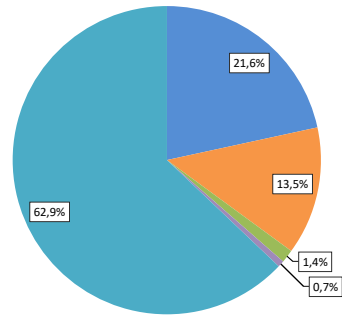
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000420	Dún Chaoin WTP	240	200	220	No Licence	67	Yield	65	-	65	Significant Reduction
TOTAL		240	200	220	-	67		65	-	65	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	67	67	67	240	119	122	156	39	
2025	66	66	66	240	120	124	158	40	
2030	65	66	66	240	122	126	160	41	
2035	65	65	65	240	123	127	162	42	
2040	65	65	65	240	124	128	163	44	
2044	65	65	65	240	125	129	164	45	

WRZ CODE	1300SC007	WRZ Name	An Fheothanach / An	Study Area	H	Study Group	Local Authority	Kerry
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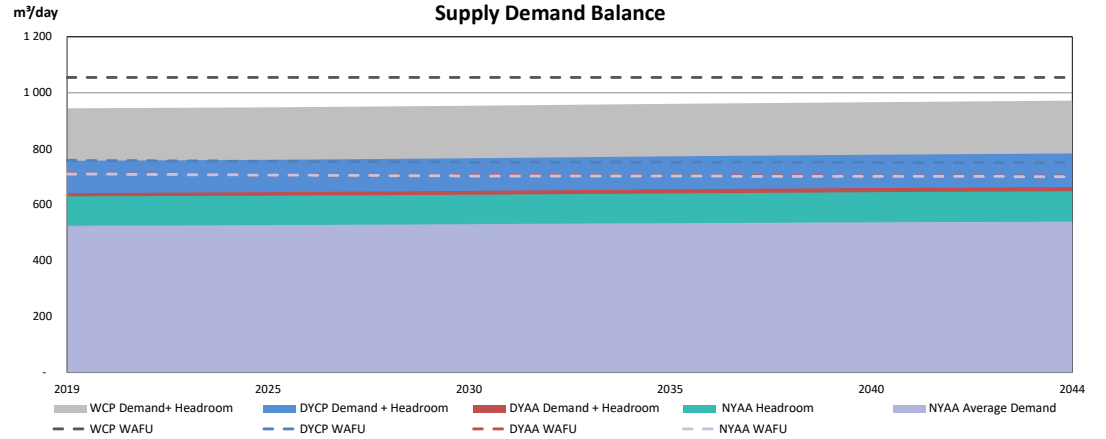
Base Demand in 2019	
Domestic Demand (m ³ /day)	113
Non-Domestic Demand (m ³ /day)	71
Operational Use (m ³ /day)	7
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	330
Demand (m³/day)	524

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	524	105	629	641	756	944
2025	527	105	632	645	761	948
2030	530	106	636	650	767	954
2035	534	107	640	655	773	960
2040	537	107	644	660	778	967
2044	540	108	648	663	783	972

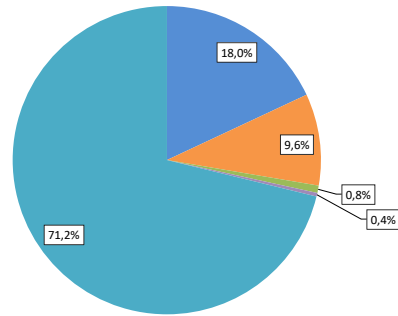
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000035	An Fheothanach WTP	480	400	440	No Licence	230	Yield	223	-	223	Significant Reduction
WTP0000059	Baile Breach WTP	576	480	528	No Licence	551	22Hr	528	-	528	
TOTAL		1 056	880	968	-	781		751	-	751	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	710	711	759	1 056	81	70	2	112	
2025	707	708	756	1 056	75	63	5	108	
2030	704	705	753	1 056	68	55	13	102	
2035	703	704	752	1 056	62	50	20	96	
2040	702	704	752	1 056	57	44	27	89	
2044	701	703	751	1 056	53	40	32	84	

WRZ CODE	1300SC0008	WRZ Name	An Clochan	Study Area	H	Study Group		Local Authority	Kerry
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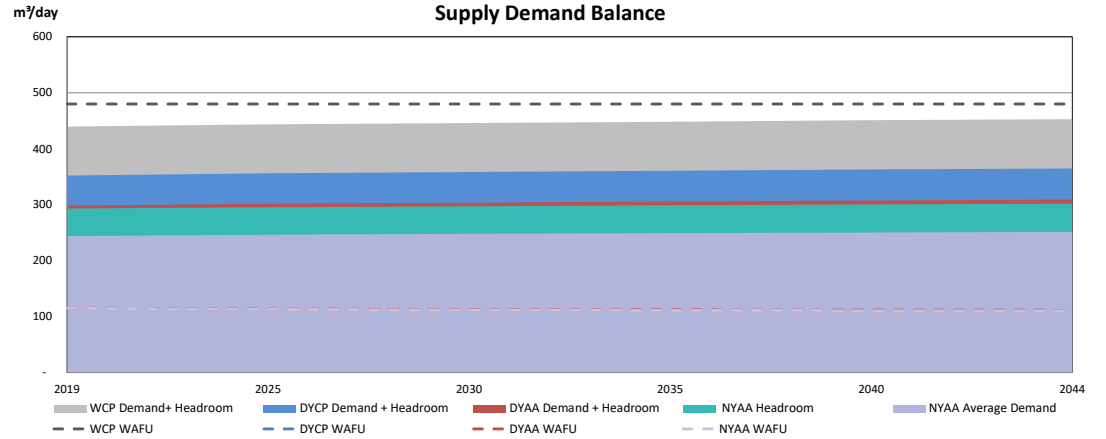
Base Demand in 2019	
Domestic Demand (m ³ /day)	44
Non-Domestic Demand (m ³ /day)	24
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	174
Demand (m³/day)	244

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	244	49	293	299	352	440
2025	246	49	296	302	356	443
2030	248	50	297	304	358	446
2035	249	50	299	306	361	448
2040	250	50	301	308	363	451
2044	252	50	302	309	365	453

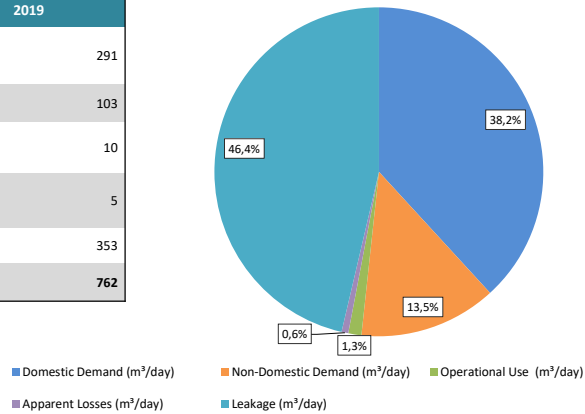
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000034	An Clochán WTP	480	400	440	No Licence	115	Yield	111	-	111	Significant Reduction
TOTAL		480	400	440	-	115		111	-	111	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	115	115	115	480	178	183	237	40	
2025	113	114	114	480	182	188	242	37	
2030	112	113	113	480	185	191	246	34	
2035	111	112	112	480	188	194	249	32	
2040	111	112	112	480	190	196	251	29	
2044	111	111	111	480	191	198	253	27	

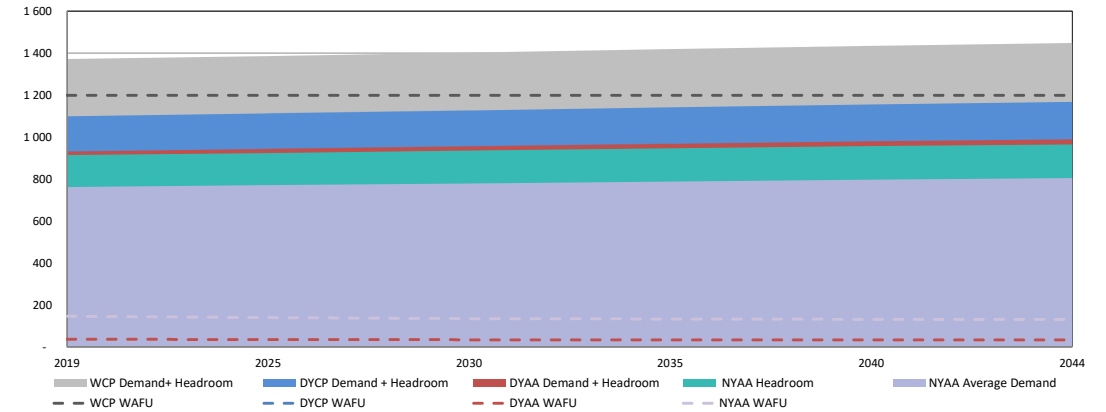
WRZ CODE	1300SC0009	WRZ Name	Castlegregory	Study Area	H	Study Group		Local Authority	Kerry
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Base Demand in	2019
Domestic Demand (m ³ /day)	291
Non-Domestic Demand (m ³ /day)	103
Operational Use (m ³ /day)	10
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	353
Demand (m³/day)	762

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	762	152	914	932	1 099	1 372
2025	770	154	924	943	1 113	1 387
2030	779	156	935	955	1 127	1 403
2035	788	158	946	967	1 141	1 419
2040	797	159	957	980	1 156	1 435
2044	805	161	966	989	1 167	1 448

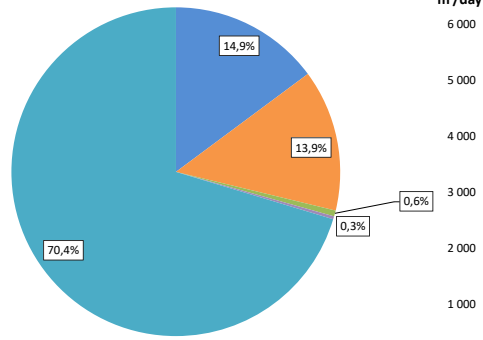
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000768	Castlegregory WTP	1 200	1 000	1 100	No Licence	37	Yield	34	-	34	
TOTAL		1 200	1 000	1 100	-	37		34	-	34	

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	147	37	37	1 200	768	894	1 062	172	1 062	172	172
2025	141	36	36	1 200	784	907	1 077	187	1 077	187	187
2030	135	35	35	1 200	800	920	1 092	203	1 092	203	203
2035	134	34	34	1 200	812	933	1 107	219	1 107	219	219
2040	132	34	34	1 200	824	946	1 122	235	1 122	235	235
2044	131	34	34	1 200	834	955	1 133	248	1 133	248	248

WRZ CODE	1300SC0010	WRZ Name	Ardfert North/ Glenderry	Study Area	H	Study Group		Local Authority	Kerry
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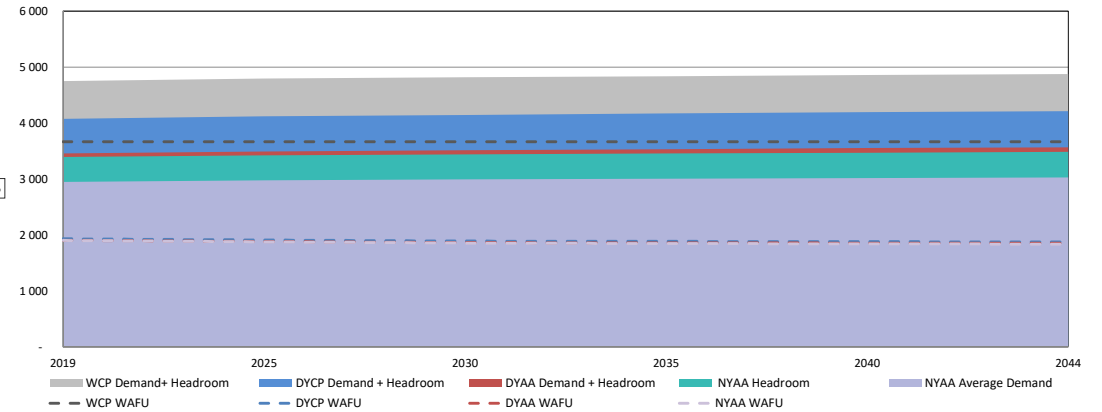
Base Demand in	2019
Domestic Demand (m ³ /day)	438
Non-Domestic Demand (m ³ /day)	411
Operational Use (m ³ /day)	17
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	2 076
Demand (m³/day)	2 950

Components of Base Demand 2019



- Domestic Demand (m³/day)
- Non-Domestic Demand (m³/day)
- Operational Use (m³/day)
- Apparent Losses (m³/day)
- Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 950	443	3 393	3 456	4 078	4 750
2025	2 978	447	3 425	3 494	4 123	4 795
2030	2 992	449	3 441	3 514	4 147	4 817
2035	3 006	451	3 456	3 534	4 170	4 839
2040	3 019	453	3 472	3 555	4 194	4 861
2044	3 030	455	3 485	3 568	4 212	4 878

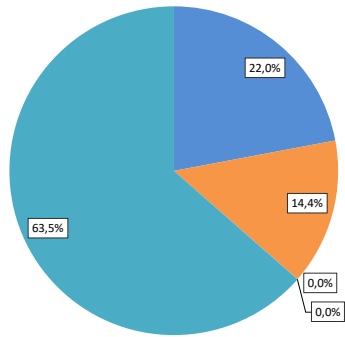
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000476	Glenderry WTP	312	260	286	No Licence	299	22Hr	286	-	286	
WTP0000242	Ballyheigue WTP	3 360	2 800	3 080	No Licence	1 609	Yield	1 593	-	1 593	
TOTAL		3 672	3 060	3 366	-	1 908		1 879	-	1 879	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	1 906	1 908	1 934	3 672	1 487	1 548	2 144	1 078	1 906	1 908	1 934
2025	1 879	1 886	1 912	3 672	1 546	1 608	2 211	1 123	1 879	1 886	1 912
2030	1 857	1 868	1 894	3 672	1 583	1 647	2 253	1 145	1 857	1 868	1 894
2035	1 851	1 862	1 888	3 672	1 606	1 672	2 282	1 167	1 851	1 862	1 888
2040	1 845	1 857	1 883	3 672	1 627	1 698	2 311	1 189	1 845	1 857	1 883
2044	1 840	1 853	1 879	3 672	1 645	1 715	2 333	1 206	1 840	1 853	1 879

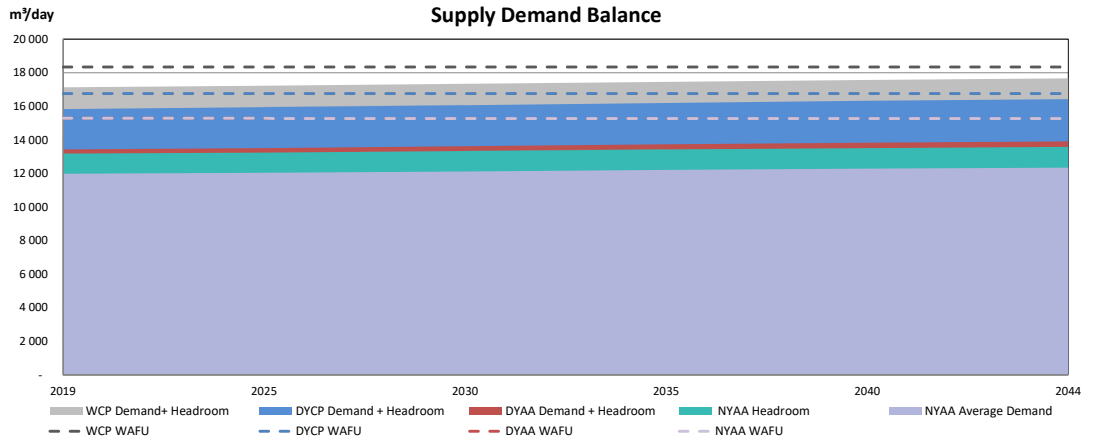
WRZ CODE	1300SC0011	WRZ Name	Listowel Regional Public Water Supply	Study Area	H	Study Group		Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	2 640
Non-Domestic Demand (m ³ /day)	1 726
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	7 615
Demand (m³/day)	11 984

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	11 984	1 198	13 182	13 429	15 846	17 137
2025	12 043	1 204	13 248	13 514	15 946	17 222
2030	12 125	1 213	13 338	13 622	16 073	17 339
2035	12 207	1 221	13 428	13 731	16 201	17 456
2040	12 289	1 229	13 518	13 840	16 327	17 573
2044	12 354	1 235	13 590	13 913	16 427	17 667

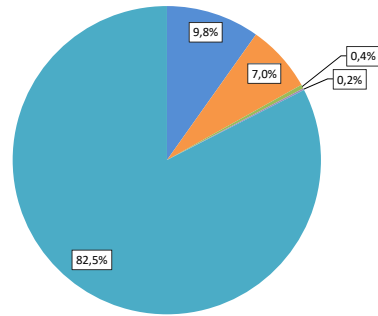
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000730	Tarbert WTP	600	500	550	No Licence	488	Yield	484	-	484	
WTP0000139	Lyracrompane WTP	4 080	3 400	3 740	No Licence	10 245	22Hr	3 740	-	3 740	
WTP0000363	Listowel (Dromin) WTP	14 400	12 000	13 200	No Licence	29 527	22Hr	13 200	660	12 540	Critical - Low Flow Intervention
TOTAL		19 080	15 900	17 490	-	40 260		17 424	-	660	16 764

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	15 300	15 300	16 780	18 360	2 118	1 871	935	1 223	15 300	15 300	16 780
2025	15 292	15 294	16 774	18 360	2 044	1 779	827	1 138	15 292	15 294	16 774
2030	15 285	15 288	16 768	18 360	1 947	1 666	695	1 021	15 285	15 288	16 768
2035	15 283	15 286	16 766	18 360	1 855	1 556	565	904	15 283	15 286	16 766
2040	15 281	15 285	16 765	18 360	1 763	1 445	438	787	15 281	15 285	16 765
2044	15 280	15 284	16 764	18 360	1 690	1 370	337	693	15 280	15 284	16 764

WRZ CODE	1300SC0012	WRZ Name	Brosna/Knocknagoshel PWS	Study Area	H	Study Group	Local Authority	Kerry
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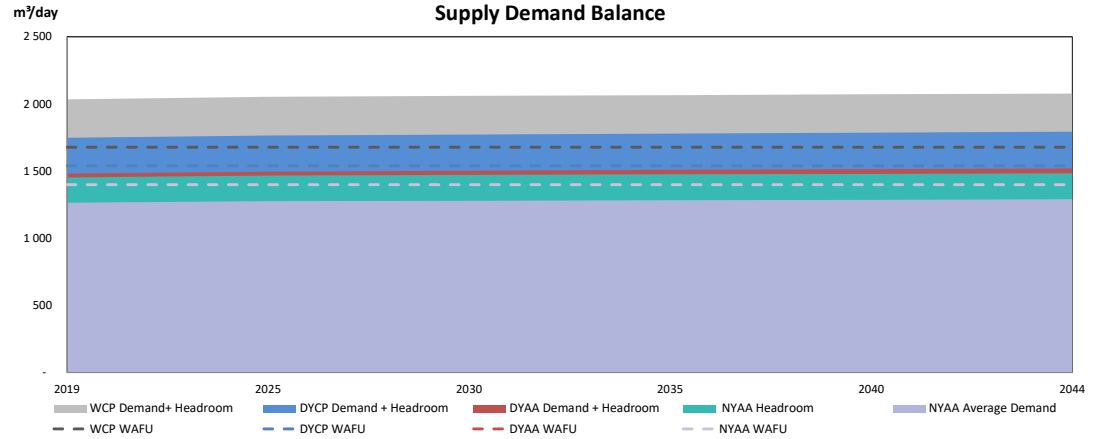
Base Demand in 2019	
Domestic Demand (m ³ /day)	124
Non-Domestic Demand (m ³ /day)	89
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	1 043
Demand (m³/day)	1 264

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 264	190	1 454	1 481	1 747	2 035
2025	1 275	191	1 467	1 496	1 766	2 053
2030	1 279	192	1 471	1 503	1 773	2 060
2035	1 283	192	1 476	1 509	1 780	2 066
2040	1 287	193	1 480	1 515	1 788	2 072
2044	1 290	194	1 484	1 519	1 793	2 077

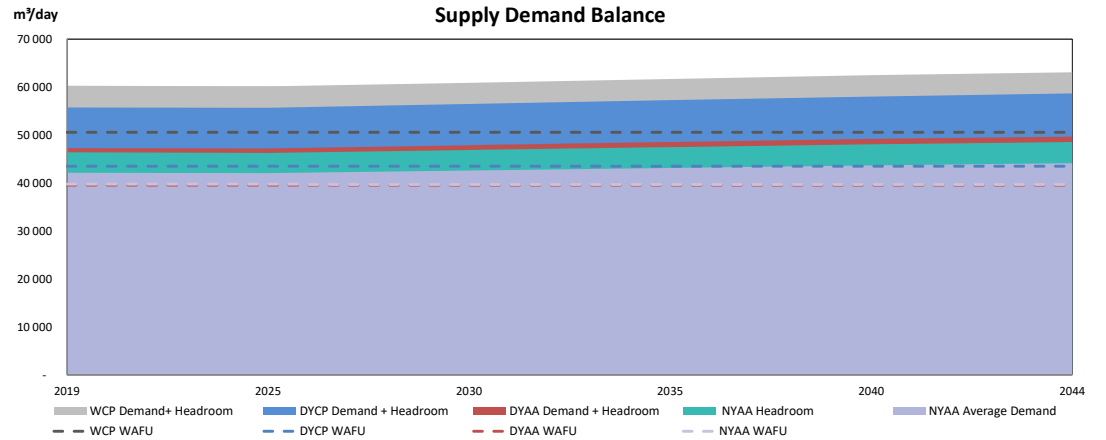
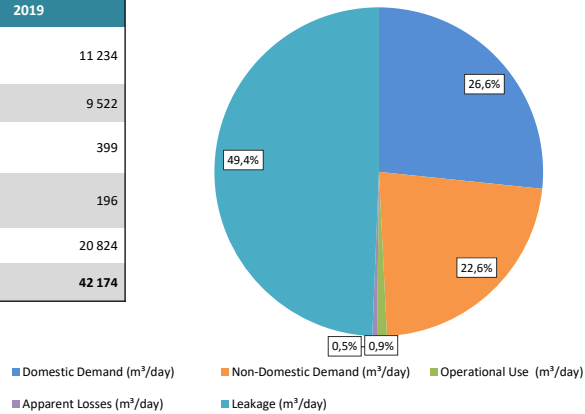
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000323	Brosna/Knocknagoshel WTP	1 680	1 400	1 540	No Licence	8 569	22Hr	1 540	-	1 540	Critical - Low Flow Intervention
TOTAL		1 680	1 400	1 540	-	8 569		1 540	-	1 540	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 400	1 400	1 540	1 680	54	81	207	355	
2025	1 400	1 400	1 540	1 680	67	96	226	373	
2030	1 400	1 400	1 540	1 680	71	103	233	380	
2035	1 400	1 400	1 540	1 680	76	109	240	386	
2040	1 400	1 400	1 540	1 680	80	115	248	392	
2044	1 400	1 400	1 540	1 680	84	119	253	397	

WRZ CODE	1300SC0013	WRZ Name	Central Regional - Lough Guitane	Study Area	H	Study Group		Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	11 234
Non-Domestic Demand (m ³ /day)	9 522
Operational Use (m ³ /day)	399
Apparent Losses (m ³ /day)	196
Leakage (m ³ /day)	20 824
Demand (m³/day)	42 174

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	42 174	4 217	46 391	47 260	55 764	60 309
2025	42 069	4 207	46 275	47 207	55 701	60 158
2030	42 611	4 261	46 872	47 871	56 486	60 933
2035	43 153	4 315	47 468	48 538	57 272	61 708
2040	43 695	4 369	48 064	49 209	58 052	62 483
2044	44 128	4 413	48 541	49 697	58 674	63 103

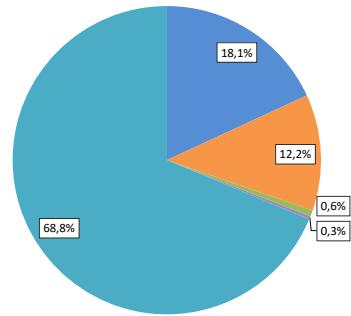
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000448	Fenit WTP	336	280	308	No Licence	96	Yield	95	-	95	Significant Reduction
WTP0000530	Inch WTP	792	660	726	No Licence	109	Yield	106	-	106	Significant Reduction
WTP0001159	Camp WTP	840	700	770	No Licence	330	Yield	305	-	305	Demand > Safe Production Capacity
WTP0000750	Shrone WTP	864	720	792	No Licence	-	Yield	-	-	-	-
WTP0000624	Barraduff WTP	864	720	792	No Licence	-	Yield	-	-	-	Demand > Safe Production Capacity
WTP0000703	Ardfert WTP	1 320	1 100	1 210	No Licence	1 264	22Hr	1 210	-	1 210	Significant Reduction
WTP0000142	Lough Guitane WTP	48 000	40 000	44 000	54 540	50 764	22Hr	44 000	-	2 200	41 800 Significant Reduction
TOTAL		53 016	44 180	48 598	54 540	52 563		45 716	-	2 200	43 516

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	39 800	39 635	43 545	50 616	-	6 591	-	7 625	-	12 219	-	9 693
2025	39 779	39 623	43 533	50 616	-	6 496	-	7 584	-	12 168	-	9 542
2030	39 762	39 614	43 524	50 616	-	7 109	-	8 258	-	12 962	-	10 317
2035	39 757	39 611	43 521	50 616	-	7 710	-	8 928	-	13 752	-	11 092
2040	39 753	39 608	43 518	50 616	-	8 311	-	9 601	-	14 534	-	11 867
2044	39 749	39 606	43 516	50 616	-	8 792	-	10 091	-	15 158	-	12 487

WRZ CODE	1300SC0015	WRZ Name	Mid Kerry	Study Area	H	Study Group	Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 769
Non-Domestic Demand (m ³ /day)	1 194
Operational Use (m ³ /day)	61
Apparent Losses (m ³ /day)	30
Leakage (m ³ /day)	6 719
Demand (m³/day)	9 773

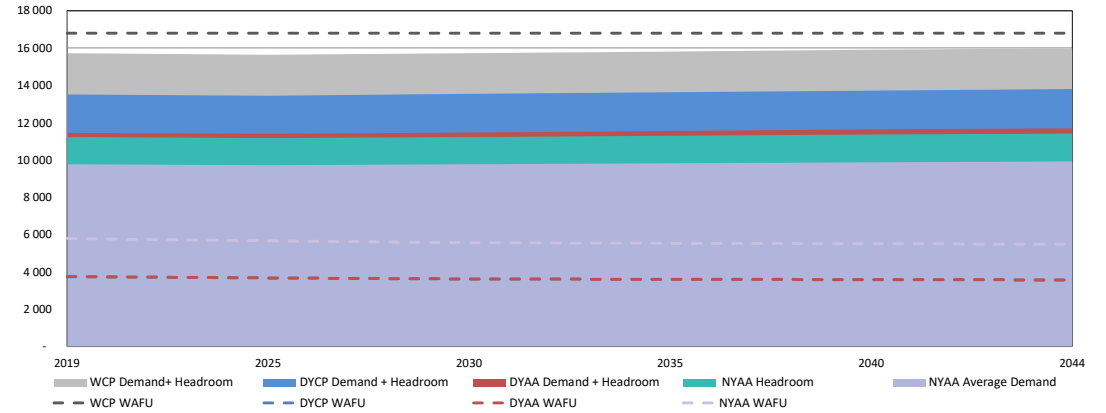
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	9 773	1 466	11 239	11 449	13 510	15 735
2025	9 718	1 458	11 176	11 401	13 453	15 647
2030	9 773	1 466	11 239	11 479	13 544	15 735
2035	9 828	1 474	11 302	11 557	13 637	15 823
2040	9 883	1 482	11 365	11 636	13 727	15 911
2044	9 927	1 489	11 416	11 688	13 799	15 982

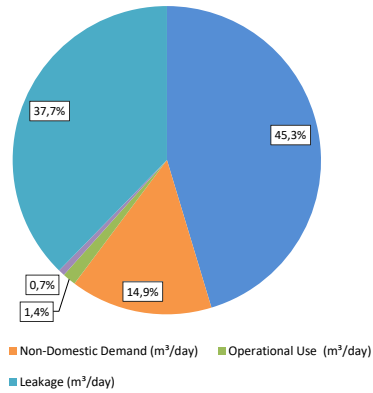
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001153	Miltown WTP	600	500	550	No Licence	488	Yield	474	-	474	Issue Capacity / Yield (Unknown)
WTP0000283	Caragh Lake WTP	960	800	880	No Licence	520	Yield	481	-	481	Issue Capacity / Yield (Unknown)
WTP0000370	Breanlee WTP	1 320	1 100	1 210	No Licence	134	Yield	124	-	124	Issue Capacity / Yield (Unknown)
WTP0000164	Mid-Kerry WTP	14 664	12 220	13 442	No Licence	2 847	Yield	2 633	132	2 502	Issue Capacity / Yield (Unknown)
TOTAL		17 544	14 620	16 082	-	3 990		3 712	-	132	3 581

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	5 801	3 762	3 753	16 811	5 438	7 687	9 757	1 076	
2025	5 673	3 684	3 684	16 811	5 503	7 717	9 769	1 164	
2030	5 575	3 626	3 626	16 811	5 665	7 853	9 918	1 076	
2035	5 545	3 609	3 609	16 811	5 757	7 948	10 028	988	
2040	5 518	3 593	3 593	16 811	5 847	8 043	10 134	899	
2044	5 497	3 581	3 581	16 811	5 919	8 107	10 218	829	

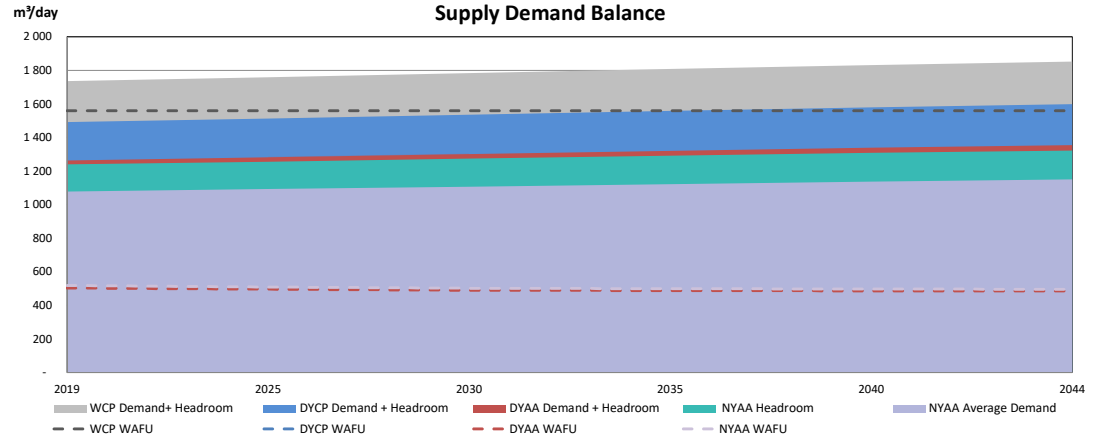
WRZ CODE	1300SC0016	WRZ Name	Emlaghpeasta / Portmagee /	Study Area	H	Study Group	Local Authority	Kerry
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Base Demand in	2019
Domestic Demand (m ³ /day)	489
Non-Domestic Demand (m ³ /day)	161
Operational Use (m ³ /day)	15
Apparent Losses (m ³ /day)	7
Leakage (m ³ /day)	407
Demand (m³/day)	1 079

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 079	162	1 241	1 264	1 492	1 737
2025	1 093	164	1 256	1 282	1 512	1 759
2030	1 108	166	1 274	1 301	1 535	1 783
2035	1 123	168	1 291	1 320	1 558	1 808
2040	1 138	171	1 309	1 340	1 581	1 832
2044	1 150	173	1 323	1 354	1 599	1 852

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000459	Emlaghpeasta WTP	240	200	220	No Licence	16	Yield	16	-	16	Significant Reduction
WTP0001183	Portmagee WTP	600	500	550	No Licence	245	Yield	243	-	243	
WTP0000158	Málainn WTP	720	600	660	No Licence	235	Yield	228	-	228	Significant Reduction
TOTAL		1 560	1 300	1 430	-	496		486	-	486	

WAFU

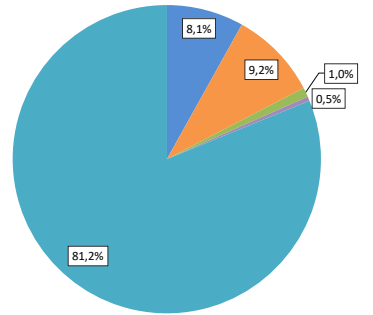
Supply Demand Balance

Year	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	520	504	504	1 560	721	760	987	177
2025	511	497	497	1 560	746	785	1 015	199
2030	503	491	491	1 560	771	810	1 044	223
2035	501	489	489	1 560	791	831	1 069	248
2040	498	488	488	1 560	810	852	1 093	272
2044	497	486	486	1 560	826	868	1 112	292

WRZ CODE	1300SC0017	WRZ Name	Caherdaniel / Castlecove	Study Area	I	Study Group	Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	52
Non-Domestic Demand (m ³ /day)	59
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	517
Demand (m³/day)	637

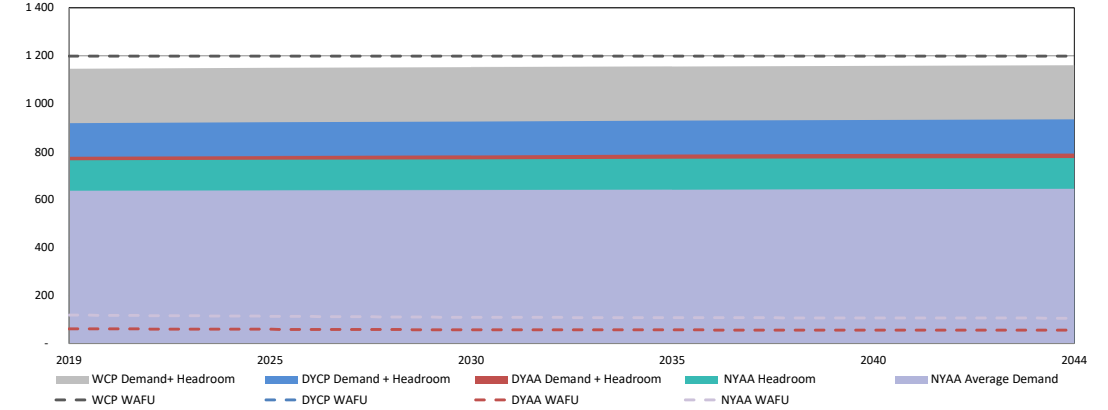
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	637	127	764	779	919	1147
2025	639	128	766	782	922	1150
2030	640	128	768	785	926	1152
2035	642	128	770	788	929	1155
2040	643	129	772	791	933	1158
2044	645	129	774	792	935	1161

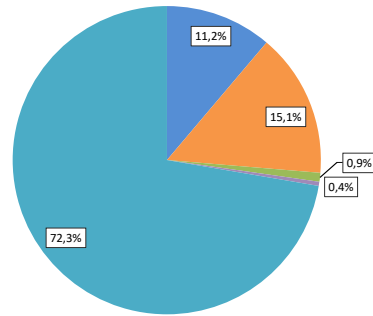
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000501	Castlecove WTP	600	500	550	No Licence	41	Yield	38	-	38	Significant Reduction
WTP0000334	Caherdaniel WTP	600	500	550	No Licence	19	Yield	18	-	18	Significant Reduction
TOTAL		1 200	1 000	1 100	-	61		56	-	56	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	119	62	62	1 200	645	717	857	53	
2025	114	60	60	1 200	652	722	863	50	
2030	110	58	58	1 200	658	727	868	48	
2035	109	57	57	1 200	662	730	872	45	
2040	107	57	57	1 200	665	734	876	42	
2044	107	56	56	1 200	667	736	879	39	

WRZ CODE	1300SC0018	WRZ Name	Sneem PWS 068A	Study Area	I	Study Group		Local Authority	Kerry
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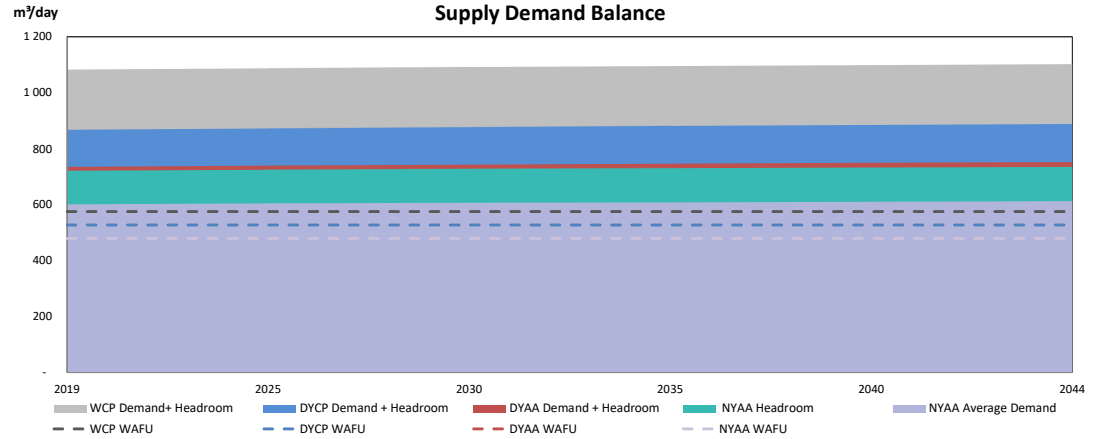
Base Demand in 2019	
Domestic Demand (m ³ /day)	67
Non-Domestic Demand (m ³ /day)	91
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	435
Demand (m³/day)	601

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	601	120	722	735	868	1 083
2025	604	121	725	740	873	1 088
2030	606	121	728	743	877	1 092
2035	609	122	730	747	881	1 095
2040	611	122	733	750	885	1 099
2044	612	122	735	752	888	1 102

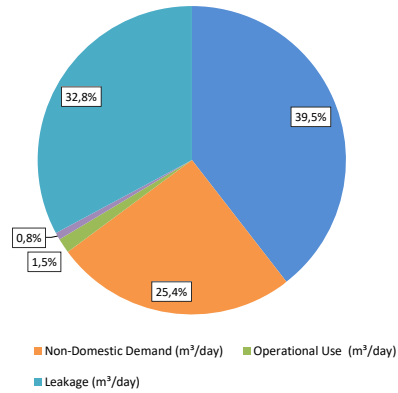
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000710	Sneem WTP	576	480	528	No Licence	7 513	22Hr	528	-	528	
TOTAL		576	480	528	-	7 513		528	-	528	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	480	480	528	576	242	255	340	507	480	480	528
2025	480	480	528	576	245	260	345	512	480	480	528
2030	480	480	528	576	248	263	349	516	480	480	528
2035	480	480	528	576	250	267	353	519	480	480	528
2040	480	480	528	576	253	270	357	523	480	480	528
2044	480	480	528	576	255	272	360	526	480	480	528

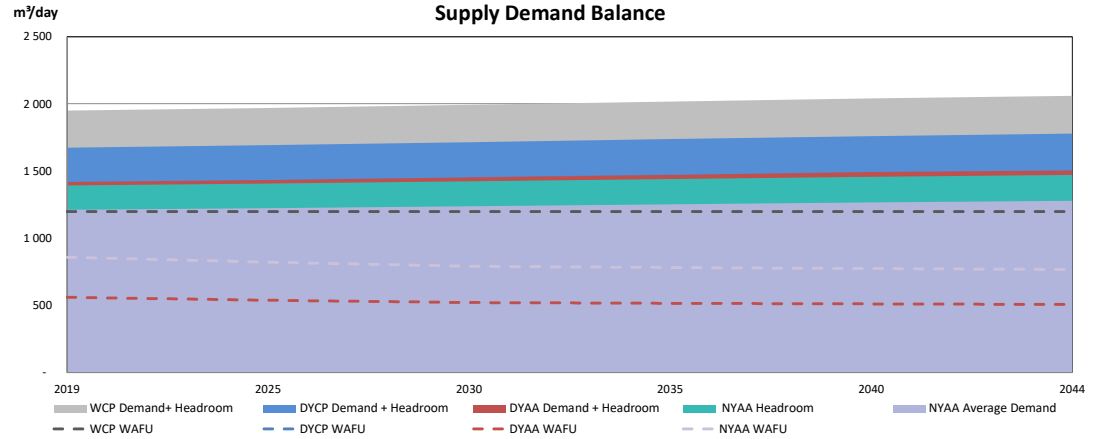
WRZ CODE	1300SC0019	WRZ Name	Kenmare / Kilgarvan	Study Area	I	Study Group		Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	478
Non-Domestic Demand (m ³ /day)	308
Operational Use (m ³ /day)	19
Apparent Losses (m ³ /day)	9
Leakage (m ³ /day)	398
Demand (m³/day)	1 212

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 212	182	1 394	1 420	1 675	1 951
2025	1 223	183	1 406	1 435	1 693	1 969
2030	1 238	186	1 423	1 454	1 715	1 993
2035	1 253	188	1 440	1 473	1 738	2 017
2040	1 267	190	1 458	1 492	1 760	2 041
2044	1 279	192	1 471	1 506	1 778	2 060

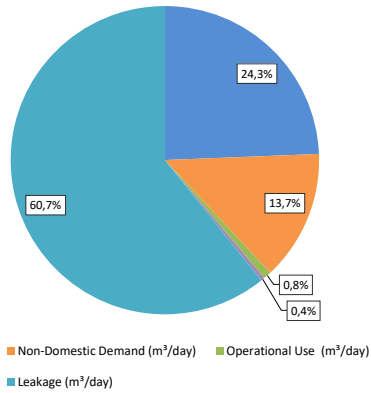
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000315	Kenmare WTP	1 200	1 000	1 100	No Licence	549	Yield	508	-	508	
TOTAL		1 200	1 000	1 100	-	549		508	-	508	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	860	562	562	1 200	534	858	1 114	751				
2025	823	540	540	1 200	583	895	1 153	769				
2030	793	522	522	1 200	631	932	1 193	793				
2035	784	517	517	1 200	657	956	1 221	817				
2040	775	512	512	1 200	682	980	1 248	841				
2044	769	508	508	1 200	702	998	1 270	860				

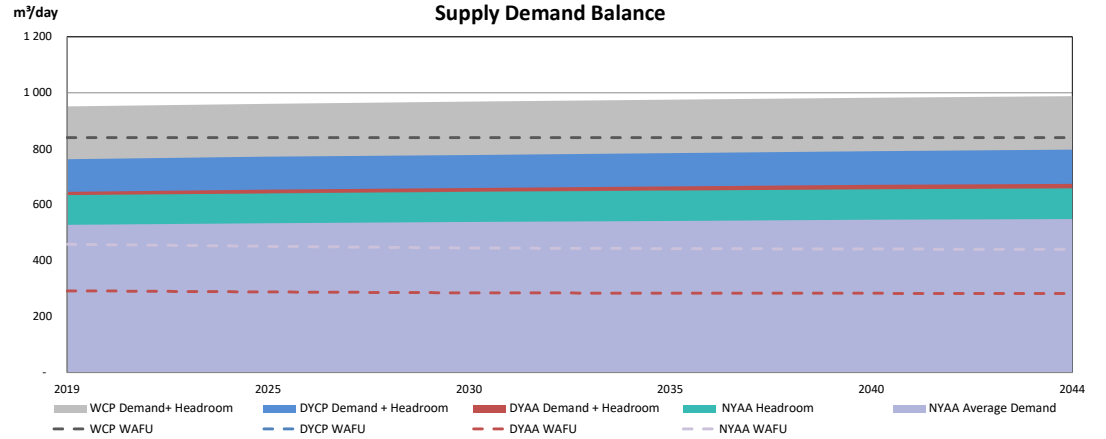
WRZ CODE	1300SC0022	WRZ Name	Ceann Tra PWS 074D	Study Area	H	Study Group		Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	129
Non-Domestic Demand (m ³ /day)	72
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	321
Demand (m³/day)	528

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	528	106	634	646	762	951
2025	534	107	641	654	771	961
2030	538	108	645	659	778	968
2035	542	108	650	665	785	975
2040	546	109	655	671	791	983
2044	549	110	659	675	796	988

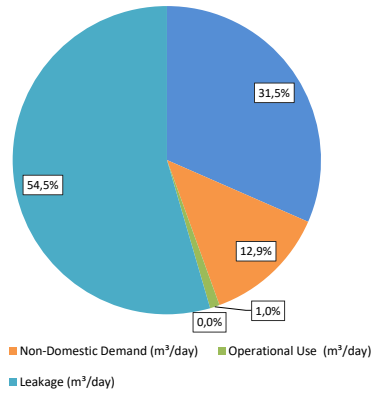
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000515	Ceann Trá WTP	840	700	770	No Licence	292	Yield	283	-	283	
TOTAL		840	700	770	-	292		283	-	283	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU (m ³ /day)
2019	459	293	293	840	175	353	469	111	-	-
2025	452	289	289	840	189	365	482	121	-	-
2030	446	285	285	840	200	374	492	128	-	-
2035	444	284	284	840	207	380	500	135	-	-
2040	442	284	284	840	213	387	508	143	-	-
2044	441	283	283	840	218	392	514	148	-	-

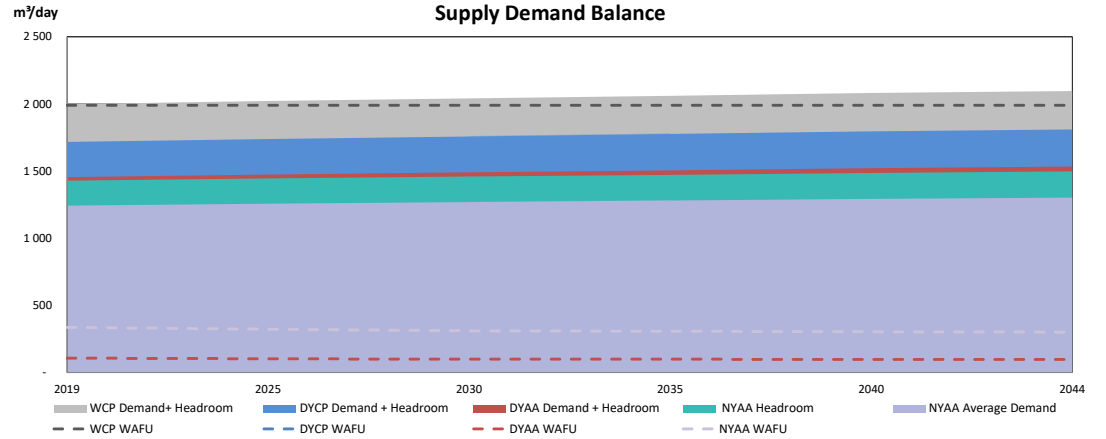
WRZ CODE	1300SC0023	WRZ Name	Waterville PWS 075H	Study Area	I	Study Group		Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	392
Non-Domestic Demand (m ³ /day)	160
Operational Use (m ³ /day)	12
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	677
Demand (m³/day)	1 242

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 242	186	1 428	1 455	1 717	2 000
2025	1 256	188	1 445	1 474	1 739	2 023
2030	1 268	190	1 459	1 490	1 758	2 042
2035	1 281	192	1 473	1 506	1 777	2 062
2040	1 293	194	1 487	1 522	1 796	2 081
2044	1 302	195	1 498	1 534	1 811	2 097

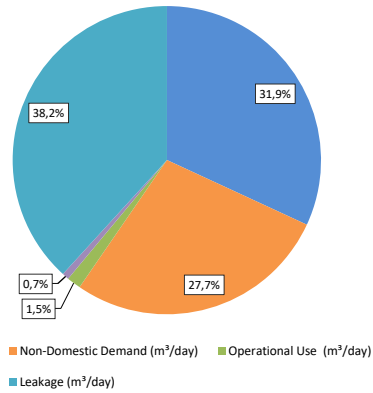
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001212	Waterville WTP	1 992	1 660	1 826	No Licence	106	Yield	98	-	98	
TOTAL		1 992	1 660	1 826	-	106		98	-	98	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	338	108	108	1 992	1 090	1 347	1 609	8	
2025	324	104	104	1 992	1 121	1 370	1 635	31	
2030	312	101	101	1 992	1 147	1 389	1 657	50	
2035	308	100	100	1 992	1 165	1 406	1 677	70	
2040	305	99	99	1 992	1 182	1 423	1 697	89	
2044	302	98	98	1 992	1 196	1 436	1 713	105	

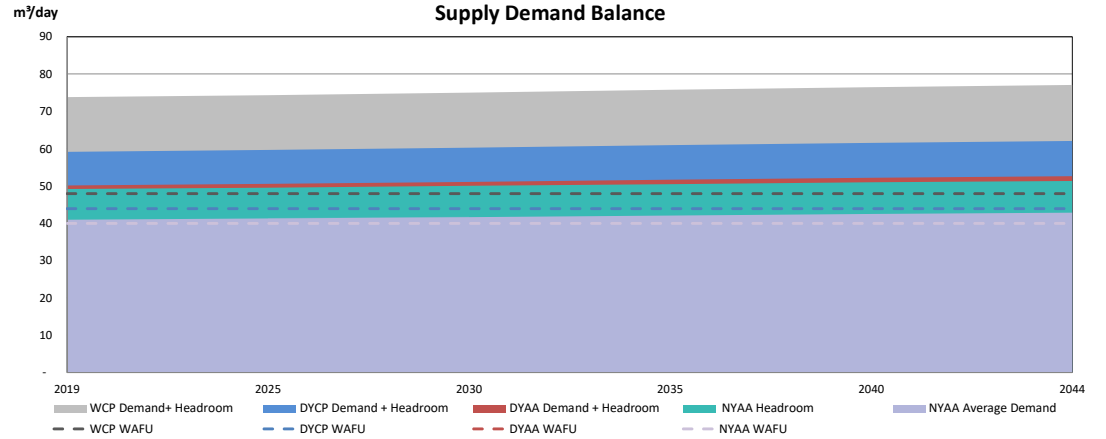
WRZ CODE	1300SC0024	WRZ Name	Lyranes 303A	Study Area	H	Study Group	Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	13
Non-Domestic Demand (m ³ /day)	11
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	16
Demand (m³/day)	41

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	41	8	49	50	59	74
2025	41	8	50	51	60	74
2030	42	8	50	51	60	75
2035	42	8	51	52	61	76
2040	43	9	51	52	62	77
2044	43	9	51	53	62	77

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000952	Lyranes WTP	48	40	44	No Licence	46	22Hr	44	-	44	
TOTAL		48	40	44	-	46		44	-	44	

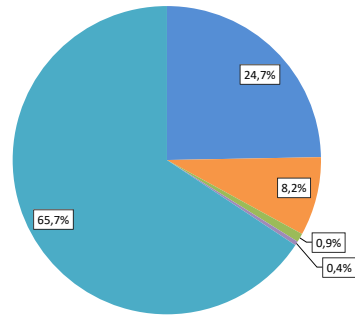
Supply Demand Balance

Year	WAFU			Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	40	40	44	48	9	10	15	26	
2025	40	40	44	48	10	11	16	26	
2030	40	40	44	48	10	11	16	27	
2035	40	40	44	48	11	12	17	28	
2040	40	40	44	48	11	12	18	29	
2044	40	40	44	48	11	13	18	29	

WRZ CODE	1300SC0025	WRZ Name	Mountain Stage PWS 062A	Study Area	H	Study Group	Local Authority	Kerry
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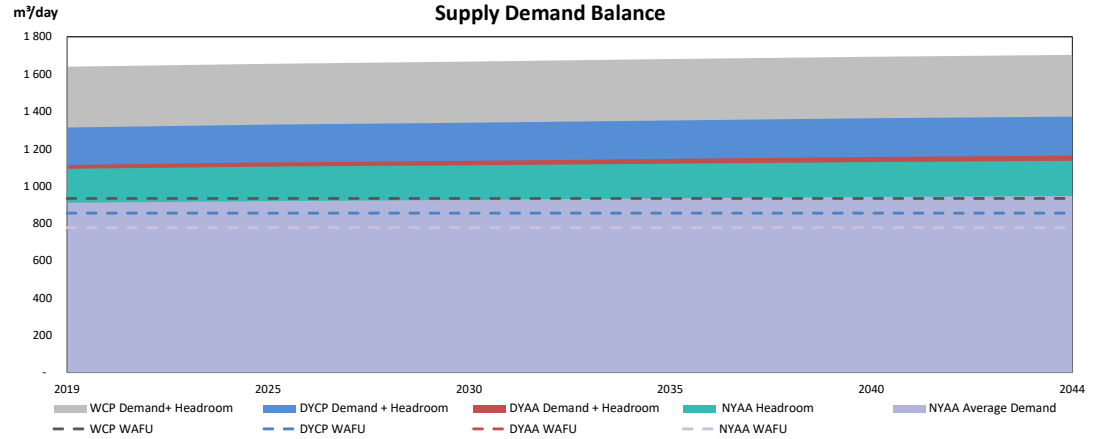
Base Demand in	2019
Domestic Demand (m ³ /day)	225
Non-Domestic Demand (m ³ /day)	75
Operational Use (m ³ /day)	8
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	598
Demand (m³/day)	911

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	911	182	1 093	1 113	1 314	1 639
2025	920	184	1 104	1 126	1 328	1 655
2030	927	185	1 112	1 136	1 340	1 668
2035	934	187	1 120	1 146	1 352	1 681
2040	941	188	1 129	1 156	1 363	1 693
2044	946	189	1 135	1 162	1 372	1 703

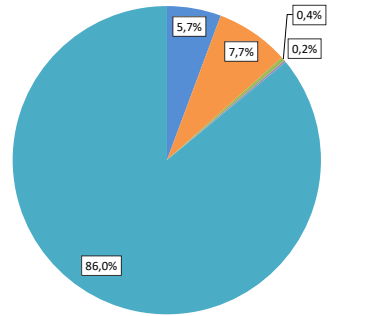
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000876	Mountain Stage (Droum) WTP	190	158	174	No Licence	182	22Hr	174	-	174	
WTP0001072	Mountain Stage WTP	744	620	682	No Licence	2 936	22Hr	682	-	682	
TOTAL		934	778	856	-	3 118		856	-	856	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	778	778	856	934	315	335	458	705	705
2025	778	778	856	934	325	347	472	721	721
2030	778	778	856	934	334	357	484	734	734
2035	778	778	856	934	342	367	496	747	747
2040	778	778	856	934	350	377	507	759	759
2044	778	778	856	934	357	384	516	769	769

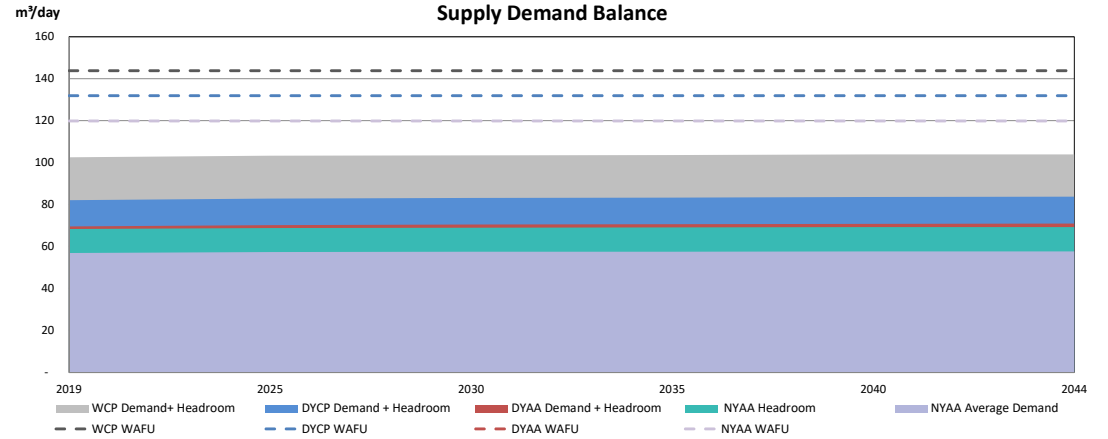
WRZ CODE	1300SC0026	WRZ Name	Lios Cearnaigh PWS 052D	Study Area	H	Study Group		Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	4
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	49
Demand (m³/day)	57

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	57	11	68	70	82	103
2025	57	11	69	70	83	103
2030	58	12	69	70	83	104
2035	58	12	69	71	83	104
2040	58	12	69	71	84	104
2044	58	12	69	71	84	104

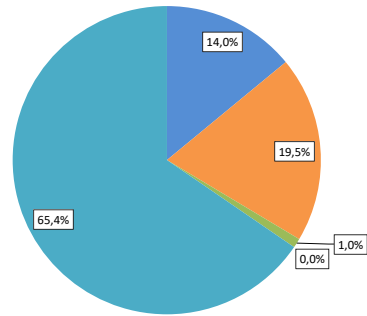
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000154	Lios Cearnaigh WTP	144	120	132	No Licence	138	22Hr	132	-	132	
TOTAL		144	120	132	-	138		132	-	132	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	120	120	132	144	52	50	50	41
2025	120	120	132	144	51	50	49	41
2030	120	120	132	144	51	50	49	40
2035	120	120	132	144	51	49	49	40
2040	120	120	132	144	51	49	48	40
2044	120	120	132	144	51	49	48	40

WRZ CODE	1300SC0027	WRZ Name	Lauragh PWS 051A	Study Area	I	Study Group		Local Authority	Kerry
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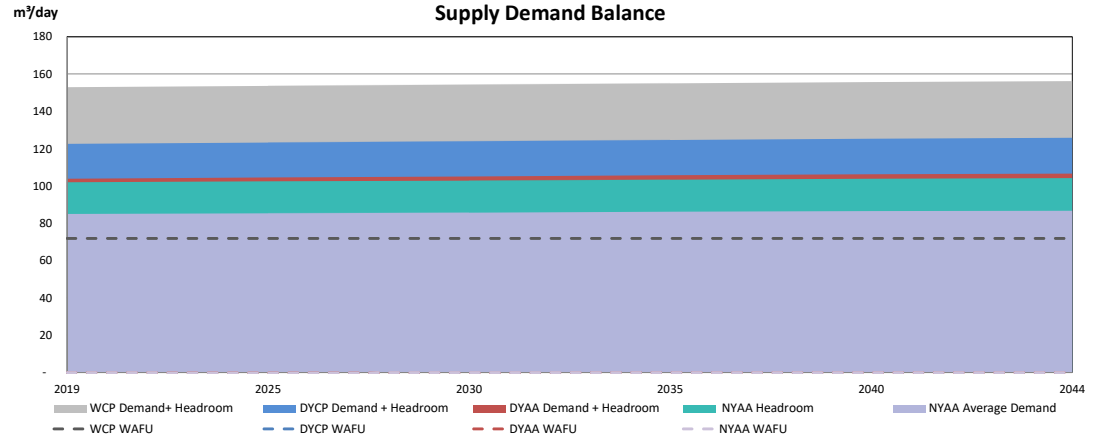
Base Demand in 2019	
Domestic Demand (m ³ /day)	12
Non-Domestic Demand (m ³ /day)	17
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	56
Demand (m³/day)	85

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	85	17	102	104	123	153
2025	85	17	103	105	123	154
2030	86	17	103	105	124	154
2035	86	17	103	106	125	155
2040	87	17	104	106	125	156
2044	87	17	104	107	126	156

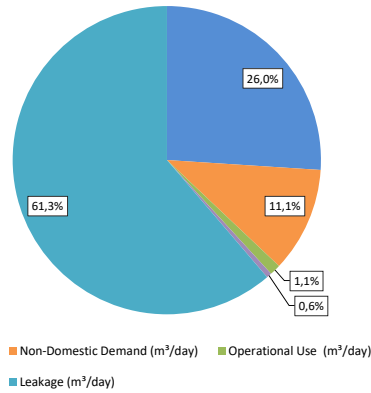
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001184	Lauragh WTP	72	60	66	No Licence	0	Yield	0	-	0	
TOTAL		72	60	66	-	0		0	-	0	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Demand (m ³ /day)
2019	0	0	0	72	102	104	123	153	85
2025	0	0	0	72	103	105	123	154	85
2030	0	0	0	72	103	105	124	154	86
2035	0	0	0	72	103	106	125	155	86
2040	0	0	0	72	104	106	125	156	87
2044	0	0	0	72	104	107	126	156	87

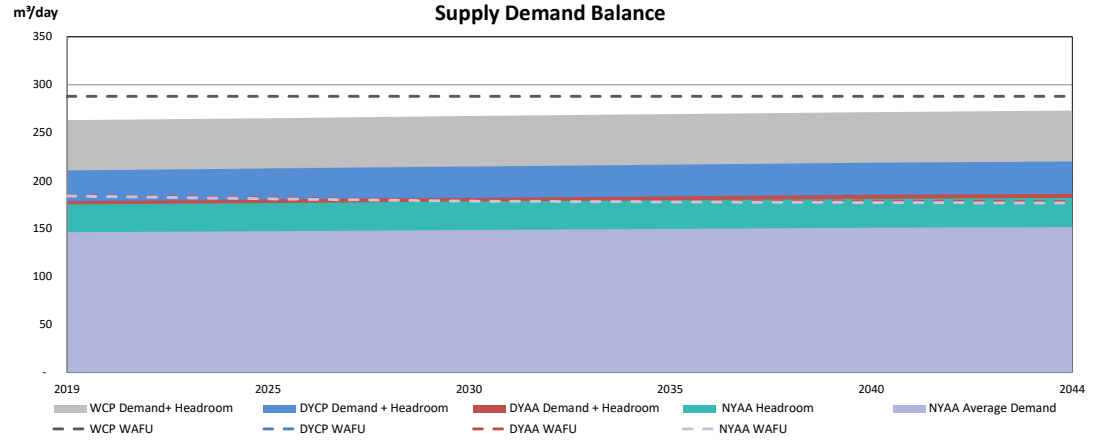
WRZ CODE	1300SC0028	WRZ Name	Ce Bhreannain	Study Area	H	Study Group	Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	38
Non-Domestic Demand (m ³ /day)	16
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	90
Demand (m³/day)	146

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	146	29	175	179	211	263
2025	147	29	177	180	213	265
2030	149	30	178	182	215	267
2035	150	30	180	184	217	269
2040	151	30	181	185	219	272
2044	152	30	182	187	220	273

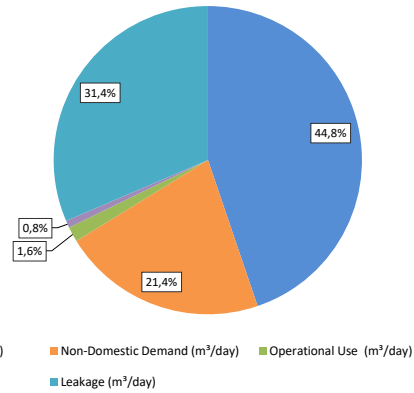
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000706	Cé Bhréanainn WTP	288	240	264	No Licence	184	Yield	178	-	178	
TOTAL		288	240	264	-	184		178	-	178	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	184	185	185	288	9	6	-	26	25	
2025	181	182	182	288	5	2	-	31	23	
2030	179	180	180	288	1	2	-	35	21	
2035	178	179	179	288	2	4	-	37	19	
2040	177	179	179	288	4	7	-	40	16	
2044	177	178	178	288	5	8	-	42	15	

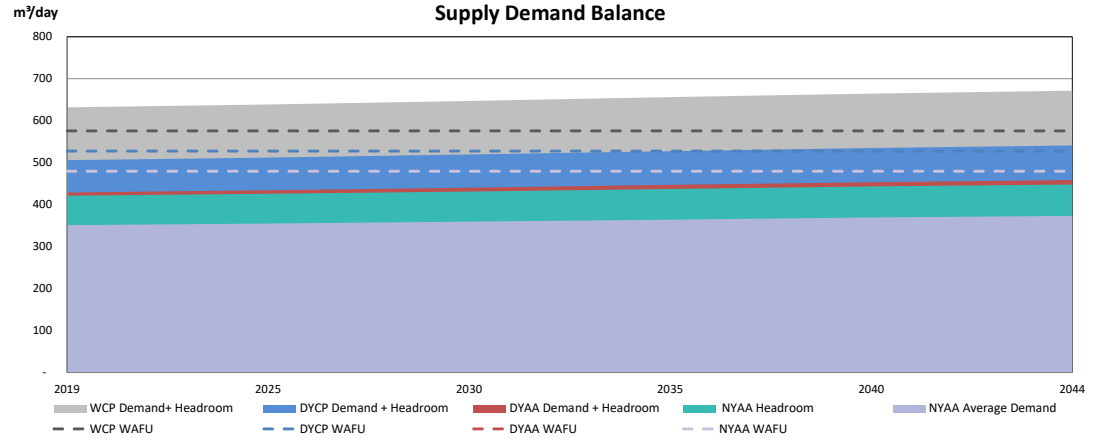
WRZ CODE	1300SC0029	WRZ Name	Kilgarvan	Study Area	I	Study Group		Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	157
Non-Domestic Demand (m ³ /day)	75
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	110
Demand (m³/day)	351

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	351	70	421	429	506	632
2025	355	71	426	434	512	639
2030	360	72	432	441	520	647
2035	364	73	437	447	528	656
2040	369	74	443	454	535	665
2044	373	75	448	459	541	672

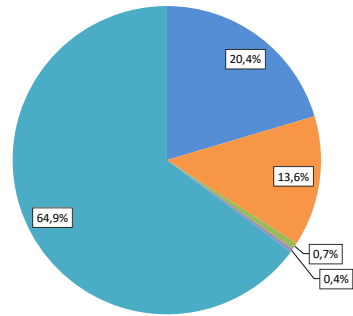
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000469	Kilgarvan WTP	576	480	528	No Licence	1 257	22Hr	528	-	528	
TOTAL		576	480	528	-	1 257		528	-	528	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	480	480	528	576	59	51	22	56
2025	480	480	528	576	54	46	16	63
2030	480	480	528	576	48	39	8	71
2035	480	480	528	576	43	33	0	80
2040	480	480	528	576	37	26	7	89
2044	480	480	528	576	32	21	13	96

WRZ CODE	1300SC0030	WRZ Name	Aughacsla	Study Area	H	Study Group	Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	72
Non-Domestic Demand (m ³ /day)	48
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	230
Demand (m³/day)	355

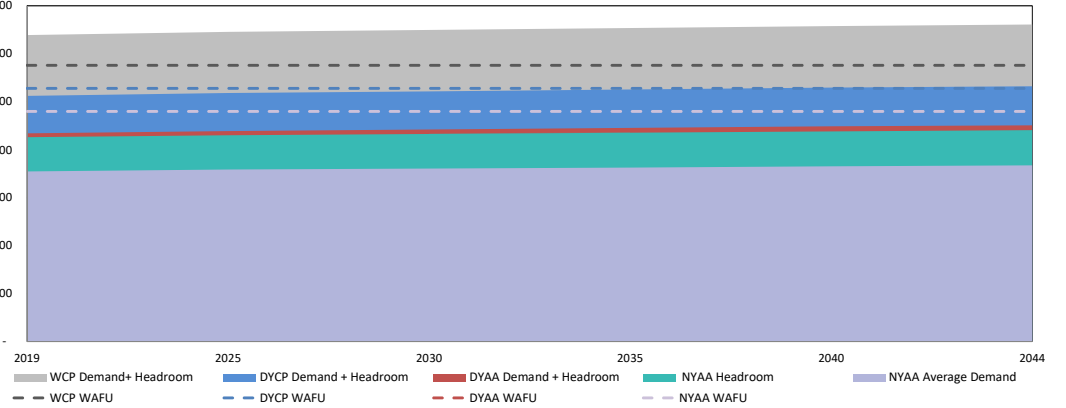
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	355	71	426	434	512	639
2025	359	72	430	439	518	645
2030	361	72	433	442	522	649
2035	363	73	436	445	526	653
2040	365	73	438	449	529	658
2044	367	73	441	451	532	661

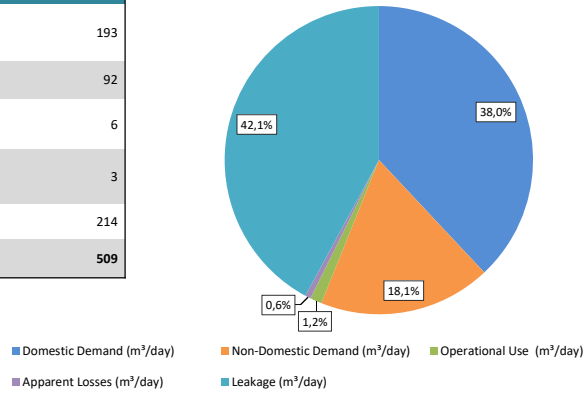
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001083	Aughacsla WTP	576	480	528	No Licence	745	22Hr	528	-	528	Significant Reduction
TOTAL		576	480	528	-	745		528	-	528	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	480	480	528	576	54	46	16	63
2025	480	480	528	576	50	41	10	69
2030	480	480	528	576	47	38	6	73
2035	480	480	528	576	44	35	2	77
2040	480	480	528	576	42	31	1	82
2044	480	480	528	576	39	29	4	85

WRZ CODE	1300SC0031	WRZ Name	Rathmore	Study Area	H	Study Group		Local Authority	Kerry
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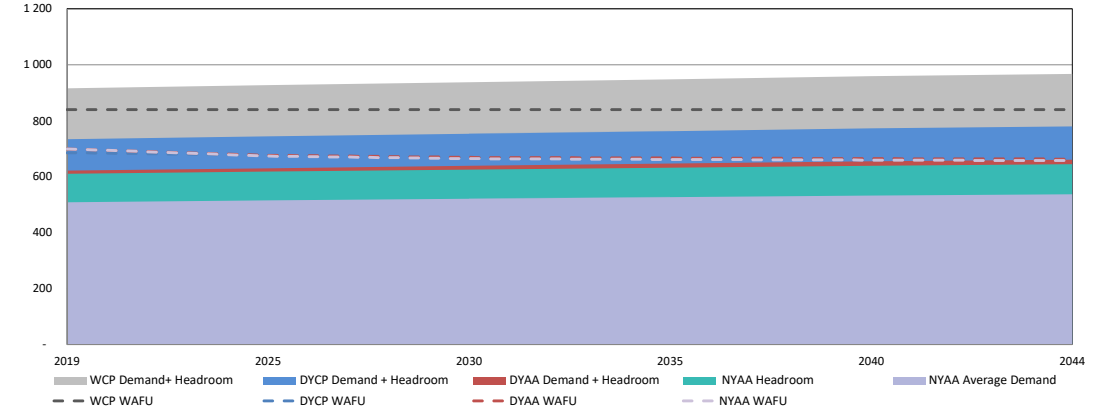
Base Demand in 2019	
Domestic Demand (m ³ /day)	193
Non-Domestic Demand (m ³ /day)	92
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	214
Demand (m³/day)	509

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	509	102	611	622	734	916
2025	515	103	618	630	744	927
2030	521	104	625	638	753	938
2035	527	105	632	647	763	948
2040	533	107	639	655	772	959
2044	538	108	645	661	780	968

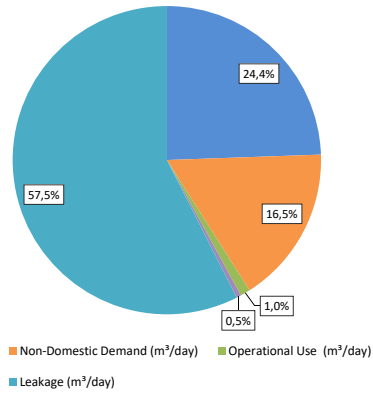
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000659	Rathmore WTP	840	700	770	No Licence	684	Yield	663	-	663	Significant Reduction
TOTAL		840	700	770	-	684		663	-	663	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	700	700	686	840	89	78	48	76
2025	674	677	677	840	56	47	67	87
2030	665	669	669	840	40	31	84	98
2035	662	667	667	840	30	21	96	108
2040	660	665	665	840	20	10	107	119
2044	658	663	663	840	13	3	117	128

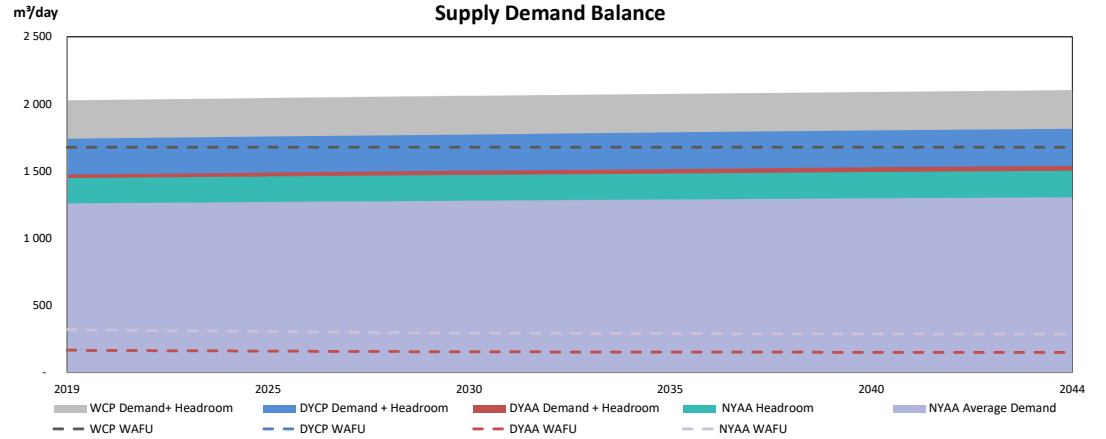
WRZ CODE	1300SC0032	WRZ Name	Cahersiveen	Study Area	H	Study Group		Local Authority	Kerry
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Base Demand in 2019	
Domestic Demand (m ³ /day)	308
Non-Domestic Demand (m ³ /day)	208
Operational Use (m ³ /day)	13
Apparent Losses (m ³ /day)	6
Leakage (m ³ /day)	724
Demand (m³/day)	1 259

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 259	189	1 448	1 475	1 740	2 027
2025	1 270	190	1 460	1 490	1 758	2 044
2030	1 279	192	1 471	1 502	1 773	2 060
2035	1 289	193	1 482	1 515	1 788	2 075
2040	1 298	195	1 493	1 529	1 803	2 090
2044	1 306	196	1 502	1 538	1 815	2 102

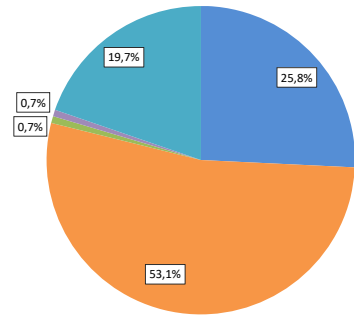
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000575	Cahersiveen WTP	1 680	1 400	1 540	1 000	156	Yield	151	-	151	
TOTAL		1 680	1 400	1 540	1 000	156		151	-	151	

Year	WAFU					Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WAFU (m ³ /day)
2019	320	167	167	1 680	1 128	1 308	1 573	347	151	151
2025	306	161	161	1 680	1 154	1 329	1 597	364	151	151
2030	295	155	155	1 680	1 176	1 347	1 618	380	151	151
2035	292	154	154	1 680	1 190	1 362	1 635	395	151	151
2040	289	152	152	1 680	1 204	1 376	1 651	410	151	151
2044	286	151	151	1 680	1 216	1 387	1 664	422	151	151

WRZ CODE	1400SC004	WRZ Name	Ardcarraig Clogherinkoe	Study Area	4	Study Group		Local Authority	Kildare
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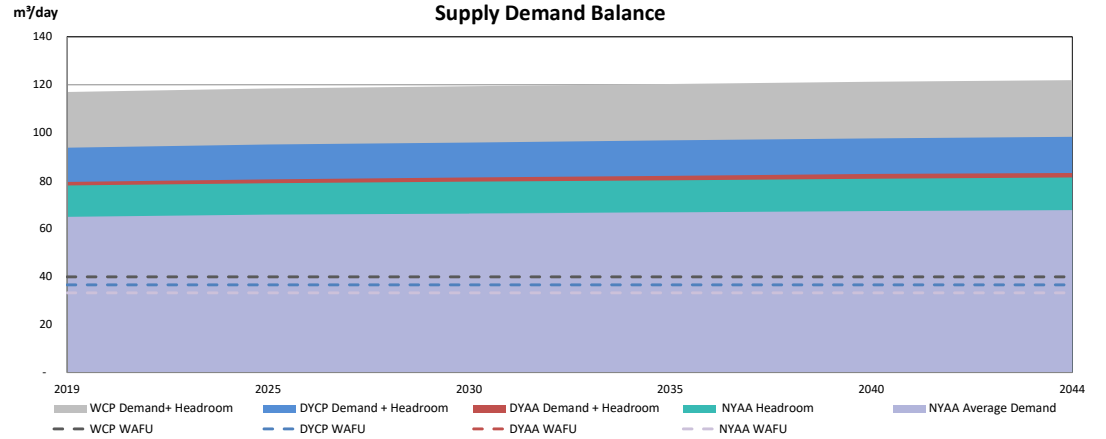
Base Demand in 2019	
Domestic Demand (m ³ /day)	17
Non-Domestic Demand (m ³ /day)	35
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	13
Demand (m³/day)	65

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	65	13	78	79	94	117
2025	66	13	79	81	95	118
2030	66	13	80	81	96	119
2035	67	13	80	82	97	120
2040	67	13	81	83	98	121
2044	68	14	81	83	98	122

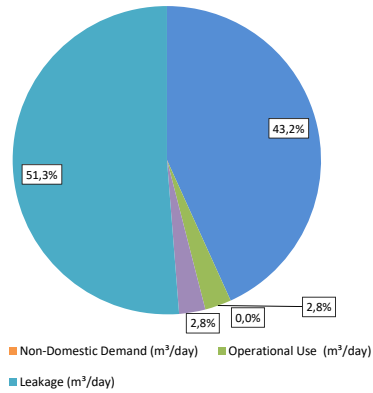
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000043	Ardcarraig WTP	40	33	37	No Licence	38	22Hr	37	-	37	
TOTAL		40	33	37	-	38		37	-	37	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	33	33	37	40	45	46	57	77	45	46	57	77
2025	33	33	37	40	46	47	58	78	46	47	58	78
2030	33	33	37	40	46	48	59	79	46	48	59	79
2035	33	33	37	40	47	49	60	80	47	49	60	80
2040	33	33	37	40	48	49	61	81	48	49	61	81
2044	33	33	37	40	48	50	62	82	48	50	62	82

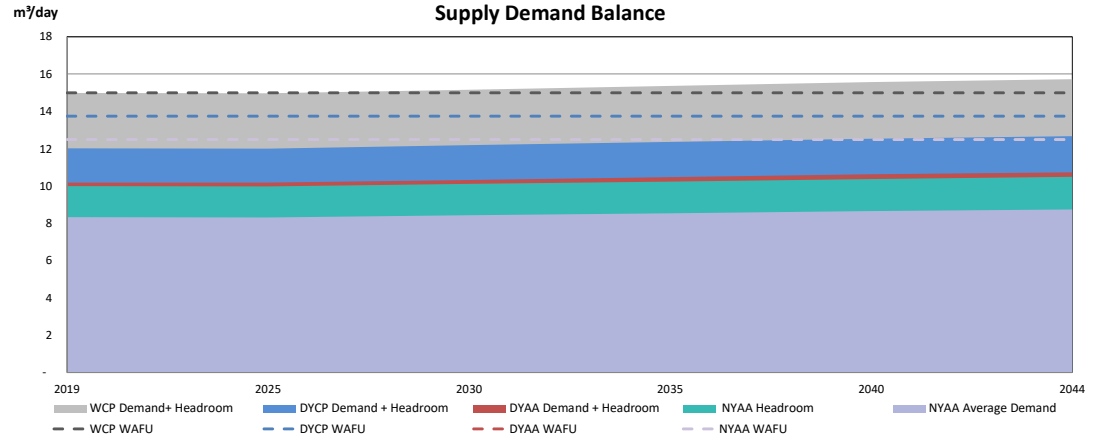
WRZ CODE	1400SC0005	WRZ Name	Clonuff	Study Area	4	Study Group		Local Authority	Kildare
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Base Demand in 2019	
Domestic Demand (m ³ /day)	4
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	4
Demand (m³/day)	8

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	2	10	10	12	15
2025	8	2	10	10	12	15
2030	8	2	10	10	12	15
2035	9	2	10	10	12	15
2040	9	2	10	11	13	16
2044	9	2	10	11	13	16

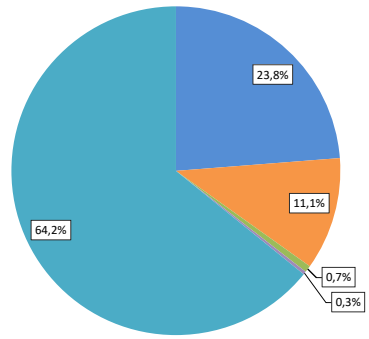
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000537	Clonuff Borehole WTP	15	13	14	No Licence	14	22Hr	14	-	14	
TOTAL		15	13	14	-	14		14	-	14	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	13	13	14	15	3	2	2	0
2025	13	13	14	15	3	2	2	0
2030	13	13	14	15	2	2	2	0
2035	13	13	14	15	2	2	1	0
2040	13	13	14	15	2	2	1	1
2044	13	13	14	15	2	2	1	1

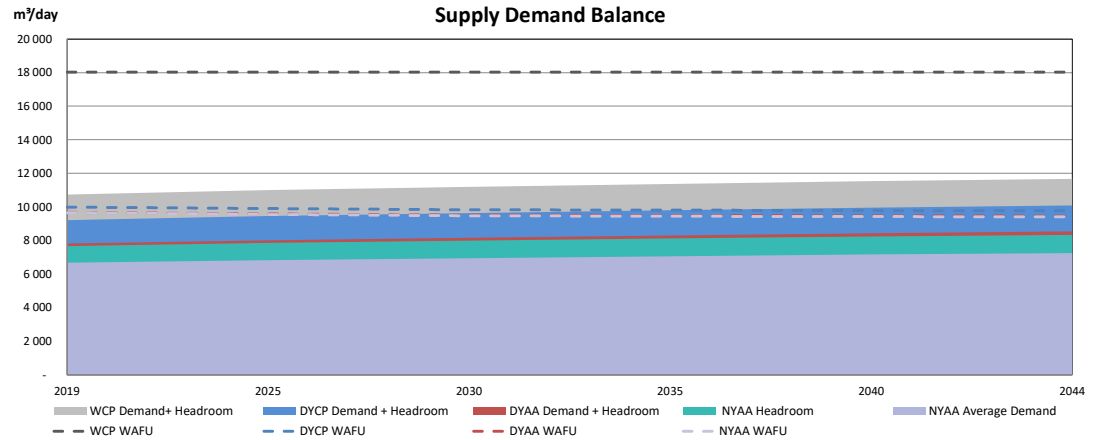
WRZ CODE	1500SC0001	WRZ Name	South Kilkenny	Study Area	K	Study Group		Local Authority	Kilkenny
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 586
Non-Domestic Demand (m ³ /day)	741
Operational Use (m ³ /day)	44
Apparent Losses (m ³ /day)	22
Leakage (m ³ /day)	4 283
Demand (m³/day)	6 675

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	6 675	1 001	7 676	7 820	9 227	10 747
2025	6 839	1 026	7 865	8 023	9 467	11 011
2030	6 958	1 044	8 001	8 172	9 642	11 202
2035	7 065	1 060	8 125	8 309	9 804	11 375
2040	7 173	1 076	8 250	8 446	9 964	11 549
2044	7 260	1 089	8 349	8 548	10 092	11 688

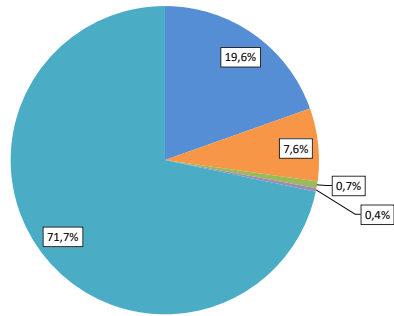
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000189	Mooncoin (Clonassy) WTP	3 800	3 167	3 483	No Licence	8 945	22Hr	3 483	-	3 483	
WTP0000257	Mullinabro WTP	15 000	12 500	13 750	No Licence	6 705	Yield	6 638	332	6 306	
TOTAL		18 800	15 667	17 233	-	15 649		10 121	-	332	9 789

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	9 681	9 692	10 008	18 050	2 005	1 872	781	7 303			
2025	9 576	9 604	9 920	18 050	1 712	1 581	453	7 039			
2030	9 490	9 531	9 847	18 050	1 488	1 359	205	6 848			
2035	9 464	9 509	9 825	18 050	1 338	1 200	22	6 675			
2040	9 440	9 488	9 805	18 050	1 190	1 043	159	6 501			
2044	9 421	9 472	9 789	18 050	1 072	925	303	6 362			

WRZ CODE	1500SC0002	WRZ Name	Glenmore PWS	Study Area	L	Study Group	Local Authority	Kilkenny
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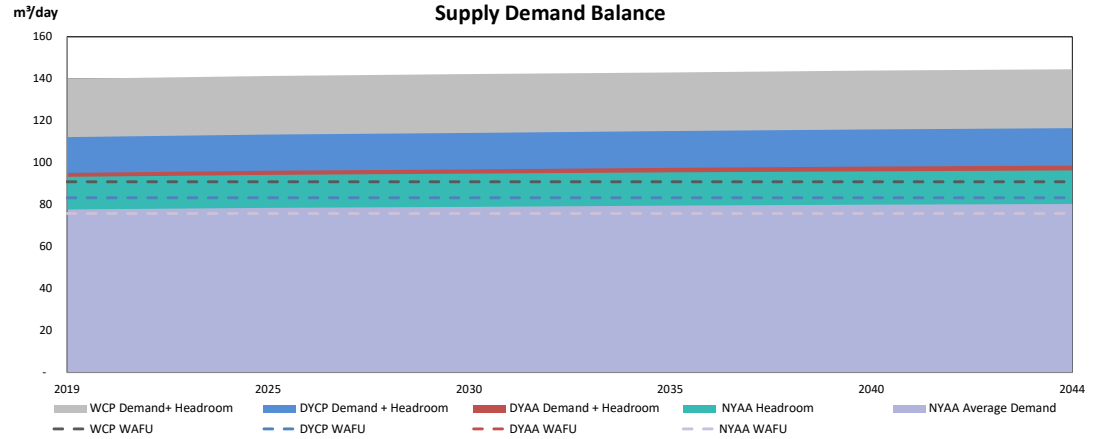
Base Demand in 2019	
Domestic Demand (m ³ /day)	15
Non-Domestic Demand (m ³ /day)	6
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	56
Demand (m³/day)	78

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	78	16	93	95	112	140
2025	79	16	94	96	113	141
2030	79	16	95	97	114	142
2035	79	16	95	98	115	143
2040	80	16	96	98	116	144
2044	80	16	96	99	117	145

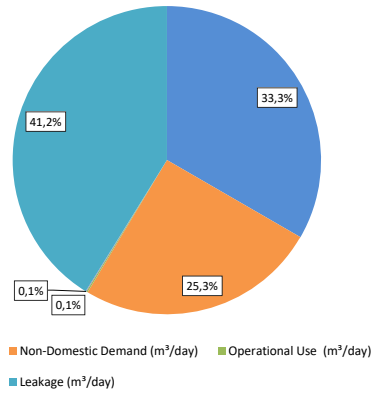
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000427	Glenmore WTP	91	76	83	No Licence	766	22Hr	83	-	83	
TOTAL		91	76	83	-	766		83	-	83	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	76	76	83	91	17	19	29	49	
2025	76	76	83	91	18	20	30	50	
2030	76	76	83	91	19	21	31	51	
2035	76	76	83	91	20	22	32	52	
2040	76	76	83	91	20	22	32	53	
2044	76	76	83	91	21	23	33	54	

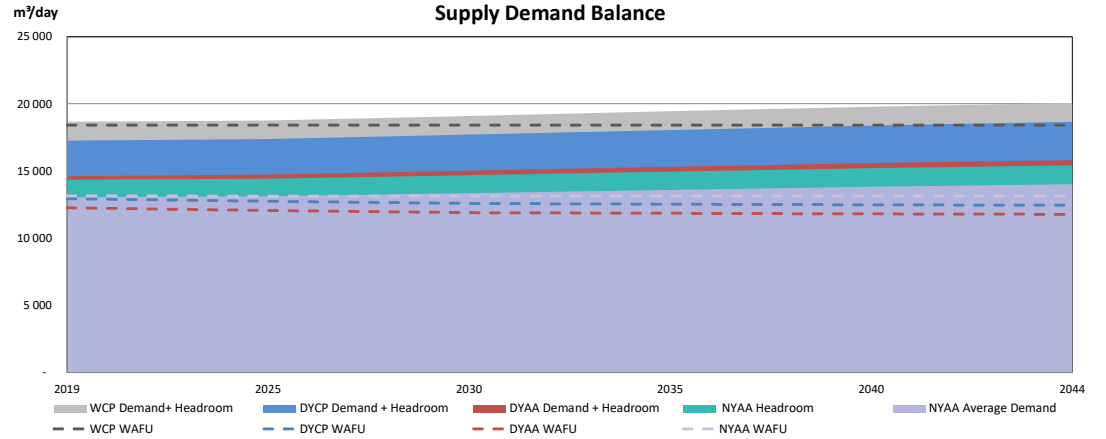
WRZ CODE	1500SC0003	WRZ Name	Kilkenny City & Bennettsbridge	Study Area	L	Study Group	Local Authority	Kilkenny
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Base Demand in 2019	
Domestic Demand (m ³ /day)	4 348
Non-Domestic Demand (m ³ /day)	3 301
Operational Use (m ³ /day)	18
Apparent Losses (m ³ /day)	9
Leakage (m ³ /day)	5 376
Demand (m³/day)	13 052

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	13 052	1 305	14 358	14 627	17 258	18 665
2025	13 127	1 313	14 440	14 731	17 381	18 772
2030	13 367	1 337	14 704	15 017	17 720	19 115
2035	13 607	1 361	14 967	15 305	18 059	19 457
2040	13 846	1 385	15 231	15 594	18 396	19 800
2044	14 038	1 404	15 442	15 810	18 665	20 074

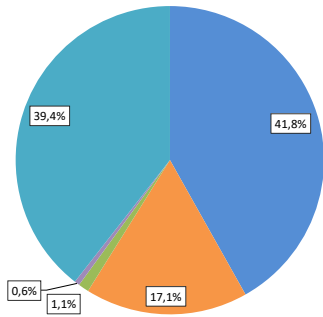
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001115	Kilmaganny WTP	160	133	147	No Licence	153	22Hr	147	-	147	
WTP0000301	Bennettsbridge WTP	3 280	2 733	3 007	No Licence	527	Yield	511	-	511	Significant Reduction
WTP0000645	Radestown WTP	7 000	5 833	6 417	No Licence	4 619	Yield	4 480	-	4 480	Critical - Low Flow Intervention
WTP0000041	Troyswood WTP	8 000	6 667	7 333	19 090	133 480	22Hr	7 333	-	7 333	Significant Reduction
TOTAL		18 440	15 367	16 903		19 090		12 471	-	12 471	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	13 161	12 280	12 960	18 440	1 196	2 346	4 298	225	
2025	13 153	12 084	12 764	18 440	1 287	2 646	4 617	332	
2030	13 146	11 921	12 601	18 440	1 558	3 096	5 119	675	
2035	13 144	11 872	12 552	18 440	1 824	3 433	5 507	1 017	
2040	13 142	11 827	12 507	18 440	2 089	3 767	5 889	1 360	
2044	13 140	11 791	12 471	18 440	2 302	4 018	6 194	1 634	

WRZ CODE	1500SC0005	WRZ Name	Callan PWS	Study Area	K	Study Group	Local Authority	Kilkenny
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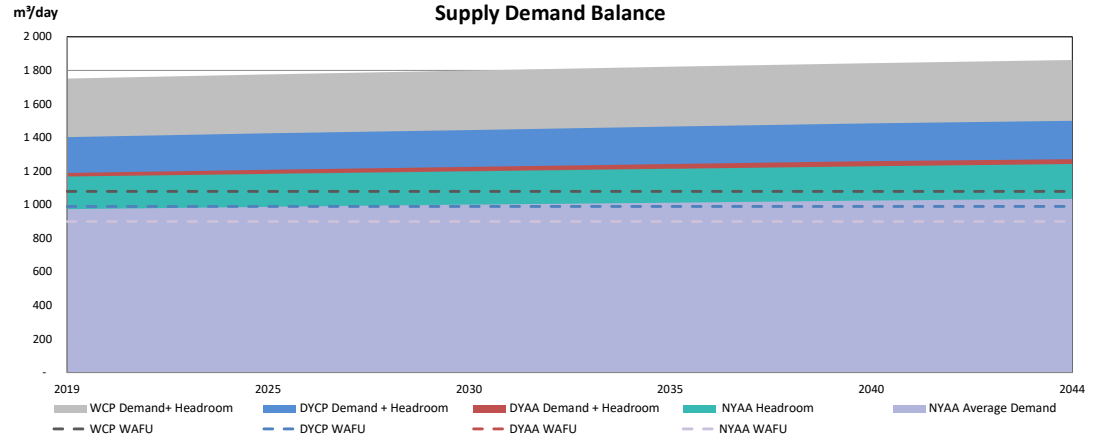
Base Demand in	2019
Domestic Demand (m ³ /day)	407
Non-Domestic Demand (m ³ /day)	166
Operational Use (m ³ /day)	11
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	384
Demand (m³/day)	973

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	973	195	1167	1189	1403	1751
2025	987	197	1184	1208	1425	1776
2030	999	200	1199	1225	1445	1799
2035	1012	202	1214	1242	1465	1821
2040	1024	205	1229	1259	1485	1844
2044	1034	207	1241	1271	1501	1862

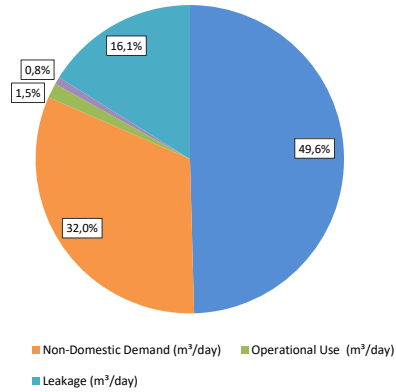
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000392	Callan WTP	1080	900	990	No Licence	1034	22Hr	990	-	990	
TOTAL		1080	900	990	-	1034		990	-	990	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	900	900	990	1080	267	289	413	671	900	900	990
2025	900	900	990	1080	284	308	435	696	900	900	990
2030	900	900	990	1080	299	325	455	719	900	900	990
2035	900	900	990	1080	314	342	475	741	900	900	990
2040	900	900	990	1080	329	359	495	764	900	900	990
2044	900	900	990	1080	341	371	511	782	900	900	990

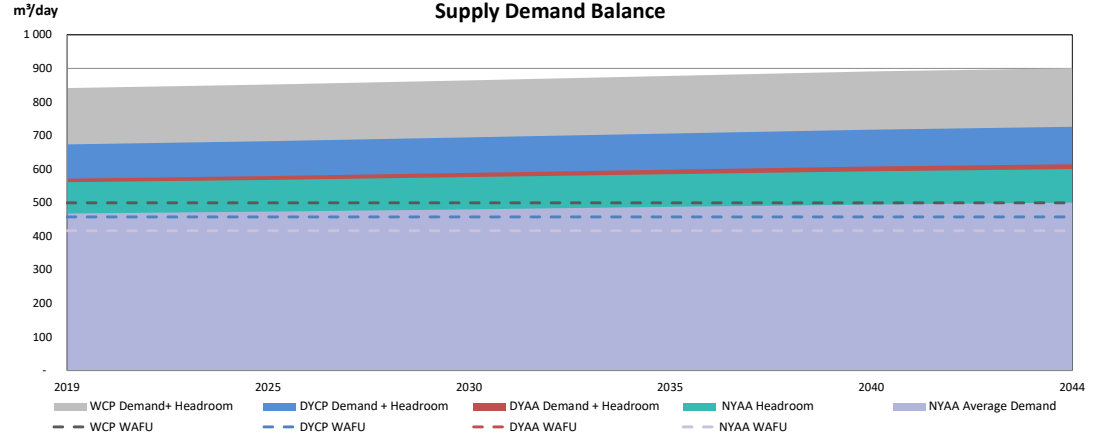
WRZ CODE	1500SC0006	WRZ Name	Urlingford-Johnstown PWS	Study Area	6	Study Group		Local Authority	Kilkenny
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Base Demand in 2019	
Domestic Demand (m ³ /day)	232
Non-Domestic Demand (m ³ /day)	150
Operational Use (m ³ /day)	7
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	75
Demand (m³/day)	467

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	467	93	561	571	674	841
2025	473	95	568	579	684	852
2030	480	96	577	589	695	865
2035	488	98	585	598	706	878
2040	495	99	594	608	717	891
2044	501	100	601	615	726	901

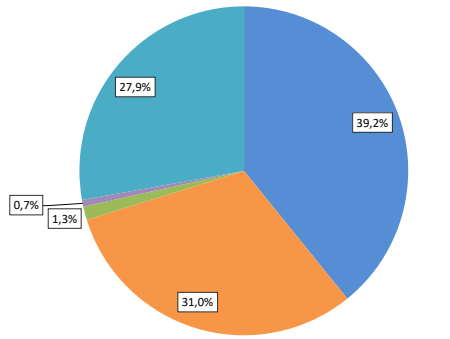
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000196	Mountfinn WTP	500	417	458	No Licence	847	22Hr	458	-	458	
TOTAL		500	417	458	-	847		458	-	458	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	417	417	458	500	144	155	216	341		
2025	417	417	458	500	151	163	225	352		
2030	417	417	458	500	160	172	236	365		
2035	417	417	458	500	168	182	248	378		
2040	417	417	458	500	177	191	259	391		
2044	417	417	458	500	184	198	268	401		

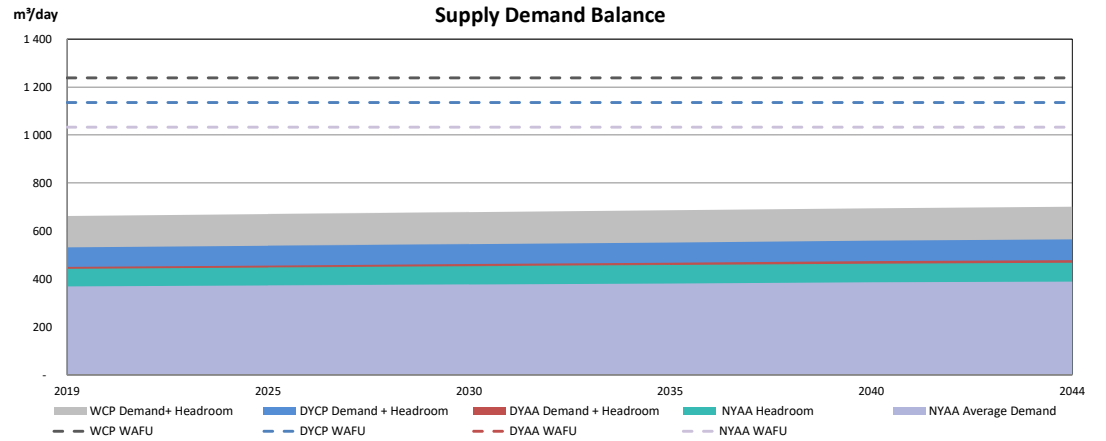
WRZ CODE	1500SC0007	WRZ Name	Ballyragget PWS	Study Area	L	Study Group		Local Authority	Kilkenny
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Base Demand in	2019
Domestic Demand (m ³ /day)	144
Non-Domestic Demand (m ³ /day)	114
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	103
Demand (m³/day)	369

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	369	74	442	451	532	663
2025	373	75	447	456	538	671
2030	377	75	453	462	545	679
2035	382	76	458	468	553	687
2040	386	77	463	474	560	695
2044	390	78	468	479	565	701

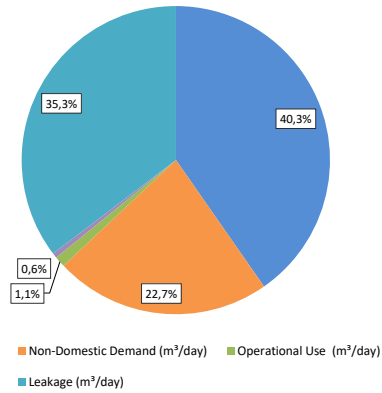
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000275	Ballyragget WTP	1 240	1 033	1 137	No Licence	1 188	22Hr	1 137	-	1 137	
TOTAL		1 240	1 033	1 137	-	1 188		1 137	-	1 137	

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	1 033	1 033	1 137	1 240	591	583	605	577	591	583	605
2025	1 033	1 033	1 137	1 240	586	577	598	569	586	577	598
2030	1 033	1 033	1 137	1 240	581	571	591	561	581	571	591
2035	1 033	1 033	1 137	1 240	575	565	584	553	575	565	584
2040	1 033	1 033	1 137	1 240	570	559	577	545	570	559	577
2044	1 033	1 033	1 137	1 240	566	555	571	539	566	555	571

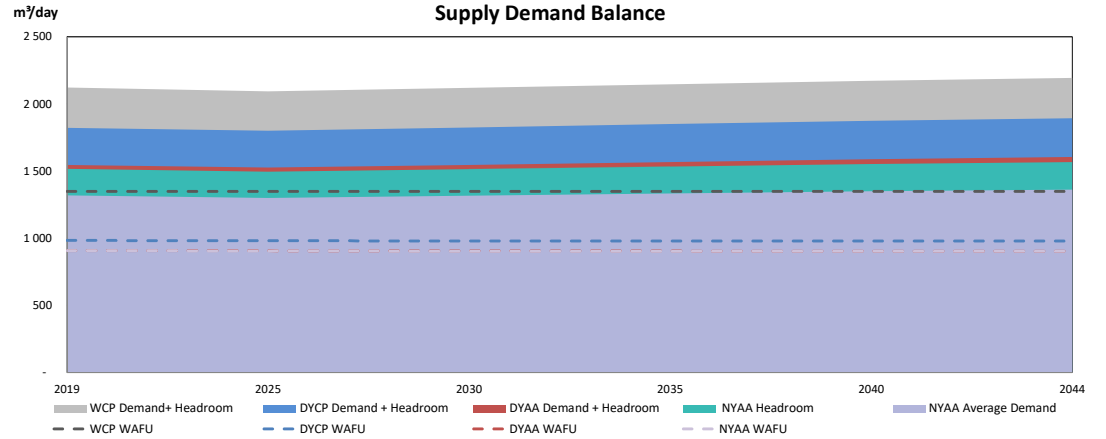
WRZ CODE	1500SC0009	WRZ Name	Clogh-Castlecomer	Study Area	6	Study Group		Local Authority	Kilkenny
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Base Demand in 2019	
Domestic Demand (m ³ /day)	531
Non-Domestic Demand (m ³ /day)	299
Operational Use (m ³ /day)	15
Apparent Losses (m ³ /day)	7
Leakage (m ³ /day)	466
Demand (m³/day)	1 319

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 319	198	1 516	1 545	1 823	2 123
2025	1 300	195	1 495	1 526	1 800	2 094
2030	1 317	198	1 514	1 547	1 825	2 120
2035	1 333	200	1 533	1 568	1 850	2 147
2040	1 350	202	1 552	1 589	1 875	2 173
2044	1 363	204	1 567	1 605	1 895	2 194

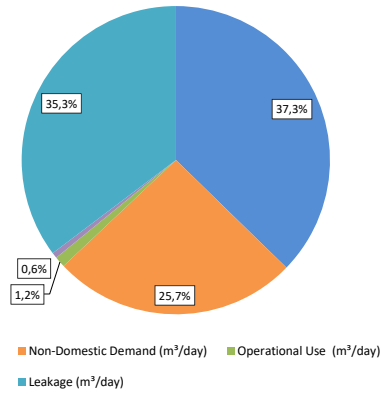
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000440	Gorteen WTP	200	167	183	No Licence	22	Yield	22	-	22	
WTP0000552	Nannys Well WTP	250	208	229	No Licence	134	Yield	133	-	133	Significant Reduction
WTP0000523	Clogh Castlecomer WTP	900	750	825	No Licence	2 268	22Hr	825	-	825	Critical - Low Flow Intervention
TOTAL		1 350	1 125	1 238	-	2 424		980	-	980	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	910	910	985	1 350	-	607	-	635	-	838	-	773
2025	907	908	983	1 350	-	588	-	618	-	817	-	744
2030	905	906	981	1 350	-	609	-	641	-	844	-	770
2035	904	905	980	1 350	-	629	-	662	-	870	-	797
2040	904	905	980	1 350	-	648	-	684	-	895	-	823
2044	903	905	980	1 350	-	664	-	700	-	915	-	844

WRZ CODE	1500SC0012	WRZ Name	Gowran-Goresbridge-	Study Area	L	Study Group	Local Authority	Kilkenny
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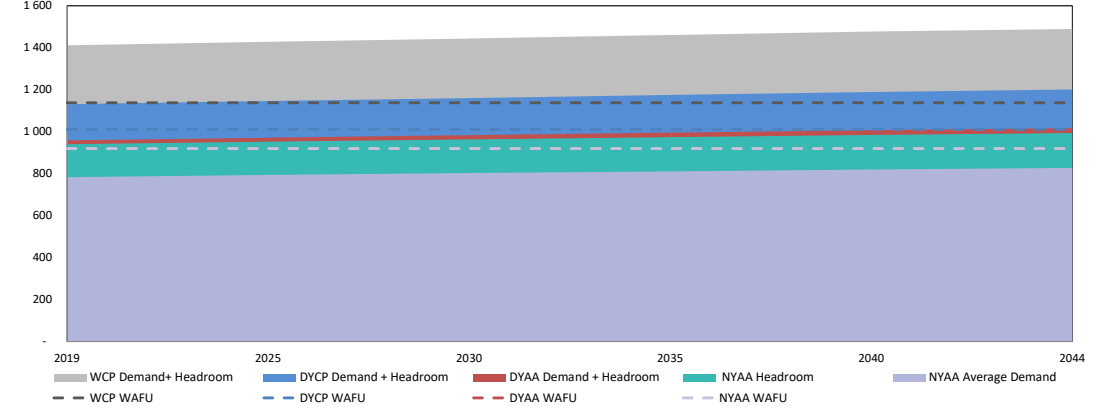
Base Demand in 2019	
Domestic Demand (m ³ /day)	292
Non-Domestic Demand (m ³ /day)	201
Operational Use (m ³ /day)	9
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	277
Demand (m³/day)	784

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	784	157	941	958	1 131	1 411
2025	793	159	952	971	1 146	1 428
2030	802	160	963	983	1 160	1 444
2035	812	162	974	996	1 175	1 461
2040	821	164	985	1 008	1 189	1 477
2044	828	166	993	1 017	1 201	1 490

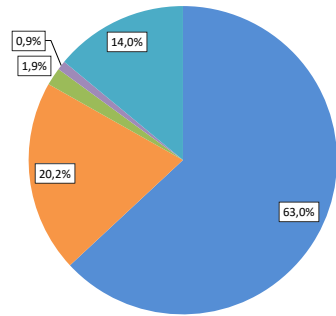
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000039	Choiil Rua WTP	39	33	36	No Licence	4	Yield	4	-	4	
WTP0000502	Gowran Goresbridge Paulstown V	1 100	917	1 008	No Licence	1 054	22Hr	1 008	-	1 008	
TOTAL		1 139	949	1 044	-	1 057		1 012	-	1 012	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	921	921	1 012	1 139	-	20	-	38	-	272
2025	921	921	1 012	1 139	-	32	-	51	-	289
2030	920	920	1 012	1 139	-	42	-	63	-	305
2035	920	920	1 012	1 139	-	53	-	75	-	322
2040	920	920	1 012	1 139	-	64	-	88	-	338
2044	920	920	1 012	1 139	-	73	-	97	-	351

WRZ CODE	1500SC0013	WRZ Name	Graiguenamanagh PWS	Study Area	L	Study Group		Local Authority	Kilkenny
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Base Demand in 2019	
Domestic Demand (m ³ /day)	234
Non-Domestic Demand (m ³ /day)	75
Operational Use (m ³ /day)	7
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	52
Demand (m³/day)	371

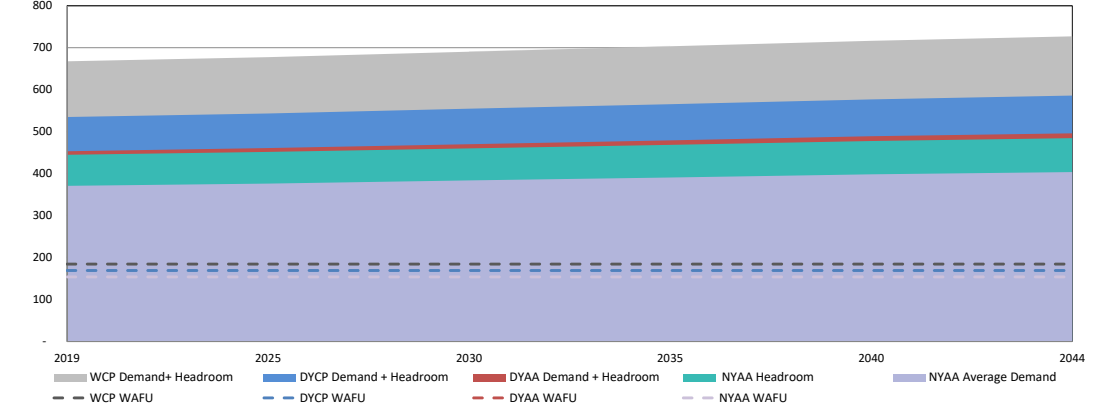
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	371	74	445	454	535	668
2025	376	75	452	461	544	678
2030	384	77	460	470	555	691
2035	391	78	469	480	566	704
2040	398	80	478	489	577	717
2044	404	81	485	496	586	727

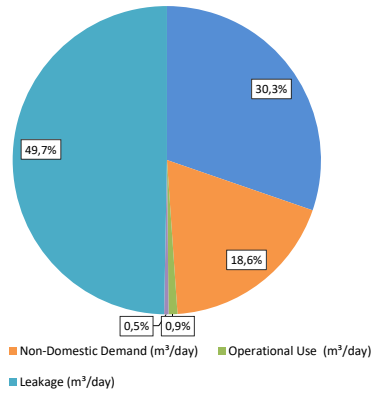
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000450	Graiguenamanagh (Coolroe) WTP	185	154	170	No Licence	2 375	22Hr	170	-	170	Significant Reduction
TOTAL		185	154	170	-	2 375		170	-	170	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	154	154	170	185	-	291	-	299	-	366	-	483
2025	154	154	170	185	-	298	-	307	-	374	-	493
2030	154	154	170	185	-	306	-	316	-	385	-	506
2035	154	154	170	185	-	315	-	325	-	396	-	519
2040	154	154	170	185	-	324	-	335	-	407	-	532
2044	154	154	170	185	-	331	-	342	-	416	-	542

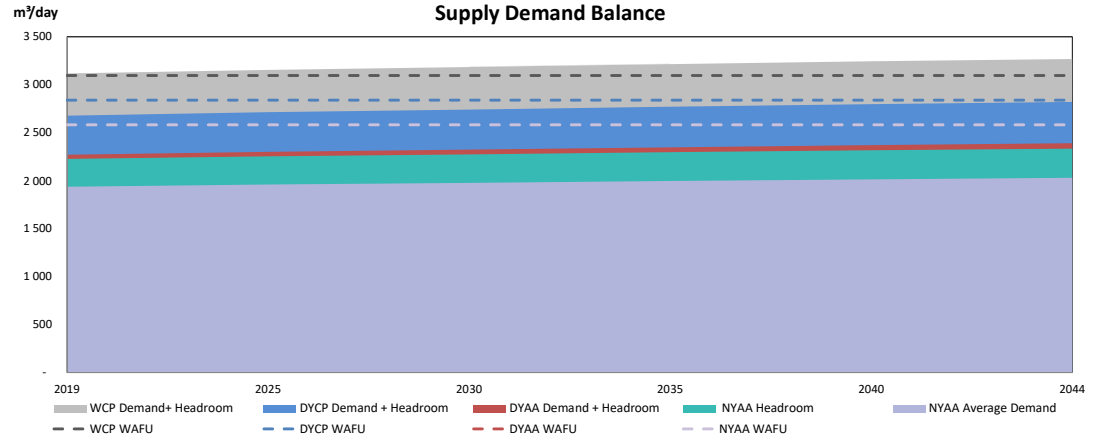
WRZ CODE	1500SC0017	WRZ Name	Thomastown / Inistioge	Study Area	L	Study Group	Local Authority	Kilkenny
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Base Demand in 2019	
Domestic Demand (m ³ /day)	586
Non-Domestic Demand (m ³ /day)	361
Operational Use (m ³ /day)	18
Apparent Losses (m ³ /day)	9
Leakage (m ³ /day)	963
Demand (m³/day)	1 938

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 938	291	2 228	2 270	2 678	3 119
2025	1 960	294	2 254	2 300	2 714	3 156
2030	1 979	297	2 275	2 324	2 742	3 186
2035	1 997	300	2 296	2 348	2 771	3 215
2040	2 015	302	2 317	2 372	2 799	3 244
2044	2 029	304	2 334	2 389	2 821	3 267

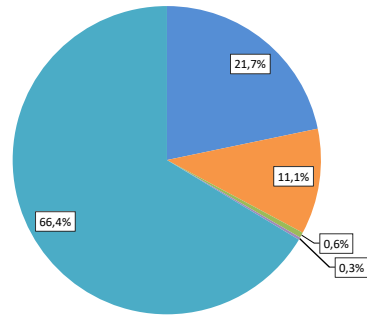
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000482	Inistioge (Ballygub) WTP	600	500	550	No Licence	705	22Hr	550	-	550	Significant Reduction
WTP0000754	Thomastown WTP	2 500	2 083	2 292	No Licence	2 873	22Hr	2 292	-	2 292	
TOTAL		3 100	2 583	2 842	-	3 579		2 842	-	2 842	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	2 583	2 583	2 842	3 100	355	313	163	-	19
2025	2 583	2 583	2 842	3 100	329	283	128	-	56
2030	2 583	2 583	2 842	3 100	308	259	100	-	86
2035	2 583	2 583	2 842	3 100	287	235	71	-	115
2040	2 583	2 583	2 842	3 100	266	211	43	-	144
2044	2 583	2 583	2 842	3 100	249	194	21	-	167

WRZ CODE	1500SC0018	WRZ Name	Galmoy Rathdowney PWS	Study Area	6	Study Group		Local Authority	Kilkenny
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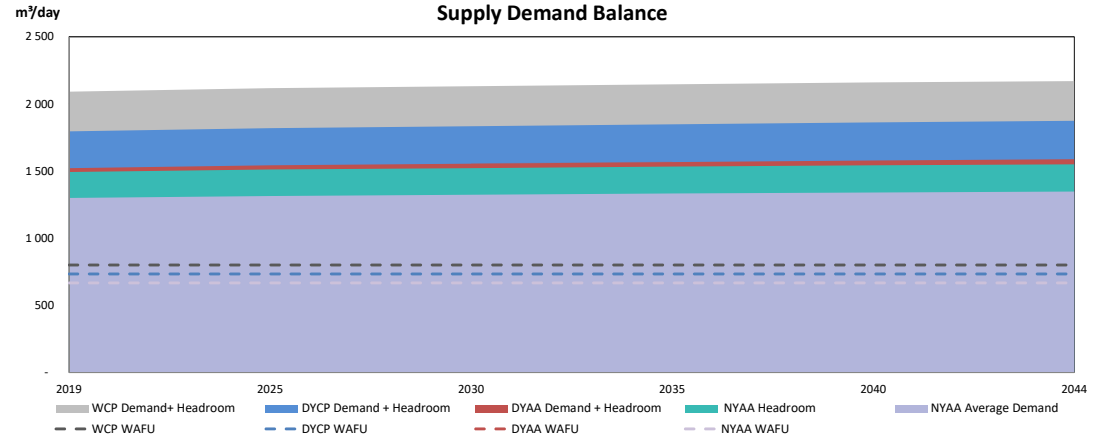
Base Demand in 2019	
Domestic Demand (m ³ /day)	282
Non-Domestic Demand (m ³ /day)	144
Operational Use (m ³ /day)	7
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	862
Demand (m³/day)	1 299

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 299	195	1 494	1 522	1 796	2 092
2025	1 315	197	1 513	1 543	1 821	2 118
2030	1 324	199	1 523	1 555	1 835	2 132
2035	1 333	200	1 533	1 568	1 850	2 146
2040	1 342	201	1 543	1 580	1 864	2 160
2044	1 349	202	1 551	1 588	1 875	2 171

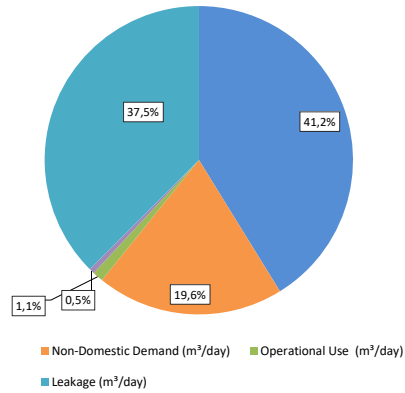
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000005	Gloscha / Galmoy WTP	803	669	736	No Licence	744	22Hr	736	-	736	
TOTAL		803	669	736	-	744		736	-	736	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	669	669	736	803	825	853	1 060	1 289
2025	669	669	736	803	844	874	1 085	1 315
2030	669	669	736	803	854	886	1 099	1 329
2035	669	669	736	803	864	898	1 114	1 343
2040	669	669	736	803	874	911	1 128	1 357
2044	669	669	736	803	882	919	1 139	1 368

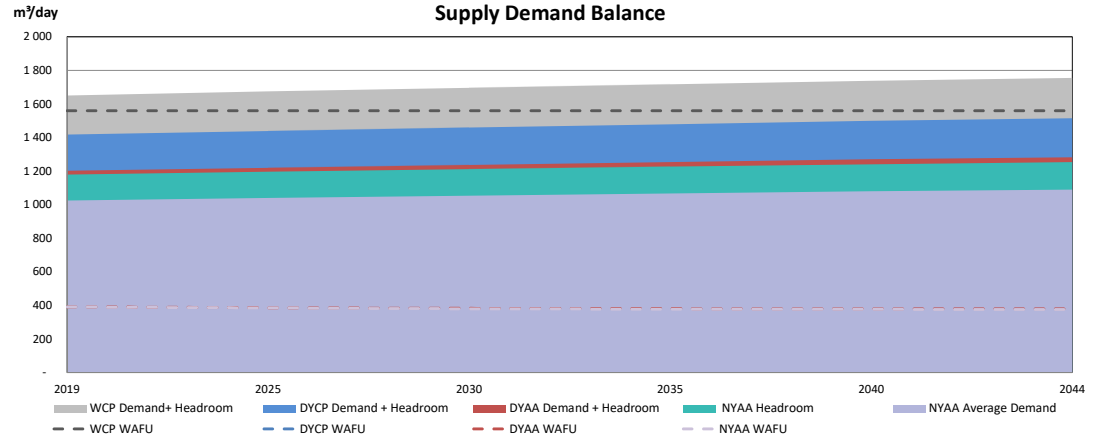
WRZ CODE	1500SC0019	WRZ Name	Piltown-Fiddown	Study Area	K	Study Group	Local Authority	Kilkenny
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Base Demand in 2019	
Domestic Demand (m ³ /day)	422
Non-Domestic Demand (m ³ /day)	202
Operational Use (m ³ /day)	11
Apparent Losses (m ³ /day)	6
Leakage (m ³ /day)	385
Demand (m³/day)	1 026

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 026	154	1 179	1 201	1 418	1 651
2025	1 040	156	1 196	1 220	1 440	1 674
2030	1 053	158	1 211	1 237	1 460	1 696
2035	1 066	160	1 226	1 254	1 479	1 717
2040	1 079	162	1 241	1 271	1 499	1 738
2044	1 090	163	1 253	1 283	1 515	1 755

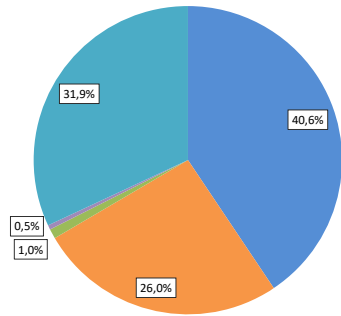
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001065	Jamestown WTP	1 560	1 300	1 430	No Licence	383	Yield	379	-	379	Demand > Safe Production Capacity
TOTAL		1 560	1 300	1 430	-	383		379	-	379	

Year	WAFU				Supply Demand Balance								
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	392	392	392	392	1 560	-	788	-	809	-	1 025	-	91
2025	386	387	387	387	1 560	-	810	-	833	-	1 052	-	114
2030	380	383	383	383	1 560	-	831	-	854	-	1 077	-	136
2035	379	381	381	381	1 560	-	847	-	872	-	1 098	-	157
2040	377	380	380	380	1 560	-	864	-	890	-	1 119	-	178
2044	376	379	379	379	1 560	-	877	-	904	-	1 136	-	195

WRZ CODE	1600SC0001	WRZ Name	Portlaoise	Study Area	6	Study Group		Local Authority	Laois
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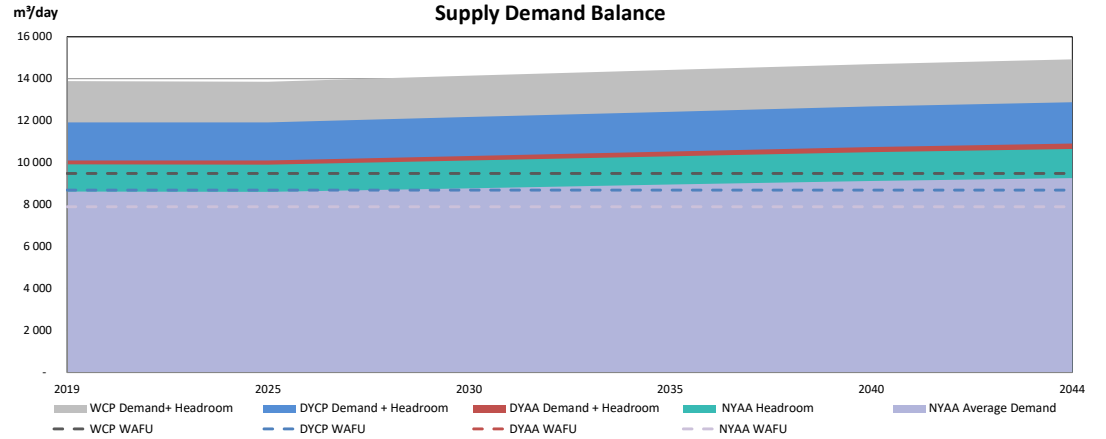
Base Demand in 2019	
Domestic Demand (m ³ /day)	3 501
Non-Domestic Demand (m ³ /day)	2 238
Operational Use (m ³ /day)	88
Apparent Losses (m ³ /day)	42
Leakage (m ³ /day)	2 754
Demand (m³/day)	8 624

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8 624	1 294	9 917	10 103	11 921	13 884
2025	8 612	1 292	9 904	10 104	11 922	13 866
2030	8 786	1 318	10 104	10 319	12 176	14 145
2035	8 959	1 344	10 303	10 535	12 431	14 424
2040	9 133	1 370	10 503	10 753	12 685	14 704
2044	9 271	1 391	10 662	10 916	12 888	14 927

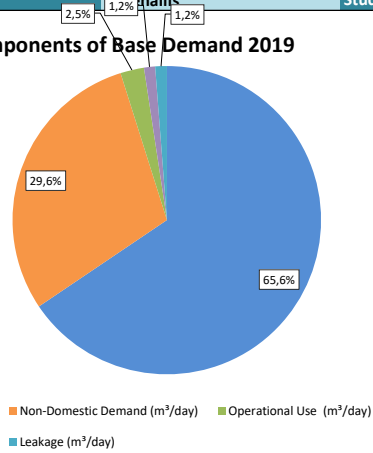
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000161	Meelick WTP	1 100	917	1 008	No Licence	1 149	22Hr	1 008	-	1 008	
WTP0001120	Kilminchy WTP	8 400	7 000	7 700	No Licence	8 049	22Hr	7 700	-	7 700	Significant Reduction
TOTAL		9 500	7 917	8 708	-	9 199		8 708	-	8 708	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	7 917	7 917	8 708	9 500	2 000	2 186	3 212	4 384			
2025	7 917	7 917	8 708	9 500	1 988	2 187	3 213	4 366			
2030	7 917	7 917	8 708	9 500	2 187	2 403	3 468	4 645			
2035	7 917	7 917	8 708	9 500	2 386	2 619	3 723	4 924			
2040	7 917	7 917	8 708	9 500	2 586	2 836	3 977	5 204			
2044	7 917	7 917	8 708	9 500	2 745	2 999	4 180	5 427			

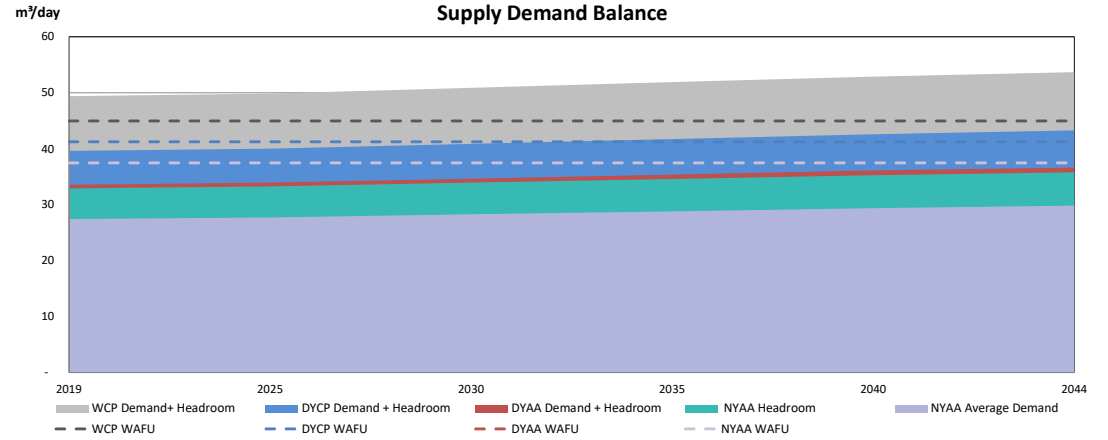
WRZ CODE	1600SC003	WRZ Name	Rosennallis	Study Area	6	Study Group		Local Authority	Laois
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Base Demand in 2019	
Domestic Demand (m ³ /day)	18
Non-Domestic Demand (m ³ /day)	8
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	0
Demand (m³/day)	27

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	27	5	33	34	40	49
2025	28	6	33	34	40	50
2030	28	6	34	35	41	51
2035	29	6	35	35	42	52
2040	29	6	35	36	43	53
2044	30	6	36	37	43	54

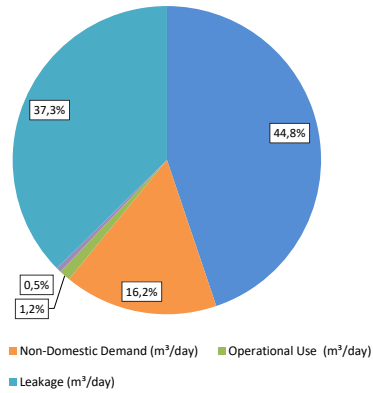
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000681	Rosennallis WTP	45	38	41	No Licence	43	22Hr	41	-	41	
TOTAL		45	38	41	-	43		41	-	41	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	38	38	41	45	5	4	2	4
2025	38	38	41	45	4	4	1	5
2030	38	38	41	45	4	3	0	6
2035	38	38	41	45	3	2	0	7
2040	38	38	41	45	2	1	1	8
2044	38	38	41	45	2	1	2	9

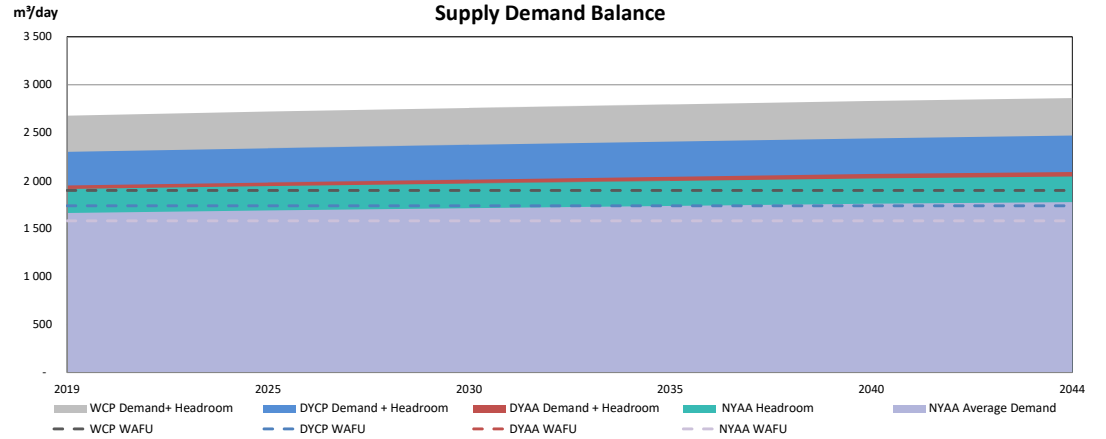
WRZ CODE	1600SC0004	WRZ Name	Mountmellick	Study Area	6	Study Group		Local Authority	Laois
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Base Demand in 2019	
Domestic Demand (m ³ /day)	745
Non-Domestic Demand (m ³ /day)	269
Operational Use (m ³ /day)	19
Apparent Losses (m ³ /day)	9
Leakage (m ³ /day)	622
Demand (m³/day)	1 664

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 664	250	1 914	1 950	2 301	2 680
2025	1 689	253	1 943	1 982	2 338	2 720
2030	1 712	257	1 969	2 011	2 373	2 757
2035	1 735	260	1 996	2 041	2 408	2 794
2040	1 759	264	2 022	2 071	2 443	2 831
2044	1 777	267	2 044	2 092	2 470	2 861

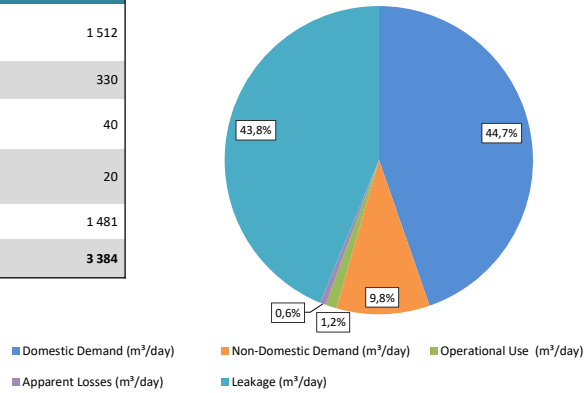
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000670	Derryguille WTP	1 900	1 583	1 742	No Licence	1 820	22Hr	1 742	-	1 742	
TOTAL		1 900	1 583	1 742	-	1 820		1 742	-	1 742	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 583	1 583	1 742	1 900	-	331	-	367	-	559	-	780
2025	1 583	1 583	1 742	1 900	-	359	-	398	-	597	-	820
2030	1 583	1 583	1 742	1 900	-	386	-	428	-	631	-	857
2035	1 583	1 583	1 742	1 900	-	412	-	457	-	666	-	894
2040	1 583	1 583	1 742	1 900	-	439	-	487	-	701	-	931
2044	1 583	1 583	1 742	1 900	-	460	-	509	-	729	-	961

WRZ CODE	1600SC0005	WRZ Name	Portarlinton	Study Area	6	Study Group		Local Authority	Laois
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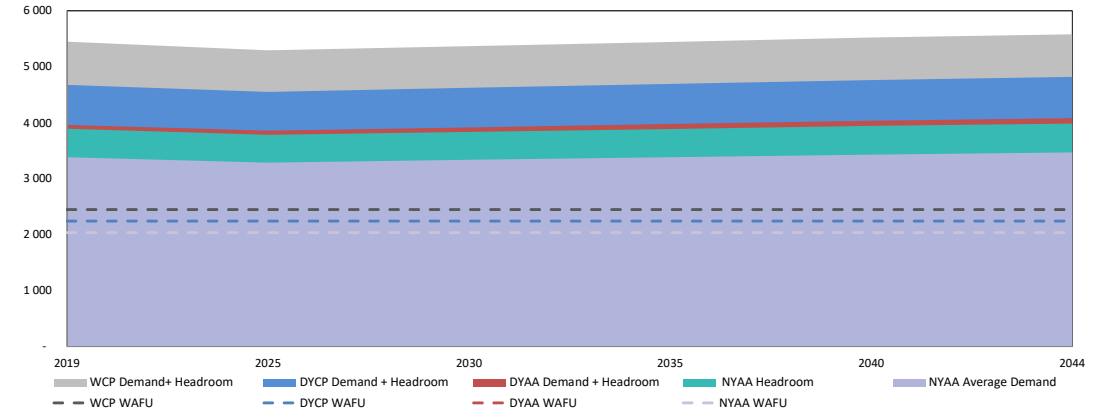
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 512
Non-Domestic Demand (m ³ /day)	330
Operational Use (m ³ /day)	40
Apparent Losses (m ³ /day)	20
Leakage (m ³ /day)	1 481
Demand (m³/day)	3 384

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 384	508	3 891	3 964	4 678	5 448
2025	3 289	493	3 782	3 858	4 552	5 295
2030	3 336	500	3 836	3 918	4 623	5 370
2035	3 382	507	3 890	3 978	4 693	5 446
2040	3 429	514	3 944	4 038	4 763	5 521
2044	3 467	520	3 987	4 082	4 819	5 581

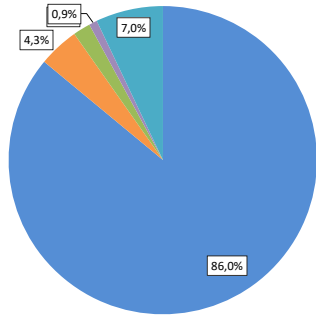
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000147	Lough WTP	1 150	958	1 054	No Licence	1 724	22Hr	1 054	-	1 054	Significant Reduction
WTP0001185	Le Bergerie WTP	1 300	1 083	1 192	No Licence	2 682	22Hr	1 192	-	1 192	
TOTAL		2 450	2 042	2 246	-	4 406		2 246	-	2 246	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)				
2019	2 042	2 042	2 246	2 450	-	1 850	-	1 923	-	2 432	-	2 998
2025	2 042	2 042	2 246	2 450	-	1 740	-	1 817	-	2 307	-	2 845
2030	2 042	2 042	2 246	2 450	-	1 794	-	1 876	-	2 377	-	2 920
2035	2 042	2 042	2 246	2 450	-	1 848	-	1 936	-	2 447	-	2 996
2040	2 042	2 042	2 246	2 450	-	1 902	-	1 996	-	2 517	-	3 071
2044	2 042	2 042	2 246	2 450	-	1 945	-	2 040	-	2 573	-	3 131

WRZ CODE	1600SC0006	WRZ Name	Arles	Study Area	6	Study Group		Local Authority	Laois
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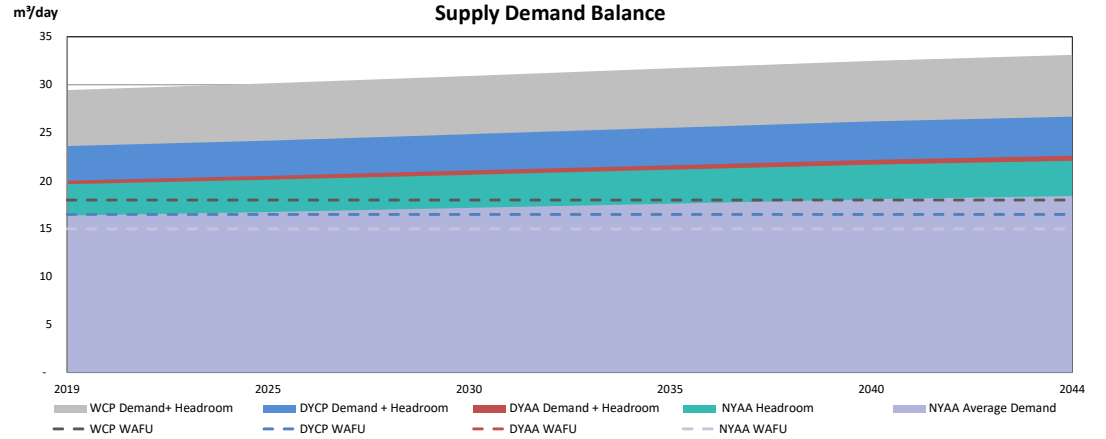
Base Demand in 2019	
Domestic Demand (m ³ /day)	14
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	1
Demand (m³/day)	16

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	16	3	20	20	24	29
2025	17	3	21	21	24	30
2030	17	3	21	21	25	31
2035	18	4	22	22	26	32
2040	18	4	22	22	26	32
2044	18	4	22	23	27	33

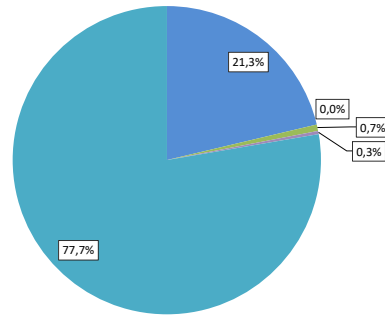
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000051	Arles WTP	18	15	17	No Licence	17	22Hr	17	-	17	
TOTAL		18	15	17	-	17		17	-	17	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	15	15	17	18	-	5	5	7	11
2025	15	15	17	18	-	5	6	8	12
2030	15	15	17	18	-	6	6	8	13
2035	15	15	17	18	-	6	7	9	14
2040	15	15	17	18	-	7	7	10	14
2044	15	15	17	18	-	7	8	10	15

WRZ CODE	1600SC0007	WRZ Name	The Strand	Study Area	6	Study Group		Local Authority	Laois
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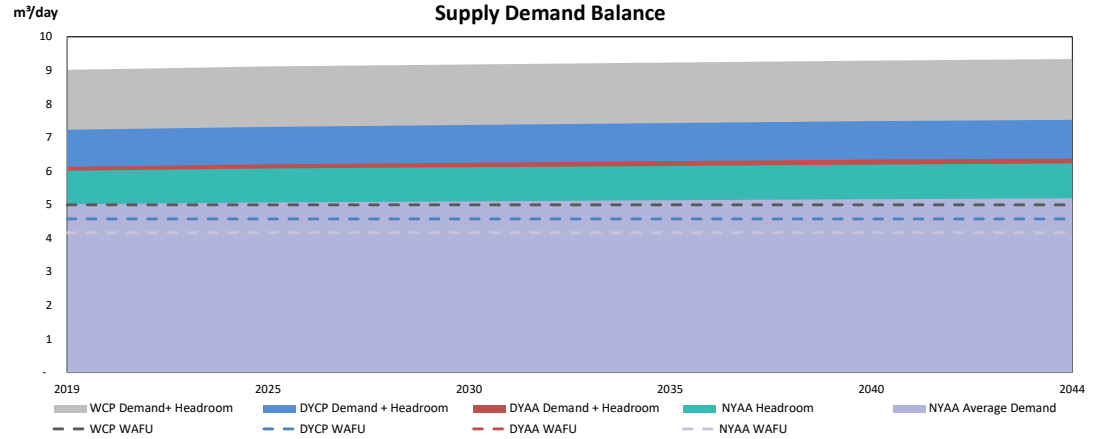
Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	4
Demand (m³/day)	5

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5	1	6	6	7	9
2025	5	1	6	6	7	9
2030	5	1	6	6	7	9
2035	5	1	6	6	7	9
2040	5	1	6	6	7	9
2044	5	1	6	6	8	9

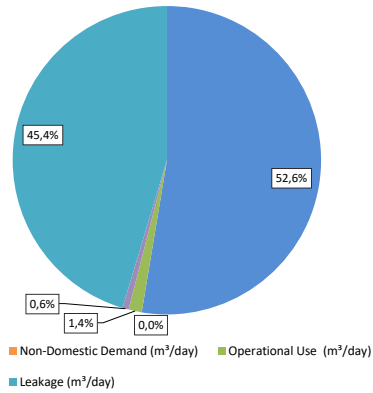
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000753	The Strand WTP	5	4	5	No Licence	5	22Hr	5	-	5	
TOTAL		5	4	5	-	5		5	-	5	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4	4	5	5	2	2	3	4
2025	4	4	5	5	2	2	3	4
2030	4	4	5	5	2	2	3	4
2035	4	4	5	5	2	2	3	4
2040	4	4	5	5	2	2	3	4
2044	4	4	5	5	2	2	3	4

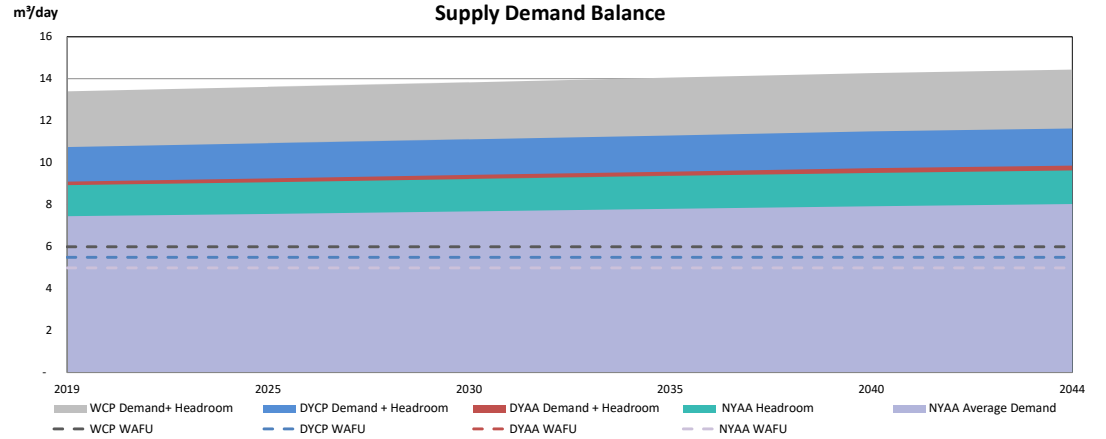
WRZ CODE	1600SC0008	WRZ Name	Coolenaugh PWS	Study Area	6	Study Group		Local Authority	Laois
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Base Demand in 2019	
Domestic Demand (m ³ /day)	4
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	3
Demand (m³/day)	7

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7	1	9	9	11	13
2025	8	2	9	9	11	14
2030	8	2	9	9	11	14
2035	8	2	9	10	11	14
2040	8	2	10	10	11	14
2044	8	2	10	10	12	14

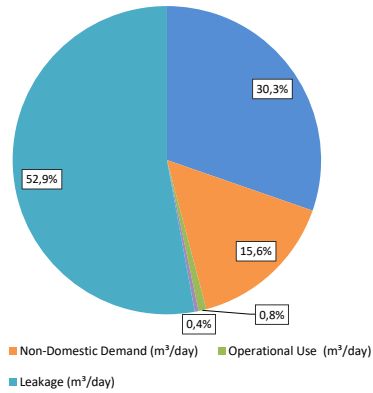
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000564	Coolenaugh WTP	6	5	6	No Licence	6	22Hr	6	-	6	
TOTAL		6	5	6	-	6		6	-	6	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5	5	6	6	4	4	5	7
2025	5	5	6	6	4	4	5	8
2030	5	5	6	6	4	4	6	8
2035	5	5	6	6	4	5	6	8
2040	5	5	6	6	5	5	6	8
2044	5	5	6	6	5	5	6	8

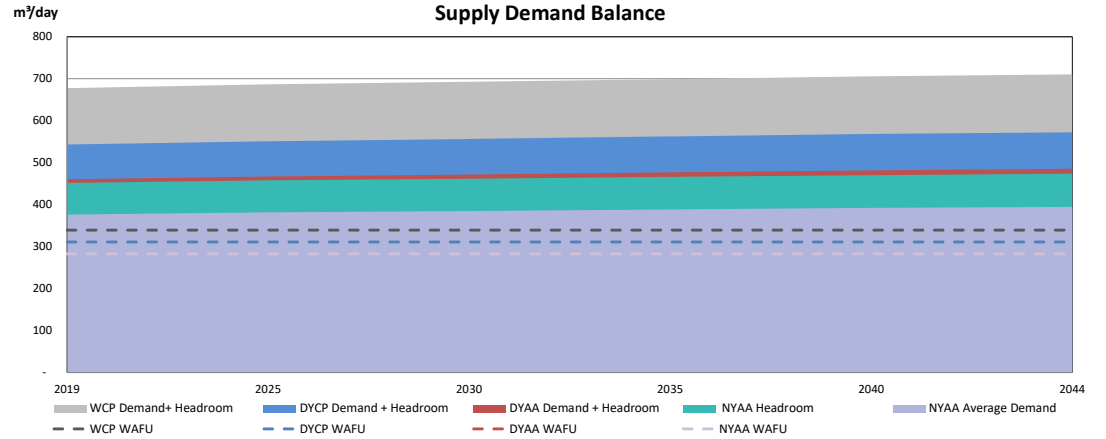
WRZ CODE	1600SC0010	WRZ Name	Borris In Ossory	Study Area	6	Study Group		Local Authority	Laois
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Base Demand in 2019	
Domestic Demand (m ³ /day)	114
Non-Domestic Demand (m ³ /day)	59
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	199
Demand (m³/day)	377

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	377	75	452	460	543	678
2025	381	76	458	467	551	687
2030	385	77	462	472	557	693
2035	389	78	466	477	563	699
2040	392	78	470	482	568	706
2044	395	79	474	485	573	711

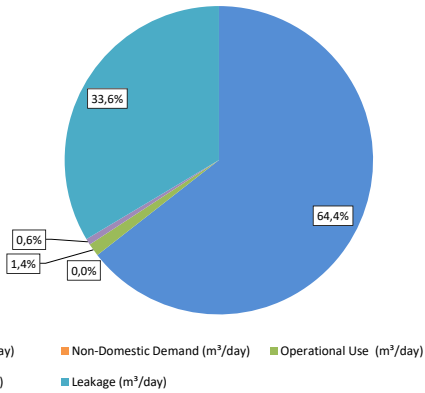
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000619	Donaghmore WTP	340	283	312	No Licence	326	22Hr	312	-	312	
TOTAL		340	283	312	-	326		312	-	312	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	283	283	312	340	169	177	232	338	169	177	232	338
2025	283	283	312	340	174	184	239	347	174	184	239	347
2030	283	283	312	340	179	189	245	353	179	189	245	353
2035	283	283	312	340	183	193	251	359	183	193	251	359
2040	283	283	312	340	187	198	257	366	187	198	257	366
2044	283	283	312	340	191	202	261	371	191	202	261	371

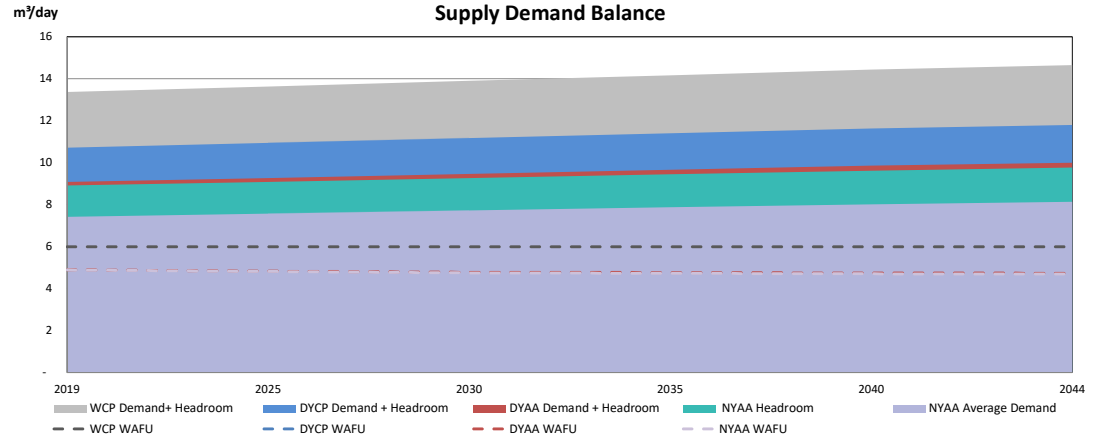
WRZ CODE	1600SC0011	WRZ Name	Camross PWS	Study Area	6	Study Group		Local Authority	Laois
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Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	2
Demand (m³/day)	7

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7	1	9	9	11	13
2025	8	2	9	9	11	14
2030	8	2	9	9	11	14
2035	8	2	9	10	11	14
2040	8	2	10	10	12	14
2044	8	2	10	10	12	15

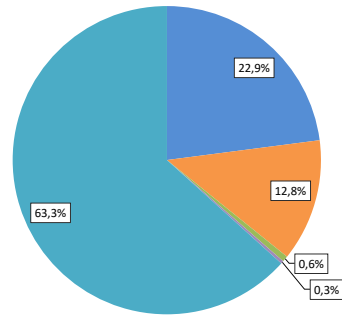
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000346	Camross WTP	6	5	6	No Licence	5	Yield	5	-	5	
TOTAL		6	5	6	-	5		5	-	5	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5	5	5	6	4	4	6	7
2025	5	5	5	6	4	4	6	8
2030	5	5	5	6	5	5	6	8
2035	5	5	5	6	5	5	7	8
2040	5	5	5	6	5	5	7	8
2044	5	5	5	6	5	5	7	9

WRZ CODE	1600SC0014	WRZ Name	South East Regional PWS	Study Area	6	Study Group		Local Authority	Laois
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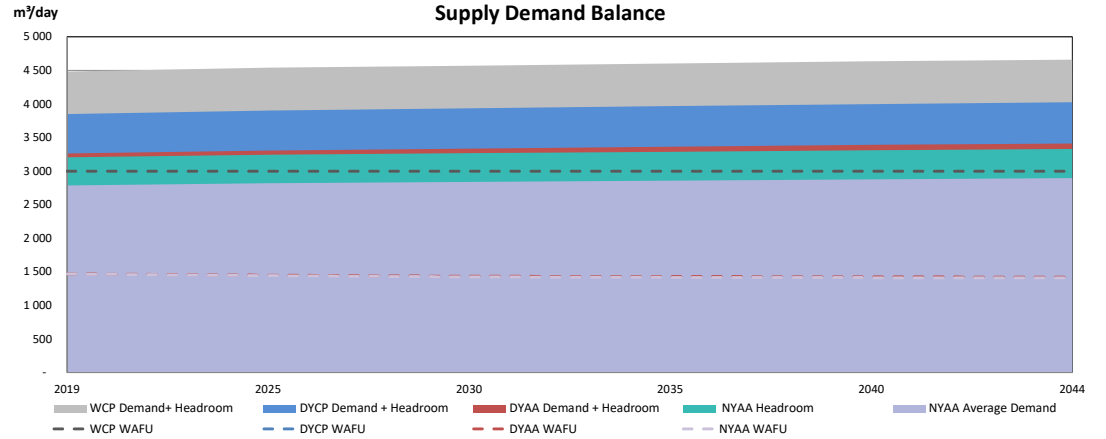
Base Demand in	2019
Domestic Demand (m ³ /day)	639
Non-Domestic Demand (m ³ /day)	358
Operational Use (m ³ /day)	17
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	1 765
Demand (m³/day)	2 786

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 786	418	3 204	3 264	3 852	4 486
2025	2 820	423	3 243	3 308	3 903	4 540
2030	2 840	426	3 266	3 335	3 935	4 572
2035	2 859	429	3 288	3 363	3 968	4 604
2040	2 879	432	3 311	3 390	3 999	4 636
2044	2 895	434	3 329	3 409	4 024	4 661

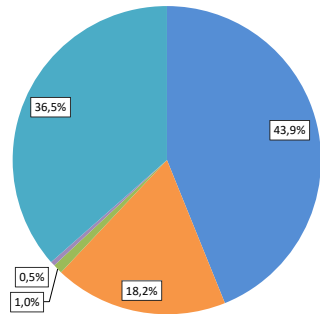
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000944	Kyle WTP	3 000	2 500	2 750	No Licence	1 437	Yield	1 422	-	1 422	Issue Capacity / Yield (Unknown)
TOTAL		3 000	2 500	2 750	-	1 437		1 422	-	1 422	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 469	1 472	1 472	3 000	1 735	1 793	2 380	1 486	
2025	1 446	1 452	1 452	3 000	1 797	1 856	2 451	1 540	
2030	1 426	1 435	1 435	3 000	1 839	1 900	2 500	1 572	
2035	1 420	1 431	1 431	3 000	1 868	1 932	2 537	1 604	
2040	1 415	1 426	1 426	3 000	1 896	1 964	2 573	1 636	
2044	1 411	1 422	1 422	3 000	1 919	1 986	2 602	1 661	

WRZ CODE	1600SC0015	WRZ Name	Swan PWS	Study Area	6	Study Group		Local Authority	Laois
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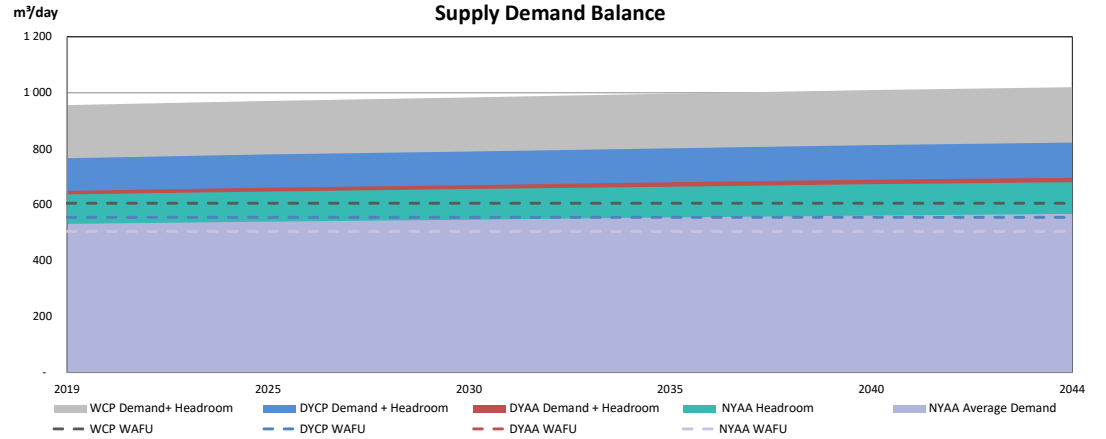
Base Demand in	2019
Domestic Demand (m ³ /day)	233
Non-Domestic Demand (m ³ /day)	96
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	194
Demand (m³/day)	531

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	531	106	637	649	766	956
2025	539	108	647	660	779	971
2030	547	109	656	670	791	984
2035	554	111	665	680	802	997
2040	561	112	673	689	813	1 010
2044	567	113	680	696	822	1 020

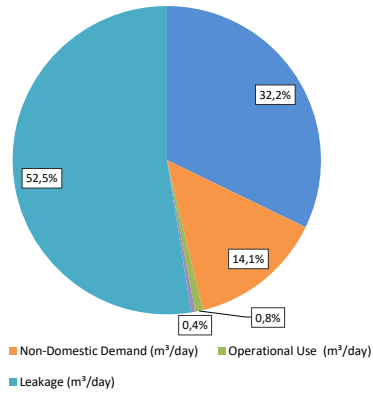
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000772	Swan WTP	606	505	556	No Licence	580	22Hr	556	-	556	Issue Capacity / Yield (Unknown)
TOTAL		606	505	556	-	580		556	-	556	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	505	505	556	606	132	144	210	350	505	505	556
2025	505	505	556	606	142	155	224	365	505	505	556
2030	505	505	556	606	151	165	235	378	505	505	556
2035	505	505	556	606	160	175	246	391	505	505	556
2040	505	505	556	606	168	184	258	404	505	505	556
2044	505	505	556	606	175	191	267	414	505	505	556

WRZ CODE	1600SC0016	WRZ Name	Mountrath	Study Area	6	Study Group		Local Authority	Laois
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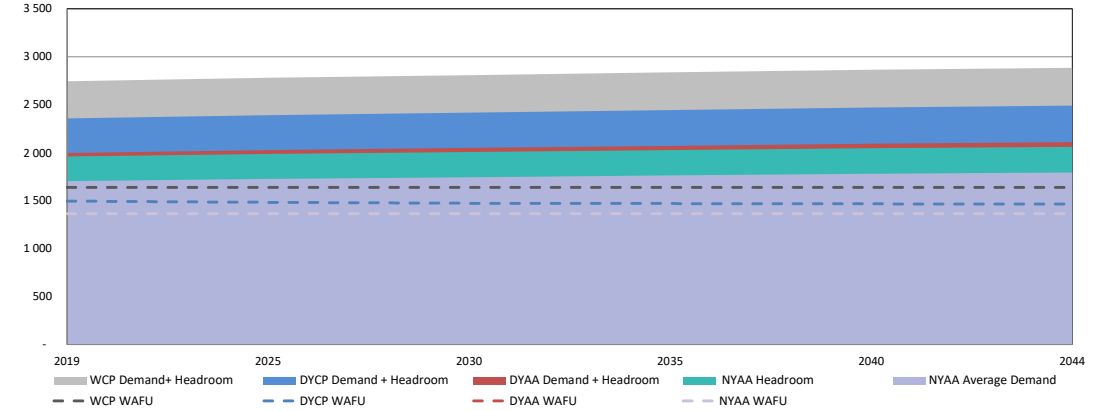
Base Demand in 2019	
Domestic Demand (m ³ /day)	548
Non-Domestic Demand (m ³ /day)	240
Operational Use (m ³ /day)	14
Apparent Losses (m ³ /day)	7
Leakage (m ³ /day)	896
Demand (m³/day)	1 705

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 705	256	1 961	1 997	2 357	2 745
2025	1 728	259	1 987	2 027	2 392	2 782
2030	1 745	262	2 007	2 049	2 418	2 809
2035	1 762	264	2 026	2 072	2 445	2 837
2040	1 779	267	2 046	2 094	2 471	2 864
2044	1 792	269	2 061	2 110	2 492	2 886

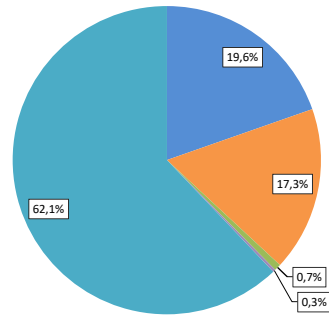
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000627	Drim WTP	420	350	385	No Licence	376	Yield	373	-	373	
WTP0001166	Knocks WTP	600	500	550	No Licence	531	Yield	525	-	525	Significant Reduction
WTP0000538	Cloonin Hill WTP	620	517	568	No Licence	575	22Hr	568	-	568	
TOTAL		1 640	1 367	1 503	-	1 482		1 466	-	1 466	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)
2019	1 367	1 367	1 497	1 640	594	631	860	1 105	1 367
2025	1 367	1 367	1 485	1 640	620	660	907	1 142	1 367
2030	1 367	1 367	1 475	1 640	640	683	944	1 169	1 367
2035	1 367	1 367	1 471	1 640	660	705	973	1 197	1 367
2040	1 367	1 367	1 469	1 640	679	728	1 002	1 224	1 367
2044	1 367	1 367	1 466	1 640	695	744	1 025	1 246	1 367

WRZ CODE	1600SC0017	WRZ Name	Abbeyliex South	Study Area	6	Study Group		Local Authority	Laois
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Base Demand in 2019	
Domestic Demand (m ³ /day)	82
Non-Domestic Demand (m ³ /day)	73
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	261
Demand (m³/day)	420

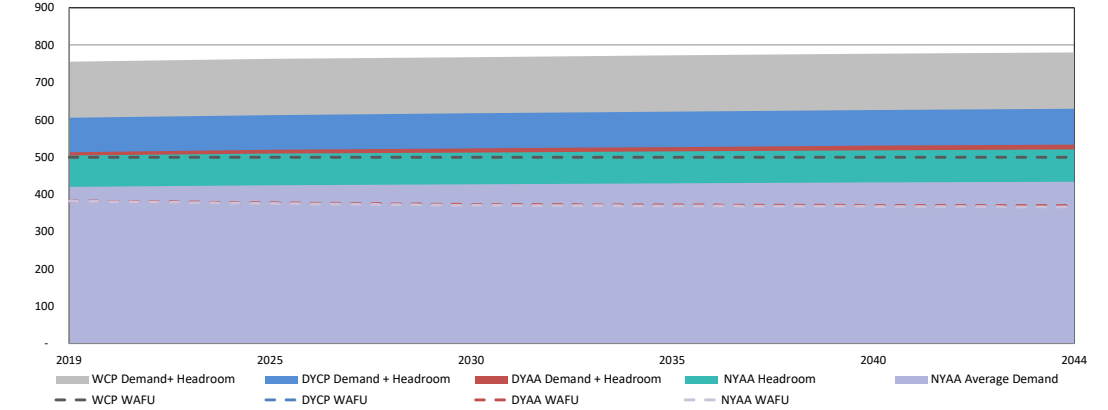
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	420	84	504	513	605	756
2025	424	85	509	519	613	763
2030	427	85	512	523	617	768
2035	429	86	515	527	621	773
2040	432	86	518	530	626	777
2044	434	87	521	533	629	781

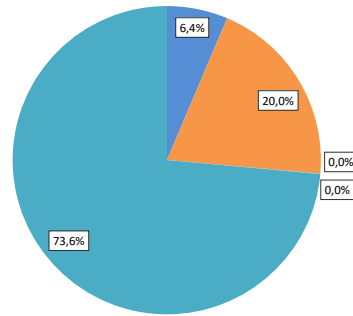
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000399	Five Wells WTPr	500	417	458	No Licence	374	Yield	370	-	370	
TOTAL		500	417	458	-	374		370	-	370	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	382	383	383	500	122	130	223	256	122	130	223	256
2025	376	378	378	500	133	142	235	263	133	142	235	263
2030	371	373	373	500	141	150	244	268	141	150	244	268
2035	369	372	372	500	146	155	250	273	146	155	250	273
2040	368	371	371	500	150	160	255	277	150	160	255	277
2044	367	370	370	500	154	163	259	281	154	163	259	281

WRZ CODE	1600SC0018	WRZ Name	Ballinakill	Study Area	6	Study Group		Local Authority	Laois
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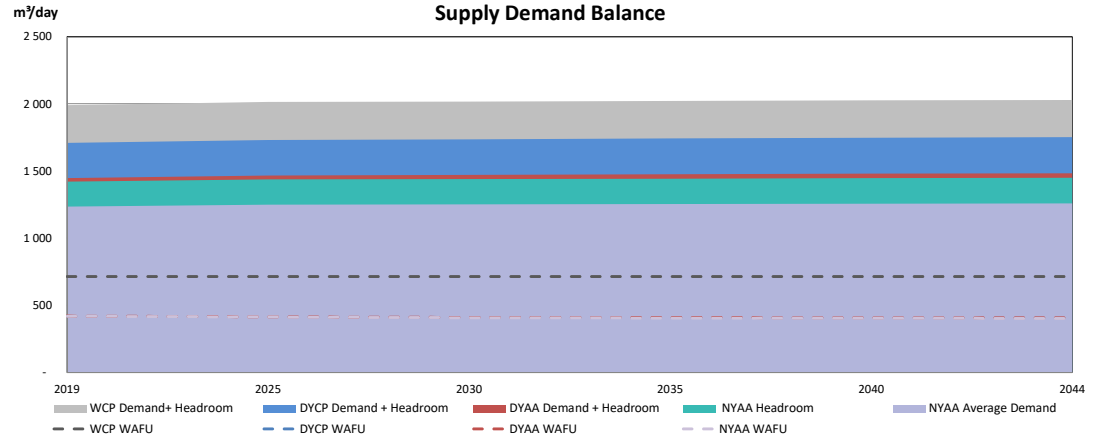
Base Demand in 2019	
Domestic Demand (m ³ /day)	79
Non-Domestic Demand (m ³ /day)	247
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	910
Demand (m³/day)	1 237

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 237	185	1 422	1 449	1 709	1 991
2025	1 251	188	1 439	1 468	1 732	2 014
2030	1 254	188	1 442	1 472	1 737	2 018
2035	1 256	188	1 444	1 477	1 743	2 022
2040	1 258	189	1 447	1 482	1 748	2 026
2044	1 260	189	1 449	1 484	1 752	2 029

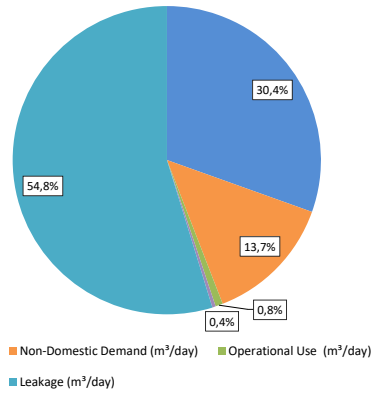
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000583	Cloghogue WTP	90	75	83	No Licence	67	Yield	66	-	66	
WTP0000449	Fermoyle (Ballinakill) WTP	625	521	573	No Licence	345	Yield	341	-	341	
TOTAL		715	596	655	-	412		408	-	408	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	421	422	422	715 -	1 001 -	1 027 -	1 288 -	1 276	
2025	414	416	416	715 -	1 024 -	1 052 -	1 316 -	1 299	
2030	409	412	412	715 -	1 033 -	1 061 -	1 326 -	1 303	
2035	407	410	410	715 -	1 037 -	1 067 -	1 333 -	1 307	
2040	406	409	409	715 -	1 042 -	1 073 -	1 339 -	1 311	
2044	404	408	408	715 -	1 045 -	1 076 -	1 344 -	1 314	

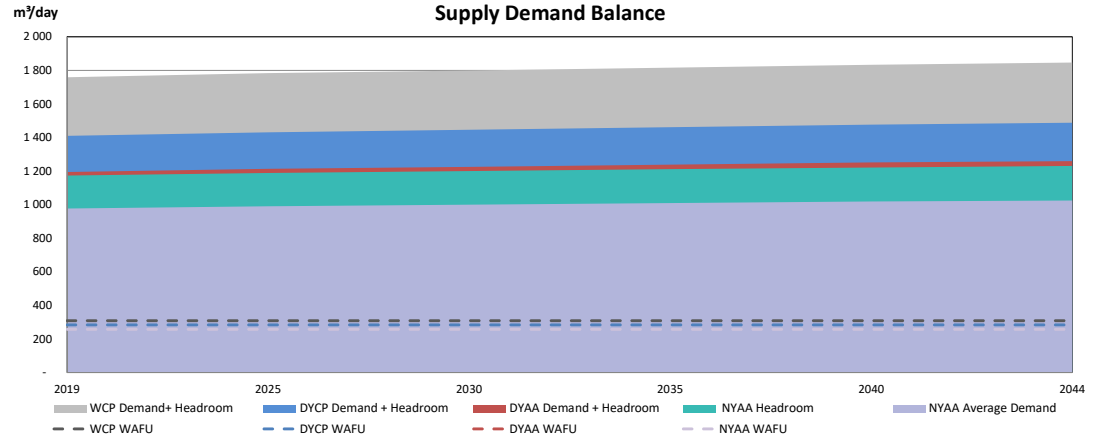
WRZ CODE	1600SC0019	WRZ Name	Durrow	Study Area	6	Study Group		Local Authority	Laois
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Base Demand in 2019	
Domestic Demand (m ³ /day)	298
Non-Domestic Demand (m ³ /day)	134
Operational Use (m ³ /day)	7
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	535
Demand (m³/day)	978

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	978	196	1 173	1 195	1 410	1 760
2025	991	198	1 189	1 213	1 431	1 783
2030	1 000	200	1 200	1 226	1 446	1 800
2035	1 009	202	1 211	1 238	1 461	1 817
2040	1 018	204	1 222	1 251	1 476	1 833
2044	1 026	205	1 231	1 260	1 488	1 846

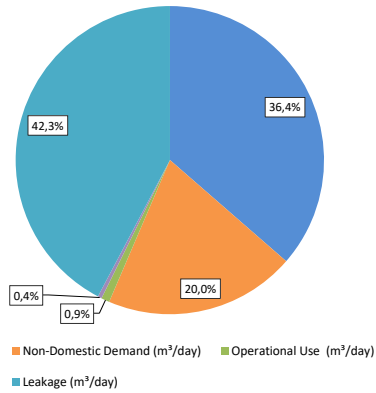
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000554	Castle Durrow Convent WTP	310	258	284	No Licence	1 044	22Hr	284	-	284	
TOTAL		310	258	284	-	1 044		284	-	284	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	258	258	284	310	915	937	1 126	1 450	-	-
2025	258	258	284	310	931	955	1 147	1 473	-	-
2030	258	258	284	310	942	967	1 162	1 490	-	-
2035	258	258	284	310	953	980	1 177	1 507	-	-
2040	258	258	284	310	964	993	1 192	1 523	-	-
2044	258	258	284	310	973	1 002	1 204	1 536	-	-

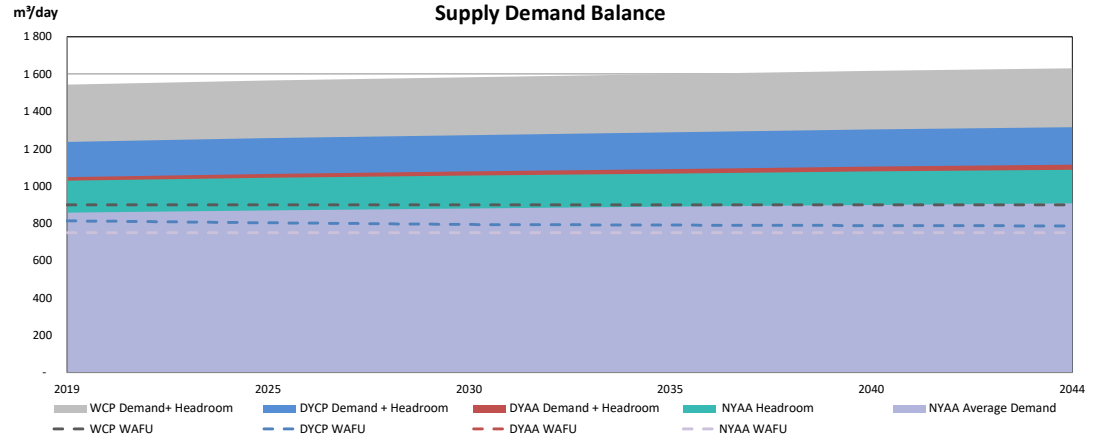
WRZ CODE	1600SC0020	WRZ Name	Abbeyleix North	Study Area	6	Study Group		Local Authority	Laois
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Base Demand in	2019
Domestic Demand (m ³ /day)	312
Non-Domestic Demand (m ³ /day)	172
Operational Use (m ³ /day)	8
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	362
Demand (m³/day)	858

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	858	172	1 029	1 048	1 237	1 544
2025	870	174	1 044	1 065	1 257	1 566
2030	880	176	1 056	1 078	1 272	1 583
2035	889	178	1 067	1 091	1 288	1 601
2040	899	180	1 079	1 104	1 303	1 618
2044	907	181	1 088	1 114	1 315	1 632

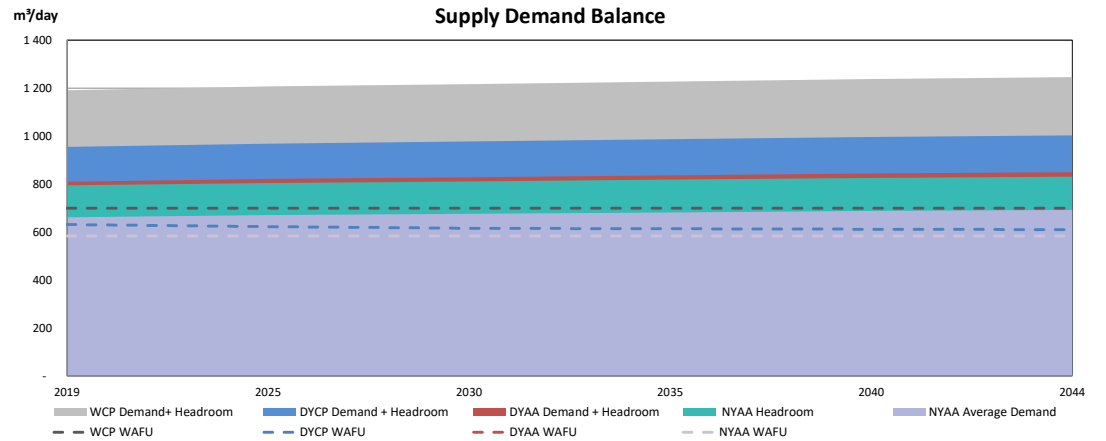
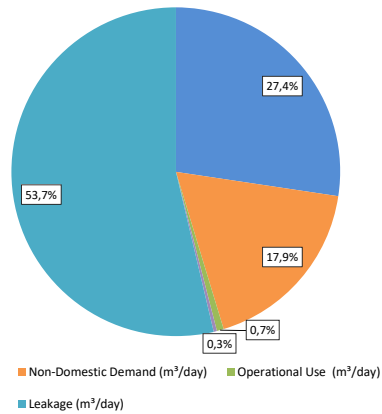
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000053	Aughafeerish WTP	900	750	825	No Licence	795	Yield	787	-	787	
TOTAL		900	750	825	-	795		787	-	787	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	750	750	814	900	279	298	423	644			
2025	750	750	803	900	294	315	453	666			
2030	750	750	794	900	306	328	478	683			
2035	750	750	792	900	317	341	496	701			
2040	750	750	789	900	329	354	514	718			
2044	750	750	787	900	338	364	528	732			

WRZ CODE	1600SC0021	WRZ Name	Ballyroan	Study Area	6	Study Group		Local Authority	Laois
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Base Demand in	2019
Domestic Demand (m ³ /day)	181
Non-Domestic Demand (m ³ /day)	119
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	355
Demand (m³/day)	662

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	662	132	794	809	955	1 191
2025	671	134	805	821	969	1 207
2030	676	135	812	829	978	1 217
2035	682	136	818	837	987	1 227
2040	688	138	825	845	996	1 238
2044	692	138	830	850	1 004	1 246

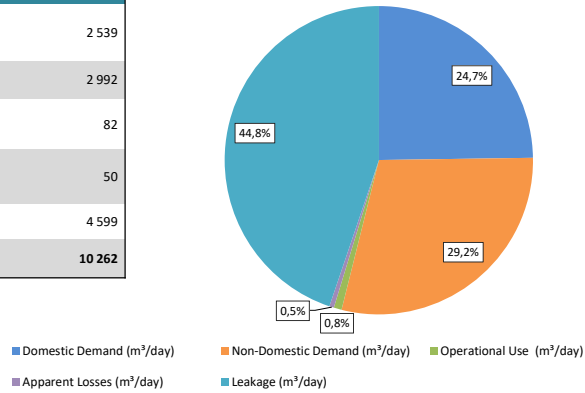
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000276	Ballyroan WTP	700	583	642	No Licence	617	Yield	611	-	611	
TOTAL		700	583	642	-	617		611	-	611	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	583	583	632	700	211	226	323	491				
2025	583	583	623	700	221	238	345	507				
2030	583	583	616	700	228	246	362	517				
2035	583	583	614	700	235	253	373	527				
2040	583	583	612	700	242	261	384	538				
2044	583	583	611	700	247	267	393	546				

WRZ CODE	1700SC0001	WRZ Name	Carrick-on-Shannon	Study Area	F	Study Group	Local Authority	Leitrim
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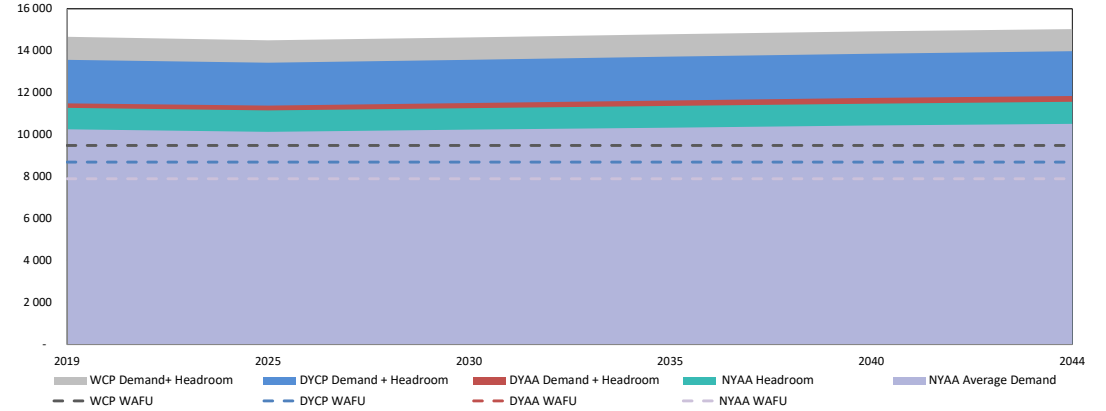
Base Demand in 2019	
Domestic Demand (m ³ /day)	2 539
Non-Domestic Demand (m ³ /day)	2 992
Operational Use (m ³ /day)	82
Apparent Losses (m ³ /day)	50
Leakage (m ³ /day)	4 599
Demand (m³/day)	10 262

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10 262	1 026	11 288	11 499	13 568	14 674
2025	10 143	1 014	11 157	11 381	13 429	14 504
2030	10 241	1 024	11 265	11 505	13 575	14 644
2035	10 339	1 034	11 373	11 629	13 722	14 785
2040	10 437	1 044	11 481	11 754	13 866	14 925
2044	10 516	1 052	11 567	11 843	13 982	15 037

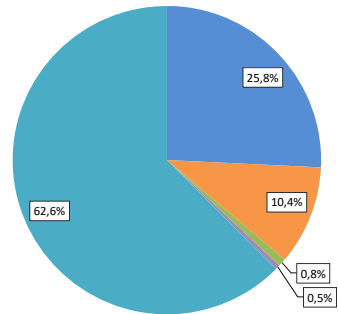
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000354	Carrick on Shannon WTP	9 500	7 917	8 708	No Licence	76 765	22Hr	8 708	-	8 708	
TOTAL		9 500	7 917	8 708	-	76 765		8 708	-	8 708	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	7 917	7 917	8 708	9 500	3 371	3 583	4 860	5 174	
2025	7 917	7 917	8 708	9 500	3 240	3 465	4 721	5 004	
2030	7 917	7 917	8 708	9 500	3 348	3 588	4 867	5 144	
2035	7 917	7 917	8 708	9 500	3 456	3 713	5 014	5 285	
2040	7 917	7 917	8 708	9 500	3 564	3 838	5 158	5 425	
2044	7 917	7 917	8 708	9 500	3 651	3 926	5 274	5 537	

WRZ CODE	1700SC0003	WRZ Name	North Leitrim Regional Water	Study Area	C	Study Group	Local Authority	Leitrim
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 002
Non-Domestic Demand (m ³ /day)	405
Operational Use (m ³ /day)	31
Apparent Losses (m ³ /day)	19
Leakage (m ³ /day)	2 434
Demand (m³/day)	3 891

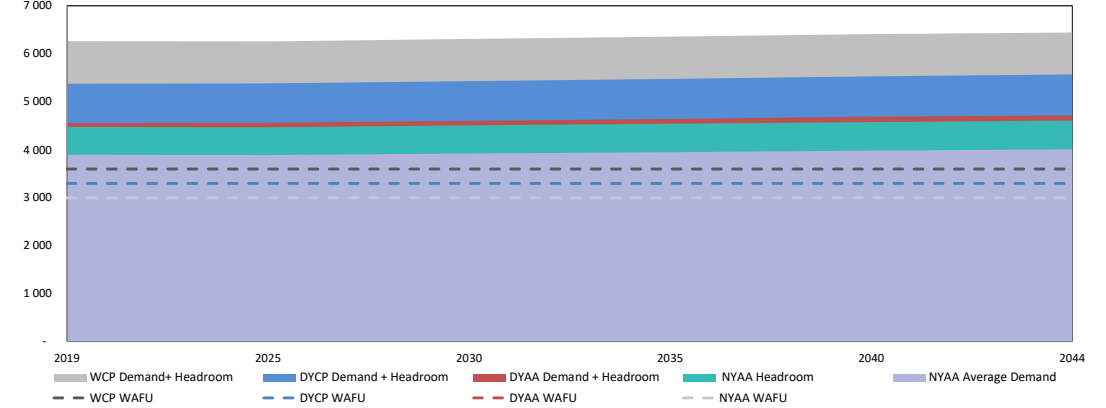
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 891	584	4 475	4 558	5 379	6 264
2025	3 887	583	4 470	4 560	5 380	6 257
2030	3 918	588	4 505	4 601	5 429	6 307
2035	3 949	592	4 541	4 643	5 479	6 357
2040	3 980	597	4 577	4 686	5 528	6 407
2044	4 005	601	4 605	4 715	5 567	6 447

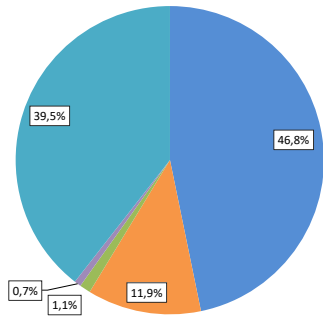
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000231	Moneyduff WTP	3 600	3 000	3 300	No Licence	203 213	22Hr	3 300	-	3 300	
TOTAL		3 600	3 000	3 300	-	203 213		3 300	-	3 300	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	Balance
2019	3 000	3 000	3 300	3 600	1 475	1 558	2 079	2 664	-	-
2025	3 000	3 000	3 300	3 600	1 470	1 560	2 080	2 657	-	-
2030	3 000	3 000	3 300	3 600	1 505	1 601	2 129	2 707	-	-
2035	3 000	3 000	3 300	3 600	1 541	1 643	2 179	2 757	-	-
2040	3 000	3 000	3 300	3 600	1 577	1 686	2 228	2 807	-	-
2044	3 000	3 000	3 300	3 600	1 605	1 715	2 267	2 847	-	-

WRZ CODE	1700SC0004	WRZ Name	Kinlough Tullaghan	Study Area	B	Study Group	Local Authority	Leitrim
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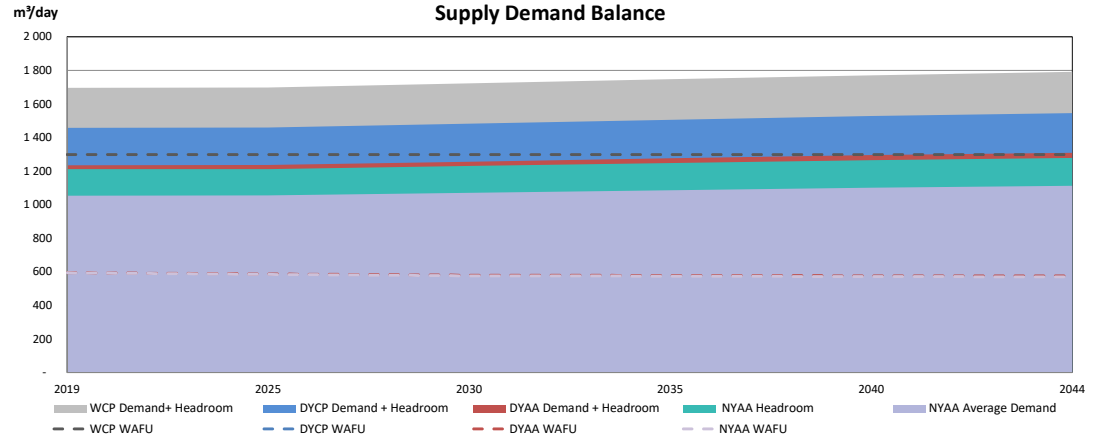
Base Demand in	2019
Domestic Demand (m ³ /day)	493
Non-Domestic Demand (m ³ /day)	126
Operational Use (m ³ /day)	12
Apparent Losses (m ³ /day)	7
Leakage (m ³ /day)	416
Demand (m³/day)	1 054

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 054	158	1 212	1 235	1 457	1 697
2025	1 055	158	1 213	1 237	1 460	1 698
2030	1 070	160	1 230	1 256	1 483	1 722
2035	1 085	163	1 248	1 276	1 506	1 747
2040	1 100	165	1 265	1 295	1 528	1 772
2044	1 113	167	1 279	1 310	1 547	1 791

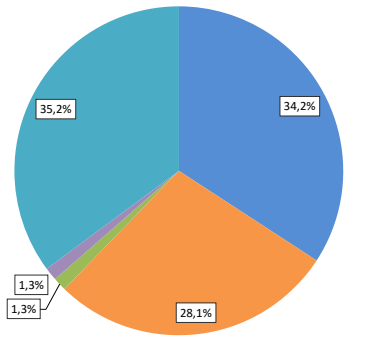
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000471	Glenade WTP	1 300	1 083	1 192	No Licence	623	Yield	576	-	576	
TOTAL		1 300	1 083	1 192	-	623		576	-	576	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	595	596	596	1 300	617	639	861	397	617	639	861	397
2025	585	588	588	1 300	627	649	872	398	627	649	872	398
2030	577	581	581	1 300	653	675	901	422	653	675	901	422
2035	575	579	579	1 300	673	697	926	447	673	697	926	447
2040	573	577	577	1 300	692	718	951	472	692	718	951	472
2044	571	576	576	1 300	708	734	971	491	708	734	971	491

WRZ CODE	1900SC0001	WRZ Name	Limerick City	Study Area	8	Study Group		Local Authority	Limerick
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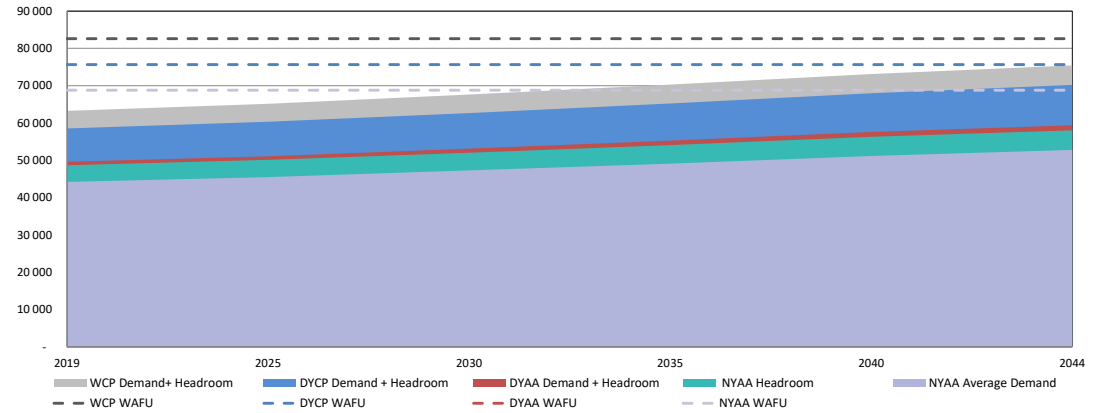
Base Demand in 2019	
Domestic Demand (m ³ /day)	15 124
Non-Domestic Demand (m ³ /day)	12 431
Operational Use (m ³ /day)	573
Apparent Losses (m ³ /day)	573
Leakage (m ³ /day)	15 559
Demand (m³/day)	44 261

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	44 261	4 426	48 687	49 599	58 524	63 293
2025	45 561	4 556	50 117	51 126	60 326	65 152
2030	47 289	4 729	52 018	53 128	62 688	67 624
2035	49 166	4 917	54 083	55 303	65 254	70 308
2040	51 184	5 118	56 303	57 643	68 002	73 193
2044	52 798	5 280	58 078	59 461	70 203	75 502

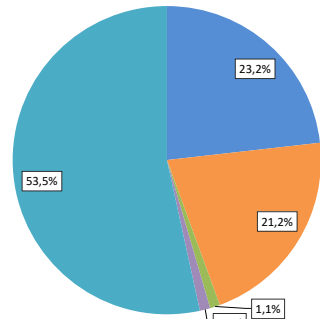
Water Available for Use in 2044 DYCP												
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018	
WTP0000517	Clareville WTP	87 000	72 500	79 750	115 000	351 393	22Hr	79 750	-	3 988	75 763	
TOTAL		87 000	72 500	79 750	115 000	351 393		79 750	-	3 988	75 763	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)
2019	68 875	68 875	75 763	82 650	20 188	19 276	17 239	19 357	19 357
2025	68 875	68 875	75 763	82 650	18 758	17 749	15 437	17 498	17 498
2030	68 875	68 875	75 763	82 650	16 857	15 747	13 075	15 026	15 026
2035	68 875	68 875	75 763	82 650	14 792	13 572	10 509	12 342	12 342
2040	68 875	68 875	75 763	82 650	12 572	11 232	7 760	9 457	9 457
2044	68 875	68 875	75 763	82 650	10 797	9 414	5 560	7 148	7 148

WRZ CODE	1900SC0003	WRZ Name	CappamoreFoileen Water	Study Area	8	Study Group		Local Authority	Limerick
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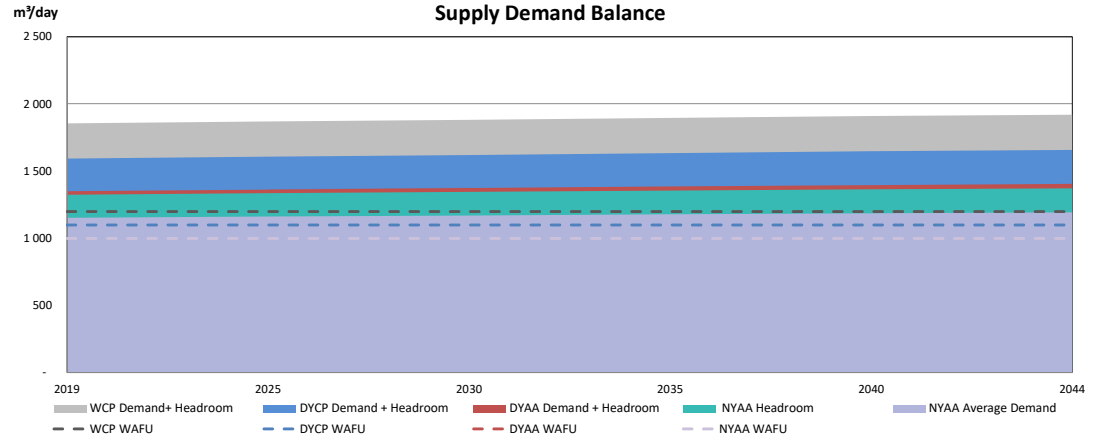
Base Demand in 2019	
Domestic Demand (m ³ /day)	267
Non-Domestic Demand (m ³ /day)	244
Operational Use (m ³ /day)	12
Apparent Losses (m ³ /day)	12
Leakage (m ³ /day)	616
Demand (m³/day)	1 152

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 152	173	1 325	1 350	1 593	1 855
2025	1 161	174	1 335	1 362	1 607	1 869
2030	1 169	175	1 345	1 374	1 621	1 883
2035	1 178	177	1 354	1 385	1 634	1 896
2040	1 186	178	1 364	1 396	1 647	1 909
2044	1 193	179	1 372	1 404	1 658	1 920

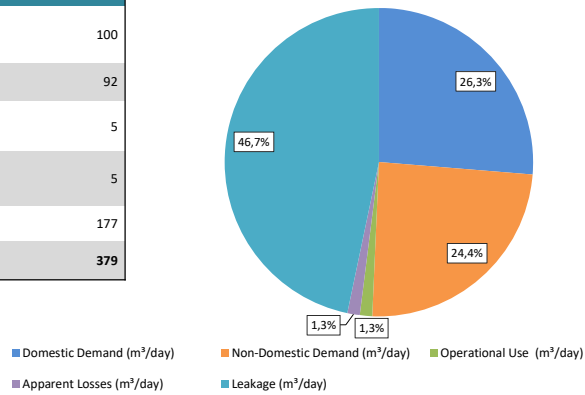
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001062	Foileen WTP	1 200	1 000	1 100	No Licence	1 149	22Hr	1 100	-	1 100	Significant Reduction
TOTAL		1 200	1 000	1 100	-	1 149		1 100	-	1 100	

Year	WAFU					Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 000	1 000	1 100	1 200	-	325	-	350	-	493	-	655
2025	1 000	1 000	1 100	1 200	-	335	-	362	-	507	-	669
2030	1 000	1 000	1 100	1 200	-	345	-	374	-	521	-	683
2035	1 000	1 000	1 100	1 200	-	354	-	385	-	534	-	696
2040	1 000	1 000	1 100	1 200	-	364	-	396	-	547	-	709
2044	1 000	1 000	1 100	1 200	-	372	-	404	-	558	-	720

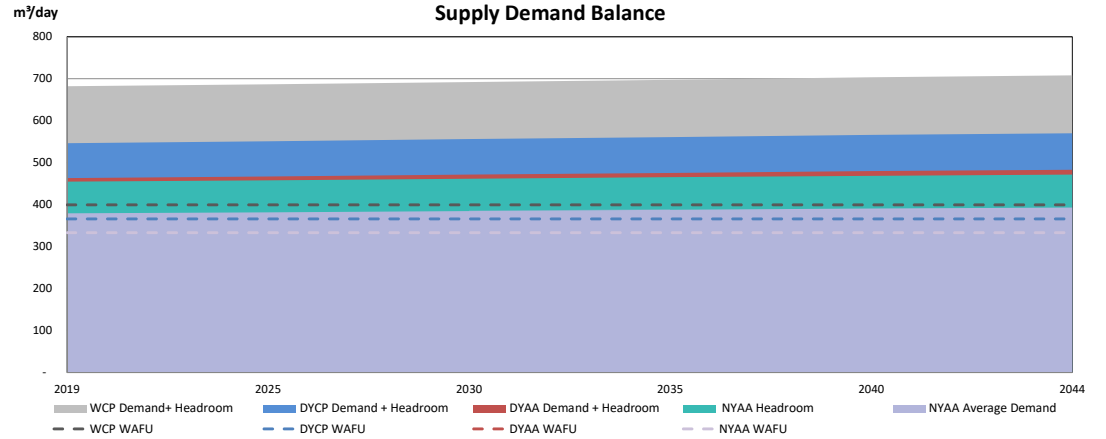
WRZ CODE	1900SC0004	WRZ Name	Doon Water Supply	Study Area	8	Study Group		Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	100
Non-Domestic Demand (m ³ /day)	92
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	177
Demand (m³/day)	379

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	379	76	455	463	547	682
2025	382	76	458	467	551	687
2030	385	77	462	471	556	692
2035	388	78	465	476	561	698
2040	391	78	469	480	566	703
2044	393	79	472	483	570	708

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000608	Cooga Spring WTP	140	117	128	No Licence	134	22Hr	128	-	128	Significant Reduction
WTP0001175	Lacka Doon Borehole WTP	260	217	238	No Licence	249	22Hr	238	-	238	Significant Reduction
TOTAL		400	333	367	-	383		367	-	367	

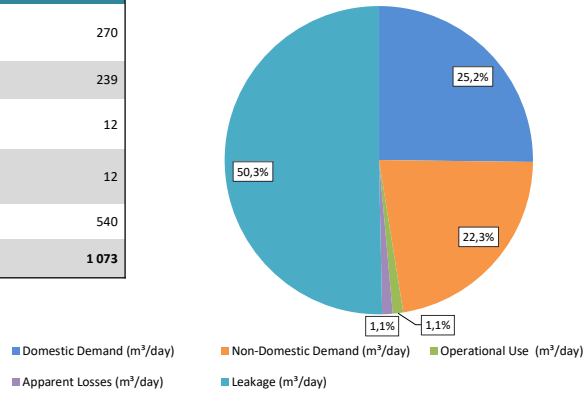
Supply Demand Balance

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	333	333	367	400	122	130	180	282	122	130	180	282
2025	333	333	367	400	125	134	184	287	125	134	184	287
2030	333	333	367	400	128	138	190	292	128	138	190	292
2035	333	333	367	400	132	142	195	298	132	142	195	298
2040	333	333	367	400	136	147	200	303	136	147	200	303
2044	333	333	367	400	139	150	204	308	139	150	204	308

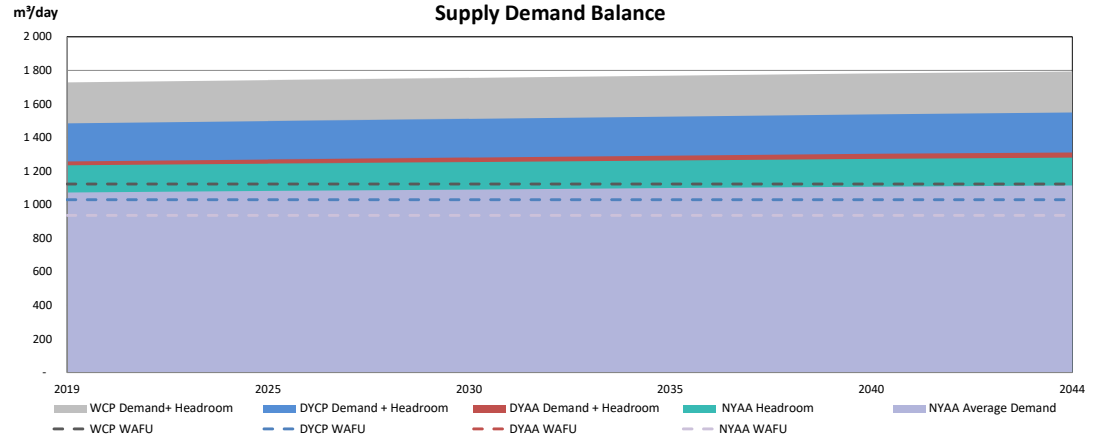
WRZ CODE	1900SC0005	WRZ Name	Oola / Pallasgreen	Study Area	8	Study Group		Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	270
Non-Domestic Demand (m ³ /day)	239
Operational Use (m ³ /day)	12
Apparent Losses (m ³ /day)	12
Leakage (m ³ /day)	540
Demand (m³/day)	1 073

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 073	161	1 234	1 258	1 484	1 728
2025	1 082	162	1 245	1 270	1 498	1 742
2030	1 091	164	1 254	1 281	1 511	1 756
2035	1 099	165	1 264	1 292	1 525	1 769
2040	1 107	166	1 273	1 304	1 538	1 783
2044	1 114	167	1 281	1 312	1 549	1 794

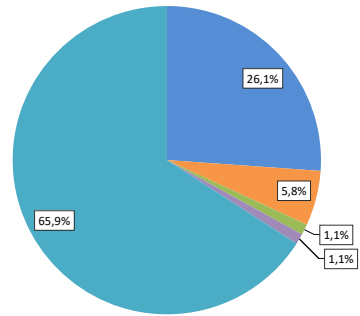
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000225	Oola WTP	300	250	275	No Licence	287	22Hr	275	-	275	Significant Reduction
WTP0000333	Caherconlish WTP	375	313	344	No Licence	359	22Hr	344	-	344	
WTP0000287	Pallasgreen WTP	450	375	413	No Licence	431	22Hr	413	-	413	Significant Reduction
TOTAL		1 125	938	1 031	-	1 078		1 031	-	1 031	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WCP (m ³ /day)
2019	938	938	1 031	1 125	297	320	453	603		603
2025	938	938	1 031	1 125	307	332	467	617		617
2030	938	938	1 031	1 125	317	343	480	631		631
2035	938	938	1 031	1 125	326	355	494	644		644
2040	938	938	1 031	1 125	336	366	507	658		658
2044	938	938	1 031	1 125	344	374	517	669		669

WRZ CODE	1900SC0007	WRZ Name	Fedamore Water Supply	Study Area	8	Study Group		Local Authority	Limerick
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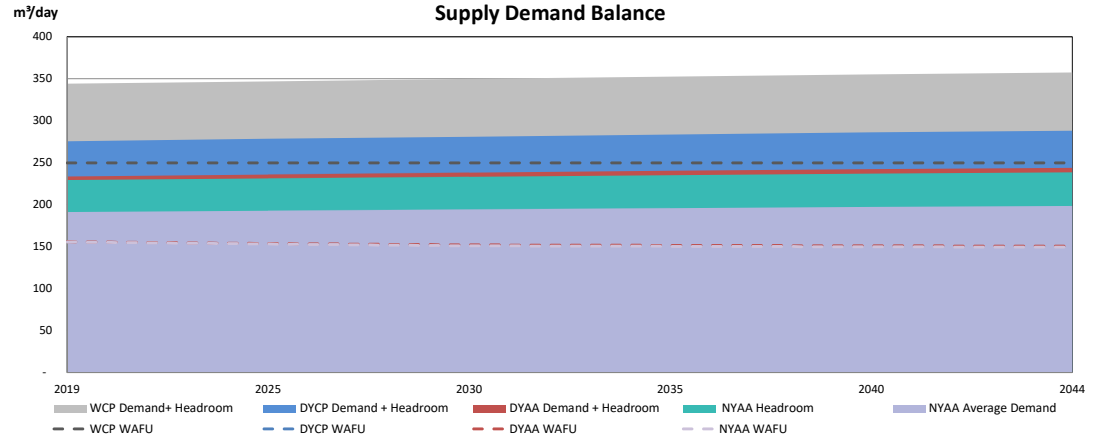
Base Demand in 2019	
Domestic Demand (m ³ /day)	50
Non-Domestic Demand (m ³ /day)	11
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	126
Demand (m³/day)	191

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	191	38	229	234	276	344
2025	193	39	231	236	278	347
2030	194	39	233	238	281	350
2035	196	39	235	240	284	353
2040	197	39	237	243	286	355
2044	199	40	238	244	288	358

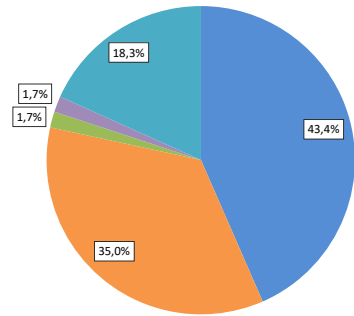
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000446	Fedamore WTP	250	208	229	No Licence	152	Yield	151	-	151	Significant Reduction
TOTAL		250	208	229	-	152		151	-	151	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	156	156	156	250	74	78	120	94	120	94
2025	153	154	154	250	78	82	125	97	125	97
2030	151	152	152	250	82	86	129	100	129	100
2035	151	152	152	250	84	89	132	103	132	103
2040	150	151	151	250	87	91	135	105	135	105
2044	150	151	151	250	89	93	137	108	137	108

WRZ CODE	1900SC0008	WRZ Name	Herbertstown	Study Area	K	Study Group	Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	89
Non-Domestic Demand (m ³ /day)	71
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	37
Demand (m³/day)	204

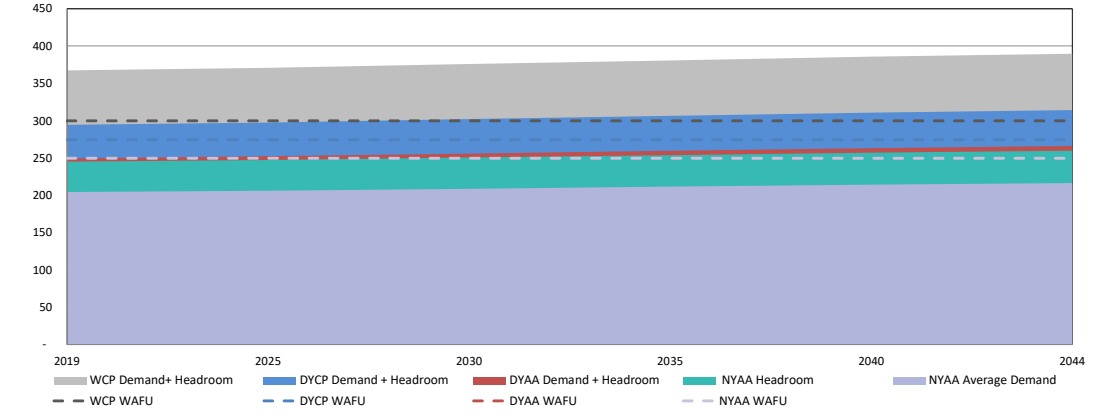
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	204	41	245	250	295	368
2025	206	41	247	252	298	371
2030	209	42	251	256	302	376
2035	212	42	254	260	306	381
2040	214	43	257	263	311	386
2044	217	43	260	266	314	390

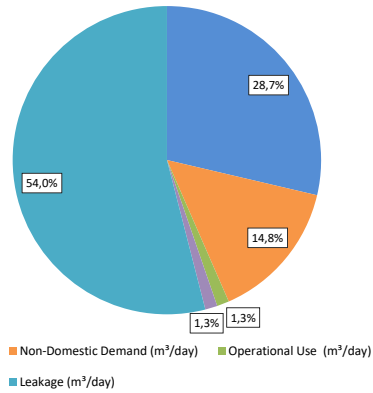
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000463	Herbertstown WTP	300	250	275	No Licence	287	22Hr	275	-	275	Significant Reduction
TOTAL		300	250	275	-	287		275	-	275	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	250	250	275	300	5	0	-	20	-	68
2025	250	250	275	300	3	2	-	23	-	71
2030	250	250	275	300	1	6	-	27	-	76
2035	250	250	275	300	4	10	-	31	-	81
2040	250	250	275	300	7	13	-	36	-	86
2044	250	250	275	300	10	16	-	39	-	90

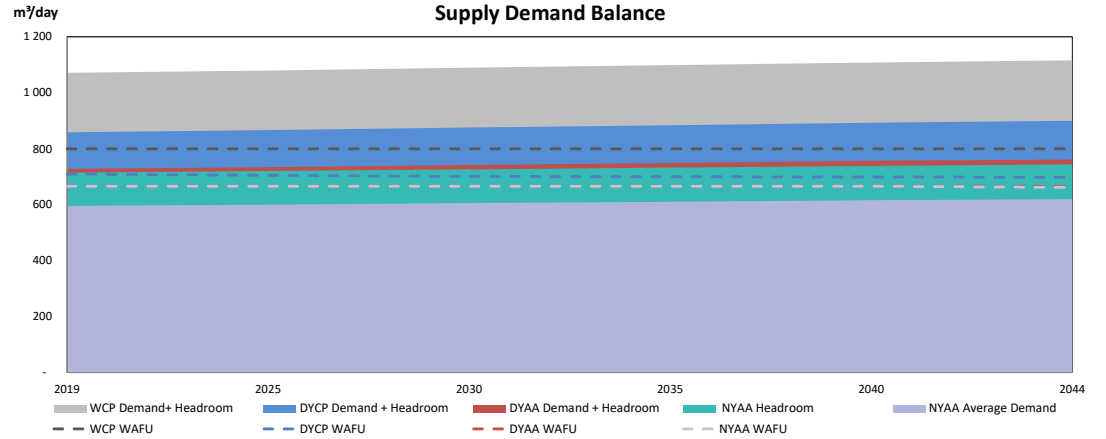
WRZ CODE	1900SC0009	WRZ Name	Bruff Water Supply	Study Area	8	Study Group		Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	171
Non-Domestic Demand (m ³ /day)	88
Operational Use (m ³ /day)	8
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	322
Demand (m³/day)	595

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	595	119	714	728	859	1 072
2025	600	120	720	734	867	1 080
2030	605	121	726	742	875	1 089
2035	611	122	733	749	884	1 099
2040	616	123	739	757	893	1 108
2044	620	124	744	762	899	1 116

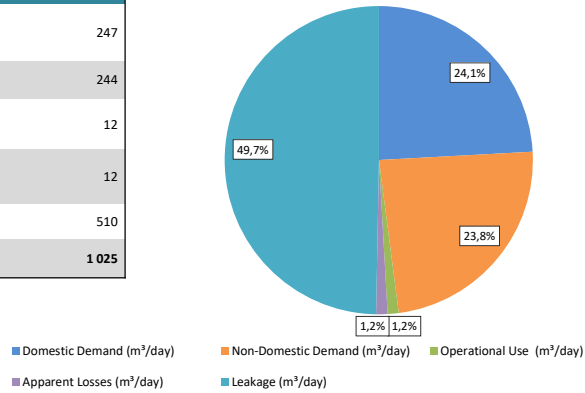
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000397	Finn's Well WTP	400	333	367	No Licence	383	22Hr	367	-	367	
WTP0000174	Moloney's WTP	400	333	367	No Licence	335	Yield	332	-	332	
TOTAL		800	667	733	-	718		699	-	699	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU (m ³ /day)
2019	667	667	710	800	48	61	149	272	119	667
2025	667	667	705	800	53	68	161	280	120	667
2030	667	667	702	800	60	75	174	289	121	667
2035	667	667	700	800	66	83	184	299	122	667
2040	667	667	699	800	72	90	193	308	123	667
2044	662	667	699	800	82	95	201	316	124	662

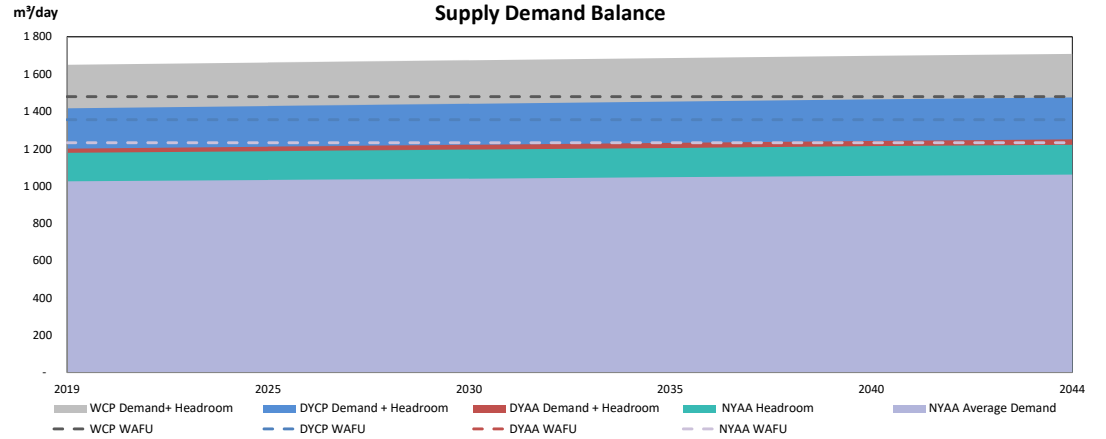
WRZ CODE	1900SC0010	WRZ Name	Knocklong/ Hospital	Study Area	K	Study Group	Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	247
Non-Domestic Demand (m ³ /day)	244
Operational Use (m ³ /day)	12
Apparent Losses (m ³ /day)	12
Leakage (m ³ /day)	510
Demand (m³/day)	1 025

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 025	154	1 179	1 201	1 417	1 650
2025	1 032	155	1 187	1 211	1 429	1 662
2030	1 040	156	1 196	1 221	1 441	1 674
2035	1 047	157	1 205	1 232	1 453	1 686
2040	1 055	158	1 213	1 242	1 466	1 699
2044	1 061	159	1 220	1 249	1 475	1 709

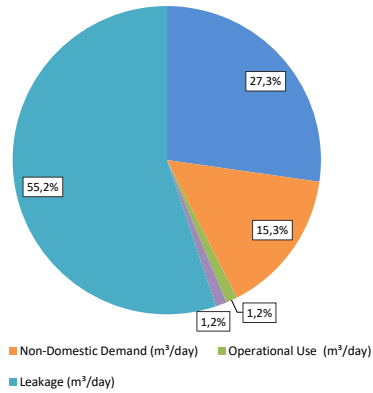
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000527	Hospital WTP 1	300	250	275	No Licence	287	22Hr	275	-	275	Significant Reduction
WTP0000528	Hospital WTP 2	350	292	321	No Licence	335	22Hr	321	-	321	Significant Reduction
WTP0001162	Knocklong Church Road WTP	400	333	367	No Licence	383	22Hr	367	-	367	Significant Reduction
WTP0001161	Knocklong WTP WTP	430	358	394	No Licence	412	22Hr	394	-	394	Significant Reduction
TOTAL		1 480	1 233	1 357	-	1 418		1 357	-	1 357	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 233	1 233	1 357	1 480	55	33	-	60	170
2025	1 233	1 233	1 357	1 480	46	23	-	72	182
2030	1 233	1 233	1 357	1 480	38	12	-	84	194
2035	1 233	1 233	1 357	1 480	29	2	-	97	206
2040	1 233	1 233	1 357	1 480	20	9	-	109	219
2044	1 233	1 233	1 357	1 480	13	16	-	119	229

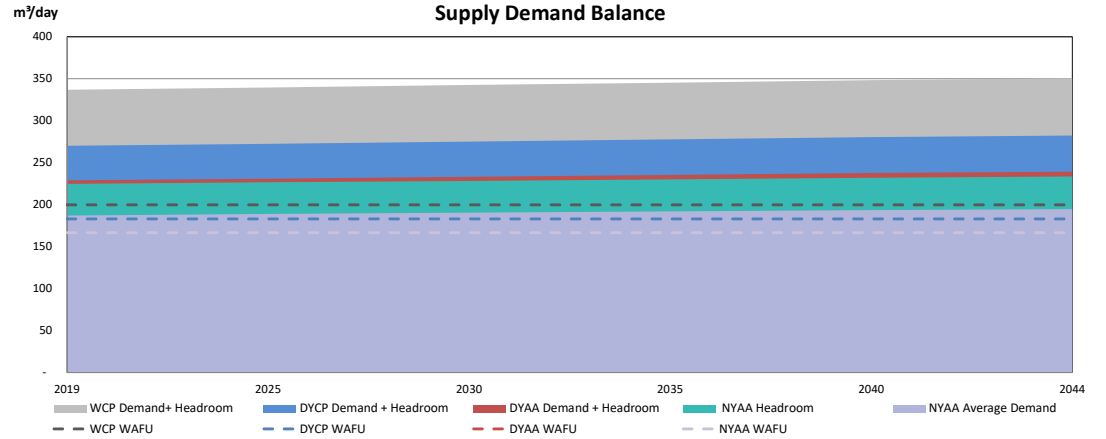
WRZ CODE	1900SC0011	WRZ Name	Galbally Water Supply	Study Area	K	Study Group	Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	51
Non-Domestic Demand (m ³ /day)	29
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	103
Demand (m³/day)	187

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	187	37	225	229	270	337
2025	189	38	227	231	273	340
2030	190	38	228	233	275	343
2035	192	38	230	236	278	345
2040	194	39	232	238	280	348
2044	195	39	234	239	283	351

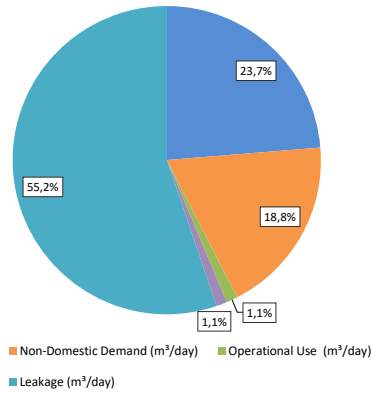
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000408	Galbally WTP	200	167	183	No Licence	192	22Hr	183	-	183	
TOTAL		200	167	183	-	192		183	-	183	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	167	167	183	200	58	62	87	137	167	167	183	200
2025	167	167	183	200	60	64	89	140	167	167	183	200
2030	167	167	183	200	62	67	92	143	167	167	183	200
2035	167	167	183	200	64	69	95	145	167	167	183	200
2040	167	167	183	200	66	71	97	148	167	167	183	200
2044	167	167	183	200	67	73	99	151	167	167	183	200

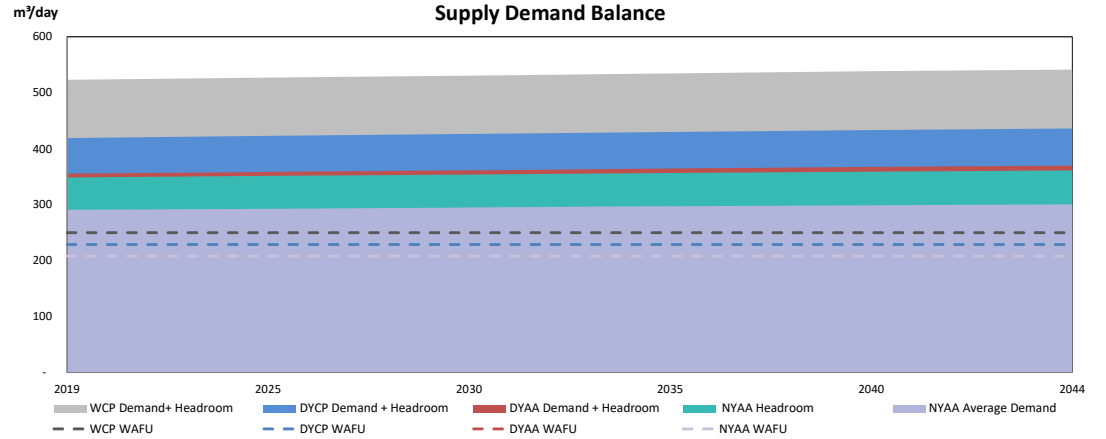
WRZ CODE	1900SC0012	WRZ Name	Ballylanders Water Supply	Study Area	K	Study Group	Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	69
Non-Domestic Demand (m ³ /day)	55
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	161
Demand (m³/day)	291

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	291	58	349	355	419	523
2025	293	59	351	358	423	527
2030	295	59	354	361	426	531
2035	297	59	356	364	430	535
2040	299	60	359	368	434	538
2044	301	60	361	370	436	542

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000040	Ballylanders WTP	250	208	229	No Licence	335	22Hr	229	-	229	
TOTAL		250	208	229	-	335		229	-	229	

WAFU

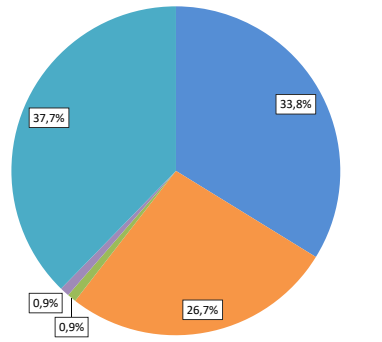
Supply Demand Balance

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU (m ³ /day)
2019	208	208	229	250	140	147	190	273	58	208
2025	208	208	229	250	143	150	194	277	59	208
2030	208	208	229	250	146	153	197	281	59	208
2035	208	208	229	250	148	156	201	285	59	208
2040	208	208	229	250	151	159	204	288	60	208
2044	208	208	229	250	153	161	207	292	60	208

WRZ CODE	1900SC0014	WRZ Name	Martinstown Water Supply	Study Area	8	Study Group		Local Authority	Limerick
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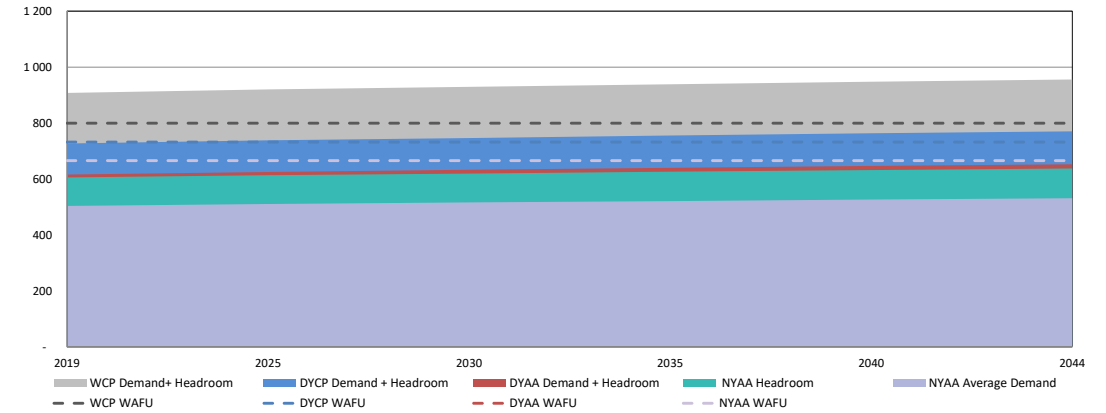
Base Demand in	2019
Domestic Demand (m ³ /day)	170
Non-Domestic Demand (m ³ /day)	135
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	190
Demand (m³/day)	504

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	504	101	605	617	727	908
2025	511	102	613	626	738	920
2030	516	103	620	633	747	929
2035	522	104	626	640	755	939
2040	527	105	632	647	764	948
2044	531	106	637	653	770	956

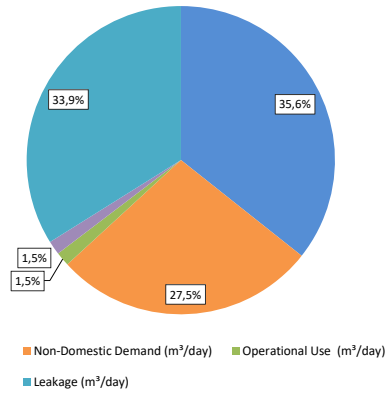
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000157	Martinstown WTP	800	667	733	No Licence	766	22Hr	733	-	733	
TOTAL		800	667	733	-	766		733	-	733	

Year	WAFU			Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	
2019	667	667	733	800	61	50	6	108		
2025	667	667	733	800	53	41	5	120		
2030	667	667	733	800	47	34	13	129		
2035	667	667	733	800	41	27	22	139		
2040	667	667	733	800	34	19	30	148		
2044	667	667	733	800	29	14	37	156		

WRZ CODE	1900SC0015	WRZ Name	Glenosheen / Jamestown /	Study Area	8	Study Group	Local Authority	Limerick
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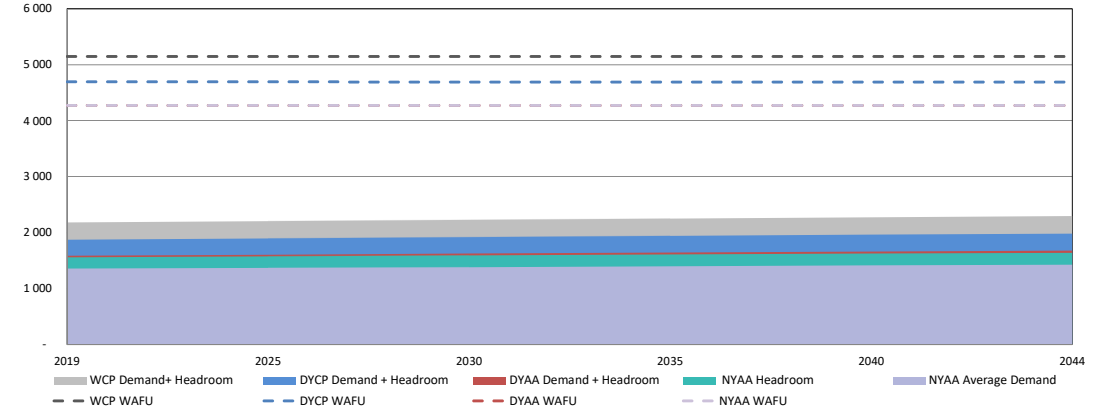
Base Demand in 2019	
Domestic Demand (m ³ /day)	484
Non-Domestic Demand (m ³ /day)	374
Operational Use (m ³ /day)	20
Apparent Losses (m ³ /day)	20
Leakage (m ³ /day)	460
Demand (m³/day)	1 357

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 357	204	1 560	1 590	1 876	2 185
2025	1 368	205	1 574	1 605	1 894	2 203
2030	1 383	208	1 591	1 625	1 917	2 227
2035	1 398	210	1 608	1 644	1 940	2 251
2040	1 413	212	1 625	1 664	1 963	2 276
2044	1 425	214	1 639	1 678	1 981	2 295

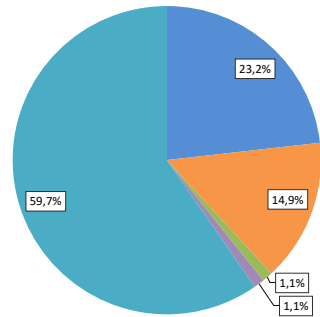
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000864	Ballygaddy WTP	100	83	92	No Licence	67	Yield	66	-	66	
WTP0000429	Glenosheen WTP	200	167	183	No Licence	192	22Hr	183	-	183	
WTP0001118	Kilmallock WTP	1 850	1 542	1 696	No Licence	3 994	22Hr	1 696	-	1 696	Significant Reduction
WTP0001067	Jamestown WTP	3 000	2 500	2 750	No Licence	2 873	22Hr	2 750	-	2 750	
TOTAL		5 150	4 292	4 721	-	7 126		4 696	-	4 696	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	4 277	4 277	4 698	5 150	2 717	2 687	2 822	2 965	
2025	4 276	4 276	4 697	5 150	2 702	2 671	2 803	2 947	
2030	4 275	4 275	4 696	5 150	2 684	2 650	2 779	2 923	
2035	4 275	4 275	4 696	5 150	2 666	2 631	2 756	2 899	
2040	4 274	4 275	4 696	5 150	2 649	2 611	2 733	2 874	
2044	4 274	4 275	4 696	5 150	2 635	2 597	2 714	2 855	

WRZ CODE	1900SC0016	WRZ Name	Rockhill & Bruree	Study Area	8	Study Group		Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	116
Non-Domestic Demand (m ³ /day)	75
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	6
Leakage (m ³ /day)	299
Demand (m³/day)	501

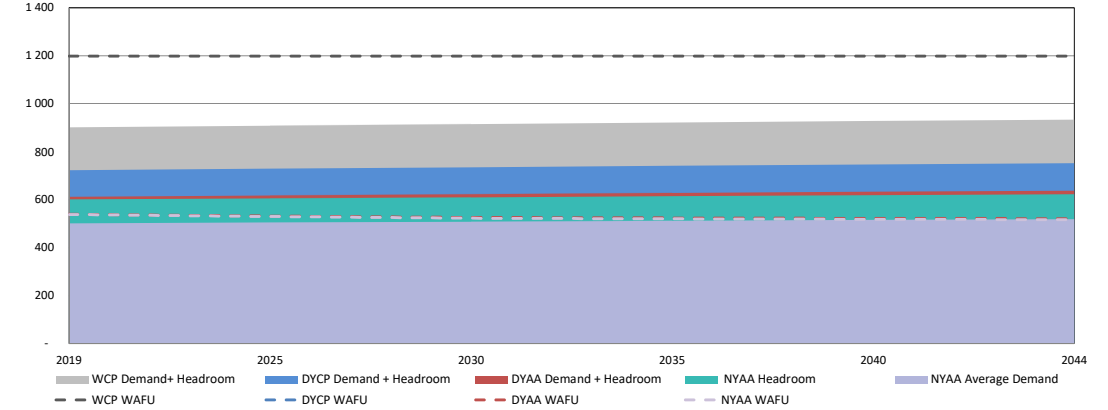
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	501	100	601	612	723	902
2025	505	101	606	618	729	908
2030	508	102	610	623	735	915
2035	512	102	614	628	741	921
2040	515	103	619	633	747	928
2044	518	104	622	637	752	933

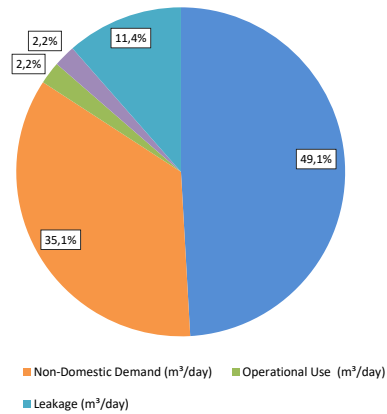
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000325	Bruree WTP	400	333	367	No Licence	287	Yield	284	-	284	
WTP0000673	Rockhill WTP	800	667	733	No Licence	239	Yield	237	-	237	
TOTAL		1 200	1 000	1 100	-	527		522	-	522	

Year	WAFU					Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	539	540	540	1 200	62	73	183	298		
2025	530	532	532	1 200	75	85	197	292		
2030	523	526	526	1 200	87	97	209	285		
2035	521	525	525	1 200	93	104	217	279		
2040	519	523	523	1 200	100	110	224	272		
2044	517	522	522	1 200	105	115	230	267		

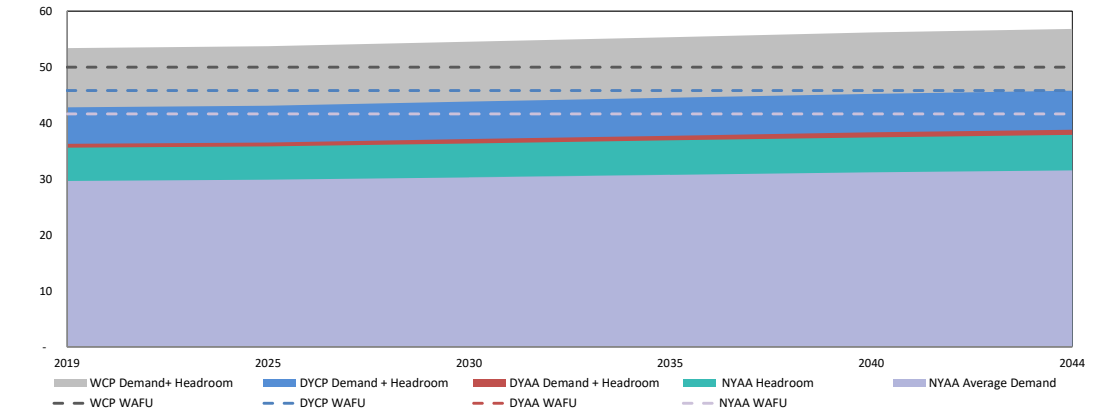
WRZ CODE	1900SC0017	WRZ Name	Athlacca Water Supply	Study Area	8	Study Group		Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	15
Non-Domestic Demand (m ³ /day)	10
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	3
Demand (m³/day)	30

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	30	6	36	36	43	53
2025	30	6	36	37	43	54
2030	30	6	36	37	44	55
2035	31	6	37	38	45	55
2040	31	6	37	38	45	56
2044	32	6	38	39	46	57

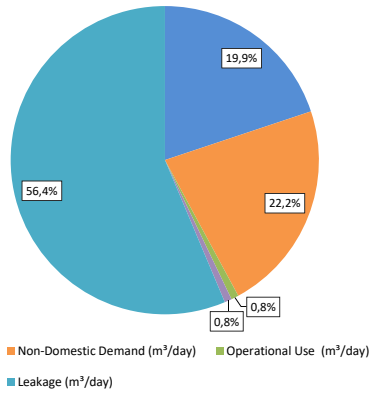
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000056	Athlacca WTP	50	42	46	No Licence	48	22Hr	46	-	46	
TOTAL											
		50	42	46	-	48		46	-	46	

Year	WAFU			Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	
2019	42	42	46	50	6	5	3	3	3	
2025	42	42	46	50	6	5	3	4	4	
2030	42	42	46	50	5	5	2	5	5	
2035	42	42	46	50	5	4	1	5	5	
2040	42	42	46	50	4	3	1	6	6	
2044	42	42	46	50	4	3	0	7	7	

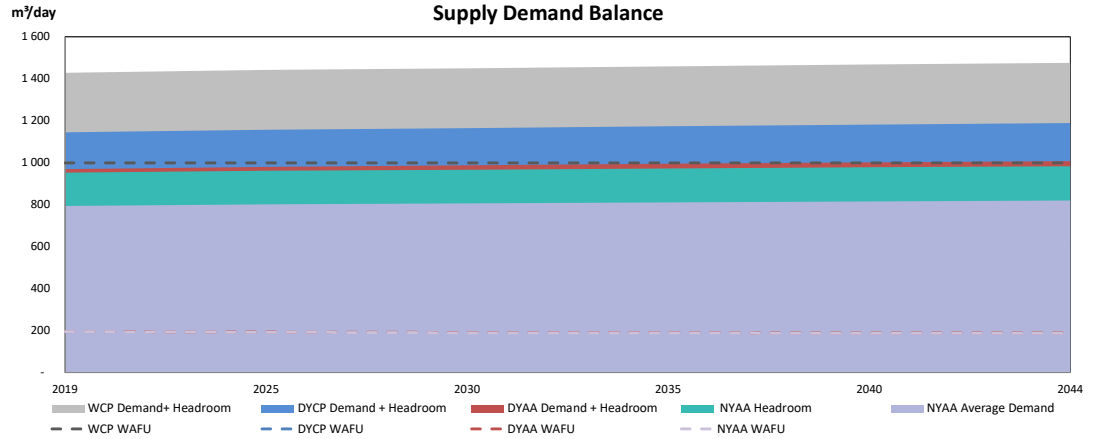
WRZ CODE	1900SC0018	WRZ Name	CastletownBallygran Water	Study Area	J	Study Group		Local Authority	Limerick
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Base Demand in	2019
Domestic Demand (m ³ /day)	158
Non-Domestic Demand (m ³ /day)	176
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	6
Leakage (m ³ /day)	447
Demand (m³/day)	794

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	794	159	952	970	1145	1428
2025	801	160	961	981	1157	1442
2030	806	161	967	988	1165	1451
2035	811	162	973	995	1174	1459
2040	816	163	979	1002	1182	1468
2044	820	164	984	1007	1189	1475

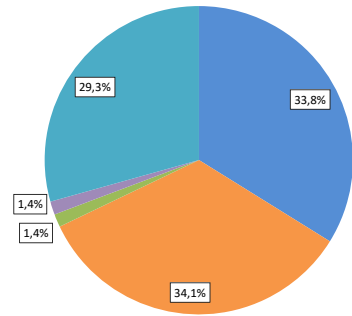
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000149	Ballygran WTP	1 000	833	917	No Licence	192	Yield	190	-	190	
TOTAL		1 000	833	917	-	192		190	-	190	

Year	WAFU				Supply Demand Balance								
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	196	196	196	196	1 000	-	756	-	774	-	948	-	428
2025	193	194	194	194	1 000	-	768	-	787	-	963	-	442
2030	190	191	191	191	1 000	-	777	-	796	-	974	-	451
2035	189	191	191	191	1 000	-	784	-	804	-	983	-	459
2040	189	190	190	190	1 000	-	790	-	812	-	992	-	468
2044	188	190	190	190	1 000	-	795	-	817	-	999	-	475

WRZ CODE	1900SC0019	WRZ Name	South West Regional	Study Area	8	Study Group		Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 820
Non-Domestic Demand (m ³ /day)	1 836
Operational Use (m ³ /day)	74
Apparent Losses (m ³ /day)	74
Leakage (m ³ /day)	1 579
Demand (m³/day)	5 382

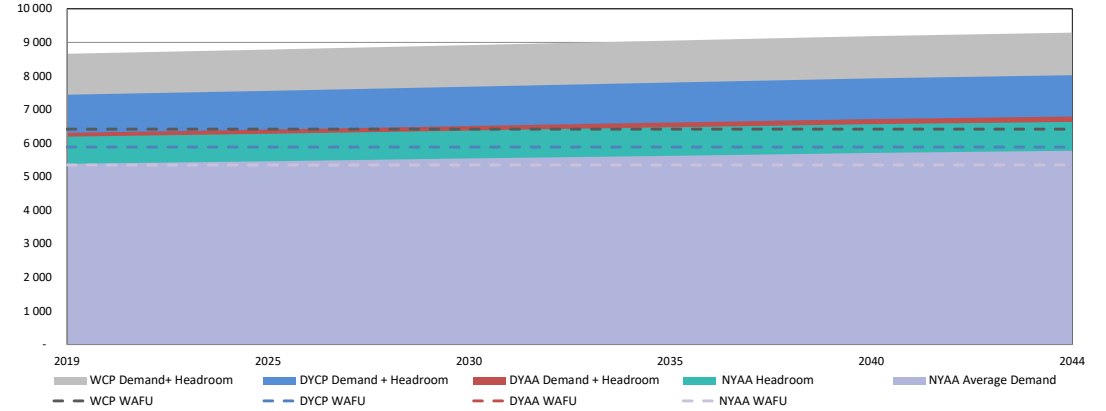
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5 382	807	6 189	6 305	7 440	8 665
2025	5 460	819	6 278	6 405	7 557	8 790
2030	5 541	831	6 372	6 508	7 679	8 921
2035	5 623	843	6 466	6 612	7 802	9 053
2040	5 705	856	6 560	6 717	7 924	9 184
2044	5 770	865	6 635	6 793	8 021	9 290

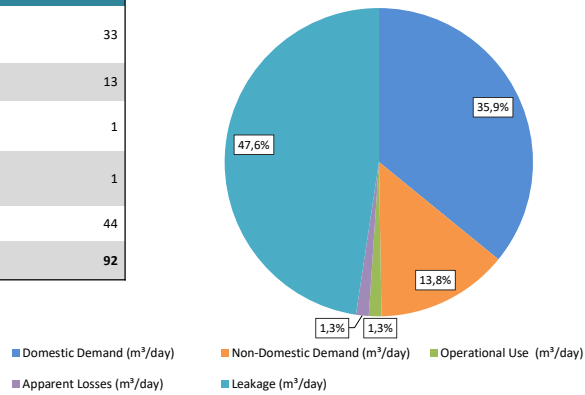
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP000058	Castlemahon WTP	3 120	2 600	2 860	No Licence	9 970	22Hr	2 860	-	2 860	Significant Reduction
WTP1000073	Tobergal WTP	3 300	2 750	3 025	No Licence	3 161	22Hr	3 025	-	3 025	
TOTAL		6 420	5 350	5 885	-	13 131		5 885	-	5 885	

Year	WAFU					Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5 350	5 350	5 885	6 420	839	955	1 555	2 245				
2025	5 350	5 350	5 885	6 420	928	1 055	1 672	2 370				
2030	5 350	5 350	5 885	6 420	1 022	1 158	1 794	2 501				
2035	5 350	5 350	5 885	6 420	1 116	1 262	1 917	2 633				
2040	5 350	5 350	5 885	6 420	1 210	1 367	2 039	2 764				
2044	5 350	5 350	5 885	6 420	1 285	1 443	2 136	2 870				

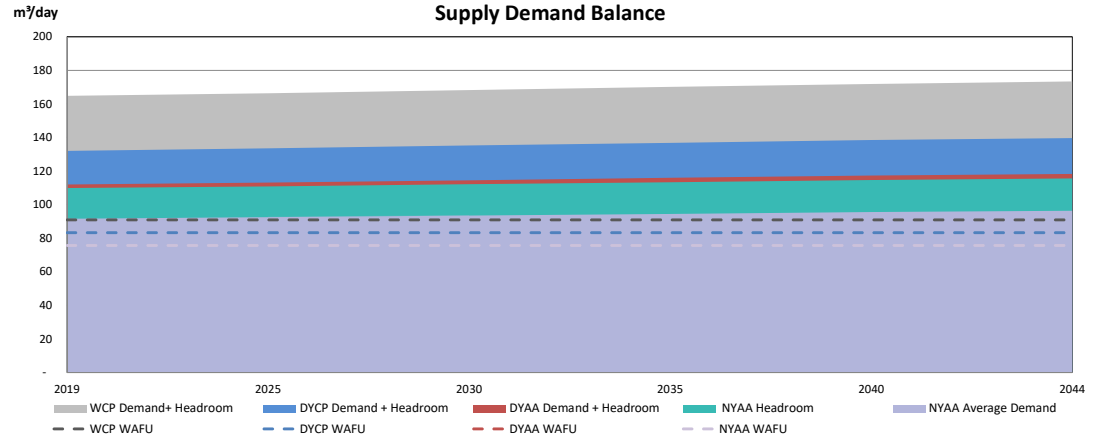
WRZ CODE	1900SC0020	WRZ Name	Carrigkerry Water Supply	Study Area	8	Study Group		Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	33
Non-Domestic Demand (m ³ /day)	13
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	44
Demand (m³/day)	92

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	92	18	110	112	132	165
2025	92	18	111	113	134	166
2030	93	19	112	115	135	168
2035	95	19	113	116	137	170
2040	96	19	115	117	138	172
2044	96	19	116	118	140	173

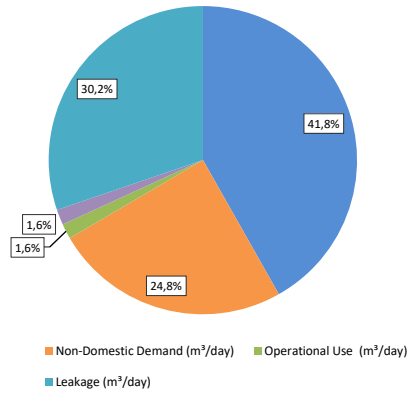
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000487	Carrigkerry WTP	91	76	83	No Licence	115	22Hr	83	-	83	
TOTAL		91	76	83	-	115		83	-	83	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	76	76	83	91	34	36	49	74
2025	76	76	83	91	35	37	50	75
2030	76	76	83	91	36	39	52	77
2035	76	76	83	91	38	40	53	79
2040	76	76	83	91	39	42	55	81
2044	76	76	83	91	40	43	56	82

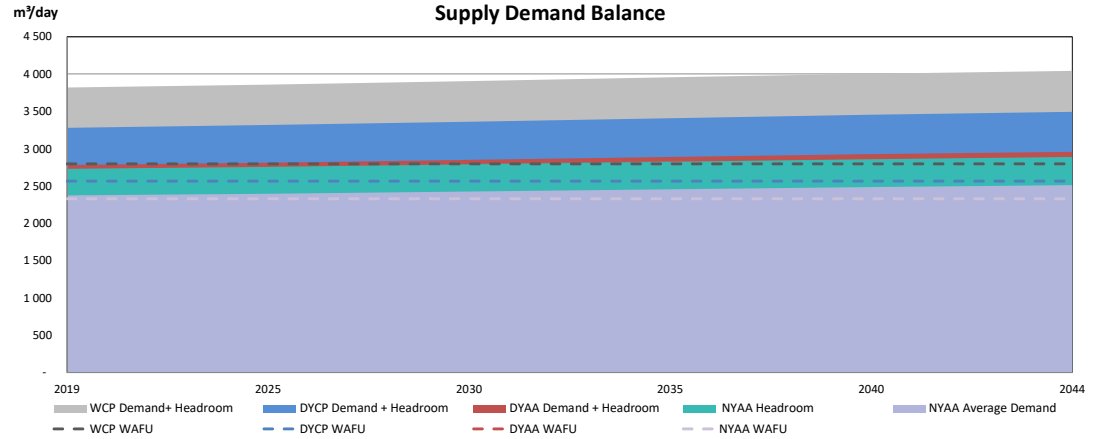
WRZ CODE	1900SC0021	WRZ Name	Abbeyfeale Water Supply	Study Area	H	Study Group	Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	992
Non-Domestic Demand (m ³ /day)	588
Operational Use (m ³ /day)	38
Apparent Losses (m ³ /day)	38
Leakage (m ³ /day)	718
Demand (m³/day)	2 374

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 374	356	2 730	2 781	3 282	3 822
2025	2 396	359	2 755	2 811	3 317	3 858
2030	2 427	364	2 791	2 850	3 363	3 907
2035	2 457	369	2 826	2 890	3 410	3 956
2040	2 488	373	2 861	2 930	3 456	4 006
2044	2 513	377	2 890	2 958	3 493	4 046

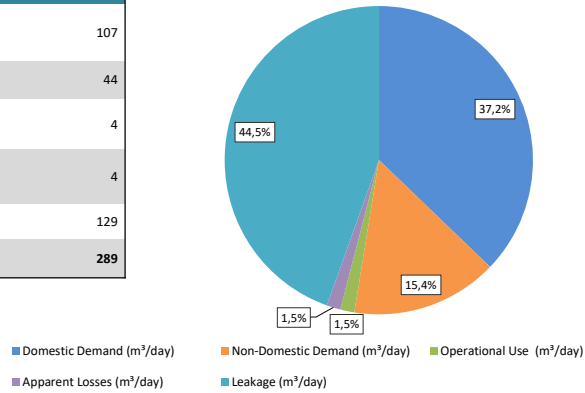
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000028	Abbeyfeale WTP	2 800	2 333	2 567	No Licence	13 517	22Hr	2 567	-	2 567	Significant Reduction
TOTAL		2 800	2 333	2 567	-	13 517		2 567	-	2 567	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	2 333	2 333	2 567	2 800	397	448	715	1 022	2 333	2 333	2 567
2025	2 333	2 333	2 567	2 800	422	478	750	1 058	2 333	2 333	2 567
2030	2 333	2 333	2 567	2 800	457	517	796	1 107	2 333	2 333	2 567
2035	2 333	2 333	2 567	2 800	493	556	843	1 156	2 333	2 333	2 567
2040	2 333	2 333	2 567	2 800	528	596	889	1 206	2 333	2 333	2 567
2044	2 333	2 333	2 567	2 800	556	625	926	1 246	2 333	2 333	2 567

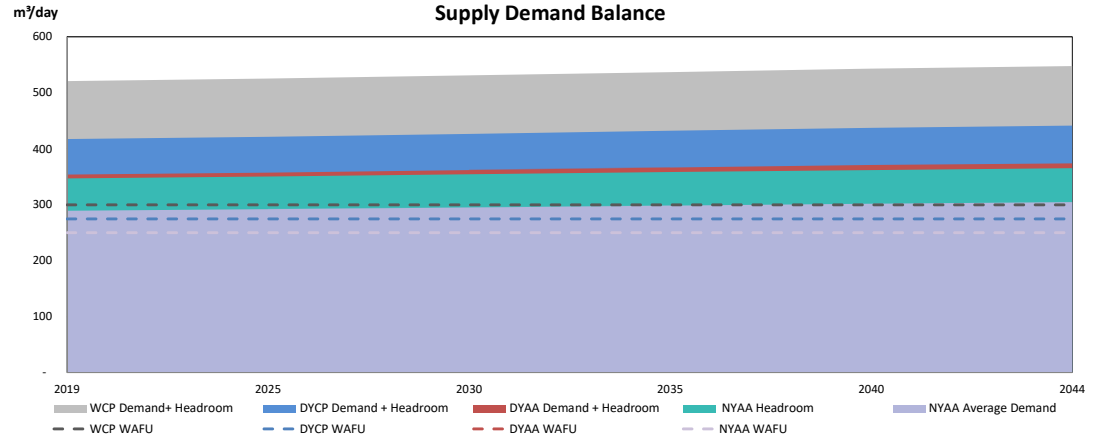
WRZ CODE	1900SC0022	WRZ Name	Glin Water Supply	Study Area	8	Study Group		Local Authority	Limerick
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Base Demand in	2019
Domestic Demand (m ³ /day)	107
Non-Domestic Demand (m ³ /day)	44
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	129
Demand (m³/day)	289

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	289	58	347	354	417	521
2025	292	58	350	357	421	525
2030	295	59	354	362	427	531
2035	298	60	358	366	432	537
2040	302	60	362	371	437	543
2044	304	61	365	374	442	548

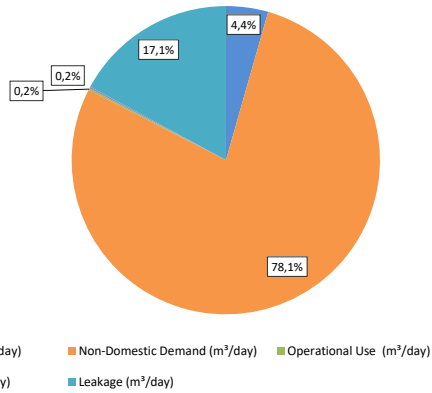
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001021	Glin WTP	300	250	275	No Licence	287	22Hr	275	-	275	
TOTAL		300	250	275	-	287		275	-	275	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	250	250	275	300	97	104	142	221	-	-	-	-
2025	250	250	275	300	100	107	146	225	-	-	-	-
2030	250	250	275	300	104	112	152	231	-	-	-	-
2035	250	250	275	300	108	116	157	237	-	-	-	-
2040	250	250	275	300	112	121	162	243	-	-	-	-
2044	250	250	275	300	115	124	167	248	-	-	-	-

WRZ CODE	1900SC0024	WRZ Name	Shannon Estuary Water Supply	Study Area	8	Study Group		Local Authority	Limerick
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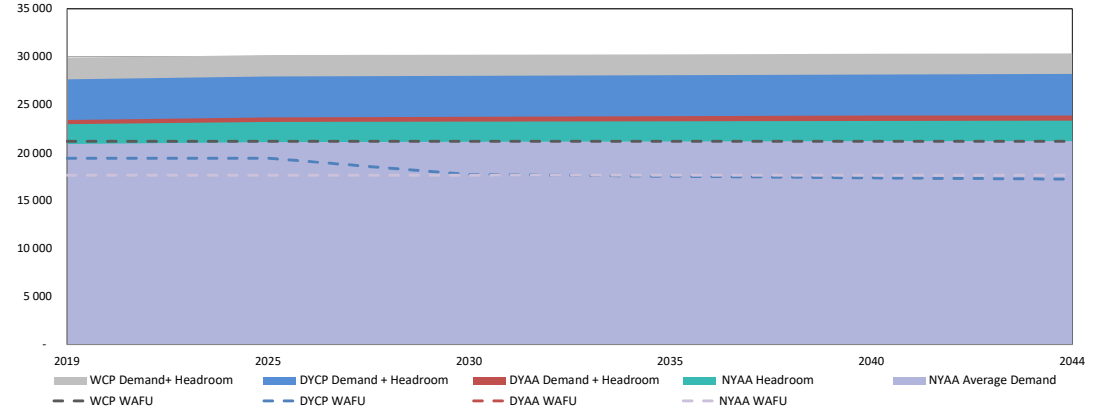
Base Demand in 2019	
Domestic Demand (m ³ /day)	924
Non-Domestic Demand (m ³ /day)	16 326
Operational Use (m ³ /day)	36
Apparent Losses (m ³ /day)	36
Leakage (m ³ /day)	3 576
Demand (m³/day)	20 899

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	20 899	2 090	22 989	23 420	27 634	29 886
2025	21 105	2 111	23 216	23 683	27 945	30 180
2030	21 134	2 113	23 247	23 743	28 015	30 221
2035	21 162	2 116	23 279	23 804	28 087	30 262
2040	21 191	2 119	23 310	23 865	28 154	30 303
2044	21 214	2 121	23 335	23 891	28 207	30 336

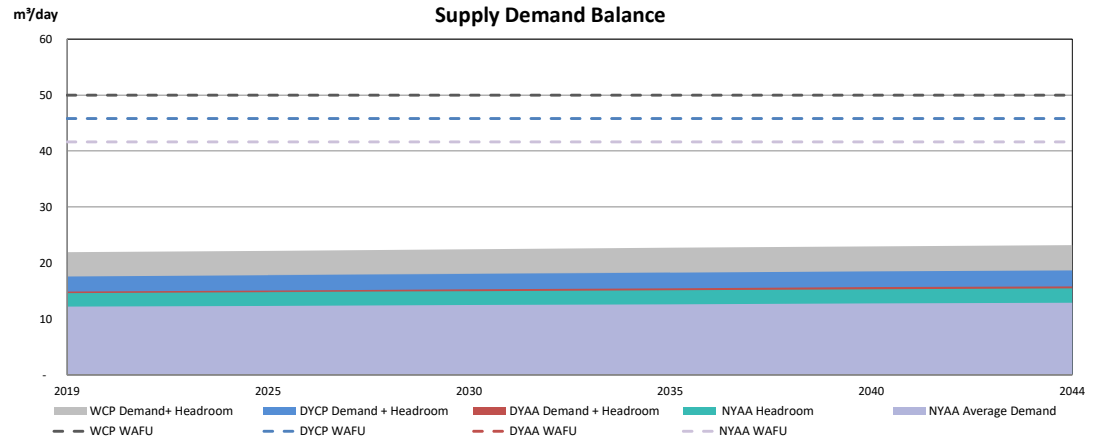
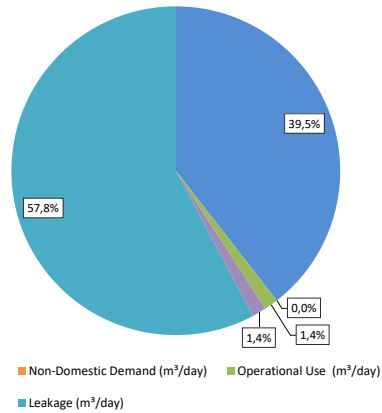
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000405	Foynes (Aughinish) WTP	22 320	18 600	20 460	No Licence	19 644	Yield	18 171 -	909	17 262	Significant Reduction
TOTAL		22 320	18 600	20 460	-	19 644		18 171 -	909	17 262	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	17 670	17 670	19 437	21 204 -	5 319 -	5 750 -	8 197 -	8 682	
2025	17 670	17 670	19 437	21 204 -	5 546 -	6 013 -	8 508 -	8 976	
2030	17 670	17 670	17 744	21 204 -	5 577 -	6 073 -	10 271 -	9 017	
2035	17 670	17 670	17 562	21 204 -	5 609 -	6 134 -	10 525 -	9 058	
2040	17 670	17 670	17 395	21 204 -	5 640 -	6 195 -	10 759 -	9 099	
2044	17 670	17 670	17 262	21 204 -	5 665 -	6 221 -	10 945 -	9 132	

WRZ CODE	1900SC0026	WRZ Name	Anglesboro Water Supply	Study Area	K	Study Group		Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	7
Demand (m³/day)	12

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	12	2	15	15	18	22
2025	12	2	15	15	18	22
2030	12	2	15	15	18	22
2035	13	3	15	15	18	23
2040	13	3	15	16	19	23
2044	13	3	15	16	19	23

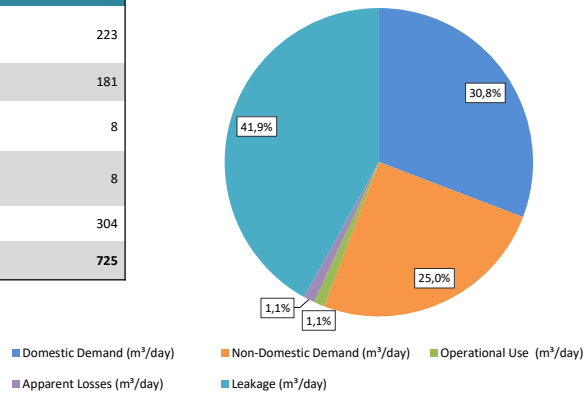
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000095	Anglesboro WTP	50	42	46	No Licence	48	22Hr	46	-	46	
TOTAL		50	42	46	-	48		46	-	46	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	42	42	46	50	27	27	28	28	27	27	28	28
2025	42	42	46	50	27	27	28	28	27	27	28	28
2030	42	42	46	50	27	26	28	28	27	26	28	28
2035	42	42	46	50	27	26	28	28	27	26	28	27
2040	42	42	46	50	26	26	27	27	26	26	27	27
2044	42	42	46	50	26	26	27	27	26	26	27	27

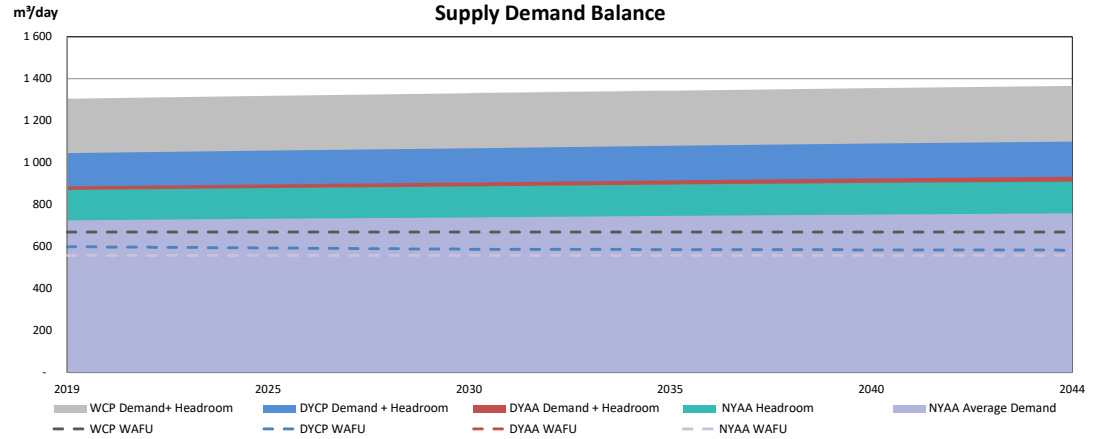
WRZ CODE	1900SC0028	WRZ Name	Croom Water Supply	Study Area	8	Study Group		Local Authority	Limerick
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Base Demand in	2019
Domestic Demand (m ³ /day)	223
Non-Domestic Demand (m ³ /day)	181
Operational Use (m ³ /day)	8
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	304
Demand (m³/day)	725

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	725	145	870	887	1 046	1 305
2025	732	146	879	897	1 058	1 318
2030	739	148	887	906	1 069	1 331
2035	746	149	895	916	1 080	1 343
2040	753	151	904	925	1 092	1 356
2044	759	152	910	932	1 100	1 366

Water Available for Use in 2044 DYCP

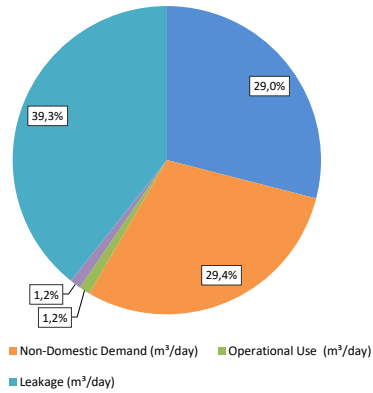
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000701	Skagh Well WTP	120	100	110	No Licence	766	22Hr	110	-	110	
WTP0000638	Croom Bypass WTP	550	458	504	No Licence	479	Yield	474	-	474	Significant Reduction
TOTAL		670	558	614	-	1 245		584	-	584	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	558	558	601	670	312	328	446	635	558	558	601
2025	558	558	594	670	321	338	464	648	558	558	594
2030	558	558	588	670	329	348	481	661	558	558	588
2035	558	558	587	670	337	357	494	673	558	558	587
2040	558	558	585	670	345	367	506	686	558	558	585
2044	558	558	584	670	352	374	516	696	558	558	584

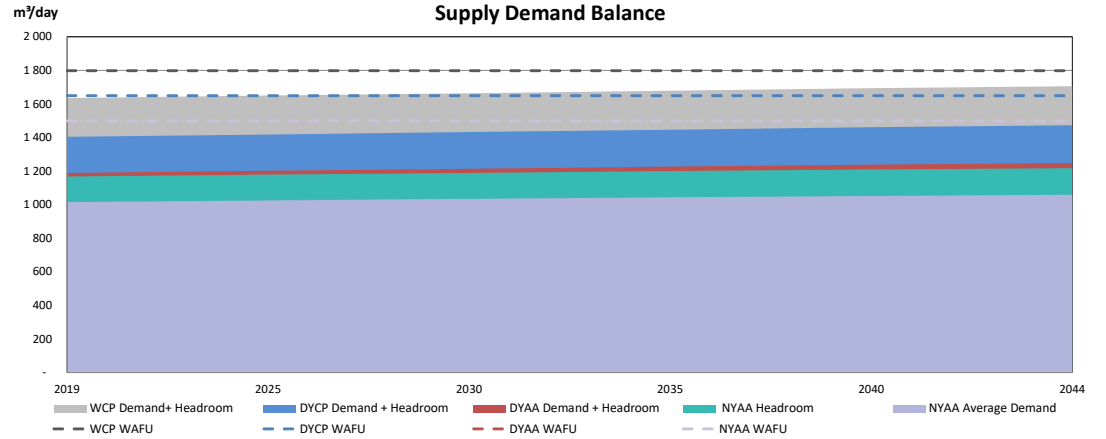
WRZ CODE	1900SC0029	WRZ Name	Adare	Study Area	8	Study Group		Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	295
Non-Domestic Demand (m ³ /day)	298
Operational Use (m ³ /day)	12
Apparent Losses (m ³ /day)	12
Leakage (m ³ /day)	399
Demand (m³/day)	1 016

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 016	152	1 168	1 190	1 404	1 635
2025	1 025	154	1 179	1 202	1 419	1 650
2030	1 034	155	1 189	1 214	1 433	1 665
2035	1 043	156	1 200	1 227	1 447	1 679
2040	1 052	158	1 210	1 239	1 462	1 694
2044	1 060	159	1 218	1 247	1 473	1 706

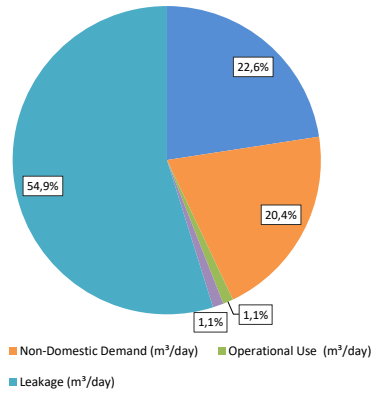
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000072	Adare WTP	1 800	1 500	1 650	No Licence	44 443	22Hr	1 650	-	1 650	
TOTAL		1 800	1 500	1 650	-	44 443		1 650	-	1 650	

Year	WAFU					Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	1 500	1 500	1 650	1 800	332	310	246	165		
2025	1 500	1 500	1 650	1 800	321	298	231	150		
2030	1 500	1 500	1 650	1 800	311	286	217	135		
2035	1 500	1 500	1 650	1 800	300	273	203	121		
2040	1 500	1 500	1 650	1 800	290	261	188	106		
2044	1 500	1 500	1 650	1 800	282	253	177	94		

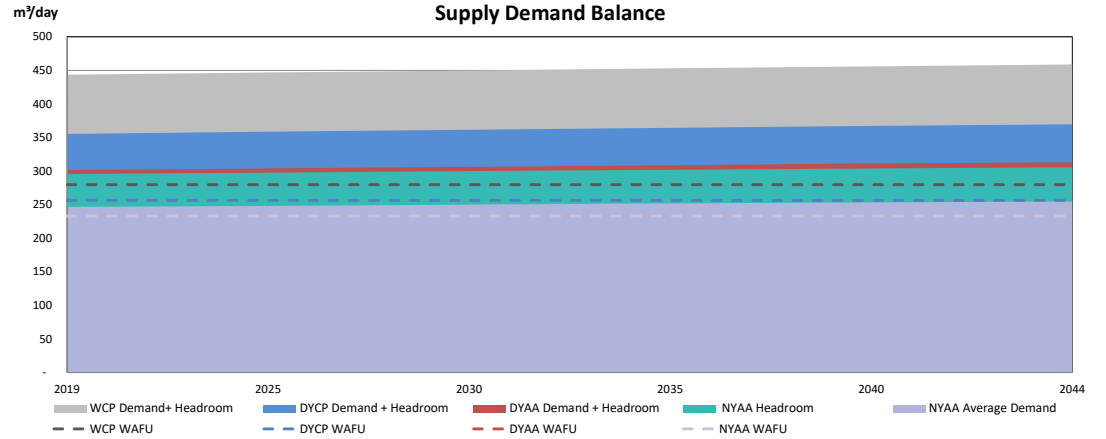
WRZ CODE	1900SC0030	WRZ Name	Kilteely	Study Area	K	Study Group	Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	56
Non-Domestic Demand (m ³ /day)	50
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	135
Demand (m³/day)	246

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	246	49	296	301	356	444
2025	248	50	298	304	359	447
2030	250	50	300	306	362	450
2035	252	50	302	309	364	453
2040	253	51	304	311	367	456
2044	255	51	306	313	370	459

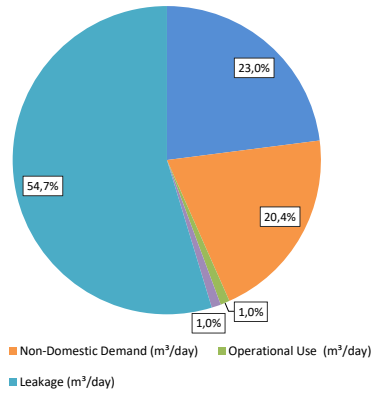
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001135	Kilteely WTP	280	233	257	No Licence	383	22Hr	257	-	257	
TOTAL		280	233	257	-	383		257	-	257	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	233	233	257	280	-	62	-	68	-	99	-	164
2025	233	233	257	280	-	65	-	71	-	102	-	167
2030	233	233	257	280	-	67	-	73	-	105	-	170
2035	233	233	257	280	-	69	-	76	-	108	-	173
2040	233	233	257	280	-	71	-	78	-	111	-	176
2044	233	233	257	280	-	72	-	80	-	113	-	179

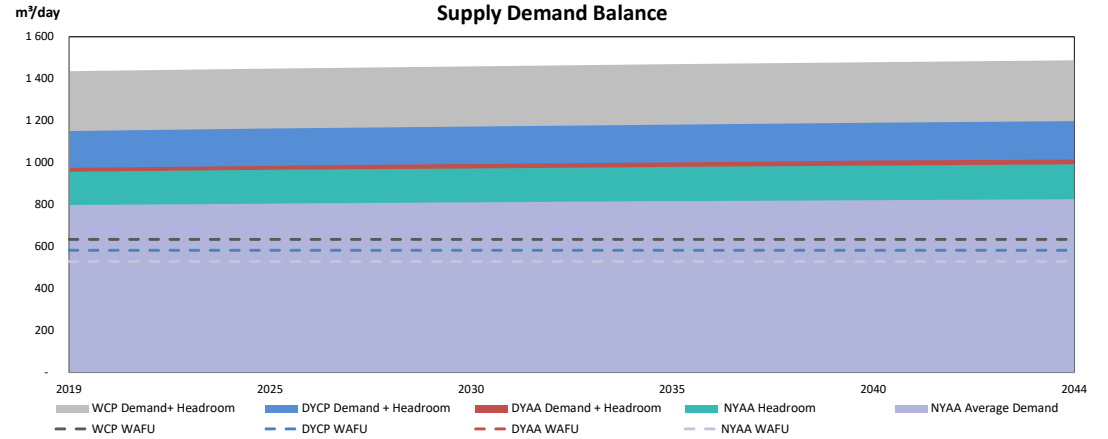
WRZ CODE	1900SC0034	WRZ Name	KilfinnaneArdpatrick Water	Study Area	8	Study Group		Local Authority	Limerick
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Base Demand in 2019	
Domestic Demand (m ³ /day)	183
Non-Domestic Demand (m ³ /day)	162
Operational Use (m ³ /day)	8
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	437
Demand (m³/day)	798

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	798	160	958	976	1 151	1 437
2025	805	161	966	985	1 163	1 449
2030	811	162	973	994	1 172	1 459
2035	816	163	980	1 002	1 182	1 469
2040	822	164	986	1 010	1 191	1 480
2044	827	165	992	1 015	1 199	1 488

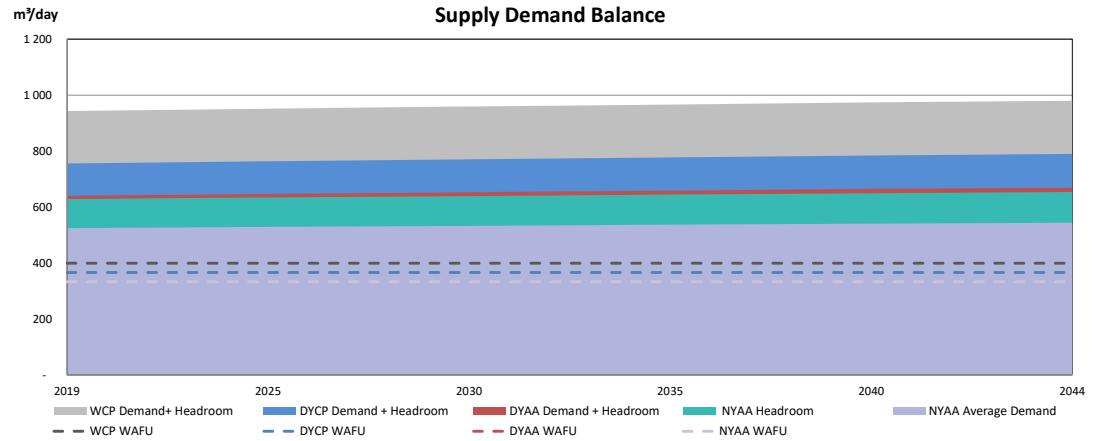
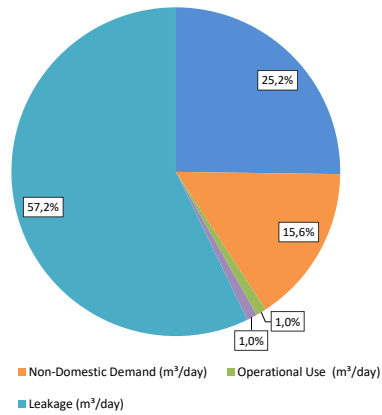
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000047	Ardpatrick WTP	136	113	125	No Licence	814	22Hr	125	-	125	Significant Reduction
WTP0001096	Kilfinnane WTP	500	417	458	No Licence	753	22Hr	458	-	458	Significant Reduction
TOTAL		636	530	583	-	1 567		583	-	583	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	530	530	583	636	428	446	568	801	428	446	568
2025	530	530	583	636	436	455	580	813	436	455	580
2030	530	530	583	636	443	464	589	823	443	464	589
2035	530	530	583	636	450	472	599	833	450	472	599
2040	530	530	583	636	456	480	608	844	456	480	608
2044	530	530	583	636	462	485	616	852	462	485	616

WRZ CODE	1900SC0035	WRZ Name	Ballingarry	Study Area	8	Study Group		Local Authority	Limerick
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Base Demand in	2019
Domestic Demand (m ³ /day)	132
Non-Domestic Demand (m ³ /day)	82
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	300
Demand (m³/day)	524

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	524	105	629	641	756	943
2025	529	106	635	647	764	952
2030	533	107	640	653	771	959
2035	537	107	644	659	778	967
2040	541	108	649	665	784	974
2044	544	109	653	669	790	980

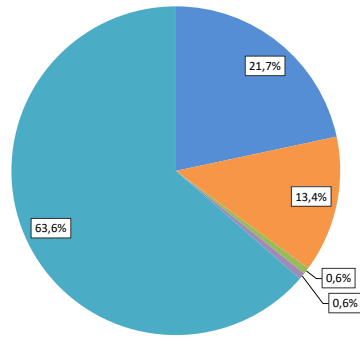
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000084	Ballingarry Spring WTP	400	333	367	No Licence	383	22Hr	367	-	367	
TOTAL		400	333	367	-	383		367	-	367	

Year	WAFU					Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	333	333	367	400	296	307	389	543				
2025	333	333	367	400	301	314	397	552				
2030	333	333	367	400	306	320	404	559				
2035	333	333	367	400	311	326	411	567				
2040	333	333	367	400	316	331	418	574				
2044	333	333	367	400	320	336	423	580				

WRZ CODE	1900SC0036	WRZ Name	Rathkeale	Study Area	8	Study Group		Local Authority	Limerick
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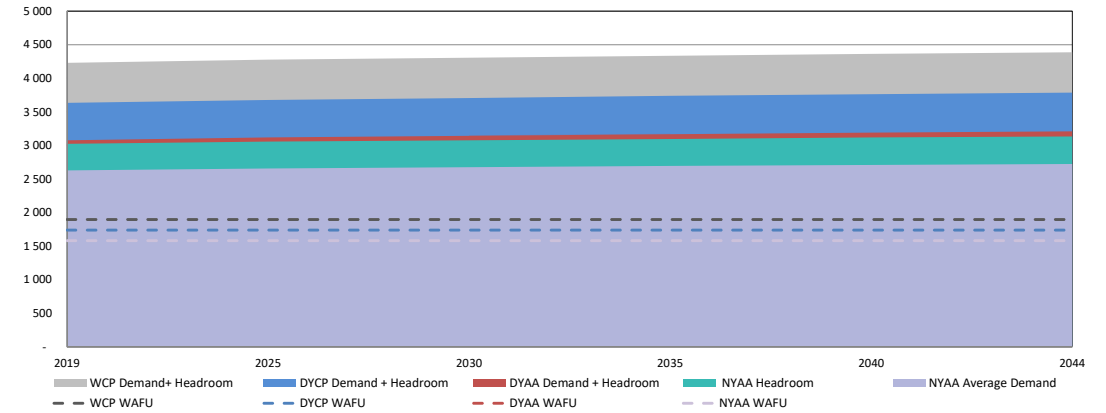
Base Demand in	2019
Domestic Demand (m ³ /day)	569
Non-Domestic Demand (m ³ /day)	353
Operational Use (m ³ /day)	17
Apparent Losses (m ³ /day)	17
Leakage (m ³ /day)	1 672
Demand (m³/day)	2 629

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 629	394	3 023	3 079	3 634	4 232
2025	2 658	399	3 057	3 119	3 680	4 280
2030	2 676	401	3 078	3 143	3 709	4 309
2035	2 694	404	3 098	3 168	3 738	4 337
2040	2 711	407	3 118	3 192	3 766	4 365
2044	2 726	409	3 134	3 209	3 789	4 388

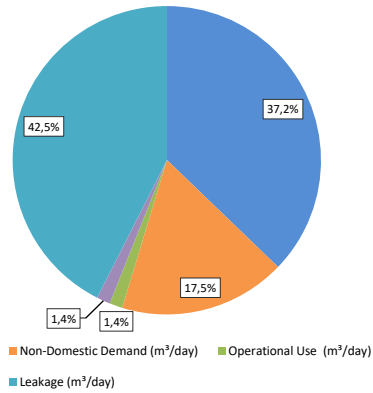
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001089	Kilcolman WTP	900	750	825	No Licence	862	22Hr	825	-	825	Significant Reduction
WTP0000542	Clouncagh WTP	1 000	833	917	No Licence	958	22Hr	917	-	917	
TOTAL		1 900	1 583	1 742	-	1 820		1 742	-	1 742	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 583	1 583	1 742	1 900	1 440	1 496	1 892	2 332	1 892	1 496	1 892	2 332
2025	1 583	1 583	1 742	1 900	1 474	1 535	1 938	2 380	1 938	1 535	1 938	2 380
2030	1 583	1 583	1 742	1 900	1 494	1 560	1 967	2 409	1 967	1 560	1 967	2 409
2035	1 583	1 583	1 742	1 900	1 514	1 584	1 996	2 437	1 996	1 584	1 996	2 437
2040	1 583	1 583	1 742	1 900	1 535	1 609	2 024	2 465	2 024	1 609	2 024	2 465
2044	1 583	1 583	1 742	1 900	1 551	1 626	2 047	2 488	2 047	1 626	2 047	2 488

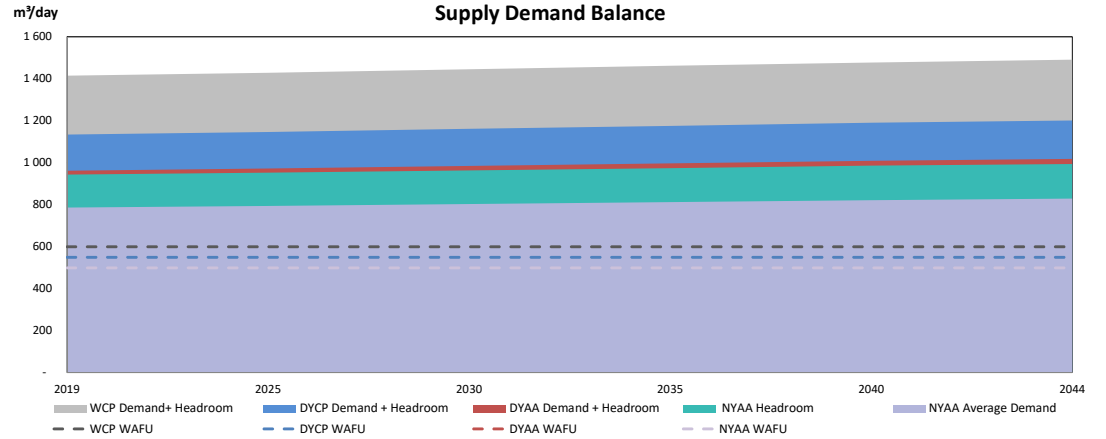
WRZ CODE	1900SC0037	WRZ Name	Murroe	Study Area	8	Study Group		Local Authority	Limerick
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Base Demand in	2019
Domestic Demand (m ³ /day)	293
Non-Domestic Demand (m ³ /day)	137
Operational Use (m ³ /day)	11
Apparent Losses (m ³ /day)	11
Leakage (m ³ /day)	335
Demand (m³/day)	786

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	786	157	944	961	1 134	1 416
2025	794	159	953	972	1 147	1 429
2030	803	161	964	984	1 161	1 446
2035	812	162	975	997	1 176	1 462
2040	821	164	986	1 009	1 190	1 478
2044	829	166	994	1 018	1 202	1 491

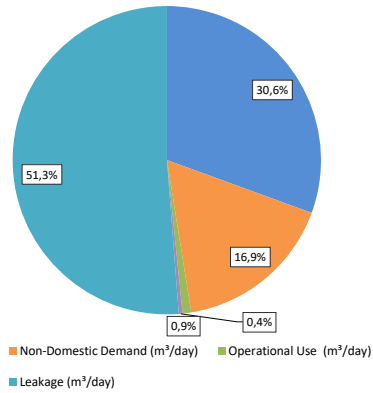
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000311	Murroe (Reservoir) WTP	300	250	275	No Licence	287	22Hr	275	-	275	
WTP0000259	Murroe WTP	300	250	275	No Licence	287	22Hr	275	-	275	
TOTAL		600	500	550	-	575		550	-	550	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WCP (m ³ /day)
2019	500	500	550	600	444	461	584	816	-	816
2025	500	500	550	600	453	472	597	829	-	829
2030	500	500	550	600	464	484	611	846	-	846
2035	500	500	550	600	475	497	626	862	-	862
2040	500	500	550	600	486	509	640	878	-	878
2044	500	500	550	600	494	518	652	891	-	891

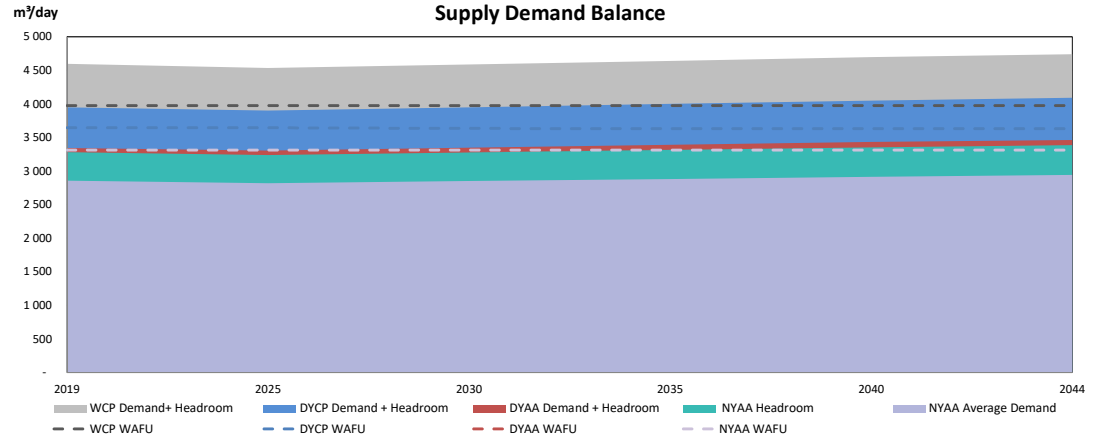
WRZ CODE	2000SC0001	WRZ Name	Lanesboro & Newtowncashel	Study Area	F	Study Group	Local Authority	Longford
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Base Demand in	2019
Domestic Demand (m ³ /day)	873
Non-Domestic Demand (m ³ /day)	483
Operational Use (m ³ /day)	26
Apparent Losses (m ³ /day)	11
Leakage (m ³ /day)	1 464
Demand (m³/day)	2 856

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 856	428	3 284	3 346	3 948	4 598
2025	2 818	423	3 241	3 306	3 901	4 537
2030	2 851	428	3 279	3 349	3 951	4 590
2035	2 884	433	3 317	3 391	4 002	4 643
2040	2 917	438	3 355	3 435	4 052	4 697
2044	2 944	442	3 385	3 466	4 092	4 739

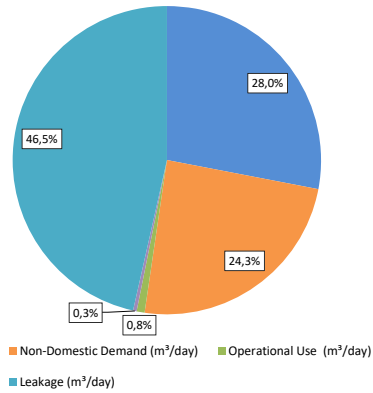
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000121	Newtowncashel WTP	380	317	348	No Licence	345	Yield	334	-	334	
WTP0000180	Lisrevagh WTP	1 600	1 333	1 467	No Licence	1 532	22Hr	1 467	-	1 467	
WTP0001181	ESB Site WTP	2 000	1 667	1 833	No Licence	1 916	22Hr	1 833	-	1 833	
TOTAL		3 980	3 317	3 648	-	3 793		3 634	-	3 634	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	3 317	3 317	3 648	3 980	33	29	299	618	
2025	3 317	3 317	3 648	3 980	76	11	252	557	
2030	3 317	3 317	3 638	3 980	38	32	314	610	
2035	3 317	3 317	3 636	3 980	0	75	365	663	
2040	3 317	3 317	3 635	3 980	38	118	416	717	
2044	3 317	3 317	3 634	3 980	68	149	457	759	

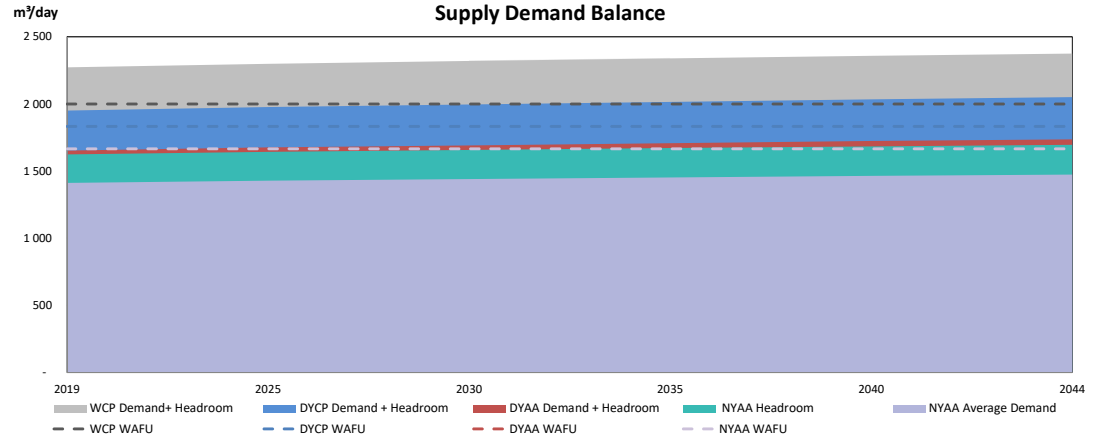
WRZ CODE	2000SC0002	WRZ Name	Granard	Study Area	F	Study Group	Local Authority	Longford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	395
Non-Domestic Demand (m ³ /day)	343
Operational Use (m ³ /day)	12
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	657
Demand (m³/day)	1 412

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 412	212	1 624	1 654	1 952	2 273
2025	1 429	214	1 643	1 676	1 978	2 300
2030	1 441	216	1 657	1 692	1 997	2 320
2035	1 453	218	1 671	1 709	2 016	2 339
2040	1 465	220	1 685	1 725	2 035	2 359
2044	1 475	221	1 696	1 737	2 051	2 375

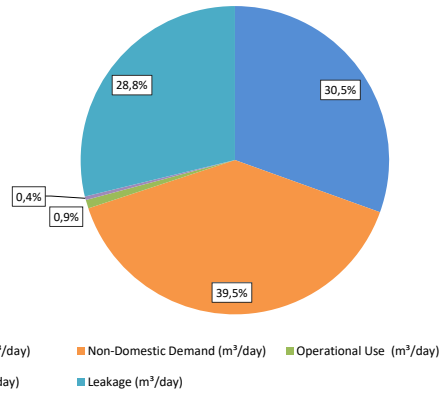
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000143	Lough Kinale WTP	2 000	1 667	1 833	4 300	42 393	22Hr	1 833	-	1 833	Significant Reduction
TOTAL		2 000	1 667	1 833	4 300	42 393		1 833	-	1 833	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 667	1 667	1 833	2 000	43	13	-	118	-	273		
2025	1 667	1 667	1 833	2 000	24	9	-	144	-	300		
2030	1 667	1 667	1 833	2 000	10	26	-	164	-	320		
2035	1 667	1 667	1 833	2 000	4	42	-	183	-	339		
2040	1 667	1 667	1 833	2 000	18	59	-	202	-	359		
2044	1 667	1 667	1 833	2 000	30	70	-	217	-	375		

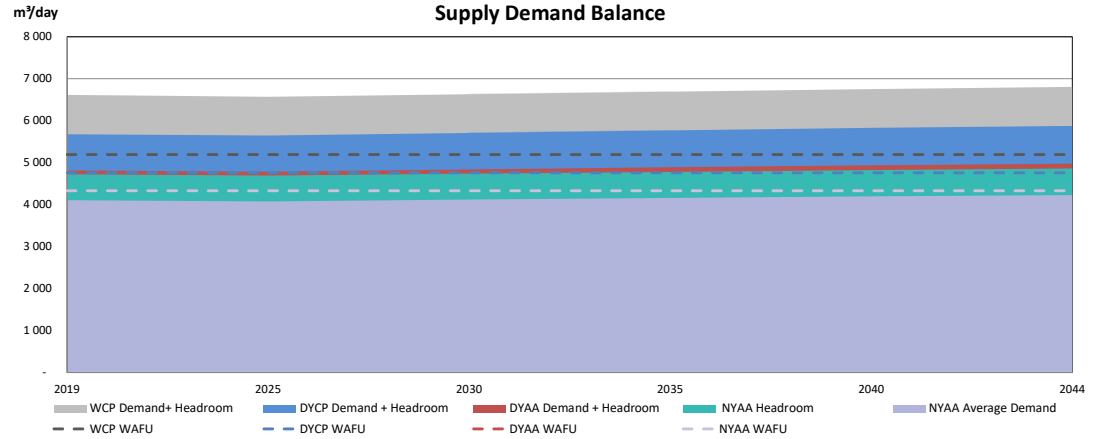
WRZ CODE	2000SC0003	WRZ Name	Ballymahon	Study Area	4	Study Group		Local Authority	Longford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 253
Non-Domestic Demand (m ³ /day)	1 622
Operational Use (m ³ /day)	37
Apparent Losses (m ³ /day)	15
Leakage (m ³ /day)	1 183
Demand (m³/day)	4 110

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4 110	616	4 726	4 815	5 681	6 617
2025	4 080	612	4 692	4 787	5 648	6 569
2030	4 119	618	4 737	4 838	5 709	6 632
2035	4 158	624	4 782	4 889	5 769	6 694
2040	4 197	630	4 826	4 941	5 829	6 757
2044	4 228	634	4 862	4 978	5 877	6 807

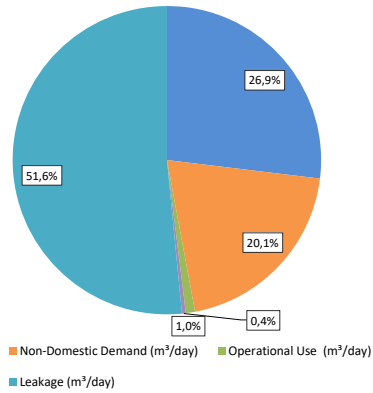
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000029	Abbeyshrule WTP	5 200	4 333	4 767	5 000	79 787	22Hr	4 767	-	4 767	
TOTAL		5 200	4 333	4 767	5 000	79 787		4 767	-	4 767	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)				
2019	4 333	4 333	4 767	5 200	-	393	-	481	-	914	-	1 417
2025	4 333	4 333	4 767	5 200	-	359	-	453	-	881	-	1 369
2030	4 333	4 333	4 767	5 200	-	404	-	505	-	942	-	1 432
2035	4 333	4 333	4 767	5 200	-	448	-	556	-	1 003	-	1 494
2040	4 333	4 333	4 767	5 200	-	493	-	608	-	1 062	-	1 557
2044	4 333	4 333	4 767	5 200	-	529	-	644	-	1 110	-	1 607

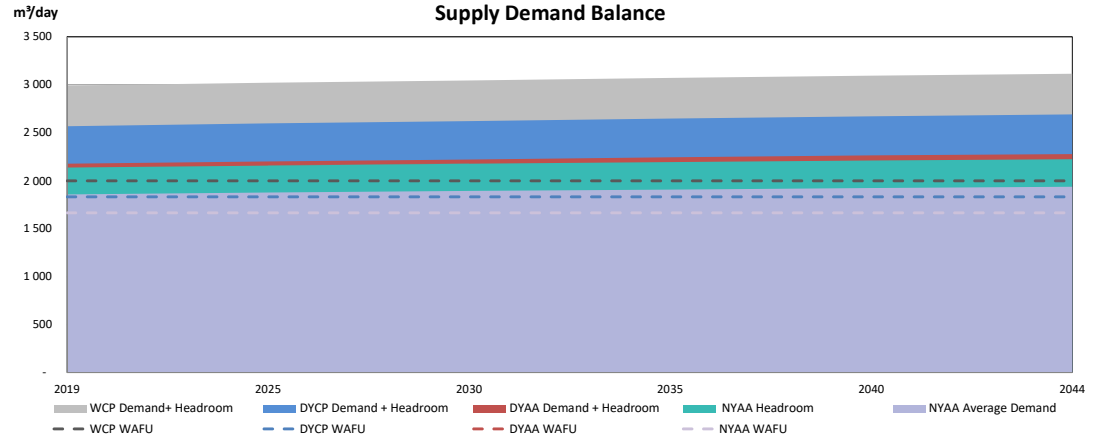
WRZ CODE	2000SC0004	WRZ Name	Gowna	Study Area	B	Study Group		Local Authority	Longford
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Base Demand in	2019
Domestic Demand (m ³ /day)	500
Non-Domestic Demand (m ³ /day)	374
Operational Use (m ³ /day)	18
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	958
Demand (m³/day)	1 858

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 858	279	2 136	2 177	2 568	2 991
2025	1 877	281	2 158	2 201	2 598	3 021
2030	1 892	284	2 176	2 222	2 622	3 046
2035	1 908	286	2 194	2 243	2 647	3 071
2040	1 923	288	2 211	2 264	2 671	3 096
2044	1 935	290	2 226	2 279	2 690	3 116

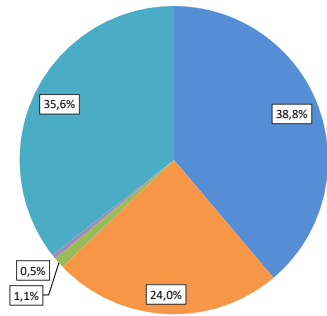
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000707	Smear WTP	2 000	1 667	1 833	5 000	40 620	22Hr	1 833	-	1 833	Significant Reduction
TOTAL		2 000	1 667	1 833	5 000	40 620		1 833	-	1 833	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	1 667	1 667	1 833	2 000	470	510	735	991	991	991
2025	1 667	1 667	1 833	2 000	491	535	764	1 021	1 021	1 021
2030	1 667	1 667	1 833	2 000	509	556	789	1 046	1 046	1 046
2035	1 667	1 667	1 833	2 000	527	576	813	1 071	1 071	1 071
2040	1 667	1 667	1 833	2 000	545	597	838	1 096	1 096	1 096
2044	1 667	1 667	1 833	2 000	559	612	857	1 116	1 116	1 116

WRZ CODE	2000SC0005	WRZ Name	Longford Central	Study Area	F	Study Group		Local Authority	Longford
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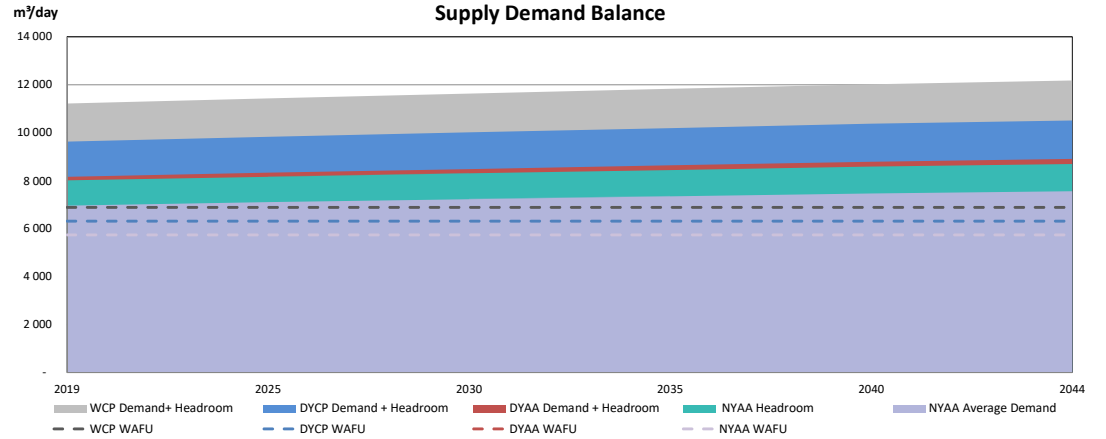
Base Demand in	2019
Domestic Demand (m ³ /day)	2 703
Non-Domestic Demand (m ³ /day)	1 674
Operational Use (m ³ /day)	78
Apparent Losses (m ³ /day)	33
Leakage (m ³ /day)	2 477
Demand (m³/day)	6 964

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	6 964	1 045	8 009	8 159	9 627	11 213
2025	7 102	1 065	8 167	8 331	9 830	11 434
2030	7 224	1 084	8 308	8 485	10 012	11 631
2035	7 346	1 102	8 448	8 639	10 193	11 828
2040	7 469	1 120	8 589	8 793	10 374	12 025
2044	7 567	1 135	8 702	8 909	10 518	12 182

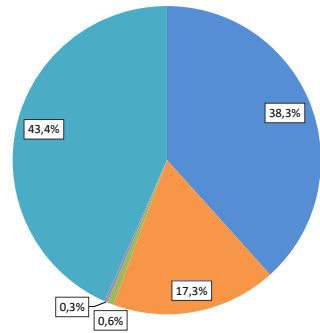
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000134	Lough Forbes	6 900	5 750	6 325	12 581	244 775	22Hr	6 325	-	6 325	
TOTAL		6 900	5 750	6 325	12 581	244 775		6 325	-	6 325	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	5 750	5 750	6 325	6 900	2 259	2 409	3 302	4 313	
2025	5 750	5 750	6 325	6 900	2 417	2 581	3 505	4 534	
2030	5 750	5 750	6 325	6 900	2 558	2 735	3 687	4 731	
2035	5 750	5 750	6 325	6 900	2 698	2 889	3 868	4 928	
2040	5 750	5 750	6 325	6 900	2 839	3 043	4 049	5 125	
2044	5 750	5 750	6 325	6 900	2 952	3 159	4 193	5 282	

WRZ CODE	2100SC0001	WRZ Name	South Louth & East Meath	Study Area	3	Study Group		Local Authority	Louth
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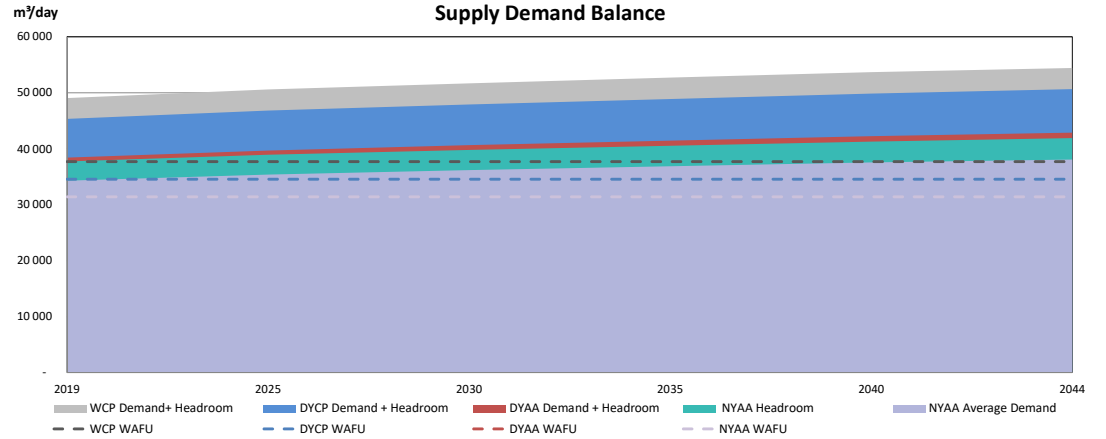
Base Demand in 2019	
Domestic Demand (m ³ /day)	13 142
Non-Domestic Demand (m ³ /day)	5 943
Operational Use (m ³ /day)	219
Apparent Losses (m ³ /day)	114
Leakage (m ³ /day)	14 885
Demand (m³/day)	34 303

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	34 303	3 430	37 733	38 440	45 357	49 053
2025	35 371	3 537	38 908	39 691	46 833	50 580
2030	36 161	3 616	39 777	40 625	47 935	51 710
2035	36 847	3 685	40 532	41 446	48 903	52 691
2040	37 533	3 753	41 286	42 270	49 866	53 672
2044	38 082	3 808	41 890	42 888	50 635	54 457

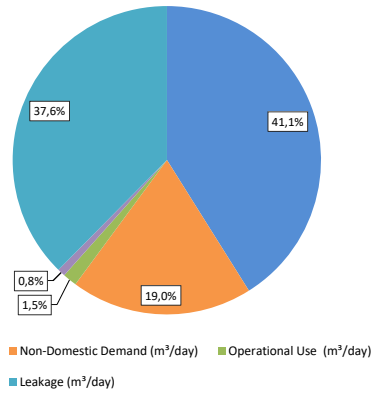
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000652	Rath WTP	500	417	458	No Licence	479	22Hr	458	-	458	
WTP0000664	Currigha WTP	1 100	917	1 008	No Licence	2 735	22Hr	1 008	-	1 008	
WTP0001138	Kiltrough WTP	2 600	2 167	2 383	No Licence	5 555	22Hr	2 383	-	2 383	
WTP0000378	Dunshaughlin WTP	3 600	3 000	3 300	No Licence	4 981	22Hr	3 300	-	3 300	
WTP0000716	Staleen WTP	31 500	26 250	28 875	No Licence	150 636	22Hr	28 875	-	1 444	Demand > Safe Production Capacity
TOTAL		39 300	32 750	36 025	-	164 385		36 025	-	1 444	34 581

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)				
2019	31 438	31 438	34 581	37 725	-	6 296	-	7 003	-	10 776	-	11 328
2025	31 438	31 438	34 581	37 725	-	7 470	-	8 254	-	12 252	-	12 855
2030	31 438	31 438	34 581	37 725	-	8 339	-	9 188	-	13 354	-	13 985
2035	31 438	31 438	34 581	37 725	-	9 094	-	10 008	-	14 322	-	14 966
2040	31 438	31 438	34 581	37 725	-	9 849	-	10 832	-	15 285	-	15 947
2044	31 438	31 438	34 581	37 725	-	10 453	-	11 450	-	16 054	-	16 732

WRZ CODE	2100SC0002	WRZ Name	Cavanhill & North Louth	Study Area	E	Study Group	Local Authority	Louth
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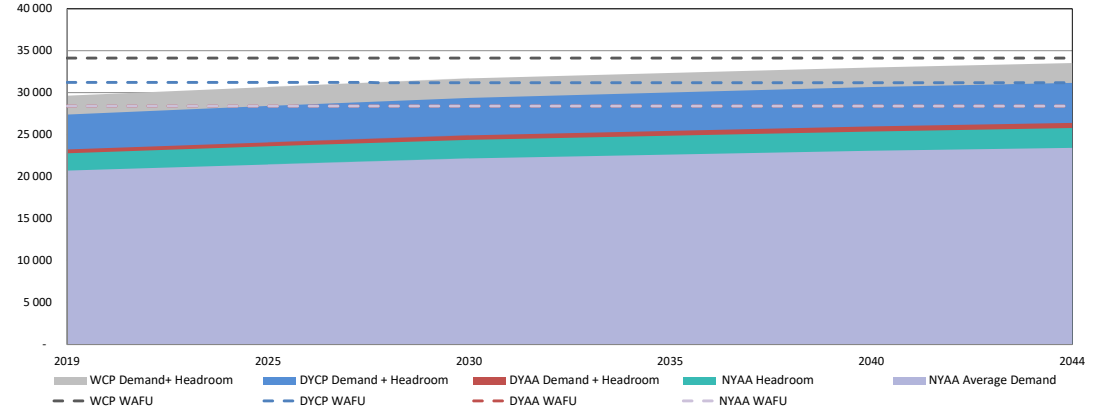
Base Demand in 2019	
Domestic Demand (m ³ /day)	8 513
Non-Domestic Demand (m ³ /day)	3 947
Operational Use (m ³ /day)	311
Apparent Losses (m ³ /day)	163
Leakage (m ³ /day)	7 795
Demand (m³/day)	20 729

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	20 729	2 073	22 801	23 228	27 408	29 642
2025	21 466	2 147	23 612	24 088	28 422	30 696
2030	22 170	2 217	24 387	24 907	29 389	31 703
2035	22 628	2 263	24 890	25 452	30 031	32 357
2040	23 086	2 309	25 394	25 999	30 671	33 012
2044	23 452	2 345	25 797	26 412	31 183	33 536

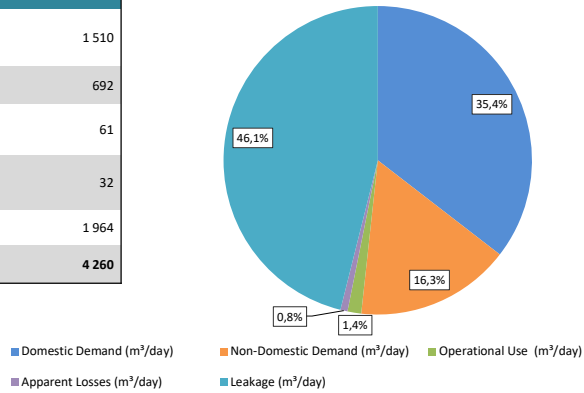
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001219	Carlingford WTP	500	417	458	No Licence	402	Yield	398	-	398	Significant Reduction
WTP0000726	Tallanstown WTP	1 200	1 000	1 100	No Licence	13 439	22Hr	1 100	-	1 100	
WTP0000336	Carlingford BH	1 200	1 000	1 100	No Licence	1 149	22Hr	1 100	-	1 100	
WTP0000048	Ardtullybeg WTP	2 600	2 167	2 383	No Licence	4 253	22Hr	2 383	-	2 383	
WTP0001217	Greenmount WTP	2 700	2 250	2 475	No Licence	15 232	22Hr	2 475	-	2 475	
WTP0000509	Cavanhill WTP	27 300	22 750	25 025	36 400	38 118	22Hr	25 025	- 1 251	23 774	
TOTAL		35 500	29 583	32 542		36 400		32 482	- 1 251	31 230	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	28 441	28 441	31 244	34 135	5 639	5 213	3 836	4 493	
2025	28 434	28 436	31 239	34 135	4 822	4 348	2 816	3 439	
2030	28 429	28 431	31 234	34 135	4 042	3 524	1 845	2 432	
2035	28 427	28 430	31 233	34 135	3 537	2 978	1 201	1 778	
2040	28 425	28 428	31 231	34 135	3 031	2 430	560	1 123	
2044	28 424	28 427	31 230	34 135	2 627	2 016	48	599	

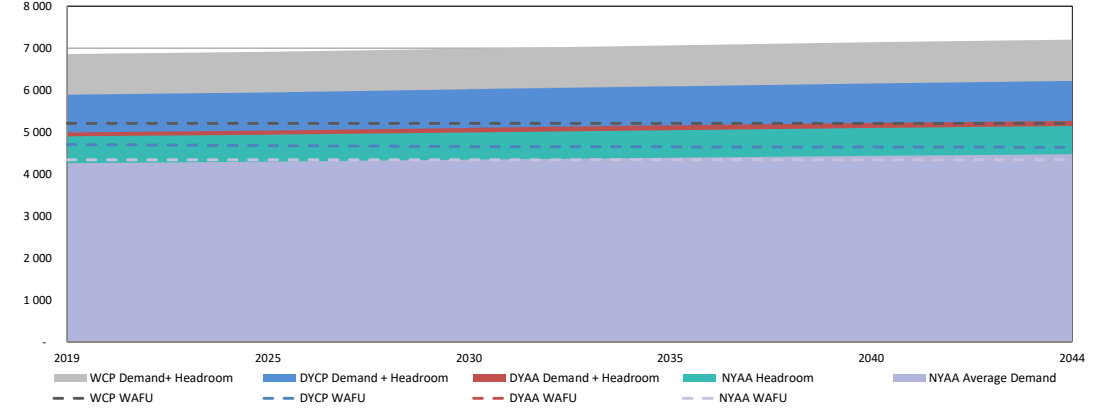
WRZ CODE	2100SC0007	WRZ Name	Ardee / Collon / Drybridge	Study Area	E	Study Group		Local Authority	Louth
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Base Demand in	2019
Domestic Demand (m³/day)	1 510
Non-Domestic Demand (m³/day)	692
Operational Use (m³/day)	61
Apparent Losses (m³/day)	32
Leakage (m³/day)	1 964
Demand (m³/day)	4 260

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	4 260	639	4 899	4 991	5 889	6 859
2025	4 297	644	4 941	5 040	5 947	6 917
2030	4 343	651	4 995	5 101	6 019	6 993
2035	4 390	659	5 049	5 162	6 091	7 068
2040	4 437	666	5 102	5 224	6 163	7 143
2044	4 474	671	5 145	5 268	6 220	7 204

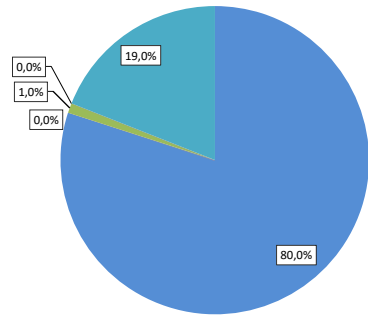
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000417	Drybridge WTP	430	358	394	No Licence	383	Yield	379	-	379	
WTP0000609	Collon WTP	1 680	1 400	1 540	No Licence	1 437	Yield	1 422	-	1 422	
WTP0000100	Ardee WTP	3 100	2 583	2 842	No Licence	13 379	22Hr	2 842	-	2 842	
TOTAL		5 210	4 342	4 776	-	15 199		4 643	-	4 643	

Year	WAFU					Supply Demand Balance					
	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)
2019	4 342	4 342	4 342	4 708	5 210	558	649	1 181	558	649	1 181
2025	4 342	4 342	4 342	4 681	5 210	599	699	1 267	599	699	1 267
2030	4 342	4 342	4 342	4 660	5 210	653	760	1 359	653	760	1 359
2035	4 342	4 342	4 342	4 654	5 210	707	821	1 438	707	821	1 438
2040	4 342	4 342	4 342	4 648	5 210	761	882	1 515	761	882	1 515
2044	4 342	4 342	4 342	4 643	5 210	804	926	1 576	804	926	1 576

WRZ CODE	2100SC0010	WRZ Name	Kilneer	Study Area	3	Study Group		Local Authority	Louth
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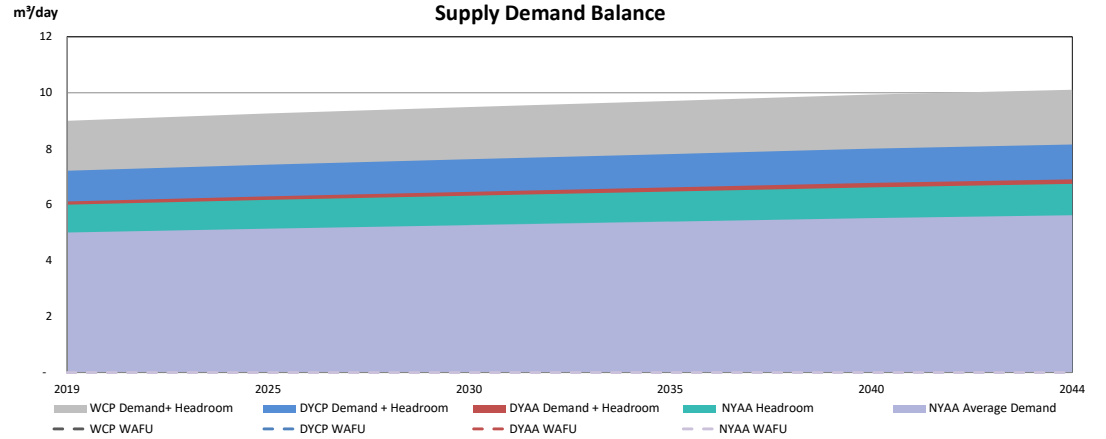
Base Demand in 2019	
Domestic Demand (m ³ /day)	4
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	1
Demand (m³/day)	5

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5	1	6	6	7	9
2025	5	1	6	6	7	9
2030	5	1	6	6	8	9
2035	5	1	6	7	8	10
2040	6	1	7	7	8	10
2044	6	1	7	7	8	10

Water Available for Use in 2044 DYCP

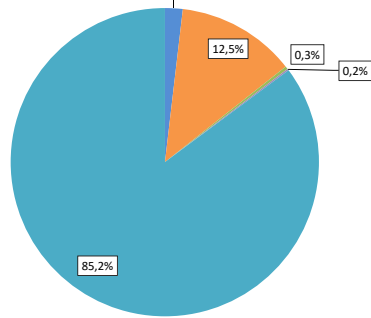
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
Supply imported from NI Water, no Irish Water assets.											
TOTAL		-	-	-	-	-		-	-	-	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	-	-	-	-	6	6	7	9
2025	-	-	-	-	6	6	7	9
2030	-	-	-	-	6	6	8	9
2035	-	-	-	-	6	7	8	10
2040	-	-	-	-	7	7	8	10
2044	-	-	-	-	7	7	8	10

WRZ CODE	2100SC0013	WRZ Name	Carrickmacross (Water Supplied)	Study Area	E	Study Group		Local Authority	Louth
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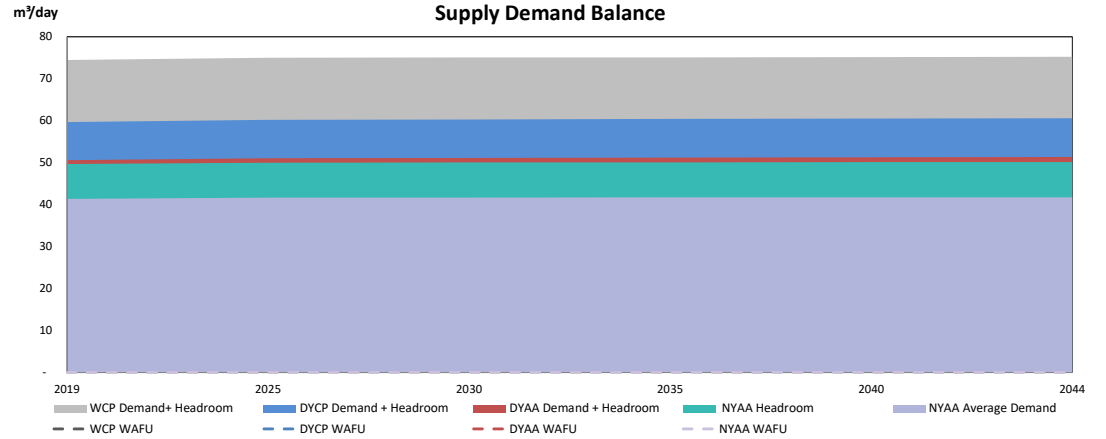
Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	5
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	35
Demand (m³/day)	41

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	41	8	50	51	60	75
2025	42	8	50	51	60	75
2030	42	8	50	51	60	75
2035	42	8	50	51	60	75
2040	42	8	50	51	61	75
2044	42	8	50	51	61	75

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
Supply imported from NI Water, no Irish Water assets.											
TOTAL		-	-	-	-	-		-	-	-	

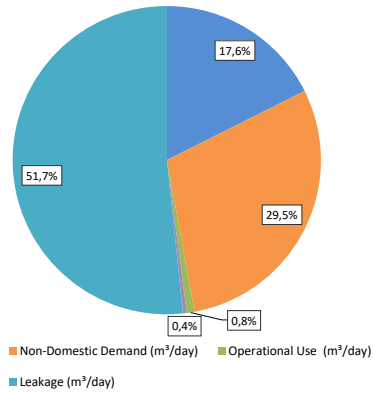
Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-

Supply imported from NI Water, no Irish Water assets.

WRZ CODE	2200SC0001	WRZ Name	Lough Mask & Westport	Study Area	D	Study Group	Local Authority	Mayo
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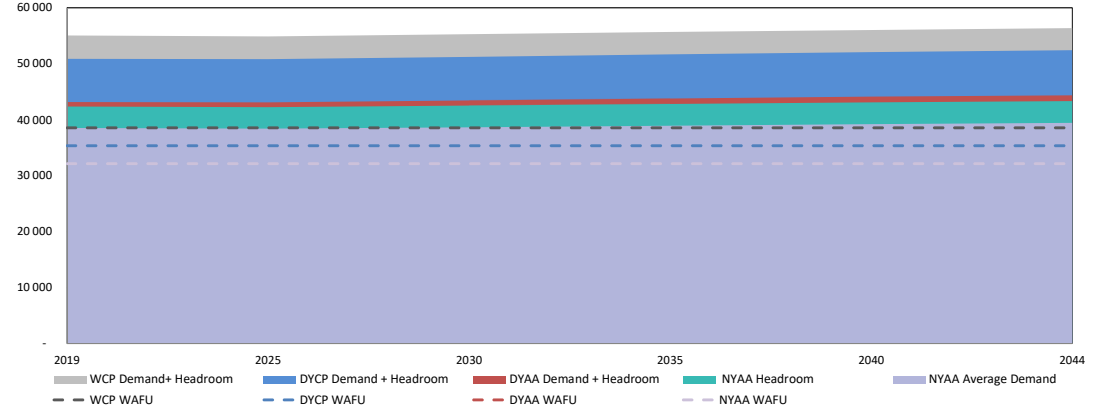
Base Demand in 2019	
Domestic Demand (m ³ /day)	6 771
Non-Domestic Demand (m ³ /day)	11 372
Operational Use (m ³ /day)	316
Apparent Losses (m ³ /day)	149
Leakage (m ³ /day)	19 897
Demand (m³/day)	38 506

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	38 506	3 851	42 356	43 150	50 914	55 063
2025	38 391	3 839	42 230	43 080	50 832	54 898
2030	38 661	3 866	42 527	43 434	51 249	55 285
2035	38 930	3 893	42 824	43 789	51 669	55 671
2040	39 200	3 920	43 120	44 147	52 081	56 057
2044	39 416	3 942	43 358	44 391	52 409	56 365

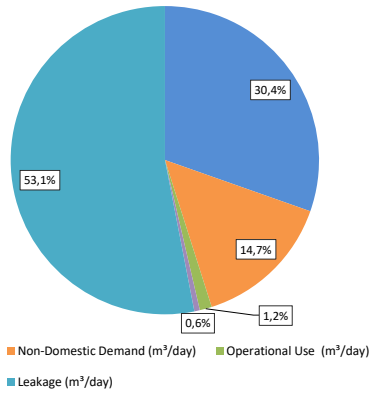
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001213	WESTPORT WTP	2 500	2 083	2 292	No Licence	4 501	22Hr	2 292	-	2 292	Critical - Low Flow Intervention
WTP0001192	Tourmakeady WTP	38 000	31 667	34 833	No Licence	711 855	22Hr	34 833	1 742	33 092	Demand > Safe Production Capacity
TOTAL		40 500	33 750	37 125	-	716 356		37 125	1 742	35 383	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	32 167	32 167	35 383	38 600	10 190	10 983	15 531	16 463	16 463
2025	32 167	32 167	35 383	38 600	10 063	10 913	15 448	16 298	16 298
2030	32 167	32 167	35 383	38 600	10 360	11 267	15 866	16 685	16 685
2035	32 167	32 167	35 383	38 600	10 657	11 623	16 285	17 071	17 071
2040	32 167	32 167	35 383	38 600	10 954	11 981	16 698	17 457	17 457
2044	32 167	32 167	35 383	38 600	11 191	12 224	17 026	17 765	17 765

WRZ CODE	2200SC0002	WRZ Name	Clare Island	Study Area	D	Study Group	Local Authority	Mayo
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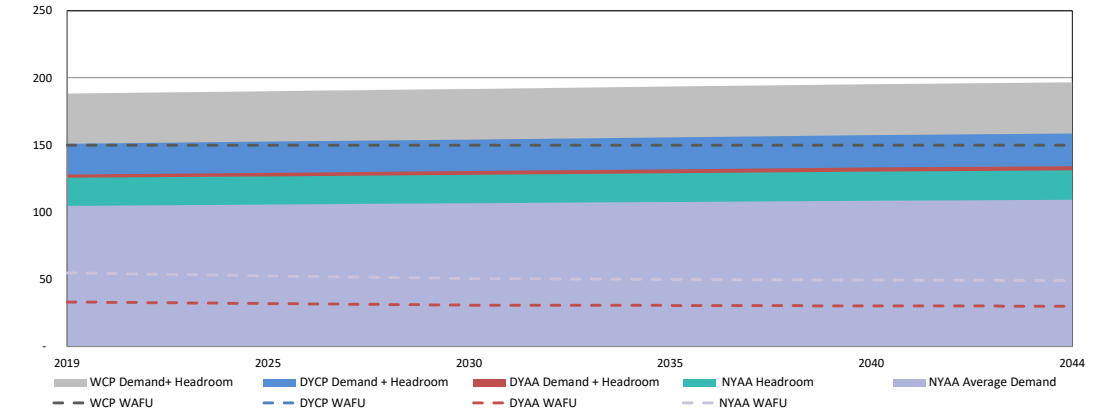
Base Demand in 2019	
Domestic Demand (m ³ /day)	32
Non-Domestic Demand (m ³ /day)	15
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	56
Demand (m³/day)	105

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	105	21	126	128	151	188
2025	106	21	127	129	153	190
2030	107	21	128	131	154	192
2035	108	22	129	132	156	194
2040	109	22	130	133	157	195
2044	109	22	131	134	159	197

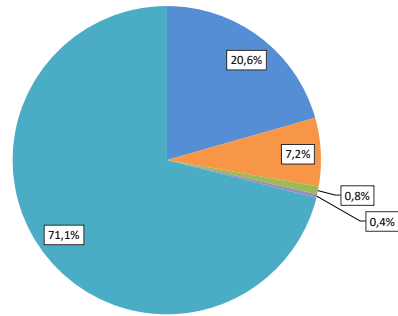
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000516	Clare Island WTP	150	125	138	No Licence	31	Yield	30	-	30	
TOTAL		150	125	138	-	31		30	-	30	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	55	33	33	150	71	95	118	38	126	128	151	188
2025	53	32	32	150	74	97	120	40	127	129	153	190
2030	51	31	31	150	77	100	123	42	128	131	154	192
2035	50	31	31	150	79	101	125	44	129	132	156	194
2040	50	30	30	150	81	103	127	45	130	133	157	195
2044	49	30	30	150	82	104	128	47	131	134	159	197

WRZ CODE	2200SC003	WRZ Name	Inishturk	Study Area	D	Study Group	Local Authority	Mayo
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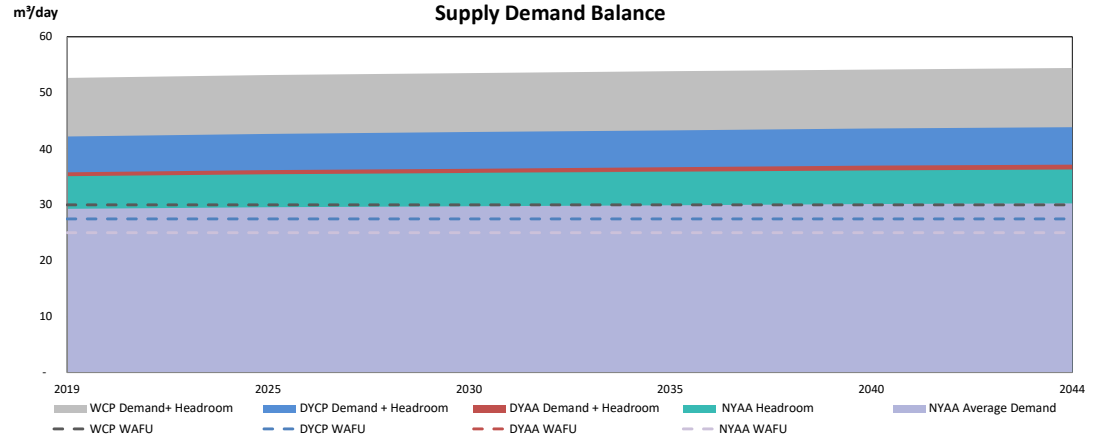
Base Demand in 2019	
Domestic Demand (m ³ /day)	6
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	21
Demand (m³/day)	29

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	29	6	35	36	42	53
2025	30	6	35	36	43	53
2030	30	6	36	36	43	53
2035	30	6	36	37	43	54
2040	30	6	36	37	44	54
2044	30	6	36	37	44	54

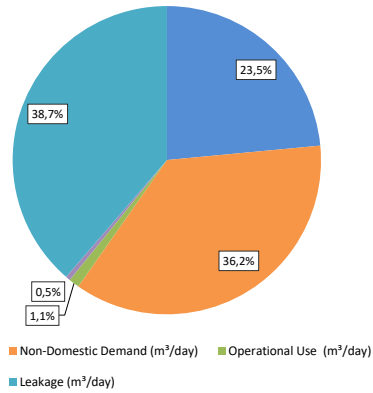
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000480	Inishturk WTP	30	25	28	No Licence	127	22Hr	28	-	28	
TOTAL		30	25	28	-	127		28	-	28	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	25	25	28	30	10	11	15	23
2025	25	25	28	30	10	11	15	23
2030	25	25	28	30	11	11	15	23
2035	25	25	28	30	11	12	16	24
2040	25	25	28	30	11	12	16	24
2044	25	25	28	30	11	12	16	24

WRZ CODE	2200SC0004	WRZ Name	Ballina	Study Area	C	Study Group		Local Authority	Mayo
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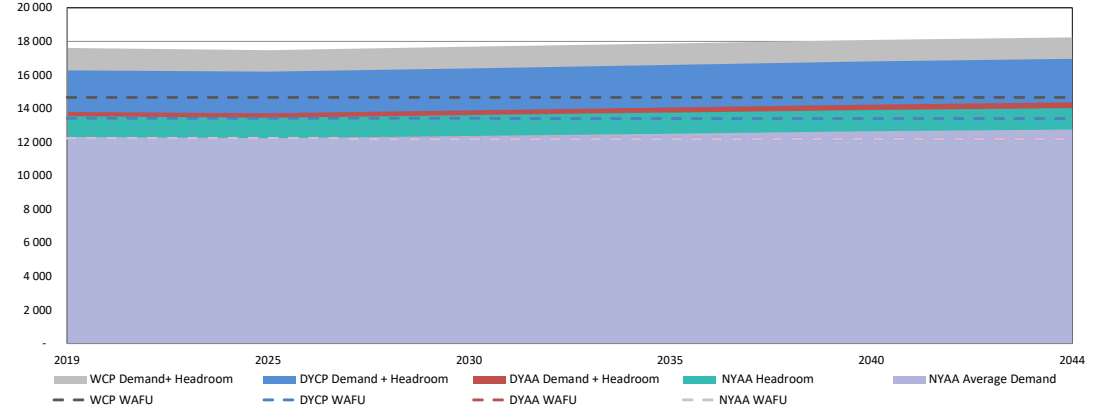
Base Demand in 2019	
Domestic Demand (m ³ /day)	2 891
Non-Domestic Demand (m ³ /day)	4 462
Operational Use (m ³ /day)	135
Apparent Losses (m ³ /day)	63
Leakage (m ³ /day)	4 758
Demand (m³/day)	12 310

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	12 310	1 231	13 541	13 794	16 276	17 603
2025	12 228	1 223	13 451	13 722	16 191	17 486
2030	12 367	1 237	13 604	13 894	16 394	17 685
2035	12 506	1 251	13 757	14 067	16 598	17 884
2040	12 645	1 265	13 910	14 241	16 800	18 083
2044	12 756	1 276	14 032	14 366	16 961	18 242

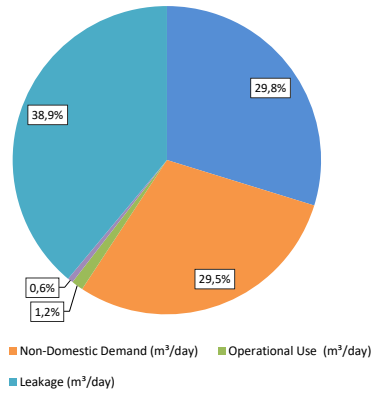
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000151	Ballycastle WTP	300	250	275	No Licence	239	Yield	237	-	237	Significant Reduction
WTP0000594	Crossmolina WTP	730	608	669	No Licence	814	22Hr	669	-	669	
WTP0001214	Wherrew WTP	4 550	3 792	4 171	No Licence	535 436	22Hr	4 171	-	4 171	
WTP0000118	Lisglennon WTP	9 100	7 583	8 342	No Licence	535 436	22Hr	8 342	-	8 342	Demand > Safe Production Capacity
TOTAL		14 680	12 233	13 457	-	1 071 925		13 419	-	13 419	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	12 228	12 229	13 427	14 680	1 312	1 566	2 849	2 923	
2025	12 224	12 225	13 424	14 680	1 227	1 497	2 767	2 806	
2030	12 221	12 223	13 421	14 680	1 383	1 672	2 973	3 005	
2035	12 220	12 222	13 420	14 680	1 537	1 845	3 178	3 204	
2040	12 219	12 221	13 419	14 680	1 691	2 020	3 381	3 403	
2044	12 218	12 220	13 419	14 680	1 814	2 146	3 543	3 562	

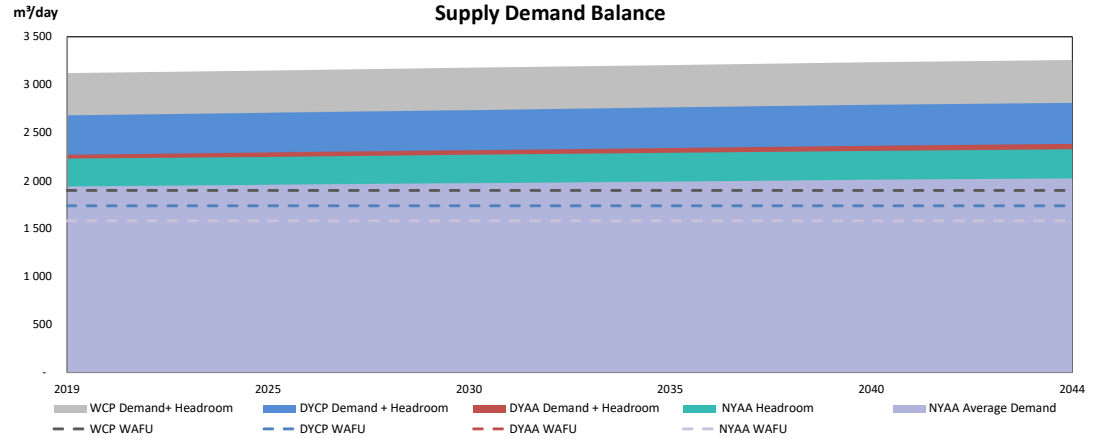
WRZ CODE	2200SC0005	WRZ Name	Achill	Study Area	C	Study Group	Local Authority	Mayo
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Base Demand in 2019	
Domestic Demand (m ³ /day)	577
Non-Domestic Demand (m ³ /day)	572
Operational Use (m ³ /day)	24
Apparent Losses (m ³ /day)	11
Leakage (m ³ /day)	755
Demand (m³/day)	1 939

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 939	291	2 230	2 271	2 680	3 121
2025	1 956	293	2 249	2 294	2 707	3 149
2030	1 974	296	2 270	2 318	2 735	3 178
2035	1 992	299	2 290	2 342	2 763	3 206
2040	2 009	301	2 311	2 366	2 791	3 235
2044	2 024	304	2 327	2 383	2 813	3 258

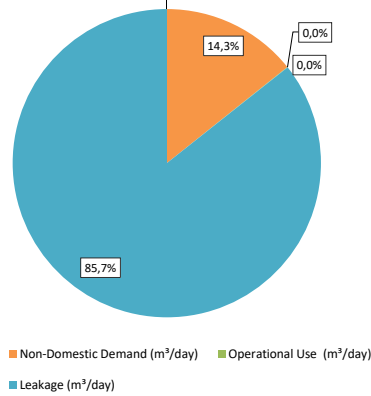
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000070	Achill WTP	1 900	1 583	1 742	No Licence	2 728	22Hr	1 742	-	1 742	
TOTAL		1 900	1 583	1 742	-	2 728		1 742	-	1 742	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)
2019	1 583	1 583	1 742	1 900	646	688	938	1 221	1 742
2025	1 583	1 583	1 742	1 900	666	711	966	1 249	1 742
2030	1 583	1 583	1 742	1 900	686	735	994	1 278	1 742
2035	1 583	1 583	1 742	1 900	707	759	1 022	1 306	1 742
2040	1 583	1 583	1 742	1 900	727	782	1 049	1 335	1 742
2044	1 583	1 583	1 742	1 900	744	799	1 071	1 358	1 742

WRZ CODE	2200SC0006	WRZ Name	Ceide Fields	Study Area	C	Study Group		Local Authority	Mayo
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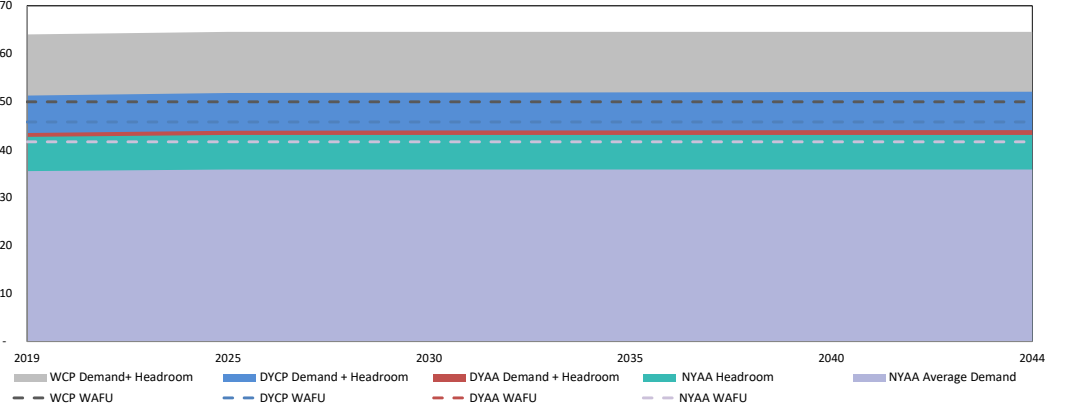
Base Demand in 2019	
Domestic Demand (m ³ /day)	-
Non-Domestic Demand (m ³ /day)	5
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	30
Demand (m³/day)	36

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	36	7	43	43	51	64
2025	36	7	43	44	52	65
2030	36	7	43	44	52	65
2035	36	7	43	44	52	65
2040	36	7	43	44	52	65
2044	36	7	43	44	52	65

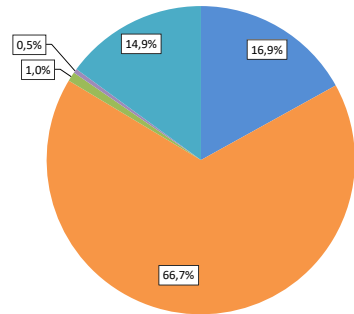
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000511	Ceide Fields WTP	50	42	46	No Licence	48	22Hr	46	-	46	
TOTAL		50	42	46	-	48		46	-	46	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	42	42	46	50	-	1	2	5	14
2025	42	42	46	50	-	1	2	6	15
2030	42	42	46	50	-	1	2	6	15
2035	42	42	46	50	-	1	2	6	15
2040	42	42	46	50	-	1	2	6	15
2044	42	42	46	50	-	1	2	6	15

WRZ CODE	2200SC0007	WRZ Name	Erris RWSS	Study Area	C	Study Group	Local Authority	Mayo
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Base Demand in 2019	
Domestic Demand (m ³ /day)	521
Non-Domestic Demand (m ³ /day)	2 050
Operational Use (m ³ /day)	30
Apparent Losses (m ³ /day)	14
Leakage (m ³ /day)	459
Demand (m³/day)	3 073

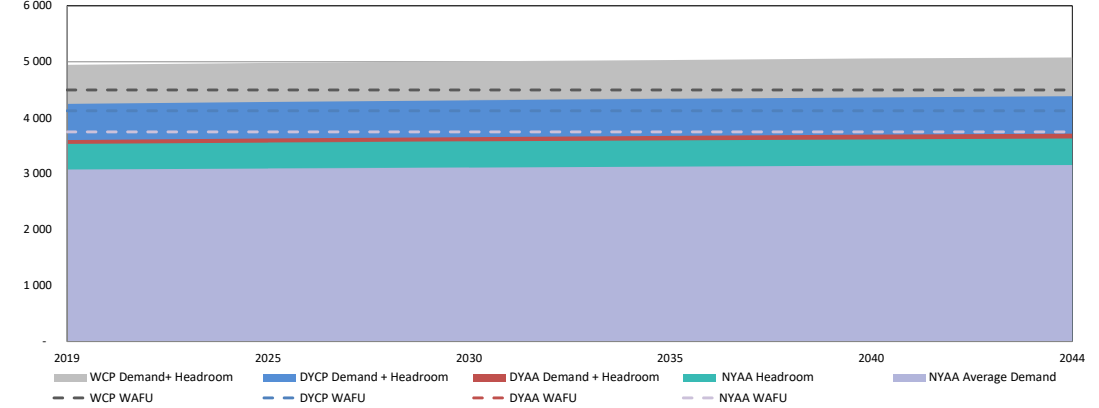
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 073	461	3 534	3 601	4 249	4 948
2025	3 093	464	3 557	3 629	4 282	4 980
2030	3 109	466	3 576	3 652	4 309	5 006
2035	3 126	469	3 594	3 675	4 337	5 032
2040	3 142	471	3 613	3 699	4 364	5 058
2044	3 155	473	3 628	3 714	4 385	5 079

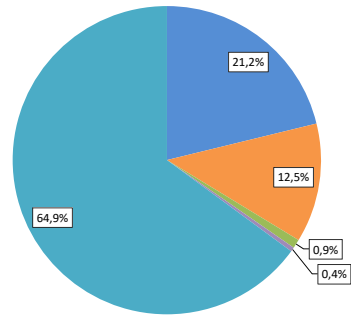
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000384	Erris WTP	4 500	3 750	4 125	No Licence	81 029	22Hr	4 125	-	4 125	Critical - Low Flow Intervention
TOTAL		4 500	3 750	4 125	-	81 029		4 125	-	4 125	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	3 750	3 750	4 125	4 500	216	149	124	448	
2025	3 750	3 750	4 125	4 500	193	121	157	480	
2030	3 750	3 750	4 125	4 500	174	98	184	506	
2035	3 750	3 750	4 125	4 500	156	75	212	532	
2040	3 750	3 750	4 125	4 500	137	51	239	558	
2044	3 750	3 750	4 125	4 500	122	36	260	579	

WRZ CODE	2200SC0008	WRZ Name	Charlestown	Study Area	C	Study Group	Local Authority	Mayo
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Base Demand in 2019	
Domestic Demand (m ³ /day)	201
Non-Domestic Demand (m ³ /day)	119
Operational Use (m ³ /day)	9
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	617
Demand (m³/day)	950

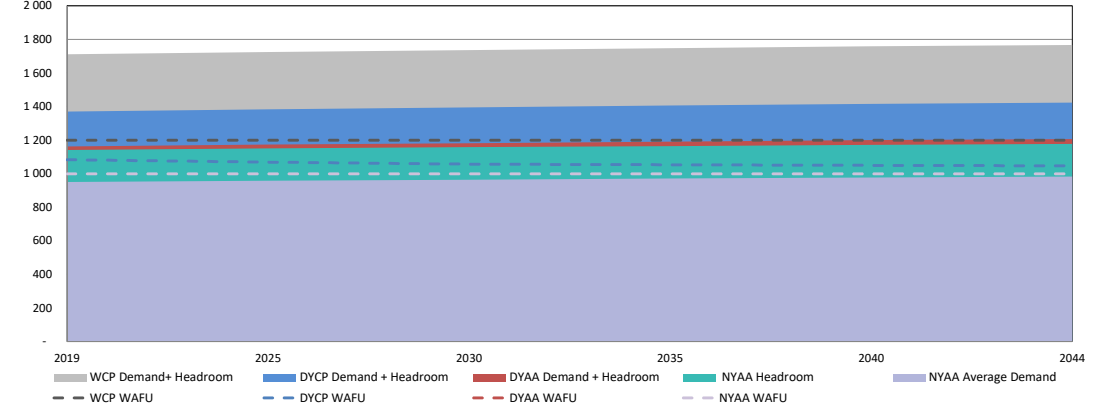
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	950	190	1 140	1 162	1 371	1 711
2025	958	192	1 150	1 173	1 384	1 725
2030	965	193	1 157	1 182	1 395	1 736
2035	971	194	1 165	1 191	1 406	1 747
2040	977	195	1 172	1 200	1 416	1 759
2044	982	196	1 178	1 206	1 424	1 768

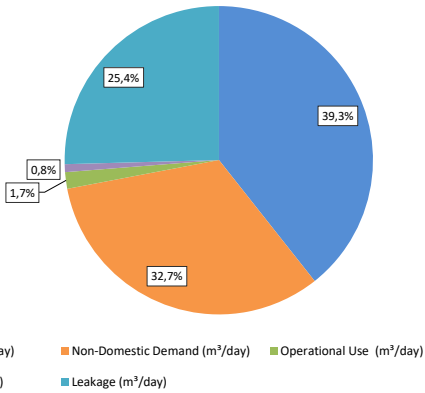
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000512	Charlestown WTP	1 200	1 000	1 100	No Licence	1 058	Yield	1 048	-	1 048	
TOTAL		1 200	1 000	1 100	-	1 058		1 048	-	1 048	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WAFU (m ³ /day)		
2019	1 000	1 000	1 084	1 200	-	140	-	162	-	287	-	511
2025	1 000	1 000	1 070	1 200	-	150	-	173	-	315	-	525
2030	1 000	1 000	1 057	1 200	-	157	-	182	-	337	-	536
2035	1 000	1 000	1 054	1 200	-	165	-	191	-	352	-	547
2040	1 000	1 000	1 050	1 200	-	172	-	200	-	366	-	559
2044	1 000	1 000	1 048	1 200	-	178	-	206	-	377	-	568

WRZ CODE	2200SC0011	WRZ Name	Foxford	Study Area	C	Study Group	Local Authority	Mayo
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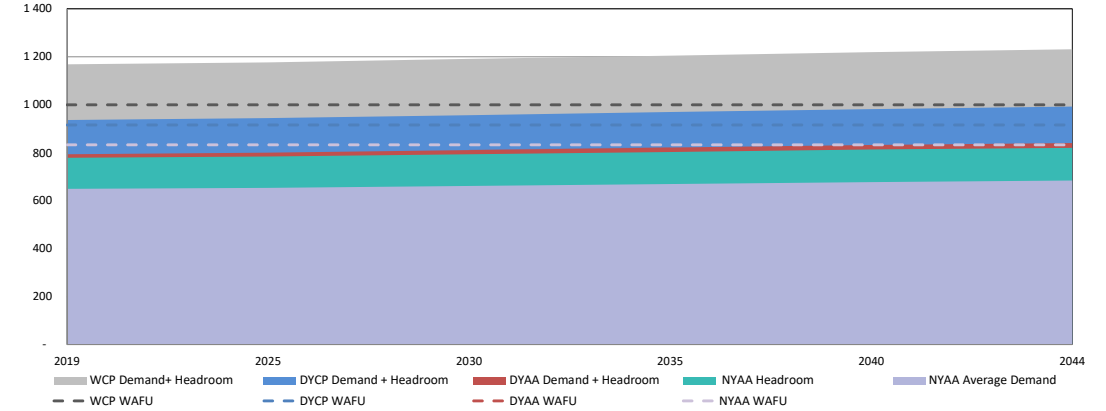
Base Demand in 2019	
Domestic Demand (m ³ /day)	255
Non-Domestic Demand (m ³ /day)	212
Operational Use (m ³ /day)	11
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	165
Demand (m³/day)	649

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	649	130	779	794	936	1 168
2025	654	131	784	800	944	1 177
2030	662	132	794	811	957	1 191
2035	670	134	803	822	969	1 205
2040	677	135	813	832	982	1 219
2044	684	137	821	840	992	1 231

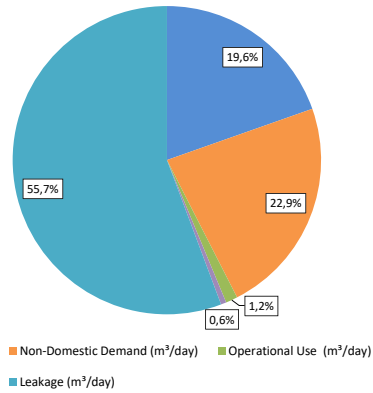
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000403	Foxford WTP	1 000	833	917	No Licence	1 916	22Hr	917	-	917	
TOTAL		1 000	833	917	-	1 916		917	-	917	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WAFU (m ³ /day)
2019	833	833	917	1 000	54	40	-	20	-	168
2025	833	833	917	1 000	49	33	-	28	-	177
2030	833	833	917	1 000	39	22	-	40	-	191
2035	833	833	917	1 000	30	12	-	53	-	205
2040	833	833	917	1 000	20	1	-	65	-	219
2044	833	833	917	1 000	13	7	-	75	-	231

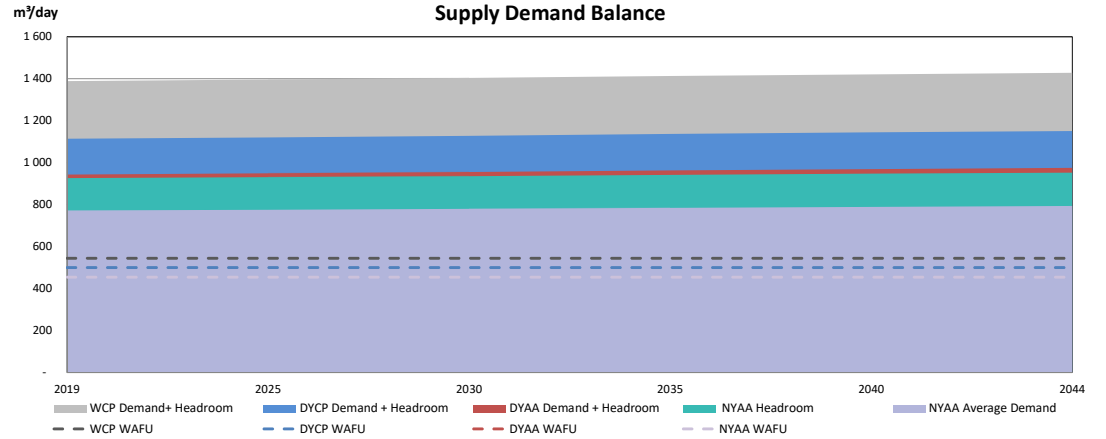
WRZ CODE	2200SC0012	WRZ Name	Kilkelly	Study Area	C	Study Group		Local Authority	Mayo
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Base Demand in 2019	
Domestic Demand (m ³ /day)	151
Non-Domestic Demand (m ³ /day)	176
Operational Use (m ³ /day)	10
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	430
Demand (m³/day)	772

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	772	154	926	944	1114	1390
2025	776	155	931	949	1120	1396
2030	780	156	936	956	1128	1405
2035	785	157	942	963	1137	1413
2040	790	158	948	970	1145	1421
2044	793	159	952	975	1151	1428

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001101	Kilkelly WTP	546	455	501	No Licence	977	22Hr	501	-	501	
TOTAL		546	455	501	-	977		501	-	501	

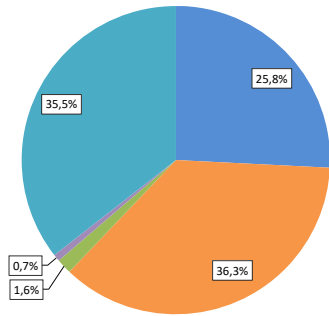
Supply Demand Balance

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	455	455	501	546	471	489	613	844
2025	455	455	501	546	476	494	620	850
2030	455	455	501	546	481	501	628	859
2035	455	455	501	546	487	508	636	867
2040	455	455	501	546	493	515	644	875
2044	455	455	501	546	497	520	650	882

WRZ CODE	2200SC0014	WRZ Name	Kiltimagh PWS	Study Area	C	Study Group		Local Authority	Mayo
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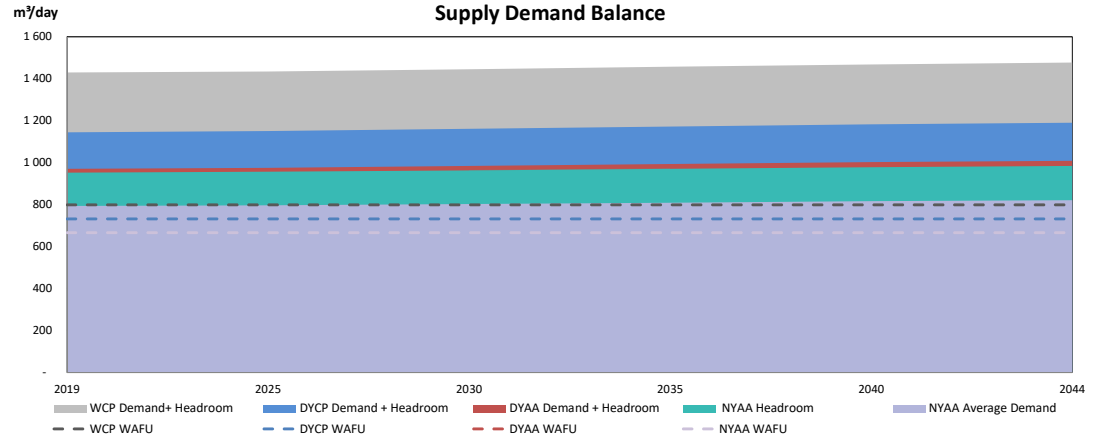
Base Demand in	2019
Domestic Demand (m ³ /day)	205
Non-Domestic Demand (m ³ /day)	289
Operational Use (m ³ /day)	13
Apparent Losses (m ³ /day)	6
Leakage (m ³ /day)	282
Demand (m³/day)	794

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	794	159	953	971	1146	1430
2025	797	159	956	976	1151	1435
2030	803	161	964	985	1162	1446
2035	810	162	972	994	1172	1458
2040	816	163	979	1003	1183	1469
2044	821	164	985	1009	1191	1478

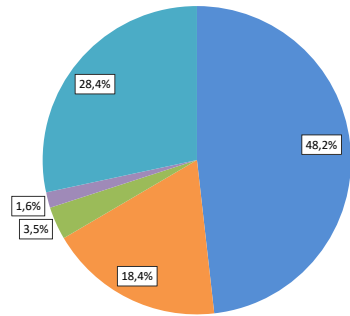
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001137	Kiltimagh WTP	800	667	733	No Licence	4 563	22Hr	733	-	733	
TOTAL		800	667	733	-	4 563		733	-	733	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	667	667	733	800	286	304	412	630	286	304	412	630
2025	667	667	733	800	290	309	418	635	290	309	418	635
2030	667	667	733	800	297	318	429	646	297	318	429	646
2035	667	667	733	800	305	327	439	658	305	327	439	658
2040	667	667	733	800	313	336	450	669	313	336	450	669
2044	667	667	733	800	319	342	458	678	319	342	458	678

WRZ CODE	2200SC0015	WRZ Name	Louisburgh	Study Area	D	Study Group	Local Authority	Mayo
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Base Demand in 2019	
Domestic Demand (m ³ /day)	122
Non-Domestic Demand (m ³ /day)	46
Operational Use (m ³ /day)	9
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	72
Demand (m³/day)	253

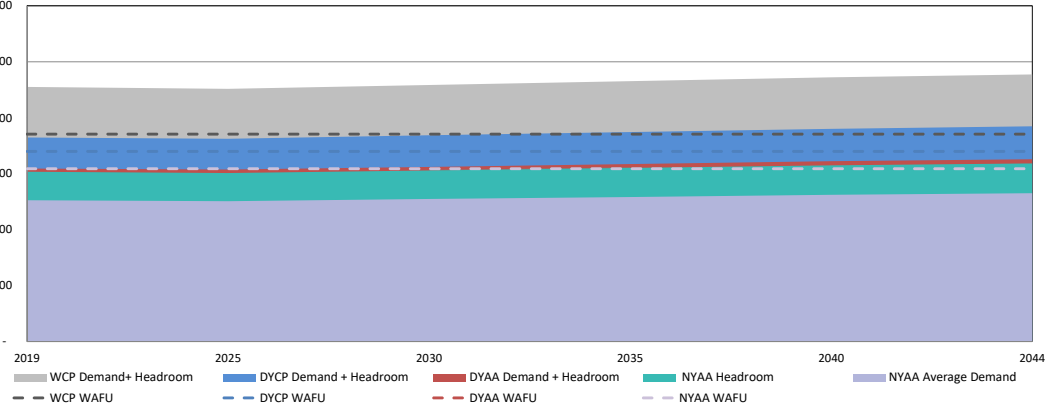
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	253	51	303	309	365	455
2025	251	50	301	307	363	452
2030	255	51	306	312	368	459
2035	259	52	310	317	374	465
2040	262	52	315	322	380	472
2044	265	53	318	326	385	478

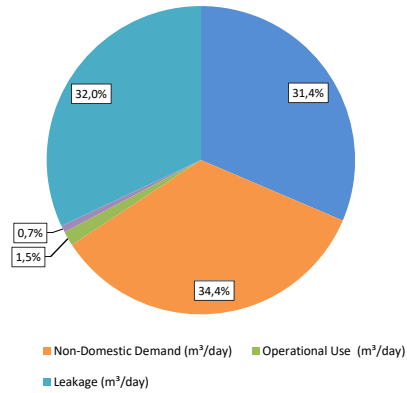
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000203	LOUISBURGH WTP	371	309	340	No Licence	4 402	22Hr	340	-	340	Critical - Low Flow Intervention
TOTAL		371	309	340	-	4 402		340	-	340	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	309	309	340	371	6	0	25	84
2025	309	309	340	371	8	2	22	81
2030	309	309	340	371	3	3	28	88
2035	309	309	340	371	1	8	34	94
2040	309	309	340	371	6	13	40	101
2044	309	309	340	371	9	17	45	107

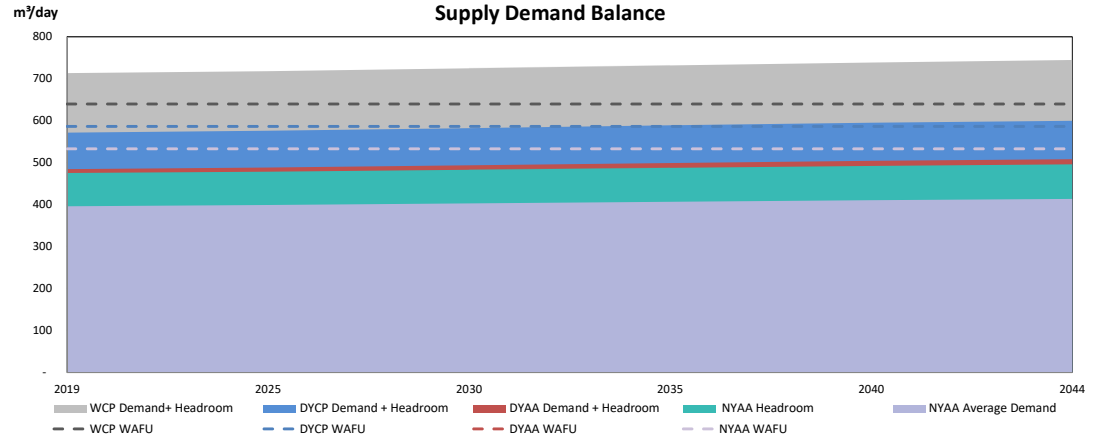
WRZ CODE	2200SC0016	WRZ Name	Mulranny	Study Area	D	Study Group	Local Authority	Mayo
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Base Demand in 2019	
Domestic Demand (m ³ /day)	124
Non-Domestic Demand (m ³ /day)	136
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	127
Demand (m³/day)	397

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	397	79	476	485	576	714
2025	399	80	479	488	576	718
2030	403	81	483	494	583	725
2035	407	81	488	499	589	732
2040	411	82	493	504	595	739
2044	414	83	496	508	600	745

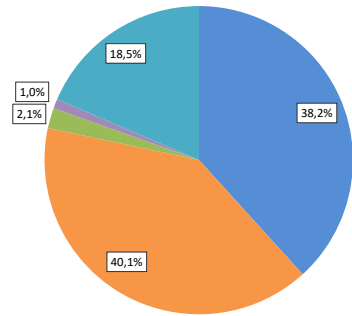
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000258	MULRANNY WTP	640	533	587	No Licence	760	22Hr	587	-	587	Critical - Low Flow Intervention
TOTAL		640	533	587	-	760		587	-	587	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WAFU (m ³ /day)
2019	533	533	587	640	58	49	15	-	74	74
2025	533	533	587	640	55	45	10	-	78	78
2030	533	533	587	640	50	40	4	-	85	85
2035	533	533	587	640	45	34	2	-	92	92
2040	533	533	587	640	41	29	8	-	99	99
2044	533	533	587	640	37	25	13	-	105	105

WRZ CODE	2200SC0017	WRZ Name	Newport	Study Area	D	Study Group	Local Authority	Mayo
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Base Demand in 2019	
Domestic Demand (m ³ /day)	108
Non-Domestic Demand (m ³ /day)	114
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	52
Demand (m³/day)	283

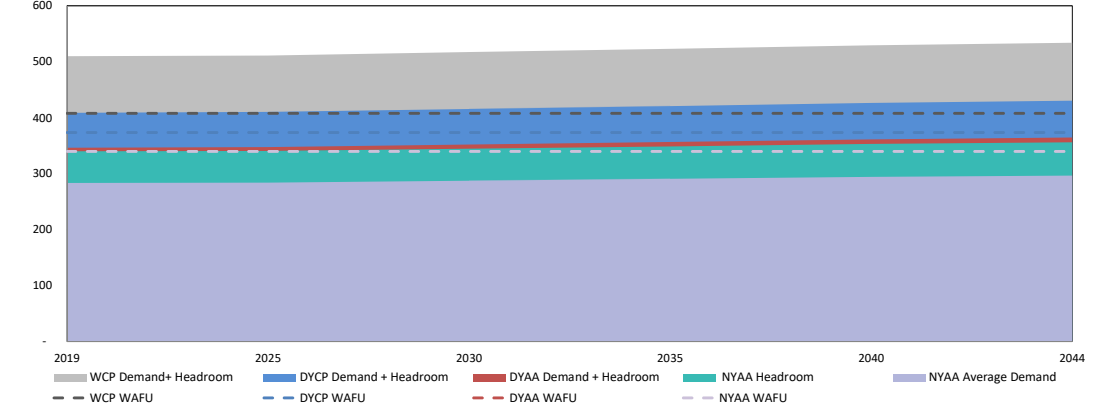
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	283	57	340	346	409	510
2025	284	57	341	348	410	511
2030	287	57	345	352	416	517
2035	291	58	349	357	421	523
2040	294	59	353	361	426	529
2044	297	59	356	365	431	534

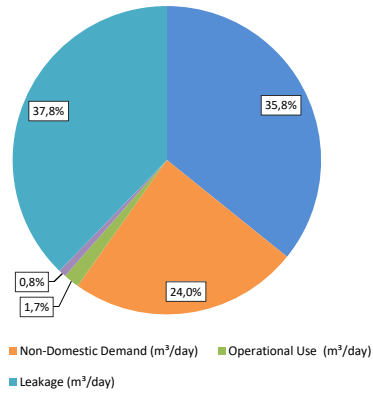
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000211	NEWPORT WTP	408	340	374	No Licence	17 488	22Hr	374	-	374	
TOTAL		408	340	374	-	17 488		374	-	374	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	340	340	374	408	0	6	35	102		
2025	340	340	374	408	1	8	36	103		
2030	340	340	374	408	5	12	42	109		
2035	340	340	374	408	9	17	47	115		
2040	340	340	374	408	13	21	52	121		
2044	340	340	374	408	16	25	57	126		

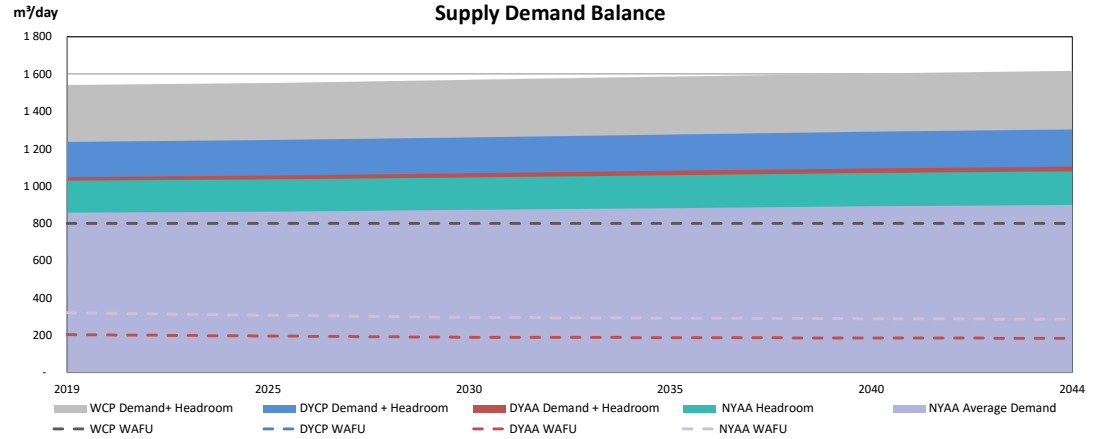
WRZ CODE	2200SC0018	WRZ Name	Swinford	Study Area	C	Study Group	Local Authority	Mayo
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Base Demand in 2019	
Domestic Demand (m ³ /day)	307
Non-Domestic Demand (m ³ /day)	206
Operational Use (m ³ /day)	14
Apparent Losses (m ³ /day)	7
Leakage (m ³ /day)	324
Demand (m³/day)	857

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	857	171	1 028	1 048	1 236	1 543
2025	863	173	1 035	1 056	1 246	1 553
2030	872	174	1 047	1 069	1 261	1 570
2035	882	176	1 058	1 082	1 276	1 587
2040	891	178	1 069	1 095	1 292	1 604
2044	899	180	1 078	1 104	1 304	1 618

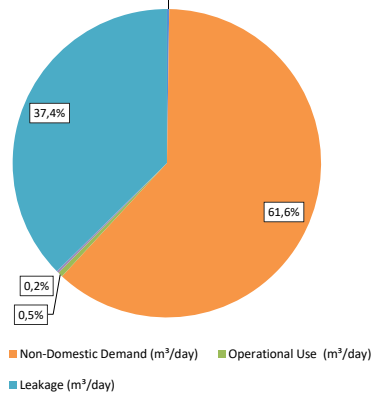
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000725	SWINFORD WTP	800	667	733	No Licence	200	Yield	185	-	185	Significant Reduction
TOTAL		800	667	733	-	200		185	-	185	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	321	204	204	800	707	844	1 032	743	707	844	1 032	743
2025	308	196	196	800	728	860	1 050	753	728	860	1 050	753
2030	296	190	190	800	750	879	1 071	770	750	879	1 071	770
2035	293	188	188	800	765	894	1 089	787	765	894	1 089	787
2040	290	186	186	800	780	909	1 105	804	780	909	1 105	804
2044	287	185	185	800	791	919	1 119	818	791	919	1 119	818

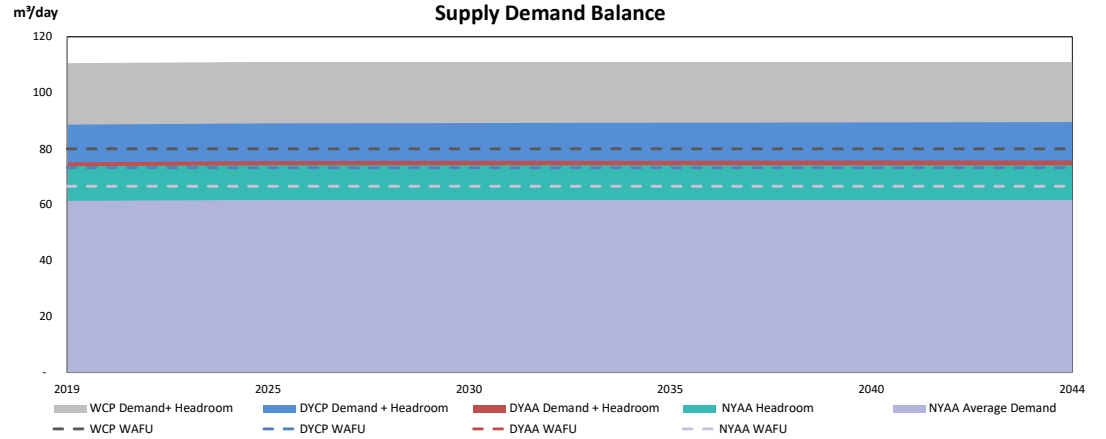
WRZ CODE	2200SC0019	WRZ Name	Knock Airport	Study Area	C	Study Group	Local Authority	Mayo
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Base Demand in 2019	
Domestic Demand (m ³ /day)	0
Non-Domestic Demand (m ³ /day)	38
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	23
Demand (m³/day)	61

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	61	12	74	75	89	111
2025	62	12	74	76	89	111
2030	62	12	74	76	89	111
2035	62	12	74	76	89	111
2040	62	12	74	76	89	111
2044	62	12	74	76	90	111

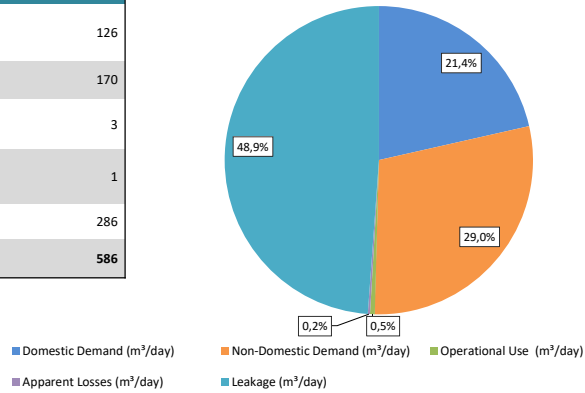
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001145	KNOCK AIRPORT WTP	80	67	73	No Licence	77	22Hr	73	-	73	
TOTAL		80	67	73	-	77		73	-	73	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	67	67	73	80	7	8	15	31
2025	67	67	73	80	7	9	16	31
2030	67	67	73	80	7	9	16	31
2035	67	67	73	80	7	9	16	31
2040	67	67	73	80	7	9	16	31
2044	67	67	73	80	7	9	16	31

WRZ CODE	2300SC0004	WRZ Name	Drumcondrath	Study Area	E	Study Group	Local Authority	Meath
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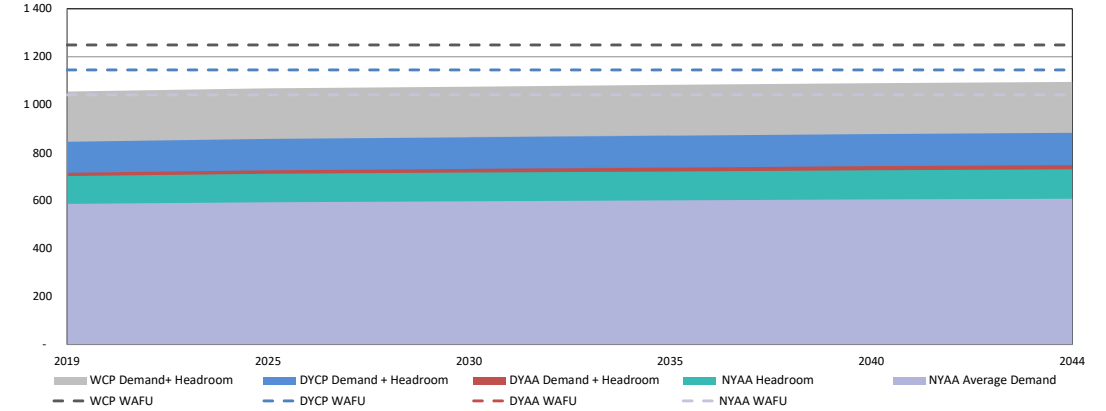
Base Demand in 2019	
Domestic Demand (m ³ /day)	126
Non-Domestic Demand (m ³ /day)	170
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	286
Demand (m³/day)	586

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	586	117	703	716	845	1 055
2025	594	119	712	727	858	1 069
2030	598	120	717	732	864	1 076
2035	601	120	722	738	871	1 083
2040	605	121	726	744	877	1 090
2044	608	122	730	748	883	1 095

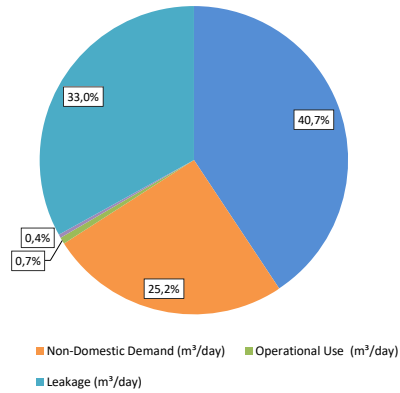
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000416	Drumcondrath WTP	1 250	1 042	1 146	No Licence	1 173	22Hr	1 146	-	1 146	
TOTAL		1 250	1 042	1 146	-	1 173		1 146	-	1 146	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 042	1 042	1 146	1 250	338	325	301	195	
2025	1 042	1 042	1 146	1 250	329	315	288	181	
2030	1 042	1 042	1 146	1 250	325	309	282	174	
2035	1 042	1 042	1 146	1 250	320	304	275	167	
2040	1 042	1 042	1 146	1 250	315	298	268	160	
2044	1 042	1 042	1 146	1 250	311	294	263	155	

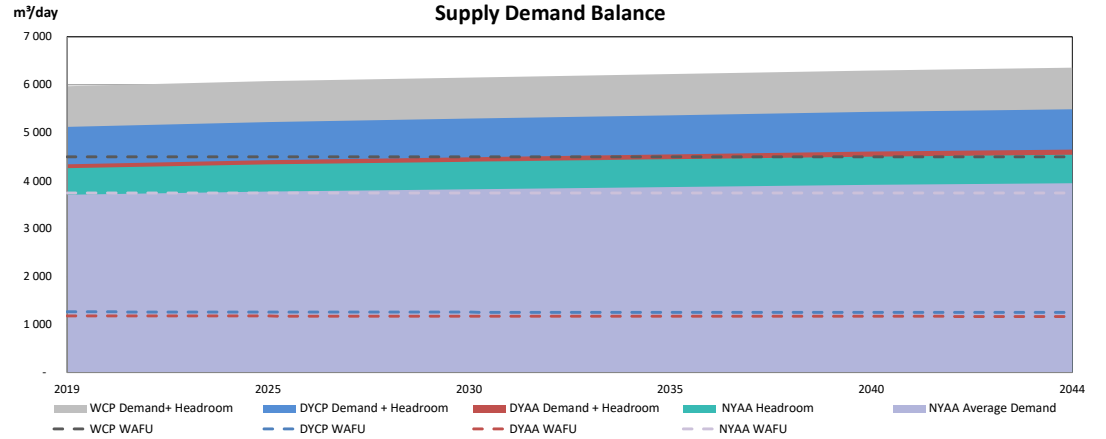
WRZ CODE	2300SC0005	WRZ Name	Kells-Oldcastle	Study Area	3	Study Group		Local Authority	Meath
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 507
Non-Domestic Demand (m ³ /day)	936
Operational Use (m ³ /day)	26
Apparent Losses (m ³ /day)	14
Leakage (m ³ /day)	1 224
Demand (m³/day)	3 706

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 706	556	4 262	4 342	5 123	5 967
2025	3 773	566	4 338	4 426	5 222	6 074
2030	3 819	573	4 392	4 486	5 293	6 149
2035	3 866	580	4 446	4 546	5 364	6 224
2040	3 913	587	4 500	4 607	5 435	6 299
2044	3 950	592	4 542	4 651	5 491	6 359

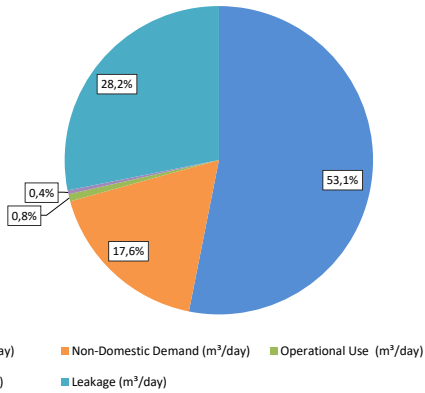
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000520	Clavin's Bridge WTP	1 000	833	917	No Licence	6 966	22Hr	917	-	917	
WTP0000132	Lough Bane WTP	3 500	2 917	3 208	No Licence	368	Yield	340	-	340	
TOTAL		4 500	3 750	4 125	-	7 334		1 257	-	1 257	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	3 750	1 185	1 269	4 500	512	3 157	3 855	1 467	
2025	3 750	1 181	1 264	4 500	588	3 245	3 958	1 574	
2030	3 750	1 177	1 260	4 500	642	3 309	4 033	1 649	
2035	3 750	1 176	1 259	4 500	696	3 371	4 105	1 724	
2040	3 750	1 174	1 258	4 500	750	3 432	4 177	1 799	
2044	3 750	1 174	1 257	4 500	792	3 477	4 234	1 859	

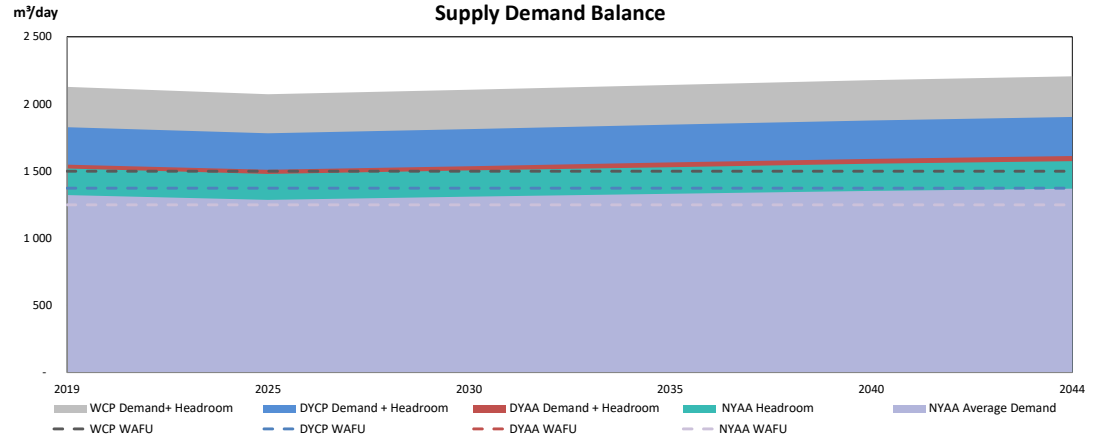
WRZ CODE	2300SC0006	WRZ Name	Athboy	Study Area	3	Study Group		Local Authority	Meath
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Base Demand in 2019	
Domestic Demand (m ³ /day)	702
Non-Domestic Demand (m ³ /day)	232
Operational Use (m ³ /day)	10
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	372
Demand (m³/day)	1 321

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 321	198	1 520	1 548	1 827	2 127
2025	1 287	193	1 480	1 510	1 781	2 072
2030	1 309	196	1 505	1 537	1 814	2 107
2035	1 330	200	1 530	1 564	1 846	2 142
2040	1 352	203	1 555	1 592	1 878	2 177
2044	1 370	205	1 575	1 612	1 904	2 205

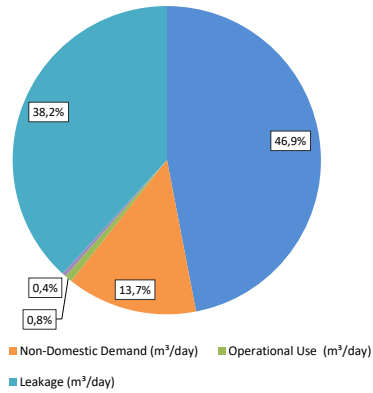
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000545	Coill Dios WTP	500	417	458	No Licence	814	22Hr	458	-	458	
WTP1000058	Athboy WTP	1 000	833	917	No Licence	958	22Hr	917	-	917	
TOTAL		1 500	1 250	1 375	-	1 772		1 375	-	1 375	

Year	WAFU					Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	
2019	1 250	1 250	1 375	1 500	-	270	-	298	-	452	-	627
2025	1 250	1 250	1 375	1 500	-	230	-	260	-	406	-	572
2030	1 250	1 250	1 375	1 500	-	255	-	287	-	439	-	607
2035	1 250	1 250	1 375	1 500	-	280	-	314	-	471	-	642
2040	1 250	1 250	1 375	1 500	-	305	-	342	-	503	-	677
2044	1 250	1 250	1 375	1 500	-	325	-	362	-	529	-	705

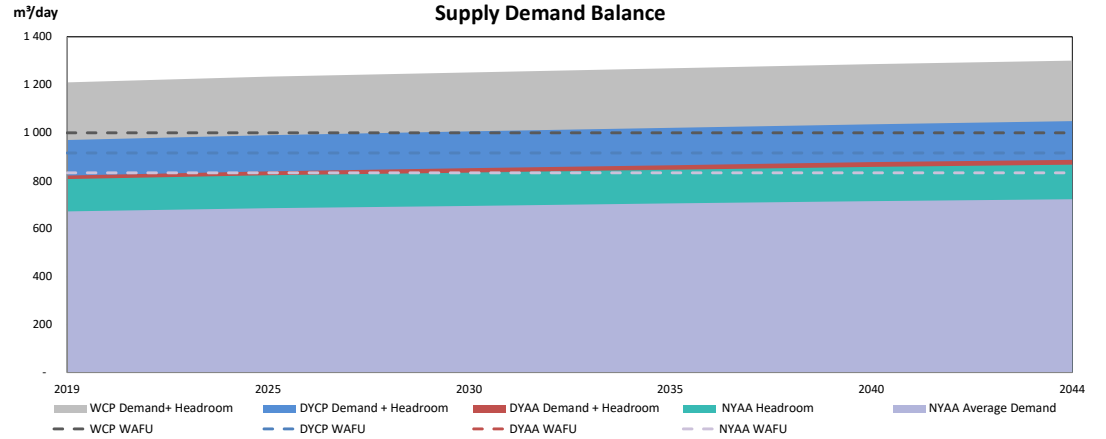
WRZ CODE	2300SC007	WRZ Name	Ballivor	Study Area	3	Study Group		Local Authority	Meath
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Base Demand in 2019	
Domestic Demand (m ³ /day)	316
Non-Domestic Demand (m ³ /day)	92
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	257
Demand (m³/day)	672

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	672	134	807	822	970	1210
2025	685	137	822	839	990	1234
2030	695	139	834	852	1005	1251
2035	705	141	846	865	1021	1269
2040	715	143	858	878	1036	1286
2044	722	144	867	888	1048	1300

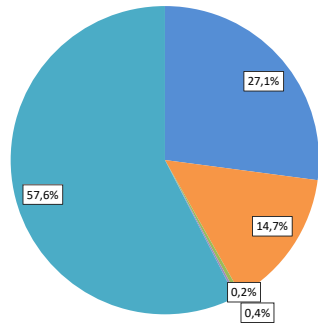
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000381	Earlsmill WTP	300	250	275	No Licence	10 794	22Hr	275	-	275	
WTP0001126	Kilmurry WTP	700	583	642	No Licence	958	22Hr	642	-	642	
TOTAL		1 000	833	917	-	11 752		917	-	917	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	833	833	917	1 000	27	12	53	210	
2025	833	833	917	1 000	11	6	73	234	
2030	833	833	917	1 000	1	19	89	251	
2035	833	833	917	1 000	13	32	104	269	
2040	833	833	917	1 000	24	45	119	286	
2044	833	833	917	1 000	34	54	131	300	

WRZ CODE	2300SC0009	WRZ Name	Slane	Study Area	3	Study Group		Local Authority	Meath
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Base Demand in 2019	
Domestic Demand (m ³ /day)	443
Non-Domestic Demand (m ³ /day)	241
Operational Use (m ³ /day)	7
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	942
Demand (m³/day)	1 637

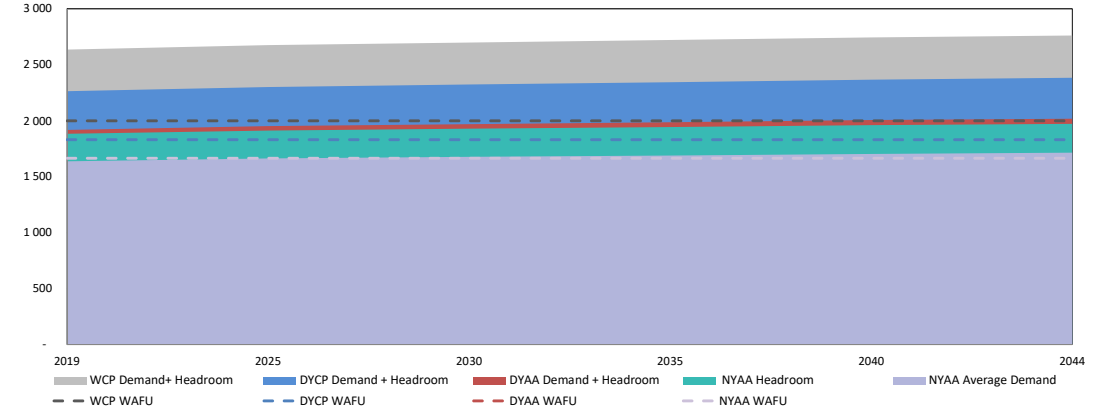
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 637	246	1 883	1 918	2 263	2 636
2025	1 663	249	1 912	1 951	2 302	2 677
2030	1 677	251	1 928	1 969	2 324	2 699
2035	1 690	254	1 944	1 988	2 345	2 722
2040	1 704	256	1 960	2 006	2 367	2 744
2044	1 715	257	1 972	2 019	2 384	2 761

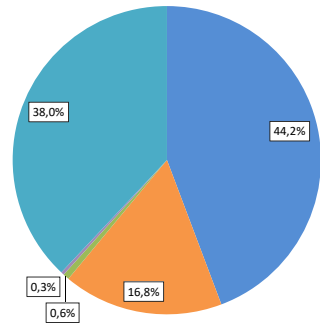
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000704	Slane WTP	2 000	1 667	1 833	No Licence	1 916	22Hr	1 833	-	1 833	
TOTAL		2 000	1 667	1 833	-	1 916		1 833	-	1 833	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WCP (m ³ /day)
2019	1 667	1 667	1 833	2 000	1 883	216	251	430	636	2 636
2025	1 667	1 667	1 833	2 000	1 912	246	284	469	677	2 677
2030	1 667	1 667	1 833	2 000	1 928	261	303	490	699	2 699
2035	1 667	1 667	1 833	2 000	1 944	277	321	512	722	2 722
2040	1 667	1 667	1 833	2 000	1 960	293	340	534	744	2 744
2044	1 667	1 667	1 833	2 000	1 972	306	353	551	761	2 761

WRZ CODE	2300SC0011	WRZ Name	Kilmessan	Study Area	3	Study Group		Local Authority	Meath
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Base Demand in 2019	
Domestic Demand (m ³ /day)	171
Non-Domestic Demand (m ³ /day)	65
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	147
Demand (m³/day)	386

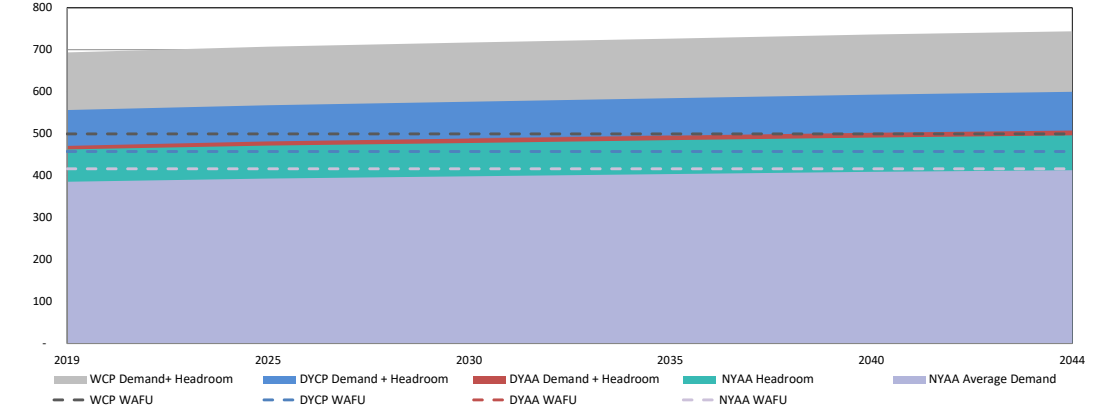
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	386	77	463	471	556	694
2025	393	79	472	481	568	708
2030	399	80	478	488	576	717
2035	404	81	485	496	585	727
2040	409	82	491	503	593	736
2044	413	83	496	508	600	744

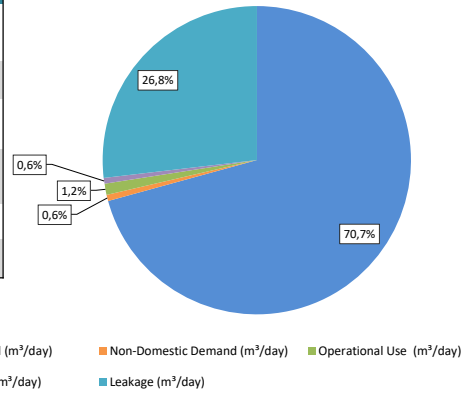
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000015	Kilmessan Swainstown WTP	500	417	458	No Licence	479	22Hr	458	-	458	
TOTAL		500	417	458	-	479		458	-	458	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU (m ³ /day)
2019	417	417	458	500	46	55	98	194	77	500
2025	417	417	458	500	55	65	110	208	79	500
2030	417	417	458	500	62	72	118	217	80	500
2035	417	417	458	500	68	79	126	227	81	500
2040	417	417	458	500	74	86	135	236	82	500
2044	417	417	458	500	79	91	141	244	83	500

WRZ CODE	2300SC0012	WRZ Name	Clonard	Study Area	4	Study Group		Local Authority	Meath
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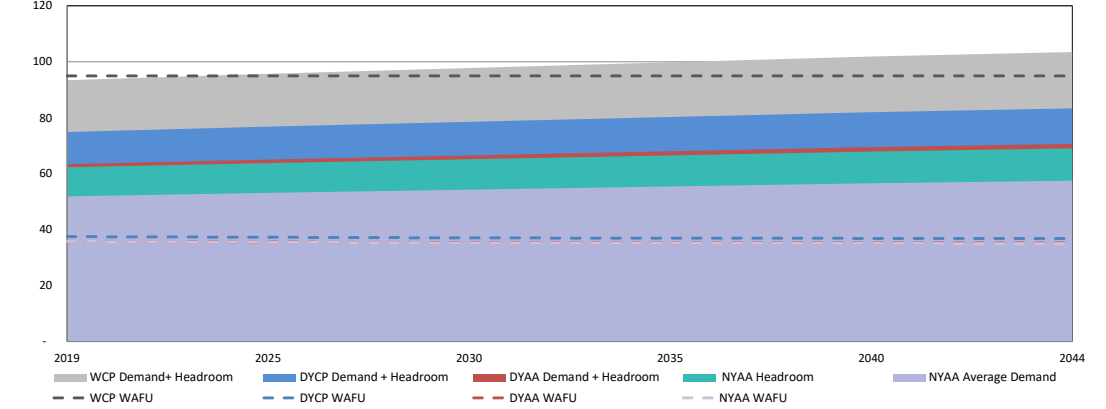
Base Demand in 2019	
Domestic Demand (m ³ /day)	37
Non-Domestic Demand (m ³ /day)	0
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	14
Demand (m³/day)	52

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	52	10	62	63	75	93
2025	53	11	64	65	77	96
2030	54	11	65	67	79	98
2035	55	11	67	68	80	100
2040	57	11	68	70	82	102
2044	57	11	69	71	83	103

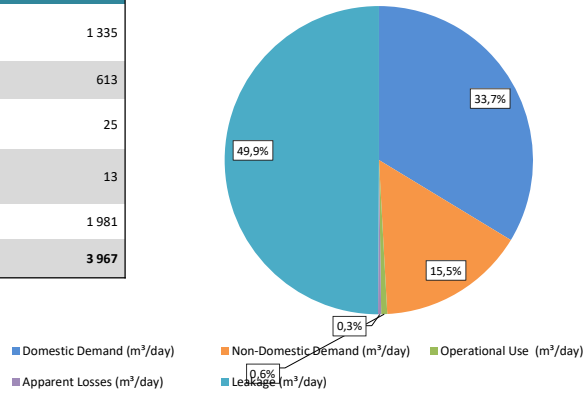
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000160	Meadowview Estate WTP	20	17	18	No Licence	19	22Hr	18	-	18	
WTP0001218	Abbeyfields Estate WTP	75	63	69	No Licence	19	Yield	19	-	19	
TOTAL		95	79	87	-	38		37	-	37	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	36	36	38	95	26	28	37	2	
2025	36	36	37	95	28	29	40	1	
2030	35	35	37	95	30	31	41	3	
2035	35	35	37	95	31	33	43	5	
2040	35	35	37	95	33	34	45	7	
2044	35	35	37	95	34	35	46	8	

WRZ CODE	2300SC0014	WRZ Name	Trim	Study Area	3	Study Group		Local Authority	Meath
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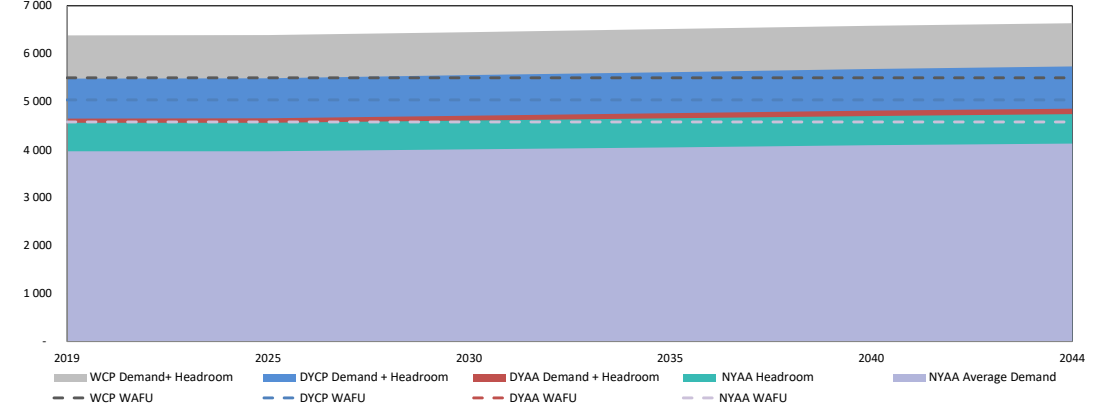
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 335
Non-Domestic Demand (m ³ /day)	613
Operational Use (m ³ /day)	25
Apparent Losses (m ³ /day)	13
Leakage (m ³ /day)	1 981
Demand (m³/day)	3 967

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 967	595	4 562	4 647	5 484	6 387
2025	3 967	595	4 562	4 654	5 492	6 387
2030	4 009	601	4 610	4 708	5 556	6 454
2035	4 050	608	4 658	4 763	5 620	6 521
2040	4 091	614	4 705	4 817	5 683	6 587
2044	4 125	619	4 743	4 856	5 733	6 640

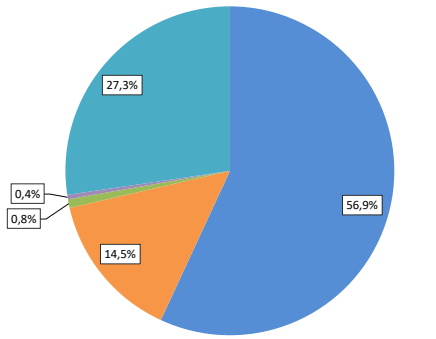
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000038	Trim WTP	5 500	4 583	5 042	No Licence	104 076	22Hr	5 042	-	5 042	
TOTAL		5 500	4 583	5 042	-	104 076		5 042	-	5 042	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	4 583	4 583	5 042	5 500	21 -	64 -	442 -	887	
2025	4 583	4 583	5 042	5 500	21 -	71 -	450 -	887	
2030	4 583	4 583	5 042	5 500 -	27 -	125 -	514 -	954	
2035	4 583	4 583	5 042	5 500 -	74 -	179 -	578 -	1 021	
2040	4 583	4 583	5 042	5 500 -	122 -	234 -	641 -	1 087	
2044	4 583	4 583	5 042	5 500 -	160 -	273 -	692 -	1 140	

WRZ CODE	2300SC0016	WRZ Name	Longwood	Study Area	4	Study Group		Local Authority	Meath
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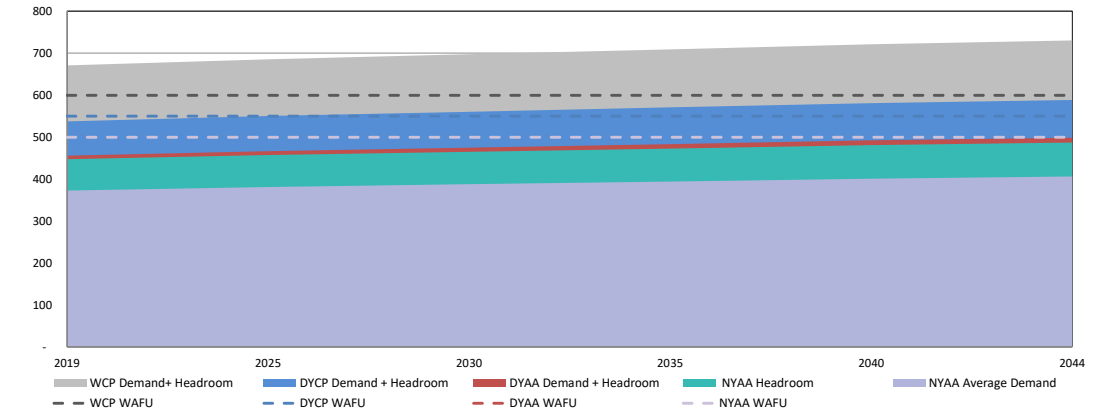
Base Demand in	2019
Domestic Demand (m ³ /day)	212
Non-Domestic Demand (m ³ /day)	54
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	102
Demand (m³/day)	373

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	373	75	447	455	537	671
2025	381	76	457	466	550	686
2030	388	78	465	475	560	698
2035	394	79	473	484	571	709
2040	401	80	481	492	581	721
2044	406	81	487	499	589	731

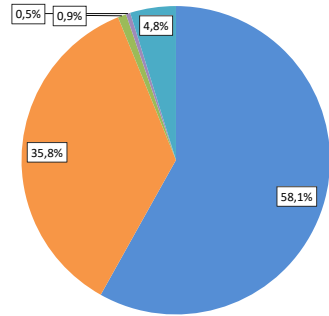
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000130	Longwood WTP	600	500	550	No Licence	575	22Hr	550	-	550	
TOTAL		600	500	550	-	575		550	-	550	

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	500	500	550	600	53	45	13	71
2025	500	500	550	600	43	34	0	86
2030	500	500	550	600	35	25	10	98
2035	500	500	550	600	27	16	21	109
2040	500	500	550	600	19	8	31	121
2044	500	500	550	600	13	1	39	131

WRZ CODE	2300SC0018	WRZ Name	Enfield	Study Area	4	Study Group		Local Authority	Meath
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Base Demand in 2019	
Domestic Demand (m ³ /day)	411
Non-Domestic Demand (m ³ /day)	253
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	34
Demand (m³/day)	708

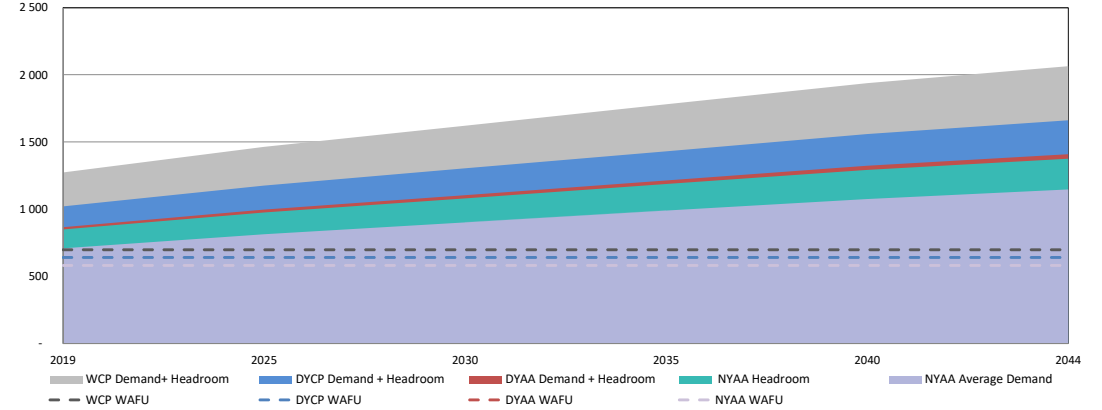
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	708	142	850	866	1 021	1 274
2025	814	163	977	996	1 176	1 465
2030	902	180	1 082	1 105	1 304	1 623
2035	989	198	1 187	1 214	1 432	1 781
2040	1 077	215	1 292	1 323	1 561	1 938
2044	1 147	229	1 376	1 409	1 664	2 065

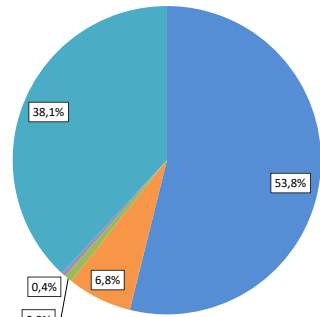
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000383	Enfield Borehole WTP	700	583	642	No Licence	733	22Hr	642	-	642	
TOTAL		700	583	642	-	733		642	-	642	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	583	583	642	700	266	282	380	574	574	574
2025	583	583	642	700	393	413	534	765	765	765
2030	583	583	642	700	499	522	662	923	923	923
2035	583	583	642	700	604	631	791	1 081	1 081	1 081
2040	583	583	642	700	709	740	919	1 238	1 238	1 238
2044	583	583	642	700	793	826	1 022	1 365	1 365	1 365

WRZ CODE	2300SC0024	WRZ Name	Castletown (Meath County)	Study Area	E	Study Group	Local Authority	Meath
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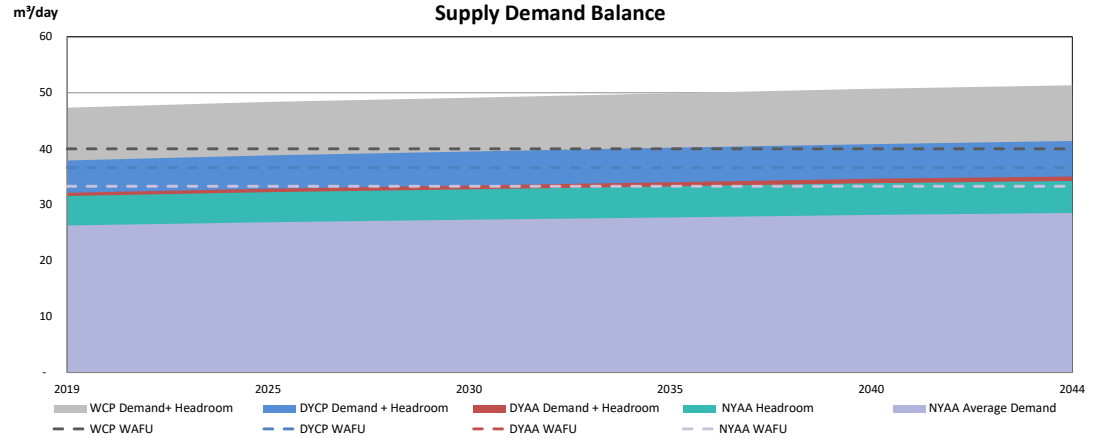
Base Demand in 2019	
Domestic Demand (m ³ /day)	14
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	10
Demand (m³/day)	26

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	26	5	32	32	38	47
2025	27	5	32	33	39	48
2030	27	5	33	33	39	49
2035	28	6	33	34	40	50
2040	28	6	34	35	41	51
2044	29	6	34	35	41	51

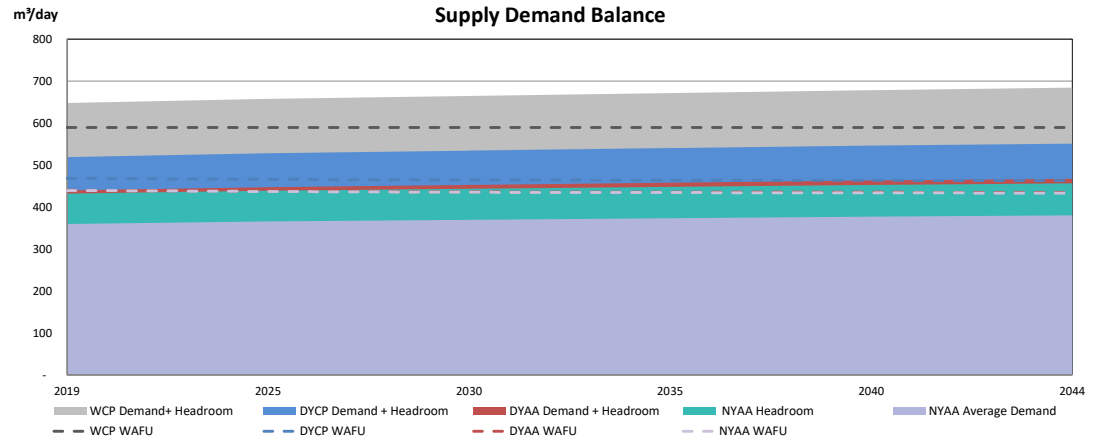
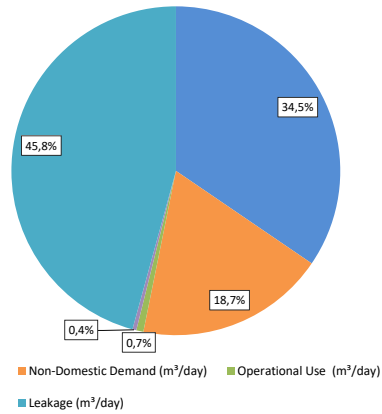
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000493	Castletown WTP	40	33	37	No Licence	38	22Hr	37	-	37	
TOTAL		40	33	37	-	38		37	-	37	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	33	33	37	40	2	1	1	7
2025	33	33	37	40	1	0	2	8
2030	33	33	37	40	1	0	3	9
2035	33	33	37	40	0	1	3	10
2040	33	33	37	40	0	1	4	11
2044	33	33	37	40	1	2	5	11

WRZ CODE	2300SC0025	WRZ Name	Kilmainhamwood /Nobber	Study Area	E	Study Group		Local Authority	Meath
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Base Demand in	2019
Domestic Demand (m ³ /day)	124
Non-Domestic Demand (m ³ /day)	67
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	165
Demand (m³/day)	360

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	360	72	432	440	519	648
2025	366	73	439	448	528	658
2030	369	74	443	453	534	665
2035	373	75	448	458	540	672
2040	377	75	453	463	547	679
2044	380	76	456	467	551	684

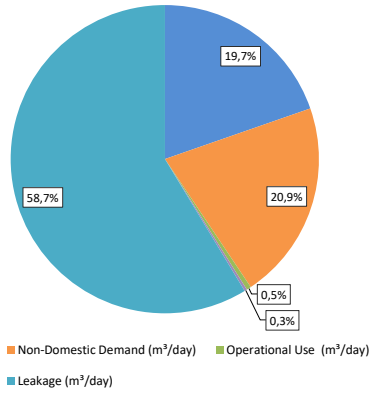
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000217	Nobber WTP	250	208	229	No Licence	153	Yield	152	-	152	
WTP0001117	Kilmainhamwood WTP	340	283	312	No Licence	326	22Hr	312	-	312	
TOTAL		590	492	541	-	479		463	-	463	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	440	440	469	590	8	0	51	58			
2025	438	438	467	590	1	9	61	68			
2030	435	436	465	590	8	16	69	75			
2035	435	436	464	590	13	22	76	82			
2040	434	435	464	590	18	28	83	89			
2044	434	435	463	590	22	32	88	94			

WRZ CODE	2300SC0027	WRZ Name	Moynalty	Study Area	3	Study Group		Local Authority	Meath
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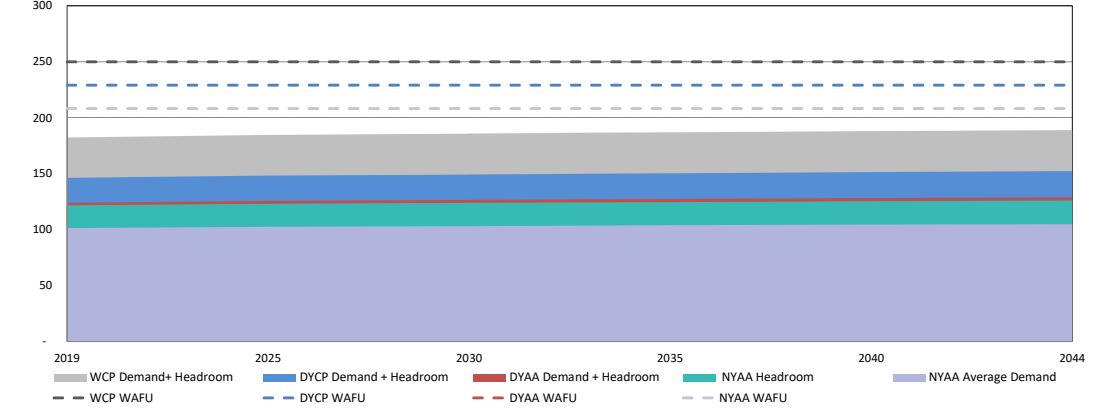
Base Demand in 2019	
Domestic Demand (m ³ /day)	20
Non-Domestic Demand (m ³ /day)	21
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	59
Demand (m³/day)	101

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	101	20	122	124	146	182
2025	103	21	123	126	148	185
2030	103	21	124	126	149	186
2035	104	21	125	127	150	187
2040	104	21	125	128	151	188
2044	105	21	126	129	152	189

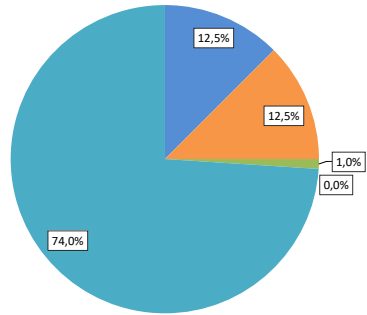
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000198	Moynalty WTP	250	208	229	No Licence	239	22Hr	229	-	229	
TOTAL		250	208	229	-	239		229	-	229	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	208	208	229	250	87	84	83	68
2025	208	208	229	250	85	83	81	65
2030	208	208	229	250	84	82	80	64
2035	208	208	229	250	84	81	79	63
2040	208	208	229	250	83	80	78	62
2044	208	208	229	250	82	79	77	61

WRZ CODE	2300SC0045	WRZ Name	St Louis, National School,	Study Area	3	Study Group	Local Authority	Meath
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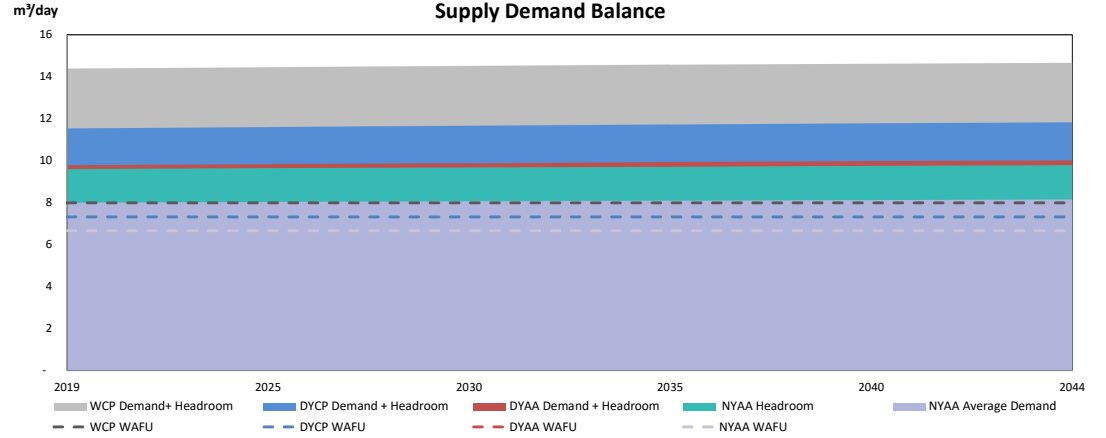
Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	6
Demand (m³/day)	8

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	2	10	10	12	14
2025	8	2	10	10	12	14
2030	8	2	10	10	12	15
2035	8	2	10	10	12	15
2040	8	2	10	10	12	15
2044	8	2	10	10	12	15

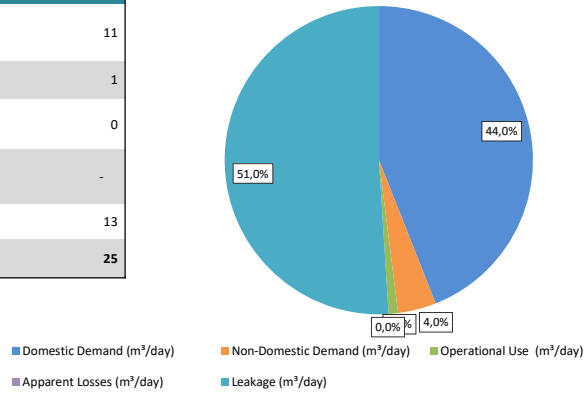
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000657	Rathkenny School WTP	8	7	7	No Licence	10	22Hr	7	-	7	
TOTAL		8	7	7	-	10		7	-	7	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7	7	7	8 -	3 -	3 -	4 -	6
2025	7	7	7	8 -	3 -	3 -	4 -	6
2030	7	7	7	8 -	3 -	3 -	4 -	7
2035	7	7	7	8 -	3 -	3 -	4 -	7
2040	7	7	7	8 -	3 -	3 -	4 -	7
2044	7	7	7	8 -	3 -	3 -	4 -	7

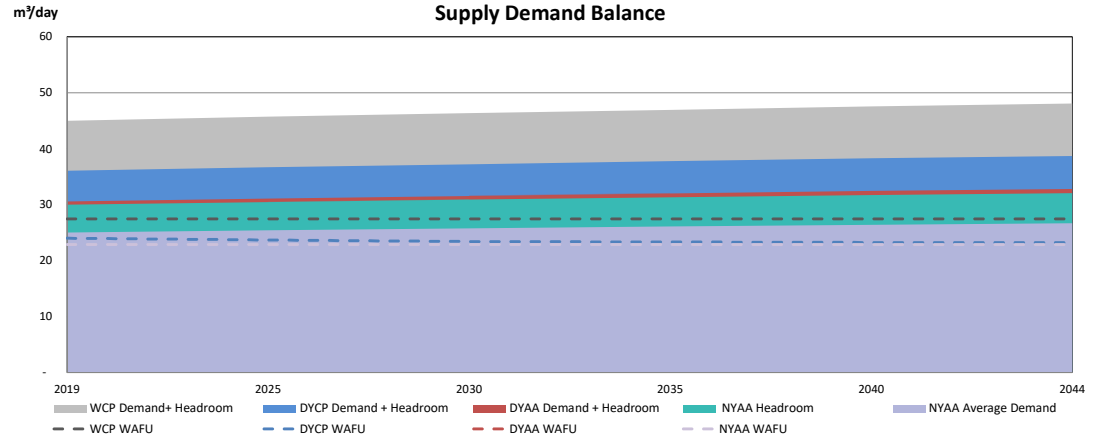
WRZ CODE	2300SC0049	WRZ Name	Moynalvey Manor	Study Area	3	Study Group		Local Authority	Meath
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Base Demand in 2019	
Domestic Demand (m ³ /day)	11
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	13
Demand (m³/day)	25

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	25	5	30	31	36	45
2025	25	5	30	31	37	46
2030	26	5	31	32	37	46
2035	26	5	31	32	38	47
2040	26	5	32	32	38	48
2044	27	5	32	33	39	48

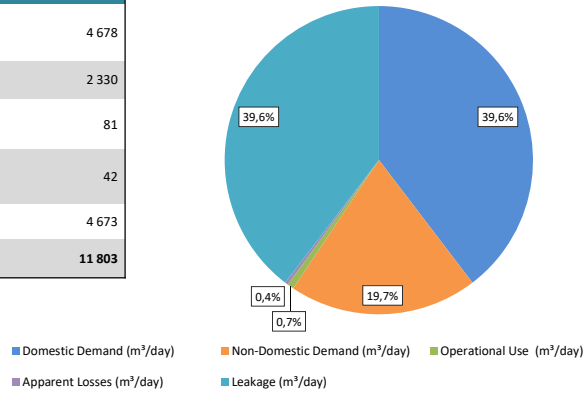
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000979	Moynalvey Manor WTP	28	23	25	No Licence	24	Yield	23	-	23	
TOTAL		28	23	25	-	24		23	-	23	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	23	23	24	28	7	8	12	18	23	23	24	28
2025	23	23	24	28	8	8	13	18	23	23	24	28
2030	23	23	23	28	8	9	14	19	23	23	23	28
2035	23	23	23	28	8	9	14	19	23	23	23	28
2040	23	23	23	28	9	10	15	20	23	23	23	28
2044	23	23	23	28	9	10	16	21	23	23	23	28

WRZ CODE	2300SC0055	WRZ Name	Navan-Mid Meath	Study Area	3	Study Group		Local Authority	Meath
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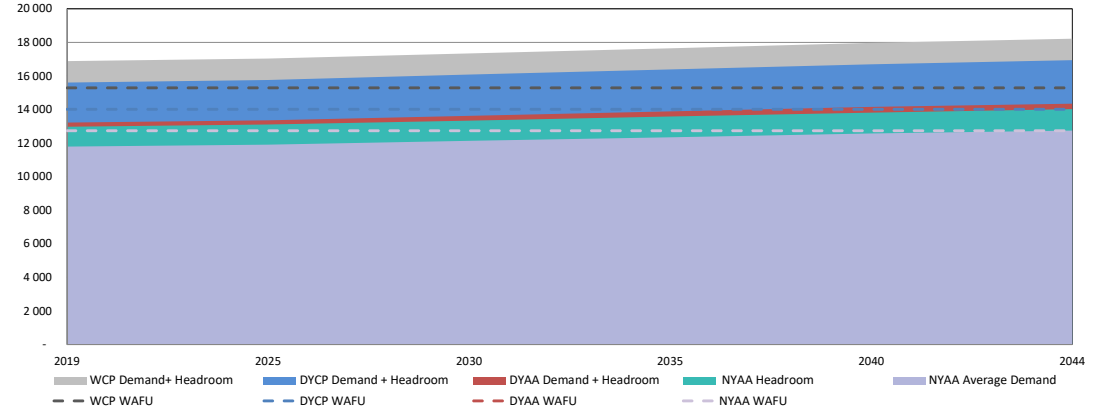
Base Demand in 2019	
Domestic Demand (m ³ /day)	4 678
Non-Domestic Demand (m ³ /day)	2 330
Operational Use (m ³ /day)	81
Apparent Losses (m ³ /day)	42
Leakage (m ³ /day)	4 673
Demand (m³/day)	11 803

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	11 803	1 180	12 983	13 226	15 606	16 878
2025	11 910	1 191	13 101	13 365	15 770	17 031
2030	12 129	1 213	13 342	13 627	16 079	17 345
2035	12 348	1 235	13 583	13 889	16 389	17 658
2040	12 567	1 257	13 824	14 153	16 697	17 971
2044	12 743	1 274	14 017	14 351	16 943	18 222

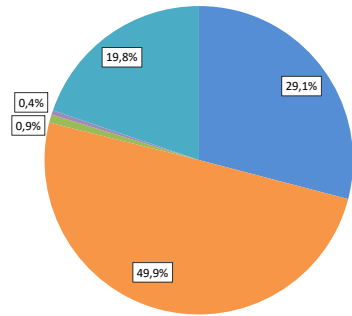
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001041	Kilcarn WTP	1 620	1 350	1 485	No Licence	150 636	22Hr	1 485	-	1 485	Significant Reduction
WTP0000117	Liscartan WTP	14 400	12 000	13 200	No Licence	36 388	22Hr	13 200	660	12 540	
TOTAL		16 020	13 350	14 685	-	187 023		14 685	-	660	14 025

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)
2019	12 750	12 750	14 025	15 300	233	476	1 581	1 578	1 485
2025	12 750	12 750	14 025	15 300	351	615	1 745	1 731	1 485
2030	12 750	12 750	14 025	15 300	592	877	2 054	2 045	1 485
2035	12 750	12 750	14 025	15 300	833	1 139	2 364	2 358	1 485
2040	12 750	12 750	14 025	15 300	1 074	1 403	2 672	2 671	1 485
2044	12 750	12 750	14 025	15 300	1 267	1 601	2 918	2 922	1 485

WRZ CODE	2400SC0002	WRZ Name	Ballybay (Lough Egish)	Study Area	B	Study Group		Local Authority	Monaghan
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 162
Non-Domestic Demand (m ³ /day)	1 993
Operational Use (m ³ /day)	35
Apparent Losses (m ³ /day)	18
Leakage (m ³ /day)	790
Demand (m³/day)	3 998

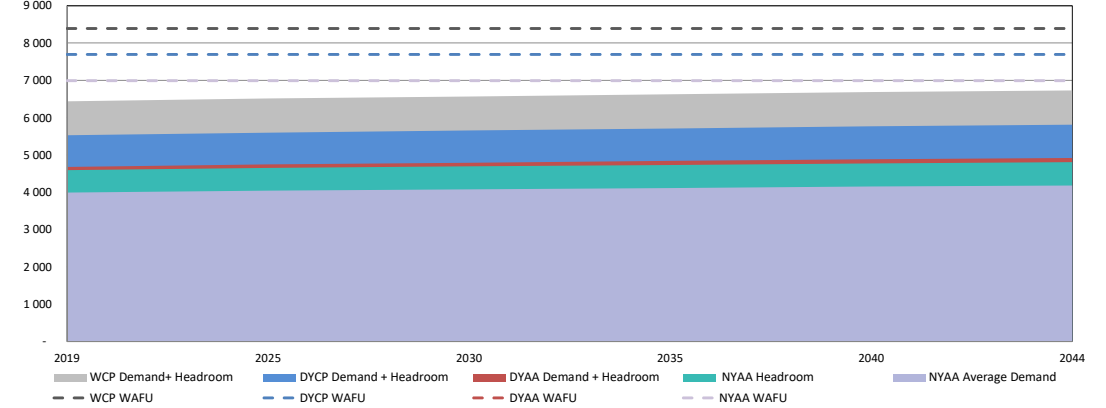
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 998	600	4 598	4 684	5 272	6 437
2025	4 046	607	4 653	4 746	5 601	6 514
2030	4 082	612	4 694	4 794	5 657	6 572
2035	4 118	618	4 736	4 842	5 714	6 630
2040	4 154	623	4 777	4 891	5 770	6 688
2044	4 183	627	4 810	4 925	5 814	6 734

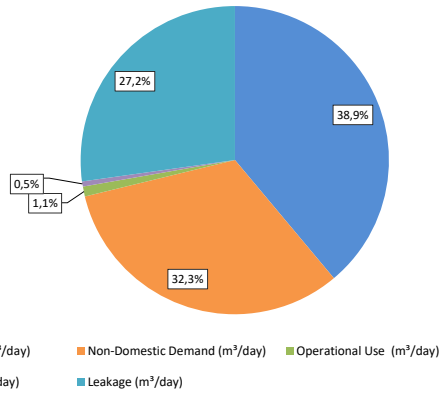
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001103	Kilkitt WTP	8 400	7 000	7 700	No Licence	8 050	22Hr	7 700	-	7 700	
TOTAL		8 400	7 000	7 700	-	8 050		7 700	-	7 700	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	7 000	7 000	7 700	8 400	2 402	2 316	2 173	1 963	
2025	7 000	7 000	7 700	8 400	2 347	2 254	2 099	1 886	
2030	7 000	7 000	7 700	8 400	2 306	2 206	2 043	1 828	
2035	7 000	7 000	7 700	8 400	2 264	2 158	1 986	1 770	
2040	7 000	7 000	7 700	8 400	2 223	2 109	1 930	1 712	
2044	7 000	7 000	7 700	8 400	2 190	2 075	1 886	1 666	

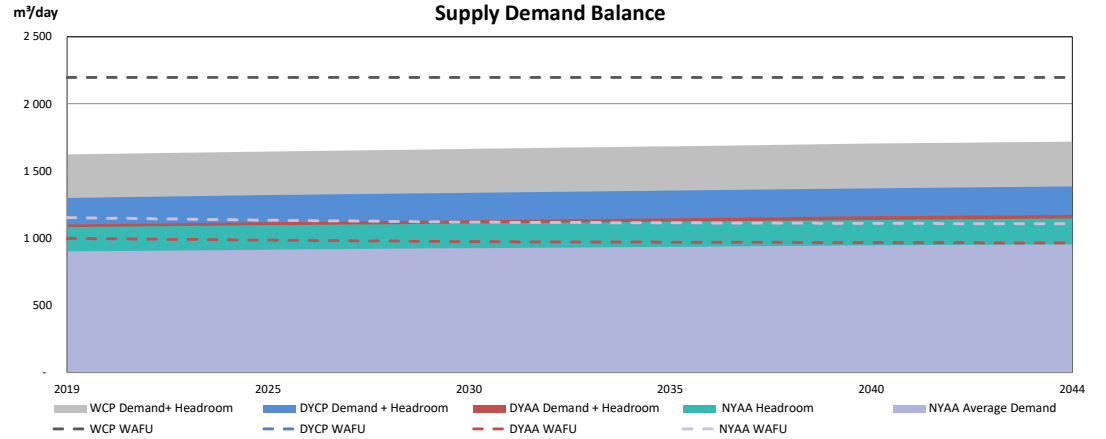
WRZ CODE	2400SC003	WRZ Name	Clones	Study Area	B	Study Group		Local Authority	Monaghan
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Base Demand in 2019	
Domestic Demand (m ³ /day)	351
Non-Domestic Demand (m ³ /day)	292
Operational Use (m ³ /day)	10
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	245
Demand (m³/day)	902

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	902	180	1 082	1 103	1 301	1 623
2025	914	183	1 097	1 119	1 321	1 646
2030	925	185	1 110	1 134	1 338	1 665
2035	936	187	1 123	1 149	1 355	1 685
2040	947	189	1 136	1 163	1 372	1 705
2044	956	191	1 147	1 174	1 386	1 720

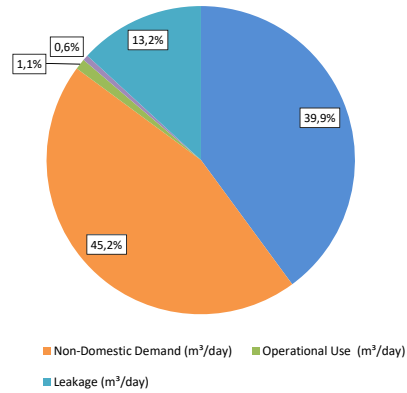
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000352	Carnroe WTP	2 200	1 833	2 017	No Licence	1 045	Yield	967	-	967	
TOTAL		2 200	1 833	2 017	-	1 045		967	-	967	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 155	1 000	1 000	2 200	72	-	102	-	301	577		
2025	1 136	987	987	2 200	39	-	133	-	334	554		
2030	1 121	976	976	2 200	10	-	158	-	362	535		
2035	1 116	972	972	2 200	7	-	176	-	383	515		
2040	1 112	969	969	2 200	24	-	194	-	403	495		
2044	1 108	967	967	2 200	38	-	207	-	420	480		

WRZ CODE	2400SC004	WRZ Name	Newbliss	Study Area	B	Study Group		Local Authority	Monaghan
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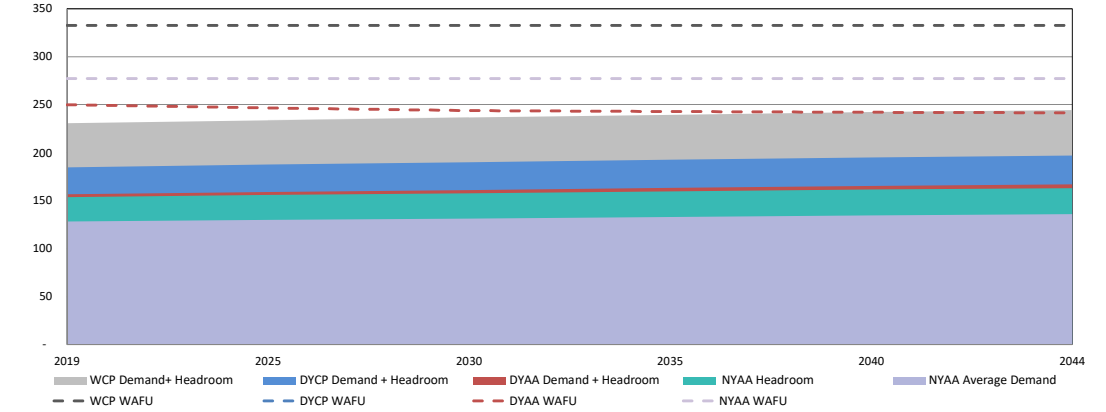
Base Demand in 2019	
Domestic Demand (m ³ /day)	51
Non-Domestic Demand (m ³ /day)	58
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	17
Demand (m³/day)	128

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	128	26	154	157	185	231
2025	130	26	156	159	188	234
2030	131	26	158	161	190	237
2035	133	27	160	163	193	239
2040	135	27	162	165	195	242
2044	136	27	163	167	197	245

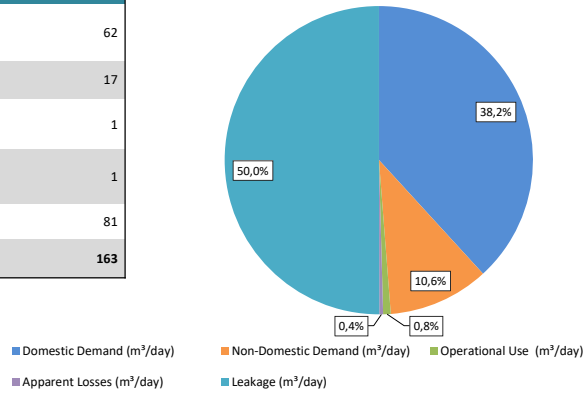
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000209	Newbliss WTP	333	278	305	No Licence	261	Yield	242	-	242	
TOTAL		333	278	305	-	261		242	-	242	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	278	250	250	333	124	94	65	102
2025	278	247	247	333	122	88	59	99
2030	278	244	244	333	120	83	54	96
2035	278	243	243	333	118	80	51	94
2040	278	242	242	333	116	77	47	91
2044	278	242	242	333	114	75	45	88

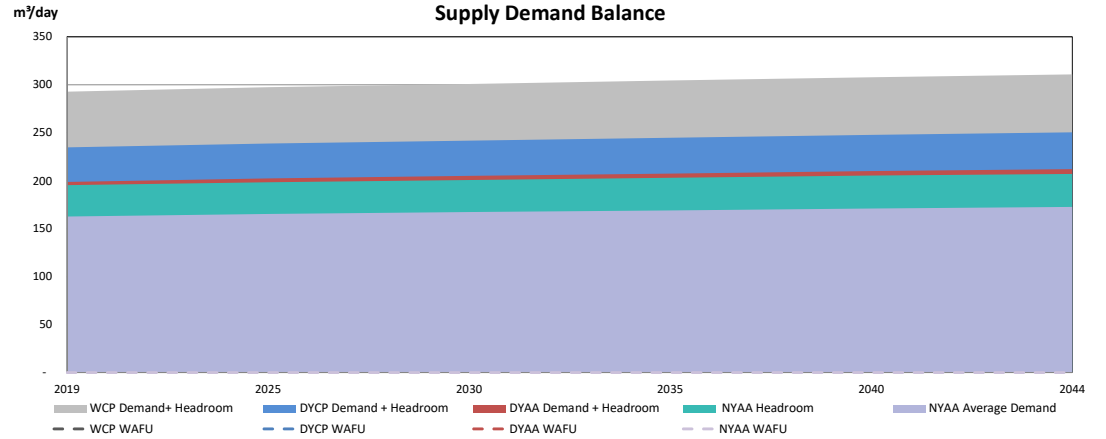
WRZ CODE	2400SC0005	WRZ Name	Glaslough (GWS Import)	Study Area	B	Study Group		Local Authority	Monaghan
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Base Demand in 2019	
Domestic Demand (m ³ /day)	62
Non-Domestic Demand (m ³ /day)	17
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	81
Demand (m³/day)	163

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	163	33	195	199	235	293
2025	165	33	198	202	239	298
2030	167	33	201	205	242	301
2035	169	34	203	208	245	304
2040	171	34	205	210	248	308
2044	173	35	207	212	250	311

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
Supply imported from group water scheme, no Irish Water assets.											
TOTAL		-	-	-	-	-		-	-	-	

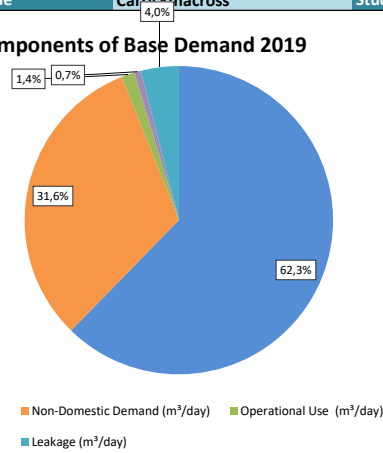
Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-

Supply imported from group water scheme, no Irish Water assets.

WRZ CODE	2400SC0006	WRZ Name	Carrickmacross	Study Area	E	Study Group		Local Authority	Monaghan
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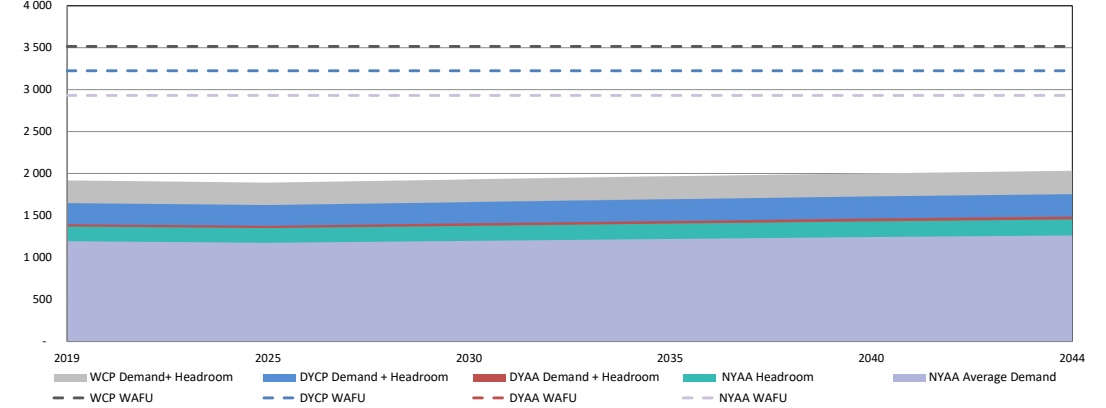
Base Demand in 2019	
Domestic Demand (m ³ /day)	744
Non-Domestic Demand (m ³ /day)	378
Operational Use (m ³ /day)	16
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	47
Demand (m³/day)	1 194

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 194	179	1 373	1 398	1 650	1 922
2025	1 176	176	1 353	1 380	1 628	1 894
2030	1 199	180	1 379	1 409	1 662	1 931
2035	1 222	183	1 406	1 437	1 696	1 968
2040	1 245	187	1 432	1 466	1 730	2 005
2044	1 264	190	1 453	1 488	1 757	2 035

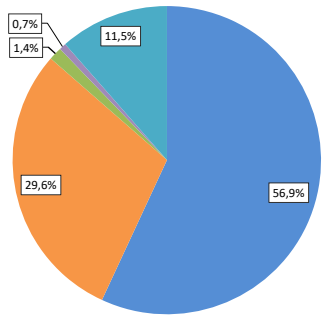
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000260	Nafarty WTP	3 520	2 933	3 227	No Licence	6 207	22Hr	3 227	-	3 227	
TOTAL		3 520	2 933	3 227	-	6 207		3 227	-	3 227	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	2 933	2 933	3 227	3 520	1 561	1 535	1 577	1 598	
2025	2 933	2 933	3 227	3 520	1 581	1 553	1 598	1 626	
2030	2 933	2 933	3 227	3 520	1 554	1 525	1 565	1 589	
2035	2 933	2 933	3 227	3 520	1 528	1 496	1 531	1 552	
2040	2 933	2 933	3 227	3 520	1 501	1 467	1 497	1 515	
2044	2 933	2 933	3 227	3 520	1 480	1 445	1 470	1 485	

WRZ CODE	2400SC0008	WRZ Name	Emyvale (GWS Import)	Study Area	B	Study Group		Local Authority	Monaghan
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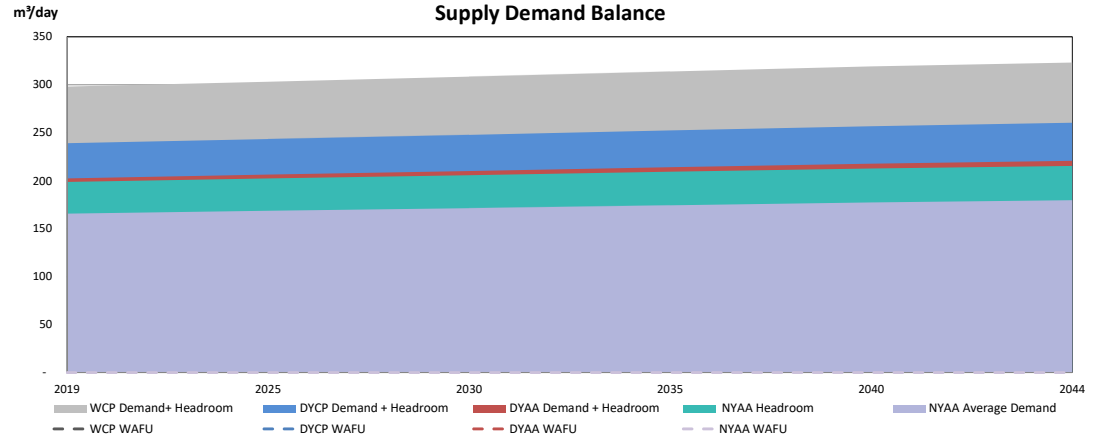
Base Demand in 2019	
Domestic Demand (m ³ /day)	94
Non-Domestic Demand (m ³ /day)	49
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	19
Demand (m³/day)	166

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	166	33	199	203	239	298
2025	169	34	202	206	243	303
2030	171	34	206	210	248	309
2035	174	35	209	214	252	314
2040	177	35	213	218	257	319
2044	180	36	216	221	261	323

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
Supply imported from group water scheme, no Irish Water assets.											
TOTAL		-	-	-	-	-		-	-	-	

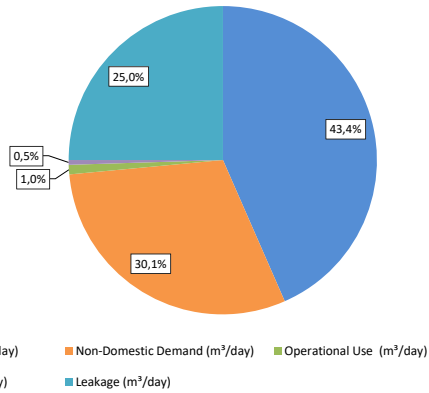
Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	199	203	239	298	166	203	239	298
2025	202	206	243	303	169	206	243	303
2030	206	210	248	309	171	210	248	309
2035	209	214	252	314	174	214	252	314
2040	213	218	257	319	177	218	257	319
2044	216	221	261	323	180	221	261	323

Supply imported from group water scheme, no Irish Water assets.

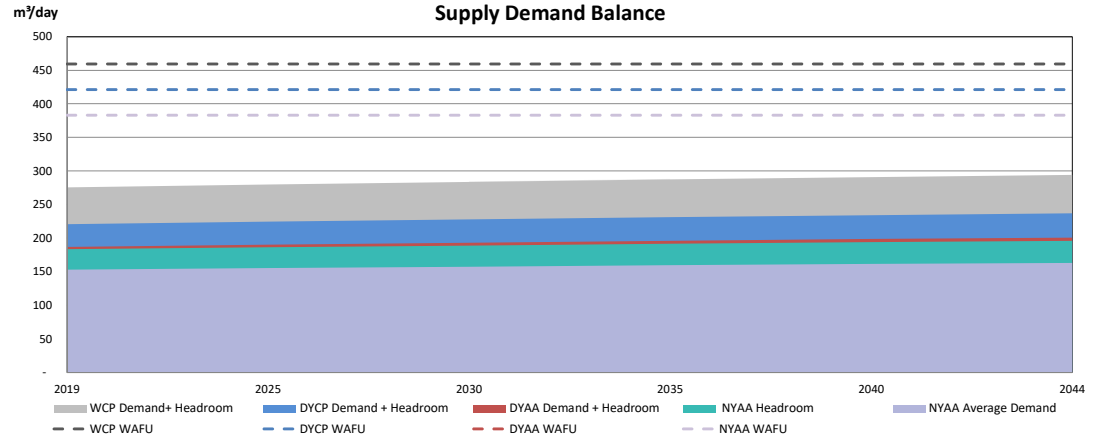
WRZ CODE	2400SC0009	WRZ Name	Inniskeen	Study Area	E	Study Group		Local Authority	Monaghan
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Base Demand in 2019	
Domestic Demand (m ³ /day)	66
Non-Domestic Demand (m ³ /day)	46
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	38
Demand (m³/day)	153

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	153	31	184	187	221	276
2025	156	31	187	191	225	280
2030	158	32	189	193	228	284
2035	160	32	192	196	231	288
2040	162	32	194	199	235	291
2044	163	33	196	201	237	294

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000485	Inniskeen WTP	460	383	422	No Licence	12 959	22Hr	422	-	422	
TOTAL		460	383	422	-	12 959		422	-	422	

WAFU

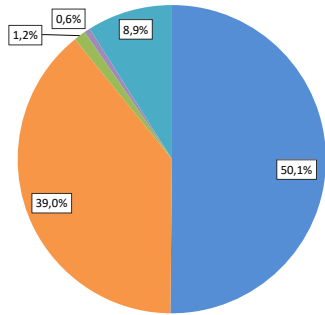
Supply Demand Balance

Year	WAFU			Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	383	383	422	460	200	196	201	184		
2025	383	383	422	460	197	193	197	180		
2030	383	383	422	460	194	190	194	176		
2035	383	383	422	460	192	187	190	172		
2040	383	383	422	460	189	185	187	169		
2044	383	383	422	460	187	183	185	166		

WRZ CODE	2400SC0010	WRZ Name	Smithboro	Study Area	B	Study Group		Local Authority	Monaghan
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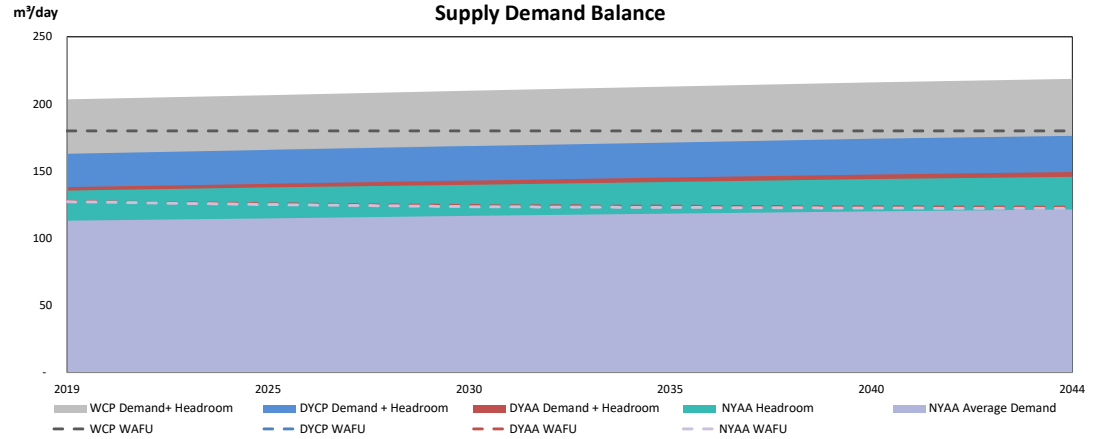
Base Demand in 2019	
Domestic Demand (m ³ /day)	57
Non-Domestic Demand (m ³ /day)	44
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	10
Demand (m³/day)	113

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	113	23	136	138	163	203
2025	115	23	138	141	166	207
2030	117	23	140	143	169	210
2035	118	24	142	145	171	213
2040	120	24	144	148	174	216
2044	121	24	146	149	176	219

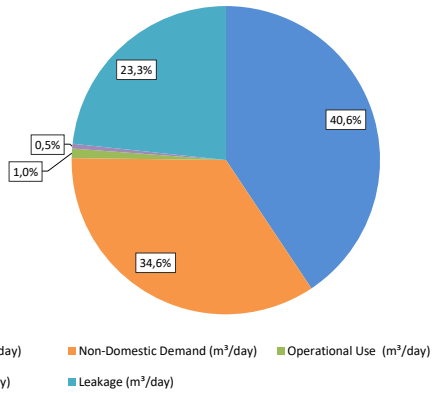
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000708	Smithboro WTP	180	150	165	No Licence	125	Yield	123	-	123	
TOTAL		180	150	165	-	125		123	-	123	

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU	Operational Comments
2019	127	128	128	180	113	163	138	203	23	125	
2025	125	126	126	180	115	166	141	207	23	125	
2030	124	124	124	180	117	169	143	210	23	125	
2035	123	124	124	180	118	171	145	213	24	125	
2040	123	124	124	180	120	174	148	216	24	125	
2044	122	123	123	180	121	176	149	219	24	125	

WRZ CODE	2400SC0011	WRZ Name	Monaghan	Study Area	B	Study Group		Local Authority	Monaghan
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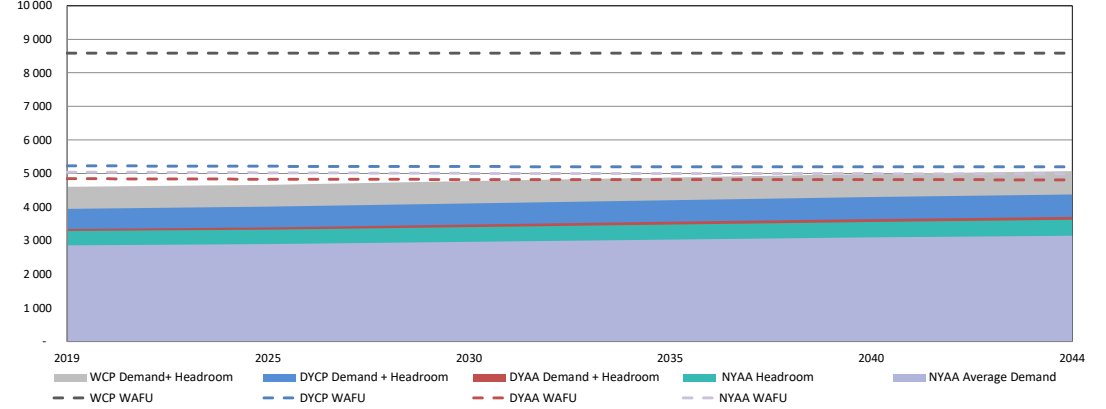
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 162
Non-Domestic Demand (m ³ /day)	989
Operational Use (m ³ /day)	28
Apparent Losses (m ³ /day)	15
Leakage (m ³ /day)	666
Demand (m³/day)	2 861

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 861	429	3 290	3 351	3 954	4 606
2025	2 900	435	3 335	3 403	4 015	4 670
2030	2 967	445	3 412	3 485	4 112	4 777
2035	3 034	455	3 489	3 567	4 209	4 884
2040	3 100	465	3 565	3 650	4 306	4 991
2044	3 154	473	3 627	3 713	4 384	5 077

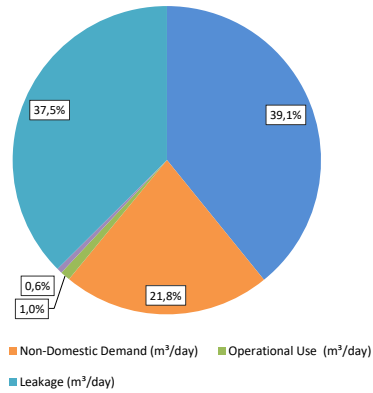
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001231	Togan (Lake) WTP	4 000	3 333	3 667	No Licence	1 069	Yield	989	-	989	
WTP0000592	Crosses WTP	4 600	3 833	4 217	No Licence	5 214	22Hr	4 217	-	4 217	
TOTAL		8 600	7 167	7 883	-	6 283		5 206	-	5 206	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	5 051	4 857	5 240	8 600	1 761	1 505	1 285	3 994	
2025	5 031	4 843	5 226	8 600	1 696	1 440	1 211	3 930	
2030	5 015	4 831	5 215	8 600	1 603	1 346	1 103	3 823	
2035	5 010	4 828	5 211	8 600	1 521	1 261	1 002	3 716	
2040	5 006	4 825	5 208	8 600	1 440	1 174	902	3 609	
2044	5 002	4 822	5 206	8 600	1 375	1 109	822	3 523	

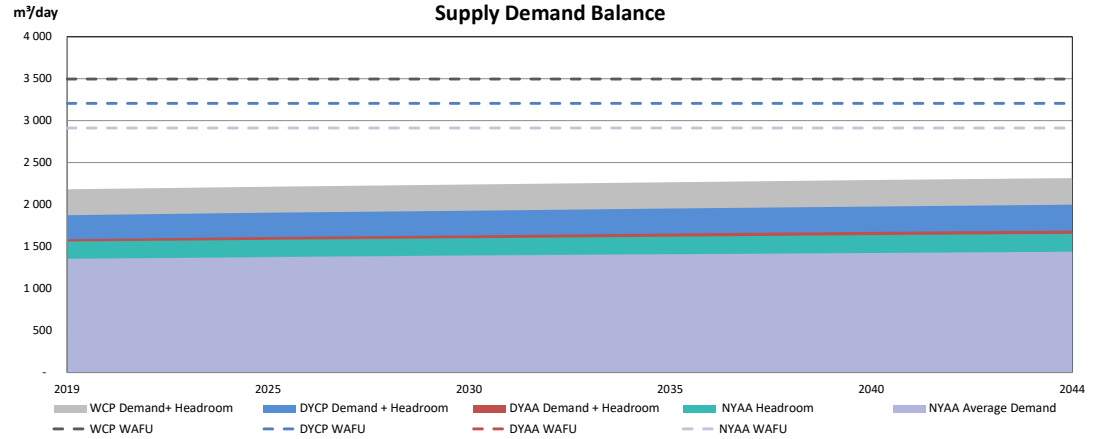
WRZ CODE	2500SC0001	WRZ Name	Banagher PWS	Study Area	5	Study Group		Local Authority	Offaly
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Base Demand in 2019	
Domestic Demand (m ³ /day)	531
Non-Domestic Demand (m ³ /day)	296
Operational Use (m ³ /day)	14
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	508
Demand (m³/day)	1 356

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 356	203	1 560	1 589	1 875	2 184
2025	1 376	206	1 582	1 614	1 904	2 215
2030	1 392	209	1 601	1 635	1 929	2 241
2035	1 408	211	1 620	1 656	1 954	2 268
2040	1 425	214	1 639	1 678	1 979	2 294
2044	1 438	216	1 654	1 693	1 999	2 315

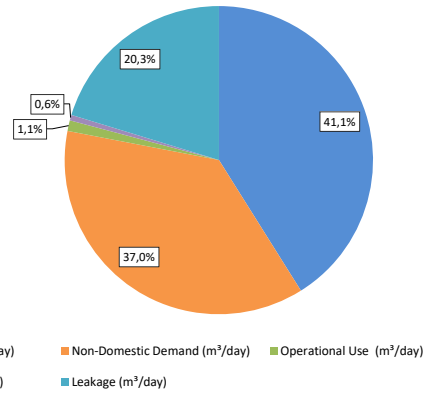
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001268	Clontotin WTP	1 000	833	917	No Licence	1 964	22Hr	917	-	917	
WTP0001272	Banagher WTP	2 500	2 083	2 292	No Licence	433 419	22Hr	2 292	-	2 292	
TOTAL		3 500	2 917	3 208	-	435 382		3 208	-	3 208	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	2 917	2 917	3 208	3 500	1 357	1 328	1 333	1 316	
2025	2 917	2 917	3 208	3 500	1 335	1 303	1 304	1 285	
2030	2 917	2 917	3 208	3 500	1 316	1 282	1 279	1 259	
2035	2 917	2 917	3 208	3 500	1 297	1 260	1 254	1 232	
2040	2 917	2 917	3 208	3 500	1 278	1 239	1 229	1 206	
2044	2 917	2 917	3 208	3 500	1 263	1 224	1 209	1 185	

WRZ CODE	2500SC0002	WRZ Name	Tullamore	Study Area	6	Study Group		Local Authority	Offaly
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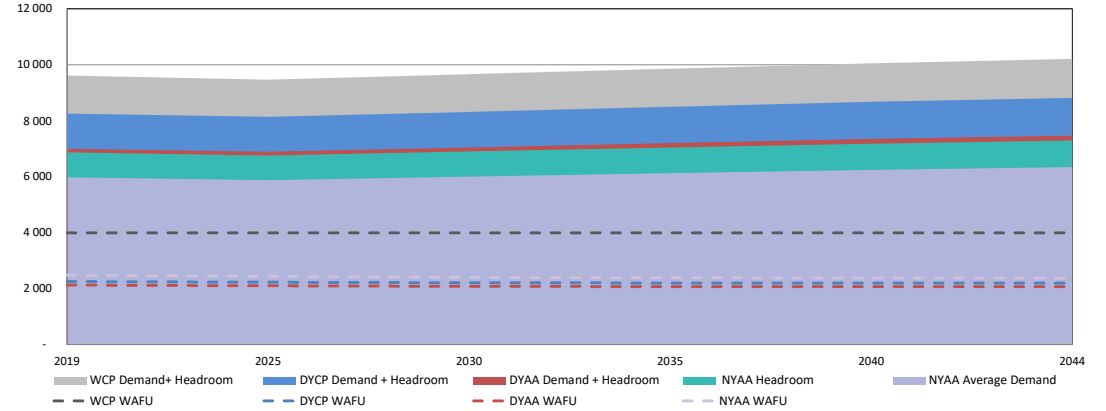
Base Demand in 2019	
Domestic Demand (m ³ /day)	2 453
Non-Domestic Demand (m ³ /day)	2 208
Operational Use (m ³ /day)	66
Apparent Losses (m ³ /day)	34
Leakage (m ³ /day)	1 211
Demand (m³/day)	5 973

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5 973	896	6 869	6 997	8 256	9 616
2025	5 878	882	6 760	6 896	8 137	9 464
2030	6 000	900	6 900	7 047	8 315	9 660
2035	6 122	918	7 041	7 199	8 495	9 857
2040	6 244	937	7 181	7 352	8 673	10 053
2044	6 342	951	7 293	7 467	8 816	10 211

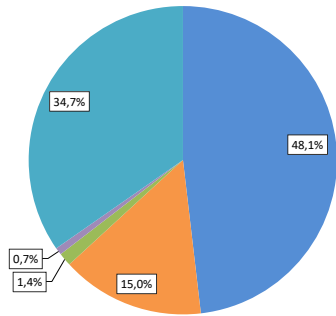
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001245	Arden WTP	1 500	1 250	1 375	No Licence	1 580	22Hr	1 375	-	1 375	
WTP0001258	Clonaslee WTP	2 500	2 083	2 292	No Licence	887	Yield	821	-	821	Critical - Low Flow Intervention
TOTAL		4 000	3 333	3 667	-	2 468		2 196	-	2 196	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	2 483	2 132	2 257	4 000	4 386	4 865	5 999	5 616	
2025	2 440	2 108	2 233	4 000	4 320	4 788	5 904	5 464	
2030	2 405	2 087	2 212	4 000	4 495	4 960	6 103	5 660	
2035	2 394	2 081	2 206	4 000	4 647	5 118	6 289	5 857	
2040	2 384	2 075	2 200	4 000	4 797	5 277	6 473	6 053	
2044	2 376	2 071	2 196	4 000	4 917	5 396	6 620	6 211	

WRZ CODE	2500SC003	WRZ Name	Kilcormac PWS	Study Area	5	Study Group		Local Authority	Offaly
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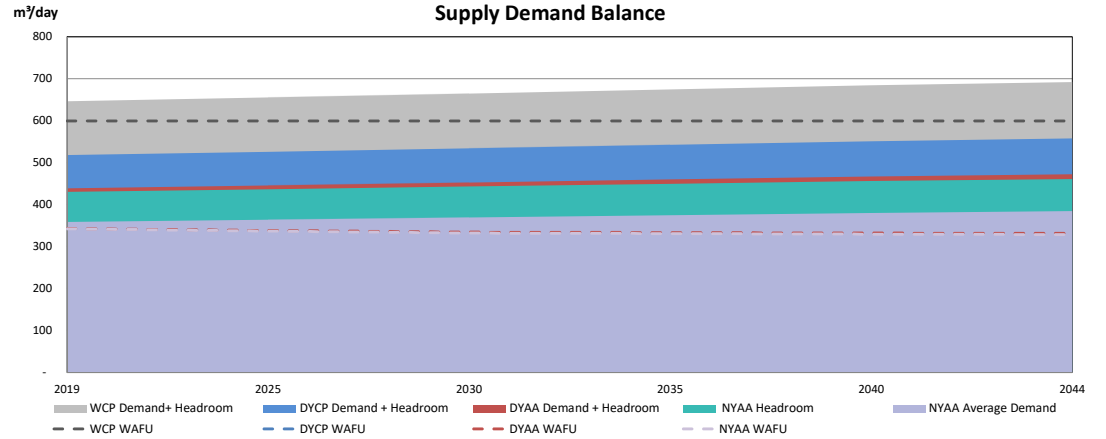
Base Demand in 2019	
Domestic Demand (m ³ /day)	173
Non-Domestic Demand (m ³ /day)	54
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	125
Demand (m³/day)	359

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	359	72	431	439	518	646
2025	364	73	437	446	526	655
2030	369	74	443	453	534	665
2035	375	75	450	460	543	675
2040	380	76	456	467	551	684
2044	384	77	461	472	558	692

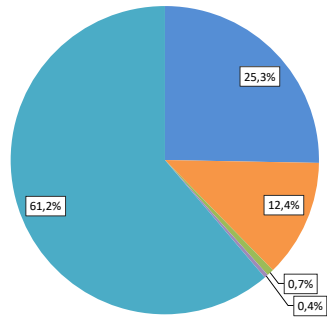
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001251	Kilcormac WTP	600	500	550	No Licence	335	Yield	332	-	332	
TOTAL		600	500	550	-	335		332	-	332	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	343	343	343	600	88	96	175	46	-	-	-	-
2025	337	339	339	600	100	107	187	55	-	-	-	-
2030	333	335	335	600	111	118	199	65	-	-	-	-
2035	331	334	334	600	118	126	209	75	-	-	-	-
2040	330	333	333	600	126	134	218	84	-	-	-	-
2044	329	332	332	600	132	140	226	92	-	-	-	-

WRZ CODE	2500SC0004	WRZ Name	Geashill PWS	Study Area	4	Study Group		Local Authority	Offaly
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Base Demand in 2019	
Domestic Demand (m ³ /day)	90
Non-Domestic Demand (m ³ /day)	44
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	217
Demand (m³/day)	355

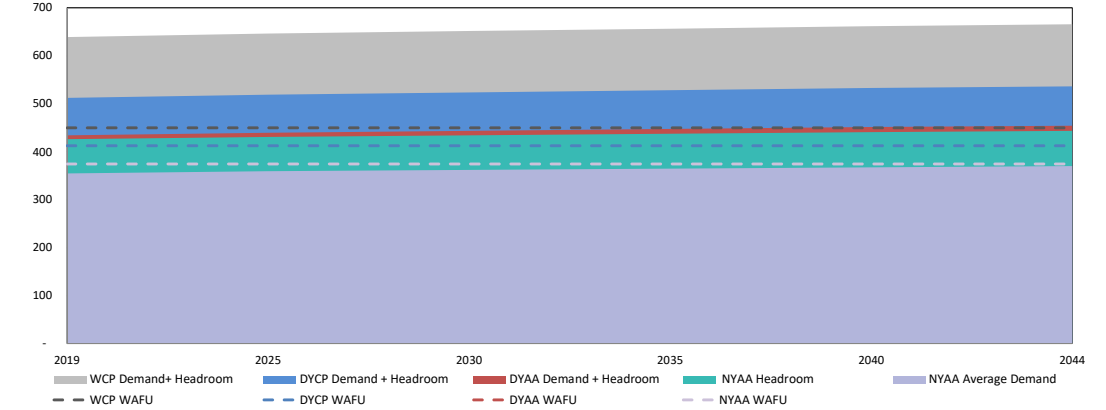
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	355	71	426	434	512	639
2025	359	72	431	440	519	647
2030	362	72	434	444	524	652
2035	365	73	438	448	528	657
2040	368	74	441	452	533	662
2044	370	74	444	454	536	666

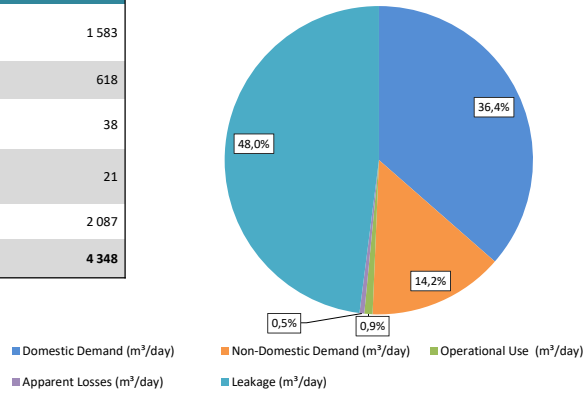
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000010	Geashill WTP	450	375	413	No Licence	431	22Hr	413	-	413	
TOTAL		450	375	413	-	431		413	-	413	

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	
2019	375	375	413	450	-	51	-	59	-	99	189
2025	375	375	413	450	-	56	-	65	-	106	197
2030	375	375	413	450	-	59	-	69	-	111	202
2035	375	375	413	450	-	63	-	73	-	116	207
2040	375	375	413	450	-	66	-	77	-	120	212
2044	375	375	413	450	-	69	-	79	-	124	216

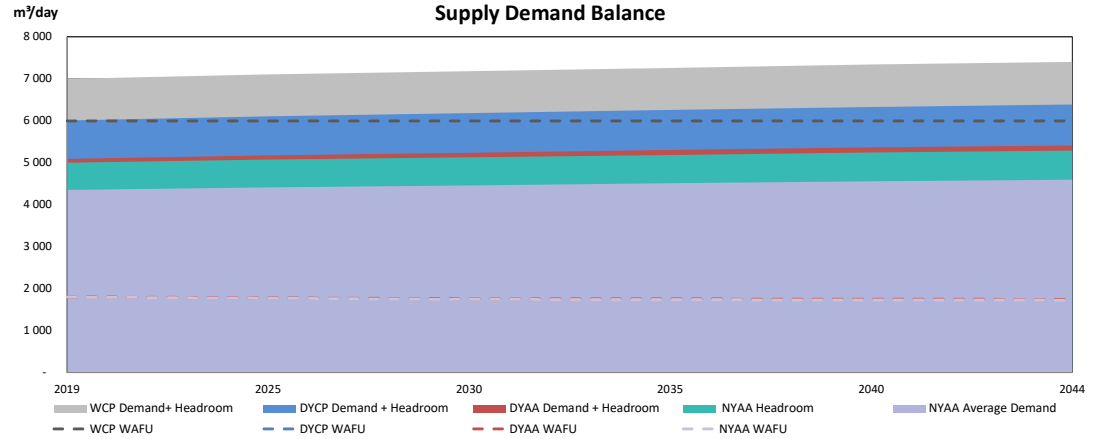
WRZ CODE	2500SC0005	WRZ Name	Edenderry / Rhode	Study Area	4	Study Group		Local Authority	Offaly
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 583
Non-Domestic Demand (m ³ /day)	618
Operational Use (m ³ /day)	38
Apparent Losses (m ³ /day)	21
Leakage (m ³ /day)	2 087
Demand (m³/day)	4 348

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4 348	652	5 000	5 093	6 010	7 000
2025	4 411	662	5 072	5 175	6 106	7 101
2030	4 460	669	5 129	5 238	6 181	7 180
2035	4 509	676	5 185	5 302	6 256	7 259
2040	4 558	684	5 242	5 367	6 331	7 338
2044	4 597	690	5 287	5 413	6 391	7 402

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001266	Edenderry (Blundelwood) WTP	2 300	1 917	2 108	No Licence	1 532	Yield	1 517	-	1 517	
WTP0001254	Toberdaly WTP	3 700	3 083	3 392	No Licence	230	Yield	228	-	228	Significant Reduction
TOTAL		6 000	5 000	5 500	-	1 762		1 745	-	1 745	

WAFU

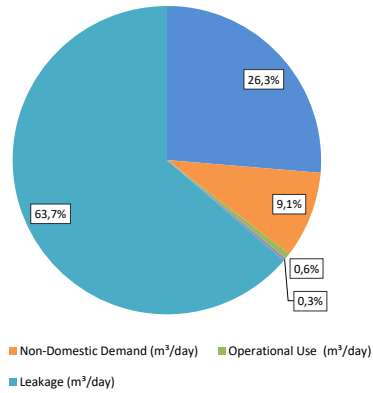
Supply Demand Balance

Year	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 802	1 805	1 805	6 000	3 197	3 288	4 204	1 000
2025	1 774	1 781	1 781	6 000	3 299	3 394	4 325	1 101
2030	1 750	1 761	1 761	6 000	3 379	3 477	4 420	1 180
2035	1 742	1 755	1 755	6 000	3 443	3 547	4 502	1 259
2040	1 736	1 749	1 749	6 000	3 506	3 617	4 582	1 338
2044	1 730	1 745	1 745	6 000	3 556	3 668	4 646	1 402

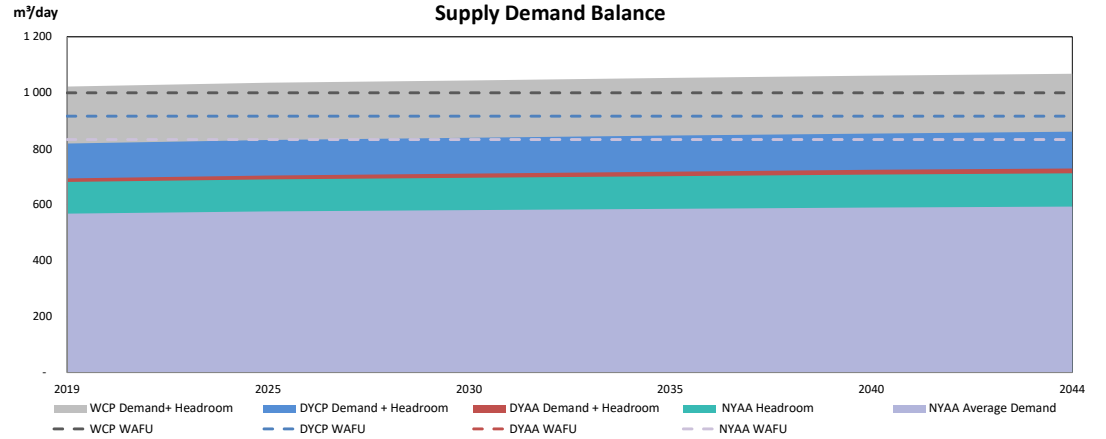
WRZ CODE	2500SC0006	WRZ Name	Walsh Island PWS	Study Area	4	Study Group		Local Authority	Offaly
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Base Demand in 2019	
Domestic Demand (m ³ /day)	149
Non-Domestic Demand (m ³ /day)	52
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	362
Demand (m³/day)	568

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	568	114	681	694	819	1 022
2025	576	115	691	705	831	1 036
2030	580	116	696	711	839	1 045
2035	585	117	702	718	847	1 053
2040	590	118	707	724	854	1 061
2044	593	119	712	729	861	1 068

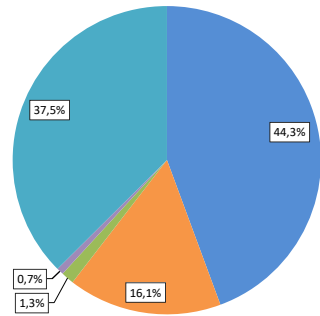
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001273	Walsh Island WTP	1 000	833	917	No Licence	958	22Hr	917	-	917	
TOTAL		1 000	833	917	-	958		917	-	917	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	833	833	917	1 000	152	139	98	22
2025	833	833	917	1 000	143	129	85	36
2030	833	833	917	1 000	137	122	77	45
2035	833	833	917	1 000	131	116	70	53
2040	833	833	917	1 000	126	109	62	61
2044	833	833	917	1 000	121	104	56	68

WRZ CODE	2500SC0007	WRZ Name	Clonbullogue PWS	Study Area	4	Study Group		Local Authority	Offaly
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Base Demand in 2019	
Domestic Demand (m ³ /day)	86
Non-Domestic Demand (m ³ /day)	31
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	73
Demand (m³/day)	194

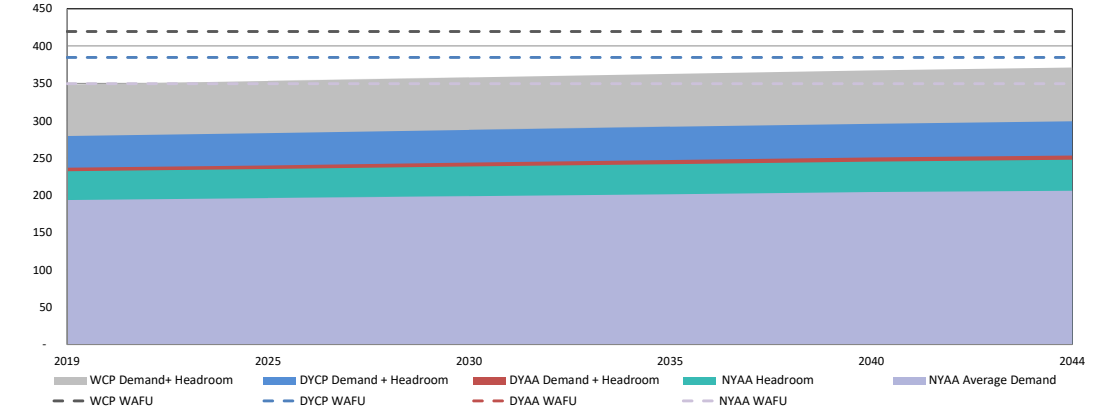
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	194	39	232	237	279	349
2025	196	39	235	240	283	353
2030	199	40	239	244	288	358
2035	202	40	242	247	292	363
2040	204	41	245	251	296	368
2044	206	41	248	254	299	371

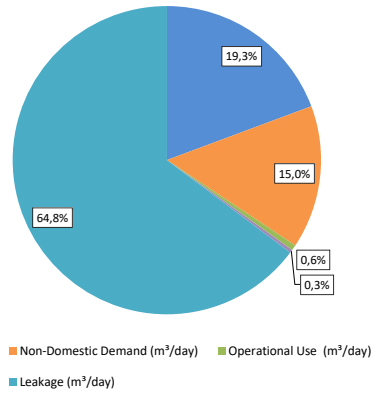
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001263	Clonbullogue WTP	420	350	385	No Licence	402	22Hr	385	-	385	
TOTAL		420	350	385	-	402		385	-	385	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	350	350	385	420	118	113	106	71
2025	350	350	385	420	115	110	102	67
2030	350	350	385	420	111	106	97	62
2035	350	350	385	420	108	103	93	57
2040	350	350	385	420	105	99	89	52
2044	350	350	385	420	102	96	86	49

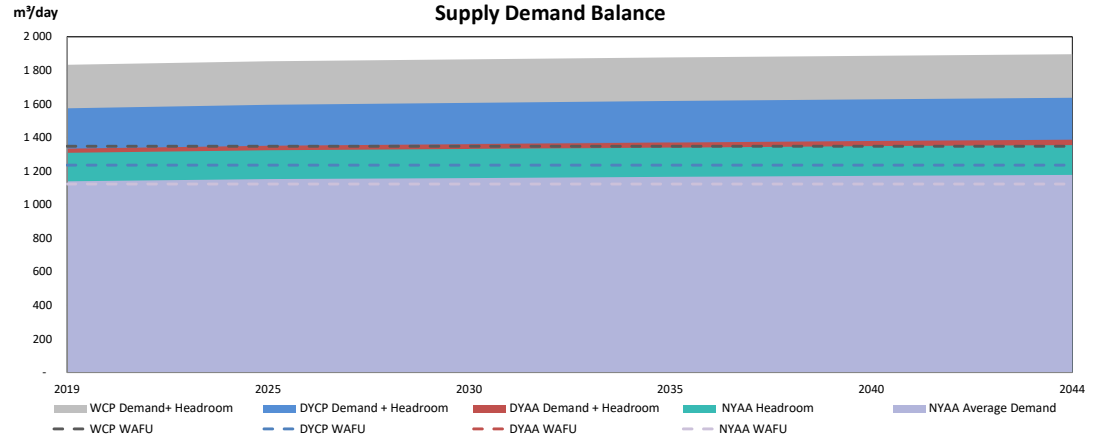
WRZ CODE	2500SC0010	WRZ Name	Dunkerrin / Moneygall	Study Area	7	Study Group		Local Authority	Offaly
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Base Demand in 2019	
Domestic Demand (m ³ /day)	220
Non-Domestic Demand (m ³ /day)	171
Operational Use (m ³ /day)	7
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	738
Demand (m³/day)	1 139

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 139	171	1 310	1 335	1 575	1 834
2025	1 152	173	1 325	1 351	1 595	1 855
2030	1 159	174	1 333	1 361	1 606	1 866
2035	1 166	175	1 340	1 371	1 617	1 877
2040	1 172	176	1 348	1 380	1 628	1 888
2044	1 178	177	1 355	1 387	1 637	1 896

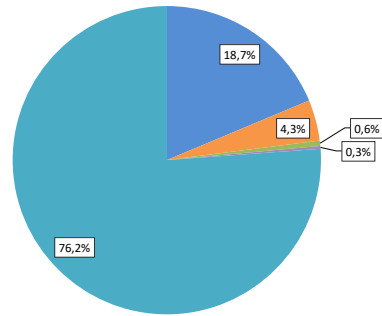
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000330	Busherstown WTP	150	125	138	No Licence	144	22Hr	138	-	138	Significant Reduction
WTP0001271	Dunkerrin WTP	350	292	321	No Licence	335	22Hr	321	-	321	Significant Reduction
WTP0001249	Jones Well WTP	400	333	367	No Licence	383	22Hr	367	-	367	Significant Reduction
WTP0001264	Lisduff Spring WTP	450	375	413	No Licence	431	22Hr	413	-	413	Significant Reduction
TOTAL		1 350	1 125	1 238	-	1 293		1 238	-	1 238	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 125	1 125	1 238	1 350	185	210	337	484	
2025	1 125	1 125	1 238	1 350	200	226	357	505	
2030	1 125	1 125	1 238	1 350	208	236	368	516	
2035	1 125	1 125	1 238	1 350	215	246	380	527	
2040	1 125	1 125	1 238	1 350	223	255	391	538	
2044	1 125	1 125	1 238	1 350	230	262	400	546	

WRZ CODE	2500SC0012	WRZ Name	Coolderry PWS	Study Area	7	Study Group		Local Authority	Offaly
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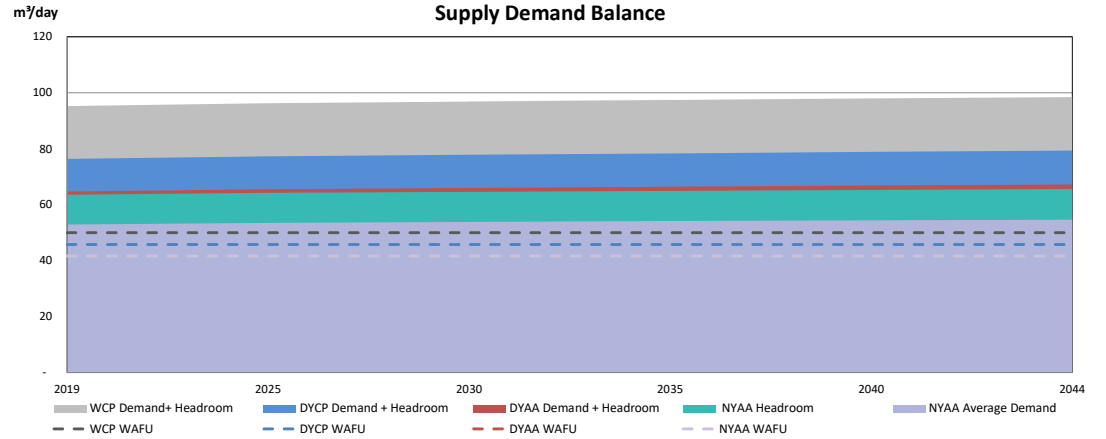
Base Demand in 2019	
Domestic Demand (m ³ /day)	10
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	40
Demand (m³/day)	53

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	53	11	64	65	76	95
2025	54	11	64	66	77	96
2030	54	11	65	66	78	97
2035	54	11	65	66	78	97
2040	54	11	65	67	79	98
2044	55	11	66	67	79	98

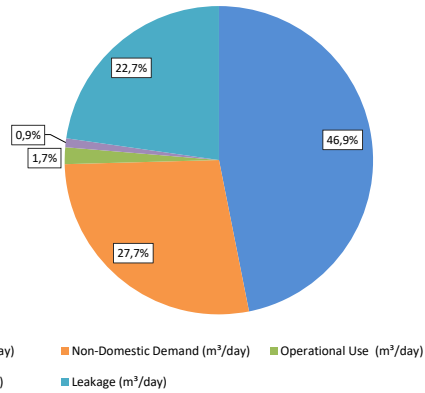
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000153	Coolderry WTP	50	42	46	No Licence	48	22Hr	46	-	46	
TOTAL		50	42	46	-	48		46	-	46	

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)			
2019	42	42	46	50	22	23	31	45	-	-	-
2025	42	42	46	50	23	24	31	46	-	-	-
2030	42	42	46	50	23	24	32	47	-	-	-
2035	42	42	46	50	23	25	33	47	-	-	-
2040	42	42	46	50	24	25	33	48	-	-	-
2044	42	42	46	50	24	26	33	48	-	-	-

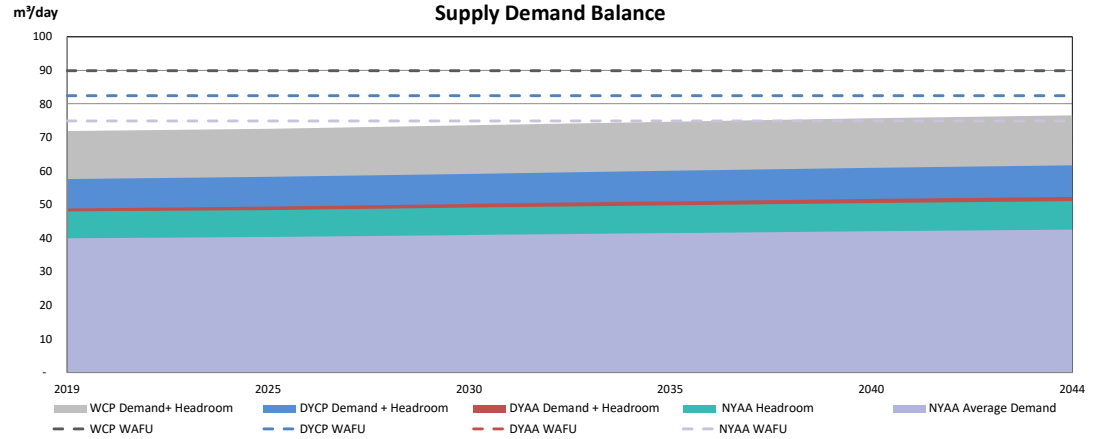
WRZ CODE	2500SC0013	WRZ Name	Mountbolus PWS	Study Area	6	Study Group	Local Authority	Offaly
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Base Demand in 2019	
Domestic Demand (m ³ /day)	19
Non-Domestic Demand (m ³ /day)	11
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	9
Demand (m³/day)	40

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	40	8	48	49	58	72
2025	40	8	48	49	58	73
2030	41	8	49	50	59	74
2035	42	8	50	51	60	75
2040	42	8	51	52	61	76
2044	43	9	51	52	62	77

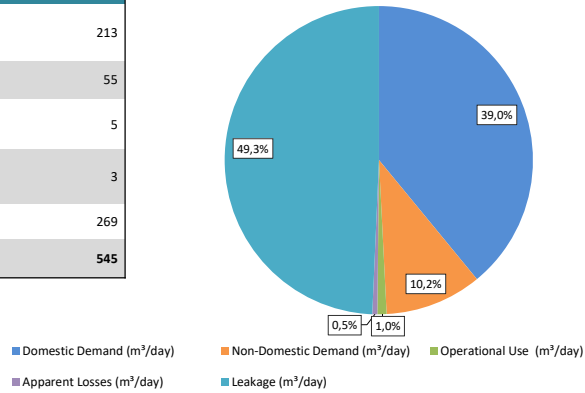
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001250	Reservoir WTP	30	25	28	No Licence	29	22Hr	28	-	28	
WTP0001265	Newgate Well WTP	60	50	55	No Licence	57	22Hr	55	-	55	Significant Reduction
TOTAL		90	75	83	-	86		83	-	83	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	75	75	83	90	27	26	25	18
2025	75	75	83	90	27	26	24	17
2030	75	75	83	90	26	25	23	16
2035	75	75	83	90	25	24	22	15
2040	75	75	83	90	24	23	21	14
2044	75	75	83	90	24	23	21	13

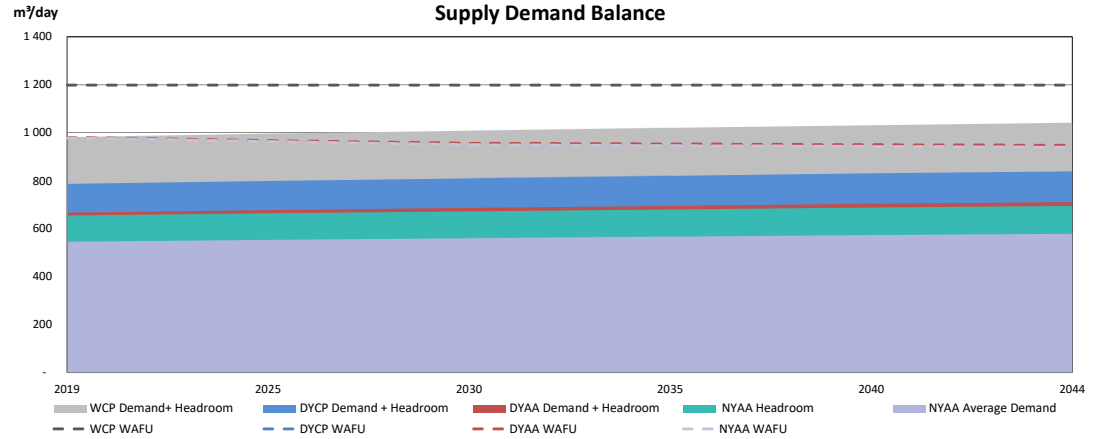
WRZ CODE	2500SC0014	WRZ Name	Daingean PWS	Study Area	4	Study Group		Local Authority	Offaly
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Base Demand in 2019	
Domestic Demand (m ³ /day)	213
Non-Domestic Demand (m ³ /day)	55
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	269
Demand (m³/day)	545

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	545	109	654	667	787	982
2025	553	111	664	677	799	996
2030	560	112	672	686	810	1 008
2035	567	113	680	695	820	1 020
2040	573	115	688	704	831	1 032
2044	578	116	694	711	839	1 041

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001262	Daingean WTP	1 200	1 000	1 100	No Licence	958	Yield	948	-	948	
TOTAL		1 200	1 000	1 100	-	958		948	-	948	

WAFU

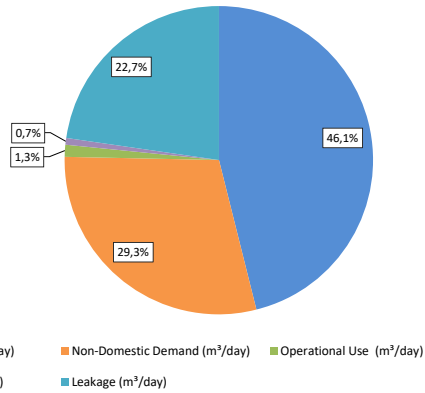
Supply Demand Balance

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	980	981	981	1 200	325	315	195	218	
2025	964	968	968	1 200	300	291	169	204	
2030	951	957	957	1 200	279	271	147	192	
2035	947	954	954	1 200	267	258	133	180	
2040	943	951	951	1 200	255	246	120	168	
2044	940	948	948	1 200	246	238	109	159	

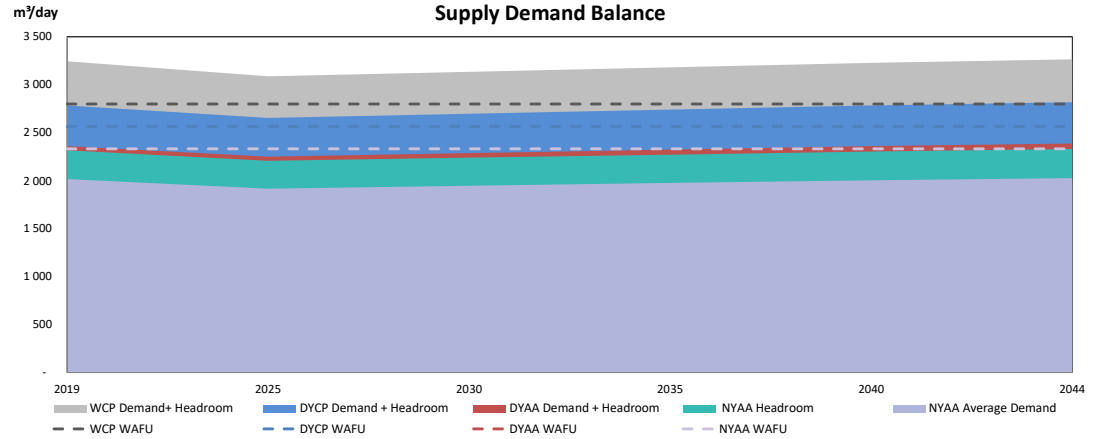
WRZ CODE	2500SC0015	WRZ Name	Birr / Kinnitty	Study Area	5	Study Group		Local Authority	Offaly
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Base Demand in 2019	
Domestic Demand (m ³ /day)	929
Non-Domestic Demand (m ³ /day)	590
Operational Use (m ³ /day)	25
Apparent Losses (m ³ /day)	14
Leakage (m ³ /day)	458
Demand (m³/day)	2 016

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 016	302	2 318	2 361	2 786	3 245
2025	1 918	288	2 206	2 251	2 655	3 089
2030	1 947	292	2 239	2 287	2 698	3 135
2035	1 976	296	2 272	2 324	2 742	3 181
2040	2 005	301	2 305	2 360	2 784	3 228
2044	2 028	304	2 332	2 387	2 819	3 265

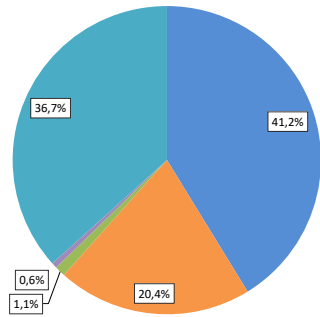
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001141	Kinnitty WTP	300	250	275	No Licence	287	22Hr	275	-	275	
WTP0001257	Birr WTP	2 500	2 083	2 292	No Licence	22 910	22Hr	2 292	-	2 292	
TOTAL		2 800	2 333	2 567	-	23 198		2 567	-	2 567	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 333	2 333	2 567	2 800	15	28	220	445	-	-	-	-
2025	2 333	2 333	2 567	2 800	127	83	89	289	-	-	-	-
2030	2 333	2 333	2 567	2 800	94	46	132	335	-	-	-	-
2035	2 333	2 333	2 567	2 800	61	10	175	381	-	-	-	-
2040	2 333	2 333	2 567	2 800	28	27	218	428	-	-	-	-
2044	2 333	2 333	2 567	2 800	1	54	252	465	-	-	-	-

WRZ CODE	2500SC0016	WRZ Name	Clara/Ferbane / Moyclare	Study Area	5	Study Group		Local Authority	Offaly
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 209
Non-Domestic Demand (m ³ /day)	598
Operational Use (m ³ /day)	33
Apparent Losses (m ³ /day)	18
Leakage (m ³ /day)	1 076
Demand (m³/day)	2 934

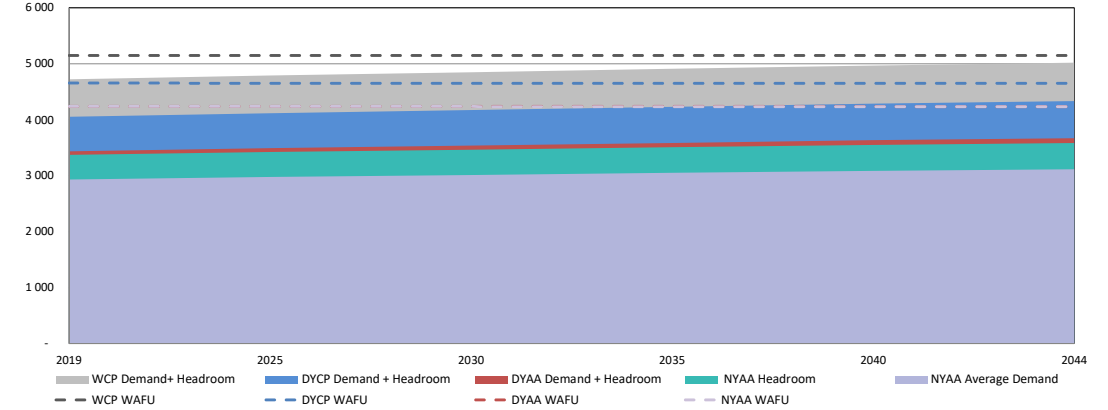
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 934	440	3 374	3 437	4 055	4 723
2025	2 975	446	3 421	3 490	4 118	4 790
2030	3 012	452	3 464	3 538	4 175	4 850
2035	3 050	457	3 507	3 586	4 232	4 910
2040	3 087	463	3 550	3 635	4 288	4 971
2044	3 117	468	3 585	3 670	4 333	5 019

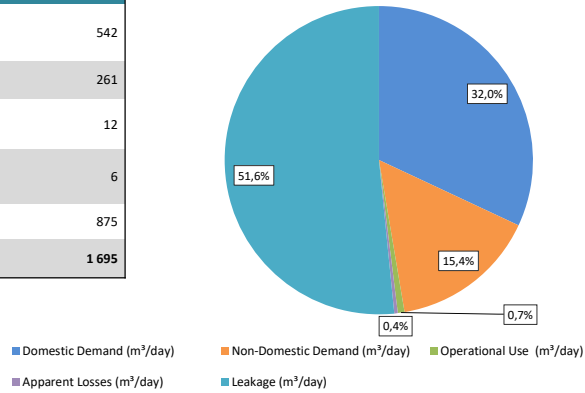
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000004	Moyclare WTP	150	125	138	No Licence	72	Yield	71	-	71	
WTP0001253	Clara WTP	5 000	4 167	4 583	No Licence	12 008	22Hr	4 583	-	4 583	
TOTAL		5 150	4 292	4 721	-	12 080		4 654	-	4 654	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	4 240	4 240	4 657	5 150	866	803	602	427	
2025	4 239	4 239	4 656	5 150	818	749	538	360	
2030	4 238	4 238	4 655	5 150	774	700	480	300	
2035	4 238	4 238	4 655	5 150	730	652	423	240	
2040	4 237	4 238	4 655	5 150	687	603	366	179	
2044	4 237	4 238	4 654	5 150	652	568	321	131	

WRZ CODE	2500SC0017	WRZ Name	Rahan	Study Area	5	Study Group		Local Authority	Offaly
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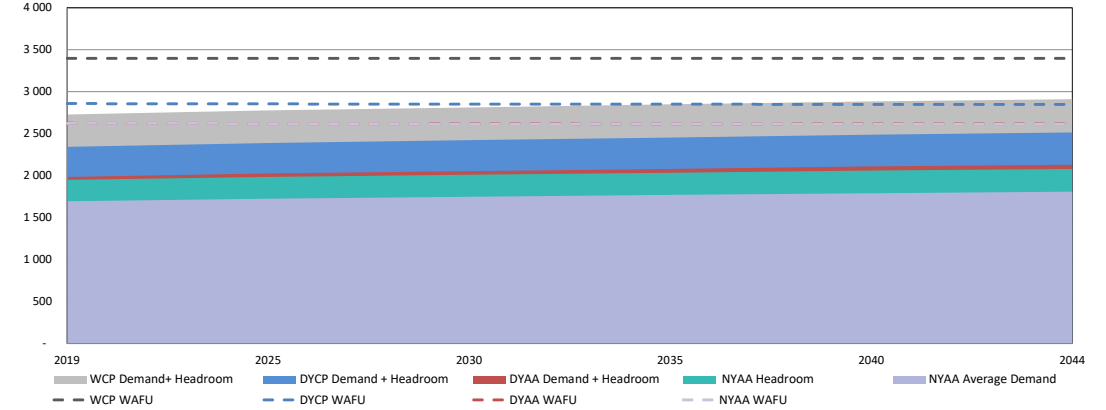
Base Demand in 2019	
Domestic Demand (m ³ /day)	542
Non-Domestic Demand (m ³ /day)	261
Operational Use (m ³ /day)	12
Apparent Losses (m ³ /day)	6
Leakage (m ³ /day)	875
Demand (m³/day)	1 695

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 695	254	1 949	1 986	2 343	2 729
2025	1 726	259	1 985	2 025	2 390	2 779
2030	1 748	262	2 010	2 053	2 422	2 814
2035	1 770	265	2 035	2 081	2 455	2 849
2040	1 791	269	2 060	2 109	2 488	2 884
2044	1 809	271	2 080	2 130	2 514	2 912

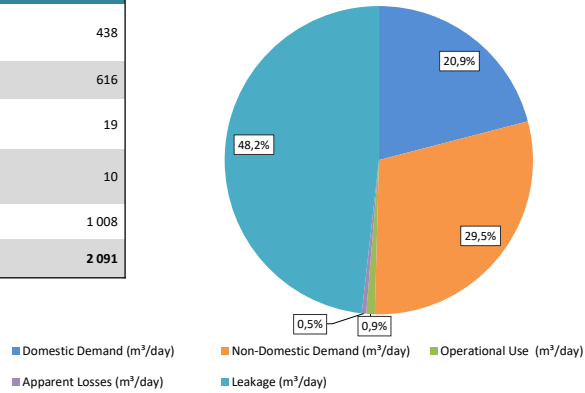
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000013	Rahan - Tully WTP	600	500	550	No Licence	287	Yield	284	-	284	Significant Reduction
WTP0001270	Rahan - Holmshill WTP	600	500	550	No Licence	575	22Hr	550	-	550	
WTP1000023	Agall WTP	2 200	1 833	2 017	No Licence	2 107	22Hr	2 017	-	2 017	
TOTAL		3 400	2 833	3 117	-	2 969		2 851	-	2 851	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	2 627	2 628	2 861	3 400	678	642	518	671	
2025	2 622	2 624	2 857	3 400	637	599	468	621	
2030	2 619	2 620	2 854	3 400	608	567	431	586	
2035	2 617	2 619	2 853	3 400	582	538	397	551	
2040	2 616	2 619	2 852	3 400	556	509	364	516	
2044	2 615	2 618	2 851	3 400	535	488	337	488	

WRZ CODE	2600SC0001	WRZ Name	Mount Talbot/Four Roads	Study Area	5	Study Group		Local Authority	Roscommon
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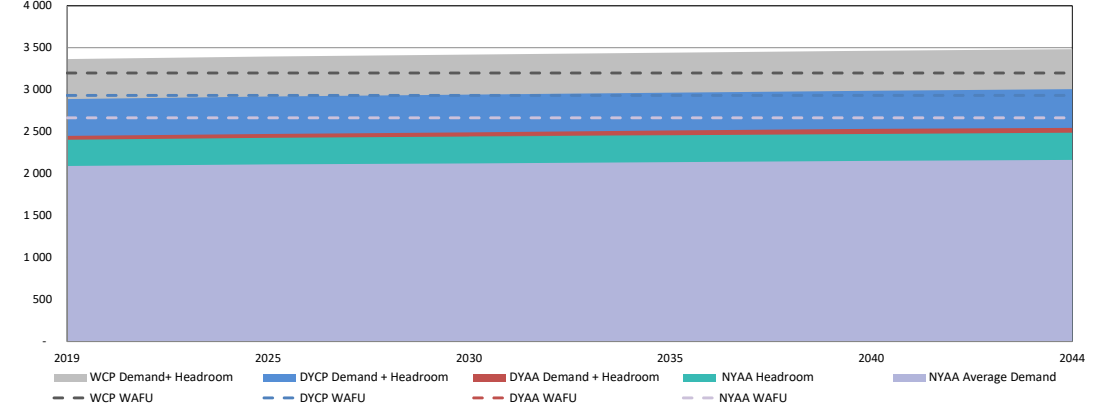
Base Demand in 2019	
Domestic Demand (m ³ /day)	438
Non-Domestic Demand (m ³ /day)	616
Operational Use (m ³ /day)	19
Apparent Losses (m ³ /day)	10
Leakage (m ³ /day)	1 008
Demand (m³/day)	2 091

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 091	314	2 404	2 449	2 890	3 366
2025	2 109	316	2 426	2 475	2 920	3 396
2030	2 123	319	2 442	2 494	2 943	3 419
2035	2 138	321	2 458	2 514	2 966	3 441
2040	2 152	323	2 474	2 533	2 989	3 464
2044	2 163	324	2 487	2 547	3 007	3 482

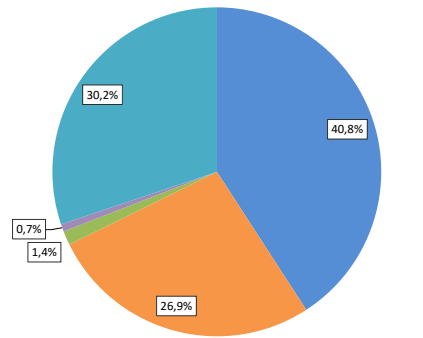
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000539	Cloonlaughnan WTP	3 200	2 667	2 933	No Licence	5 747	22Hr	2 933	-	2 933	
TOTAL		3 200	2 667	2 933	-	5 747		2 933	-	2 933	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 667	2 667	2 933	3 200	263	218	44	166
2025	2 667	2 667	2 933	3 200	241	192	14	196
2030	2 667	2 667	2 933	3 200	225	173	9	219
2035	2 667	2 667	2 933	3 200	208	153	33	241
2040	2 667	2 667	2 933	3 200	192	133	55	264
2044	2 667	2 667	2 933	3 200	179	120	73	282

WRZ CODE	2600SC0002	WRZ Name	North East Regional PWS	Study Area	F	Study Group		Local Authority	Roscommon
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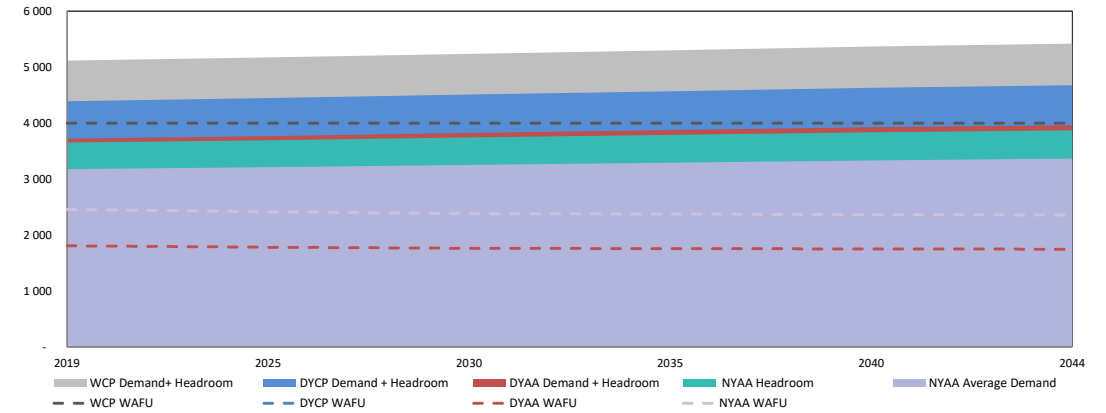
Base Demand in	2019
Domestic Demand (m ³ /day)	1 297
Non-Domestic Demand (m ³ /day)	855
Operational Use (m ³ /day)	44
Apparent Losses (m ³ /day)	23
Leakage (m ³ /day)	959
Demand (m³/day)	3 178

Components of Base Demand 2019



- Domestic Demand (m³/day)
- Non-Domestic Demand (m³/day)
- Operational Use (m³/day)
- Apparent Losses (m³/day)
- Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 178	477	3 654	3 723	4 393	5 116
2025	3 213	482	3 695	3 770	4 448	5 174
2030	3 254	488	3 742	3 822	4 509	5 238
2035	3 294	494	3 788	3 873	4 570	5 303
2040	3 334	500	3 834	3 925	4 631	5 368
2044	3 366	505	3 871	3 963	4 679	5 420

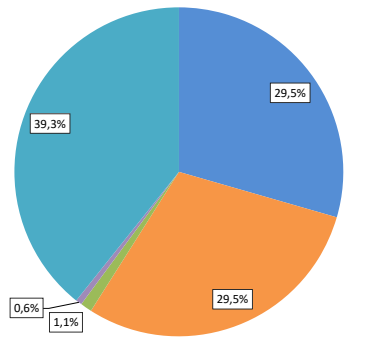
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000215	Grange WTP	4 000	3 333	3 667	No Licence	1 891	Yield	1 749	-	1 749	
TOTAL		4 000	3 333	3 667	-	1 891		1 749	-	1 749	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	2 459	1 810	1 810	4 000	1 196	1 913	2 583	1 116	1 196	1 913	2 583
2025	2 419	1 785	1 785	4 000	1 276	1 985	2 663	1 174	1 276	1 985	2 663
2030	2 387	1 765	1 765	4 000	1 355	2 057	2 744	1 238	1 355	2 057	2 744
2035	2 377	1 759	1 759	4 000	1 411	2 114	2 811	1 303	1 411	2 114	2 811
2040	2 368	1 753	1 753	4 000	1 466	2 172	2 878	1 368	1 466	2 172	2 878
2044	2 360	1 749	1 749	4 000	1 511	2 214	2 930	1 420	1 511	2 214	2 930

WRZ CODE	2600SC0003	WRZ Name	Castlerea PWS	Study Area	F	Study Group		Local Authority	Roscommon
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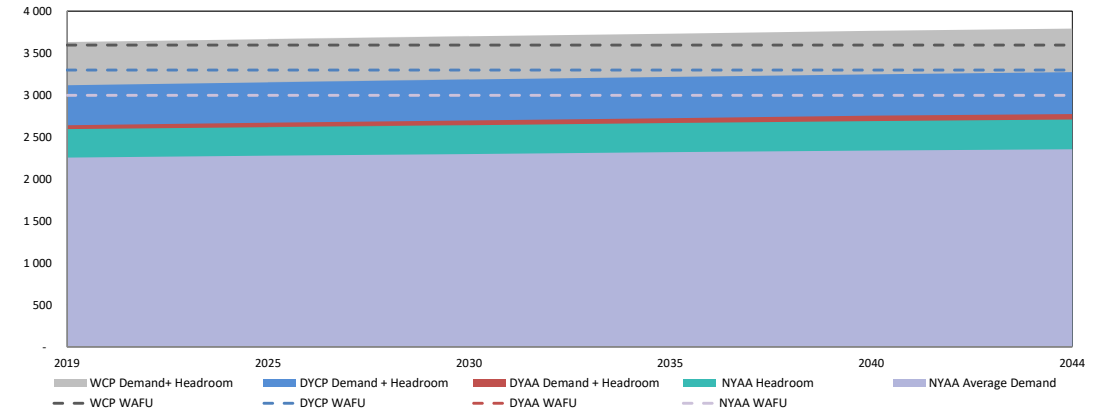
Base Demand in	2019
Domestic Demand (m ³ /day)	665
Non-Domestic Demand (m ³ /day)	666
Operational Use (m ³ /day)	25
Apparent Losses (m ³ /day)	13
Leakage (m ³ /day)	886
Demand (m³/day)	2 256

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 256	338	2 594	2 643	3 118	3 632
2025	2 278	342	2 619	2 672	3 153	3 667
2030	2 298	345	2 643	2 699	3 185	3 700
2035	2 319	348	2 667	2 727	3 217	3 733
2040	2 339	351	2 690	2 754	3 249	3 766
2044	2 356	353	2 709	2 774	3 275	3 793

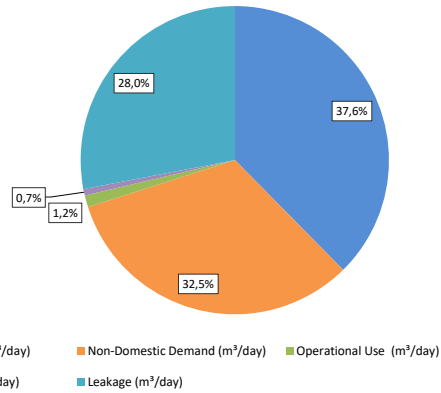
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000129	Longford Springs	3 600	3 000	3 300	No Licence	4 981	22Hr	3 300	-	3 300	
TOTAL		3 600	3 000	3 300	-	4 981		3 300	-	3 300	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	3 000	3 000	3 300	3 600	406	357	182	32	3 000	3 000	3 300
2025	3 000	3 000	3 300	3 600	381	328	147	67	3 000	3 000	3 300
2030	3 000	3 000	3 300	3 600	357	301	115	100	3 000	3 000	3 300
2035	3 000	3 000	3 300	3 600	333	273	83	133	3 000	3 000	3 300
2040	3 000	3 000	3 300	3 600	310	246	51	166	3 000	3 000	3 300
2044	3 000	3 000	3 300	3 600	291	226	25	193	3 000	3 000	3 300

WRZ CODE	2600SC0004	WRZ Name	Roscommon Central Water	Study Area	F	Study Group	Local Authority	Roscommon
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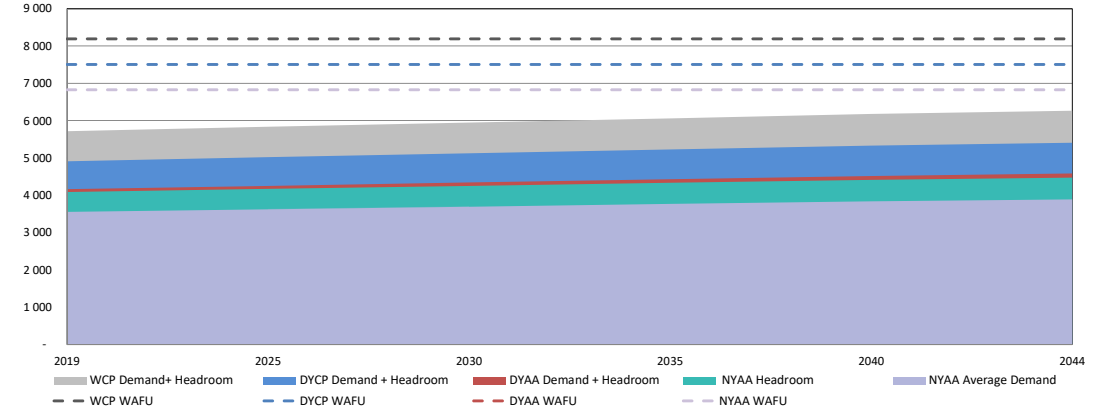
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 336
Non-Domestic Demand (m ³ /day)	1 153
Operational Use (m ³ /day)	44
Apparent Losses (m ³ /day)	24
Leakage (m ³ /day)	995
Demand (m³/day)	3 552

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 552	533	4 085	4 162	4 910	5 719
2025	3 627	544	4 171	4 255	5 021	5 840
2030	3 698	555	4 252	4 343	5 125	5 953
2035	3 768	565	4 333	4 431	5 228	6 066
2040	3 838	576	4 414	4 519	5 331	6 180
2044	3 895	584	4 479	4 585	5 414	6 270

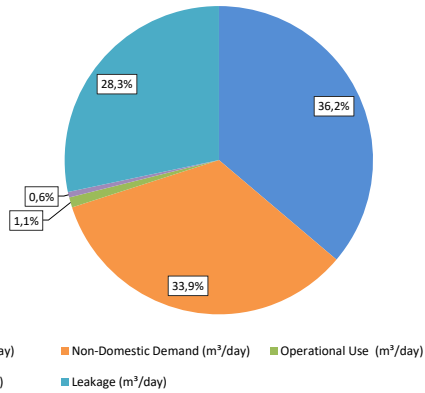
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001188	Toberog WTP	1 000	833	917	No Licence	958	22Hr	917	-	917	Demand > Safe Production Capacity
WTP0000104	Toberreoge WTP	2 200	1 833	2 017	No Licence	2 107	22Hr	2 017	-	2 017	
WTP0000120	Ballinagard Springs WTP	5 000	4 167	4 583	No Licence	28 734	22Hr	4 583	-	4 583	
TOTAL		8 200	6 833	7 517	-	31 799		7 517	-	7 517	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	6 833	6 833	7 517	8 200	2 748	2 672	2 606	2 481	
2025	6 833	6 833	7 517	8 200	2 662	2 578	2 496	2 360	
2030	6 833	6 833	7 517	8 200	2 581	2 490	2 392	2 247	
2035	6 833	6 833	7 517	8 200	2 500	2 402	2 288	2 134	
2040	6 833	6 833	7 517	8 200	2 419	2 314	2 185	2 020	
2044	6 833	6 833	7 517	8 200	2 355	2 248	2 103	1 930	

WRZ CODE	2600SC0006	WRZ Name	South Roscommon (Lisbrock & Study Area	5	Study Group	Local Authority	Roscommon
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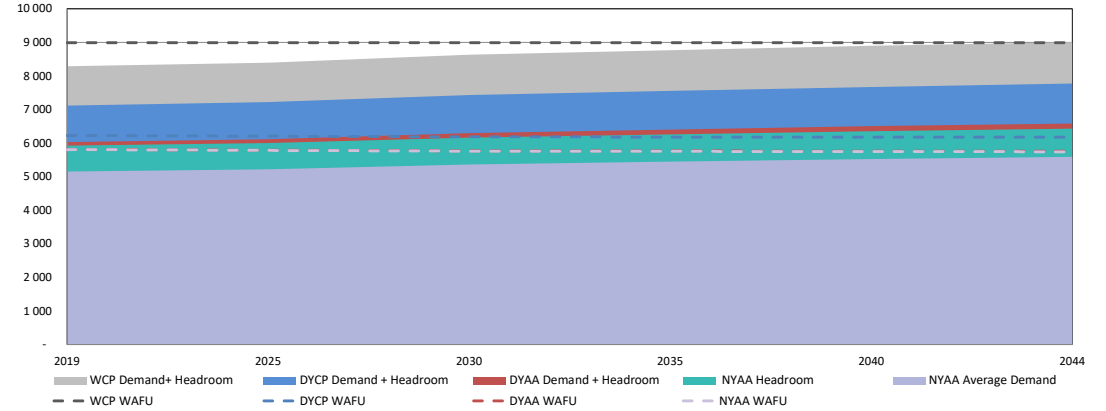
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 862
Non-Domestic Demand (m ³ /day)	1 744
Operational Use (m ³ /day)	55
Apparent Losses (m ³ /day)	29
Leakage (m ³ /day)	1 458
Demand (m³/day)	5 149

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5 149	772	5 921	6 032	7 117	8 289
2025	5 217	783	5 999	6 120	7 221	8 399
2030	5 363	804	6 168	6 299	7 433	8 635
2035	5 445	817	6 261	6 402	7 554	8 766
2040	5 526	829	6 355	6 506	7 675	8 897
2044	5 591	839	6 430	6 583	7 772	9 001

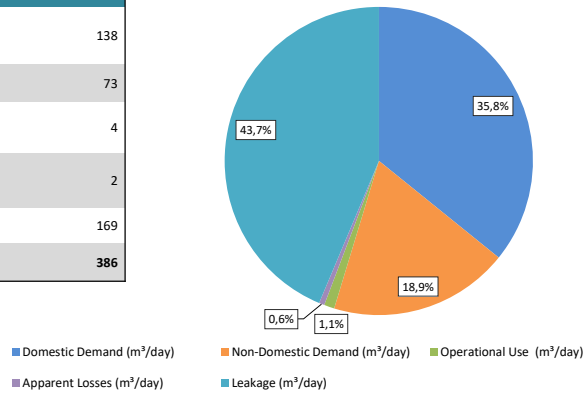
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000116	Lisbrock WTP	4 000	3 333	3 667	No Licence	1 724	Yield	1 595	-	1 595	
WTP0001110	Killeglan Springs WTP	5 000	4 167	4 583	No Licence	8 524	22Hr	4 583	-	4 583	
TOTAL		9 000	7 500	8 250	-	10 249		6 178	-	6 178	

Year	WAFU					Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5 814	5 817	6 234	9 000	107	215	884	711				
2025	5 788	5 795	6 211	9 000	212	326	1 010	601				
2030	5 766	5 776	6 193	9 000	402	523	1 240	365				
2035	5 759	5 771	6 187	9 000	502	632	1 367	234				
2040	5 753	5 765	6 182	9 000	602	741	1 493	103				
2044	5 748	5 761	6 178	9 000	681	821	1 594	1				

WRZ CODE	2600SC0007	WRZ Name	Arigna Regional PWS	Study Area	F	Study Group		Local Authority	Roscommon
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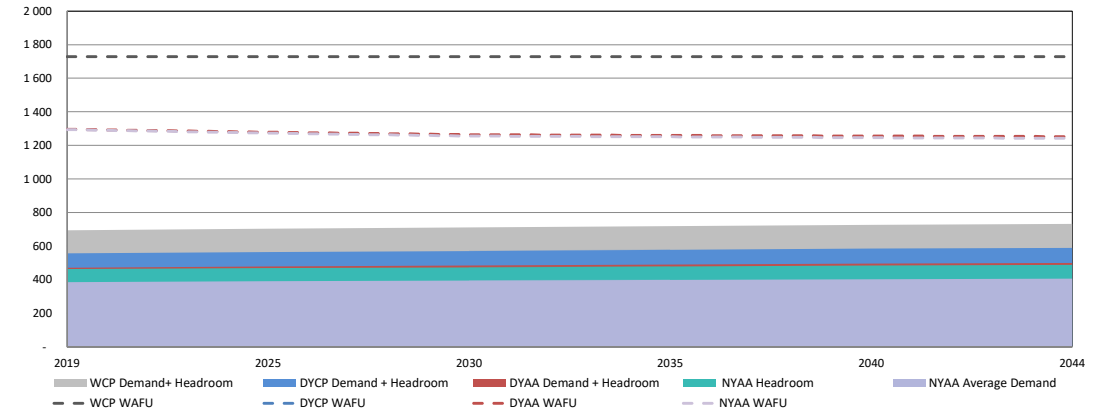
Base Demand in	2019
Domestic Demand (m ³ /day)	138
Non-Domestic Demand (m ³ /day)	73
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	169
Demand (m³/day)	386

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	386	77	464	472	557	695
2025	391	78	469	479	565	704
2030	395	79	474	485	572	712
2035	400	80	480	490	579	719
2040	404	81	485	496	586	727
2044	407	81	489	501	591	733

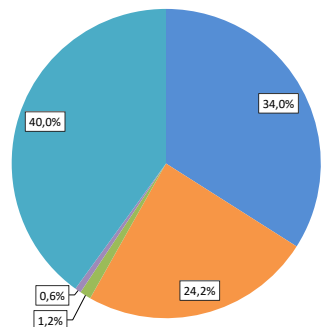
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000289	Castletenison	1 730	1 442	1 586	No Licence	1 293	Yield	1 254	-	1 254	
TOTAL		1 730	1 442	1 586	-	1 293		1 254	-	1 254	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 296	1 298	1 298	1 730	832	826	741	1 035
2025	1 275	1 280	1 280	1 730	806	802	715	1 026
2030	1 258	1 266	1 266	1 730	783	781	694	1 018
2035	1 252	1 261	1 261	1 730	773	771	683	1 011
2040	1 248	1 257	1 257	1 730	763	761	672	1 003
2044	1 244	1 254	1 254	1 730	755	754	663	997

WRZ CODE	2600SC0008	WRZ Name	Boyle Regional	Study Area	F	Study Group		Local Authority	Roscommon
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Base Demand in	2019
Domestic Demand (m ³ /day)	1 155
Non-Domestic Demand (m ³ /day)	821
Operational Use (m ³ /day)	40
Apparent Losses (m ³ /day)	21
Leakage (m ³ /day)	1 360
Demand (m³/day)	3 397

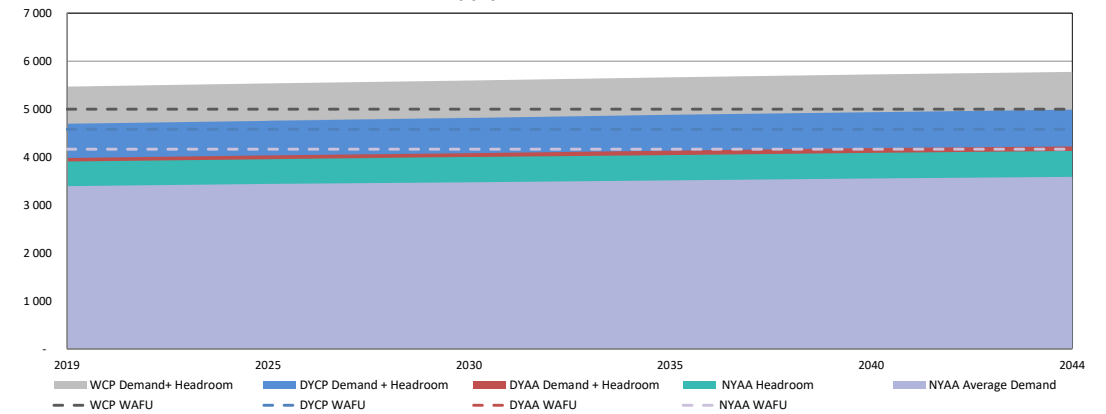
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 397	509	3 906	3 979	4 695	5 469
2025	3 437	516	3 953	4 033	4 758	5 534
2030	3 477	522	3 998	4 084	4 818	5 598
2035	3 516	527	4 044	4 135	4 879	5 661
2040	3 556	533	4 089	4 186	4 939	5 724
2044	3 587	538	4 125	4 223	4 986	5 775

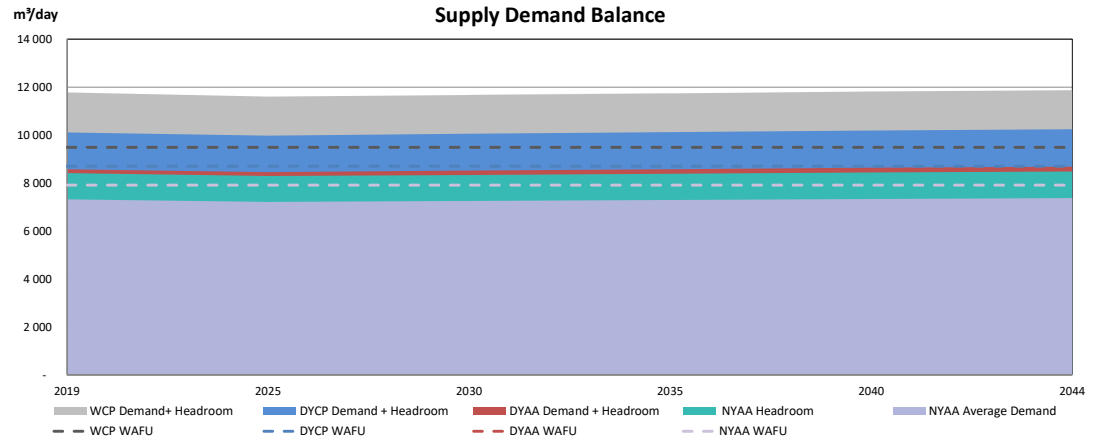
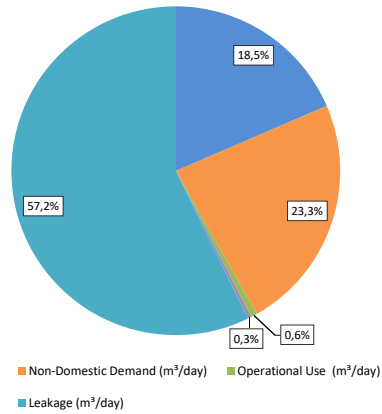
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000674	Rockingham WTP	5 000	4 167	4 583	No Licence	6 705	22Hr	4 583	-	4 583	
TOTAL		5 000	4 167	4 583	-	6 705		4 583	-	4 583	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4 167	4 167	4 583	5 000	261	187	-	112	-	469		
2025	4 167	4 167	4 583	5 000	214	134	-	175	-	534		
2030	4 167	4 167	4 583	5 000	168	83	-	235	-	598		
2035	4 167	4 167	4 583	5 000	123	32	-	295	-	661		
2040	4 167	4 167	4 583	5 000	78	20	-	355	-	724		
2044	4 167	4 167	4 583	5 000	42	57	-	403	-	775		

WRZ CODE	2600SC0009	WRZ Name	North Roscommon Regional Water Supply Scheme	Study Area	F	Study Group		Local Authority	Roscommon
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 357
Non-Domestic Demand (m ³ /day)	1 702
Operational Use (m ³ /day)	46
Apparent Losses (m ³ /day)	24
Leakage (m ³ /day)	4 188
Demand (m³/day)	7 317

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7 317	1 097	8 414	8 572	10 114	11 780
2025	7 211	1 082	8 293	8 460	9 982	11 610
2030	7 253	1 088	8 342	8 519	10 052	11 678
2035	7 296	1 094	8 390	8 579	10 123	11 746
2040	7 338	1 101	8 438	8 639	10 192	11 813
2044	7 371	1 106	8 477	8 679	10 247	11 868

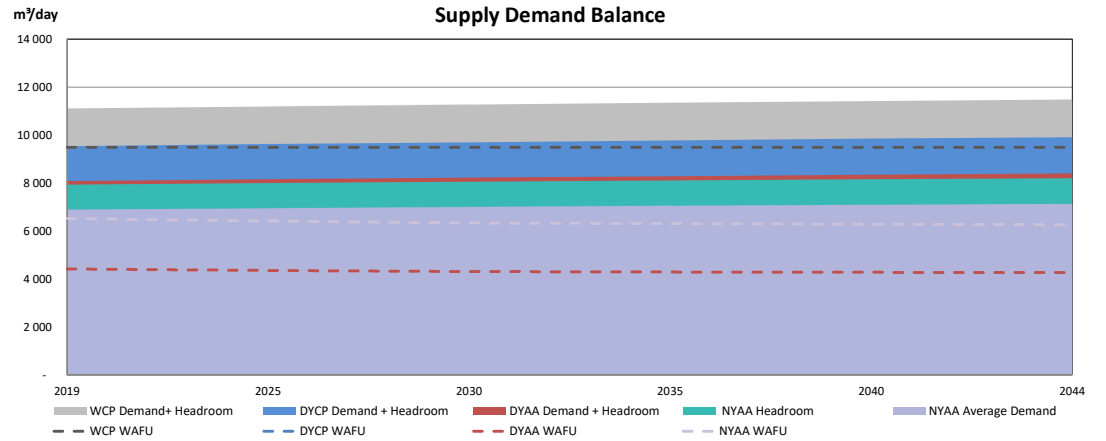
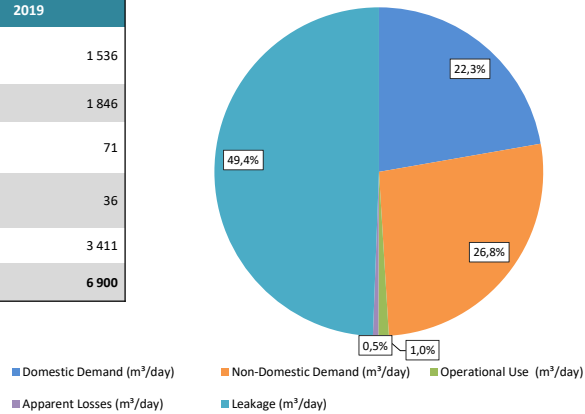
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000140	Lough Gara WTP	10 000	8 333	9 167	No Licence	172 152	22Hr	9 167	-	458	8 708
TOTAL		10 000	8 333	9 167	-	172 152		9 167	-	458	8 708

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	7 917	7 917	8 708	9 500	497	655	1 406	2 280	1 406	2 280
2025	7 917	7 917	8 708	9 500	377	543	1 274	2 110	1 274	2 110
2030	7 917	7 917	8 708	9 500	425	603	1 344	2 178	1 344	2 178
2035	7 917	7 917	8 708	9 500	473	662	1 414	2 246	1 414	2 246
2040	7 917	7 917	8 708	9 500	522	722	1 483	2 313	1 483	2 313
2044	7 917	7 917	8 708	9 500	560	762	1 538	2 368	1 538	2 368

WRZ CODE	2700SC0001	WRZ Name	Lough Talt Regional Water Supply	Study Area	C	Study Group		Local Authority	Sligo
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Base Demand in	2019
Domestic Demand (m ³ /day)	1 536
Non-Domestic Demand (m ³ /day)	1 846
Operational Use (m ³ /day)	71
Apparent Losses (m ³ /day)	36
Leakage (m ³ /day)	3 411
Demand (m³/day)	6 900

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	6 900	1 035	7 935	8 084	9 539	11 109
2025	6 954	1 043	7 997	8 158	9 626	11 195
2030	7 001	1 050	8 051	8 223	9 703	11 272
2035	7 049	1 057	8 106	8 289	9 780	11 349
2040	7 096	1 064	8 161	8 355	9 857	11 425
2044	7 134	1 070	8 205	8 400	9 917	11 486

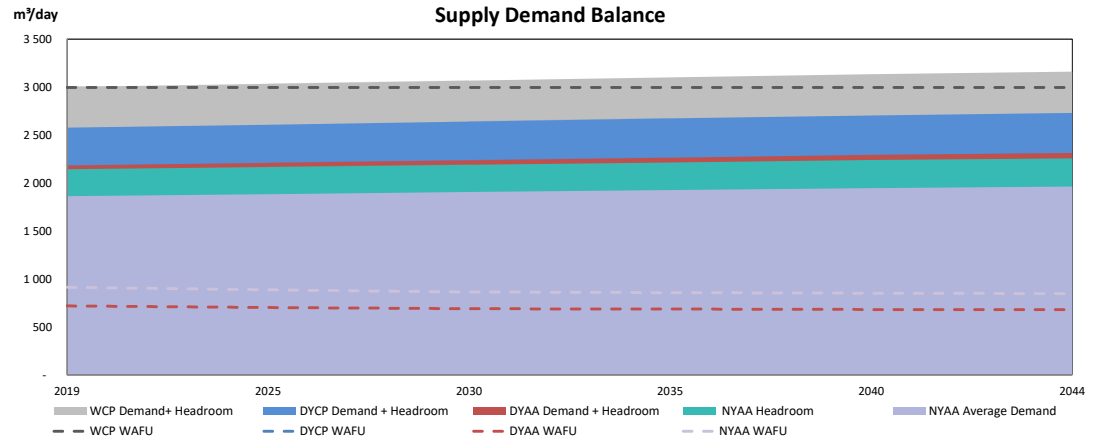
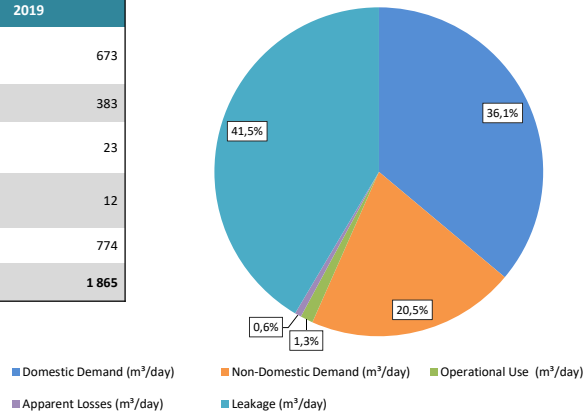
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000146	Lough Talt WTP	10 000	8 333	9 167	No Licence	4 546	Yield	4 501	- 225	4 276	
TOTAL		10 000	8 333	9 167	-	4 546		4 501	- 225	4 276	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	6 531	4 424	4 424	9 500	1 405	3 660	5 114	1 609		
2025	6 426	4 365	4 365	9 500	1 570	3 793	5 261	1 695		
2030	6 339	4 315	4 315	9 500	1 712	3 908	5 388	1 772		
2035	6 313	4 300	4 300	9 500	1 793	3 989	5 480	1 849		
2040	6 289	4 286	4 286	9 500	1 872	4 069	5 570	1 925		
2044	6 270	4 276	4 276	9 500	1 935	4 124	5 642	1 986		

WRZ CODE	2700SC0003	WRZ Name	North Sligo Regional Water Supply	Study Area	C	Study Group		Local Authority	Sligo
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Base Demand in	2019
Domestic Demand (m ³ /day)	673
Non-Domestic Demand (m ³ /day)	383
Operational Use (m ³ /day)	23
Apparent Losses (m ³ /day)	12
Leakage (m ³ /day)	774
Demand (m³/day)	1 865

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 865	280	2 145	2 185	2 578	3 003
2025	1 885	283	2 168	2 211	2 609	3 035
2030	1 906	286	2 192	2 238	2 641	3 068
2035	1 927	289	2 216	2 266	2 673	3 102
2040	1 948	292	2 240	2 293	2 705	3 135
2044	1 964	295	2 259	2 313	2 730	3 162

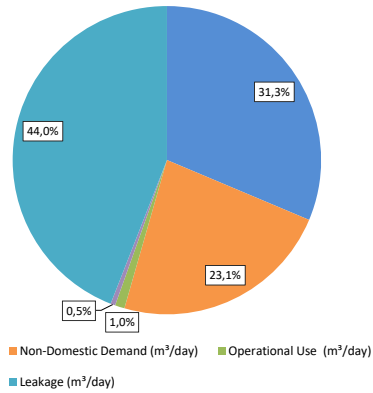
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000219	North Sligo WTP	3 000	2 500	2 750	No Licence	737	Yield	681	-	681	Significant Reduction
TOTAL		3 000	2 500	2 750	-	737		681	-	681	

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	915	721	721	3 000	1 230	1 464	1 858	3
2025	889	705	705	3 000	1 279	1 506	1 904	35
2030	867	692	692	3 000	1 325	1 547	1 949	68
2035	860	688	688	3 000	1 356	1 578	1 986	102
2040	854	684	684	3 000	1 386	1 609	2 021	135
2044	849	681	681	3 000	1 410	1 631	2 049	162

WRZ CODE	2700SC004	WRZ Name	Sligo Town & Environs	Study Area	C	Study Group	Local Authority	Sligo
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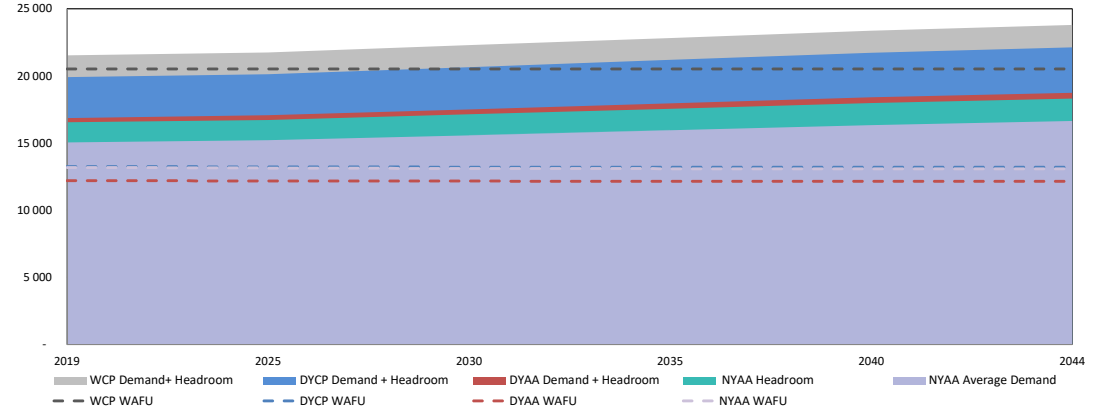
Base Demand in 2019	
Domestic Demand (m ³ /day)	4 715
Non-Domestic Demand (m ³ /day)	3 483
Operational Use (m ³ /day)	151
Apparent Losses (m ³ /day)	76
Leakage (m ³ /day)	6 633
Demand (m³/day)	15 058

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	15 058	1 506	16 564	16 874	19 910	21 533
2025	15 209	1 521	16 730	17 067	20 138	21 749
2030	15 588	1 559	17 147	17 513	20 664	22 291
2035	15 967	1 597	17 564	17 960	21 192	22 833
2040	16 347	1 635	17 981	18 409	21 718	23 376
2044	16 650	1 665	18 315	18 751	22 138	23 809

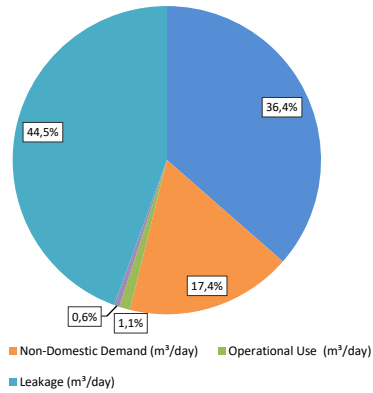
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001133	Kilsellagh WTP	8 000	6 667	7 333	No Licence	1 850	Yield	1 711	-	1 711	
WTP0000402	Foxes Den WTP	13 200	11 000	12 100	No Licence	200 208	22Hr	12 100	605	11 495	
TOTAL		21 200	17 667	19 433	-	202 058		13 811	605	13 206	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	13 203	12 221	13 266	20 540	3 360	4 653	6 644	993	
2025	13 159	12 197	13 242	20 540	3 571	4 870	6 896	1 209	
2030	13 123	12 177	13 222	20 540	4 025	5 336	7 442	1 751	
2035	13 112	12 171	13 216	20 540	4 453	5 789	7 976	2 293	
2040	13 101	12 166	13 211	20 540	4 880	6 244	8 507	2 836	
2044	13 093	12 161	13 206	20 540	5 221	6 590	8 932	3 269	

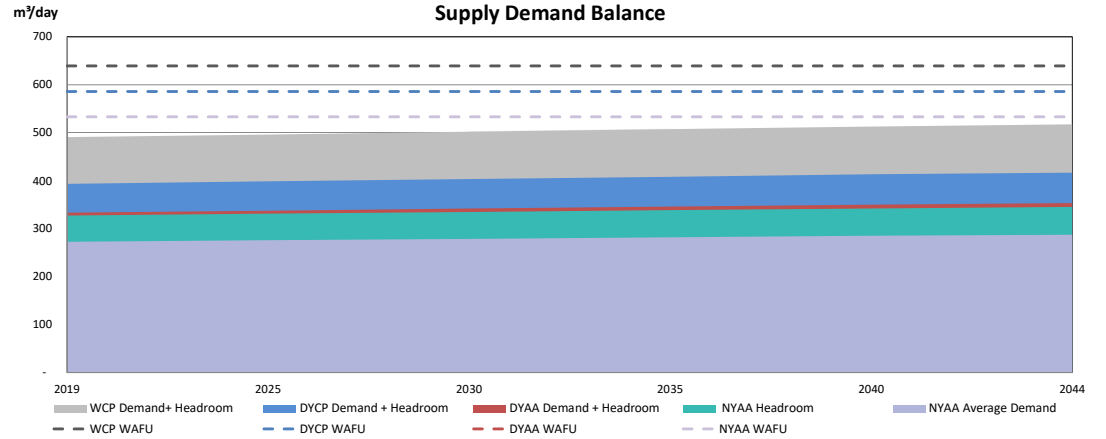
WRZ CODE	2700SC0005	WRZ Name	Riverstown Public Water	Study Area	C	Study Group	Local Authority	Sligo
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Base Demand in 2019	
Domestic Demand (m ³ /day)	99
Non-Domestic Demand (m ³ /day)	47
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	121
Demand (m³/day)	273

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	273	55	327	333	393	491
2025	276	55	331	338	398	497
2030	279	56	335	342	403	502
2035	282	56	338	346	408	508
2040	285	57	342	350	413	513
2044	288	58	345	353	417	518

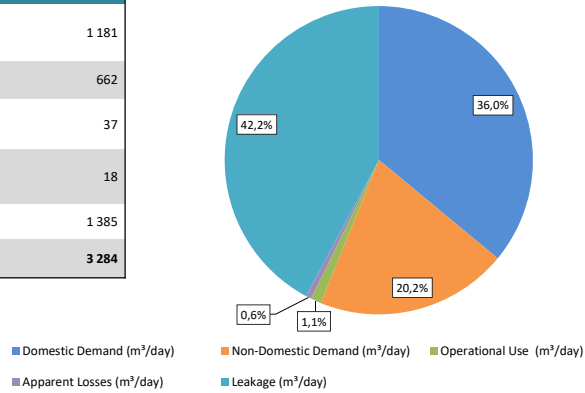
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000721	Riverstown WTP	640	533	587	No Licence	623	22Hr	587	-	587	
TOTAL		640	533	587	-	623		587	-	587	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	533	533	587	640	206	200	194	149
2025	533	533	587	640	202	196	188	143
2030	533	533	587	640	199	191	183	138
2035	533	533	587	640	195	187	178	132
2040	533	533	587	640	191	183	173	127
2044	533	533	587	640	188	180	170	122

WRZ CODE	2900SC0002	WRZ Name	Roscrea	Study Area	7	Study Group		Local Authority	Tipperary
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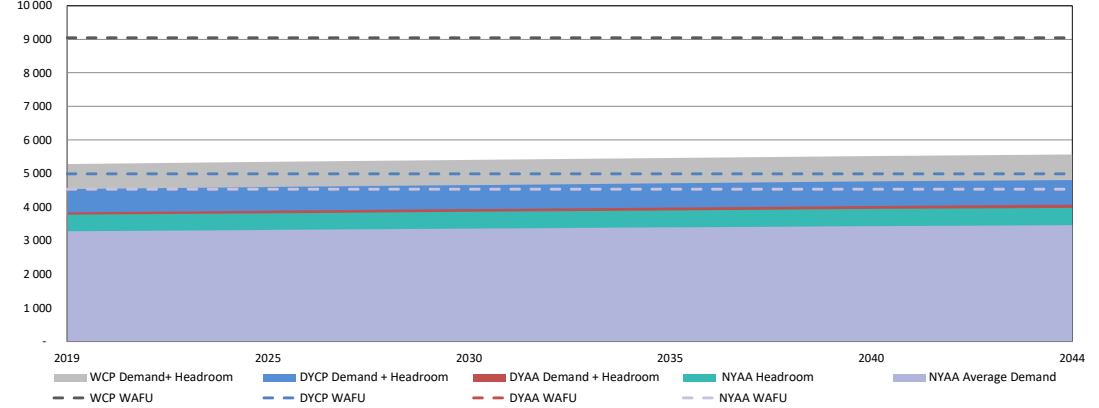
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 181
Non-Domestic Demand (m ³ /day)	662
Operational Use (m ³ /day)	37
Apparent Losses (m ³ /day)	18
Leakage (m ³ /day)	1 385
Demand (m³/day)	3 284

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 284	493	3 776	3 847	4 539	5 286
2025	3 323	498	3 822	3 898	4 600	5 350
2030	3 360	504	3 864	3 946	4 656	5 409
2035	3 396	509	3 906	3 994	4 712	5 468
2040	3 433	515	3 948	4 042	4 768	5 527
2044	3 462	519	3 981	4 076	4 813	5 574

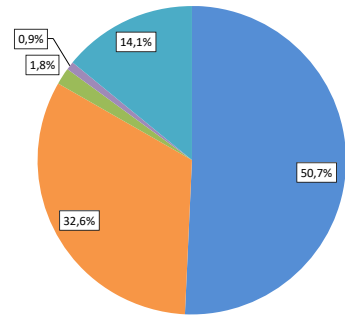
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000475	Glenbeagh WTP	3 600	3 000	3 300	No Licence	0	Yield	0	-	0	
WTP0000678	Roscrea WTP	5 112	4 260	4 686	No Licence	10 481	22Hr	4 686	-	4 686	
WTP1000022	Shinrone WTP	120	100	110	No Licence	115	22Hr	110	-	110	
WTP0001267	Niamhs Well WTP	220	183	202	No Licence	211	22Hr	202	-	202	
TOTAL		9 052	7 543	8 298	-	10 807		4 998	-	4 998	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	4 543	4 543	4 998	9 052	767	697	459	3 766	
2025	4 543	4 543	4 998	9 052	722	645	398	3 702	
2030	4 543	4 543	4 998	9 052	680	597	342	3 643	
2035	4 543	4 543	4 998	9 052	638	550	285	3 584	
2040	4 543	4 543	4 998	9 052	596	502	230	3 525	
2044	4 543	4 543	4 998	9 052	562	467	185	3 478	

WRZ CODE	2900SC003	WRZ Name	Templederry	Study Area	7	Study Group		Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	39
Non-Domestic Demand (m ³ /day)	25
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	11
Demand (m³/day)	77

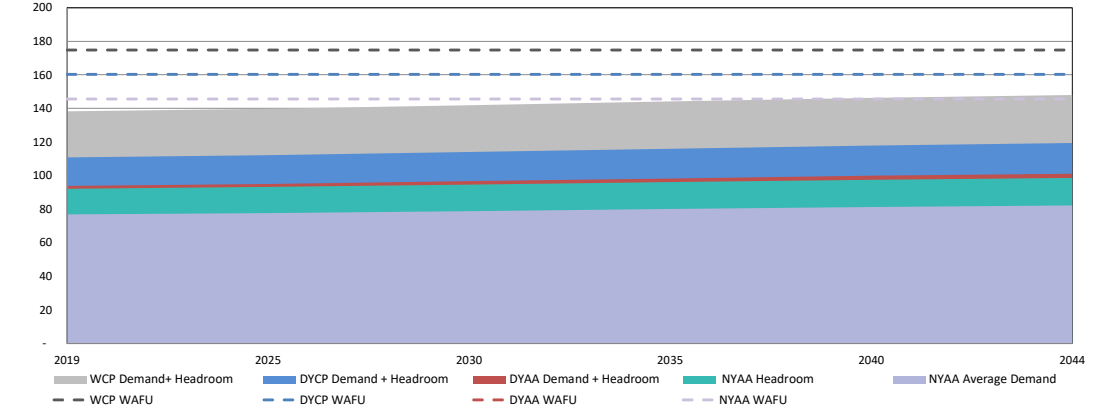
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	77	15	92	94	111	138
2025	78	16	93	95	112	140
2030	79	16	95	97	114	142
2035	80	16	96	98	116	144
2040	81	16	98	100	118	146
2044	82	16	99	101	119	148

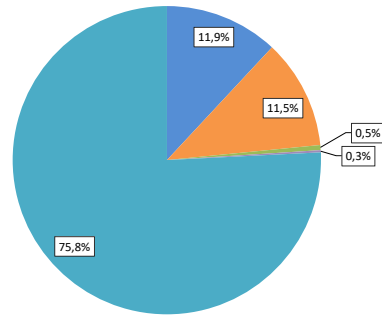
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000698	Quans Cross WTP	175	146	160	No Licence	261	22Hr	160	-	160	
TOTAL		175	146	160	-	261		160	-	160	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	146	146	160	175	54	52	50	37
2025	146	146	160	175	53	51	48	35
2030	146	146	160	175	51	49	46	33
2035	146	146	160	175	50	48	44	31
2040	146	146	160	175	48	46	43	29
2044	146	146	160	175	47	45	41	27

WRZ CODE	2900SC0004	WRZ Name	Hollyford	Study Area	K	Study Group	Local Authority	Tipperary
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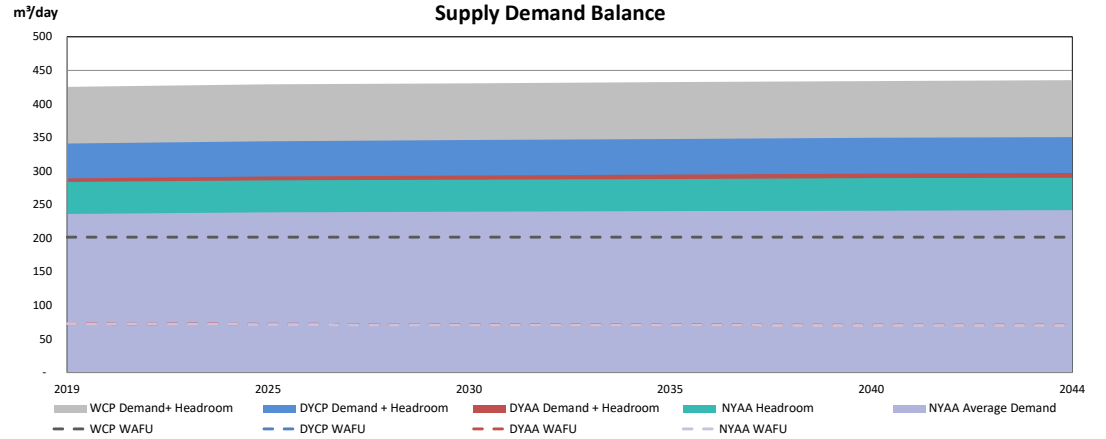
Base Demand in 2019	
Domestic Demand (m ³ /day)	28
Non-Domestic Demand (m ³ /day)	27
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	179
Demand (m³/day)	236

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	236	47	284	289	341	426
2025	239	48	286	292	345	429
2030	239	48	287	293	346	431
2035	240	48	288	295	348	433
2040	241	48	289	296	350	434
2044	242	48	290	297	351	435

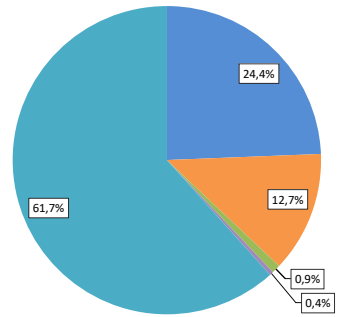
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000465	Hollyford WTP	202	168	185	No Licence	71	Yield	71	-	71	
TOTAL		202	168	185	-	71		71	-	71	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WCP (m ³ /day)
2019	73	73	73	202	211	216	268	224	71	224
2025	72	72	72	202	214	220	272	227	71	227
2030	71	71	71	202	216	222	275	229	71	229
2035	71	71	71	202	218	224	277	231	71	231
2040	70	71	71	202	219	225	279	232	71	232
2044	70	71	71	202	220	226	280	233	71	233

WRZ CODE	2900SC0005	WRZ Name	Kilcommon/Rearcross	Study Area	8	Study Group		Local Authority	Tipperary
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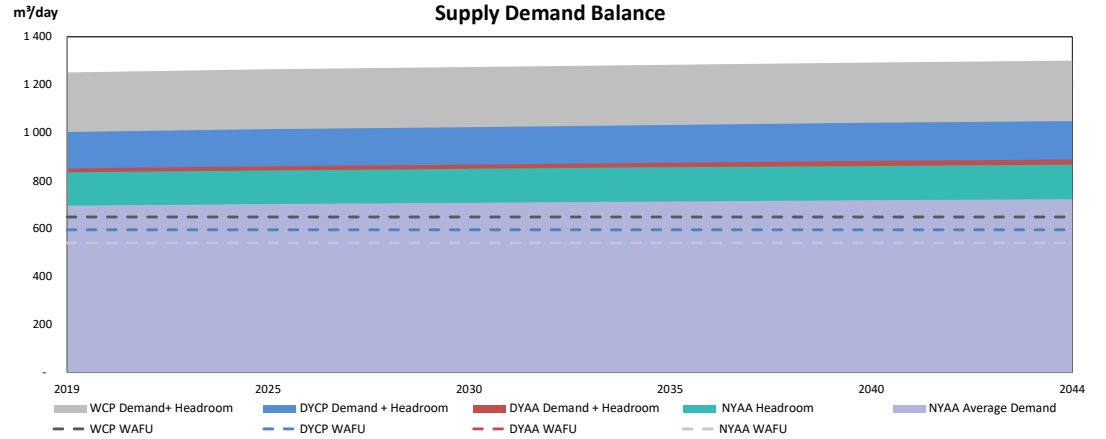
Base Demand in 2019	
Domestic Demand (m ³ /day)	169
Non-Domestic Demand (m ³ /day)	88
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	429
Demand (m³/day)	696

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	696	139	835	850	1 003	1 252
2025	703	141	843	860	1 015	1 265
2030	708	142	849	868	1 024	1 274
2035	713	143	856	875	1 033	1 284
2040	718	144	862	883	1 041	1 293
2044	723	145	867	888	1 048	1 301

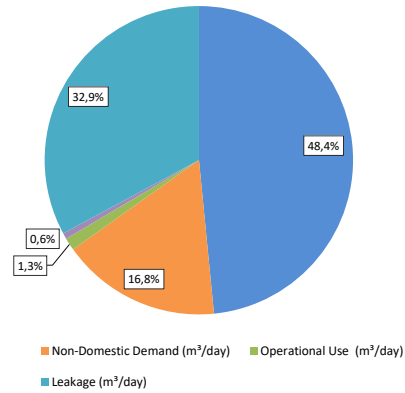
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001091	Kilcommon WTP	650	542	596	No Licence	623	22Hr	596	-	596	
TOTAL		650	542	596	-	623		596	-	596	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	542	542	596	650	293	309	407	602				
2025	542	542	596	650	302	318	419	615				
2030	542	542	596	650	308	326	428	624				
2035	542	542	596	650	314	333	437	634				
2040	542	542	596	650	320	341	445	643				
2044	542	542	596	650	325	346	452	651				

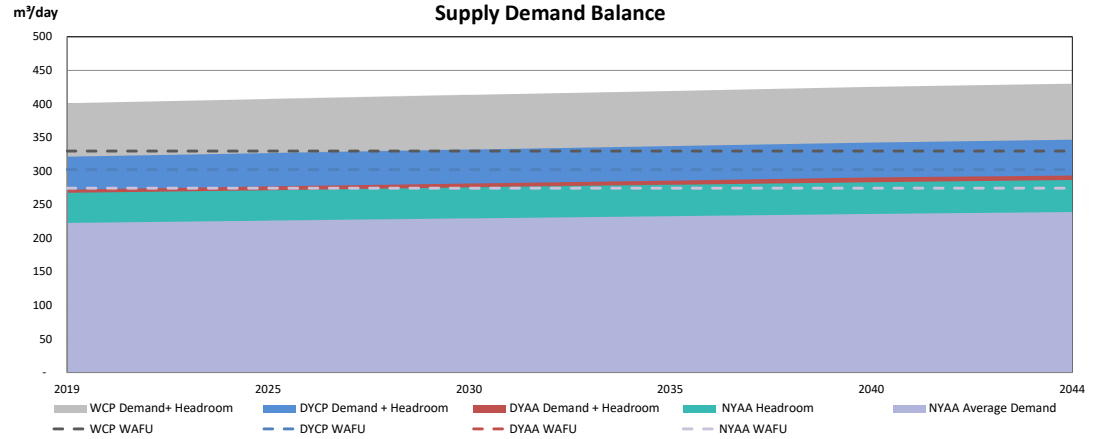
WRZ CODE	2900SC0009	WRZ Name	Two Mile Borris	Study Area	K	Study Group	Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	108
Non-Domestic Demand (m ³ /day)	37
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	73
Demand (m³/day)	223

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	223	45	268	273	322	401
2025	226	45	272	277	327	407
2030	230	46	276	281	332	413
2035	233	47	280	286	337	419
2040	236	47	284	290	343	425
2044	239	48	287	294	347	430

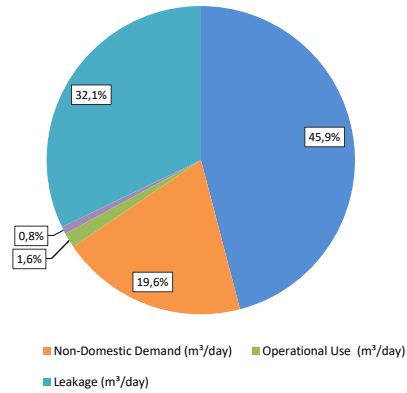
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001197	Two Mile Borris WTP	330	275	303	No Licence	316	22Hr	303	-	303	
TOTAL		330	275	303	-	316		303	-	303	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	275	275	303	330	7	2	19	71				
2025	275	275	303	330	3	2	24	77				
2030	275	275	303	330	1	6	30	83				
2035	275	275	303	330	5	11	35	89				
2040	275	275	303	330	9	15	40	95				
2044	275	275	303	330	12	19	44	100				

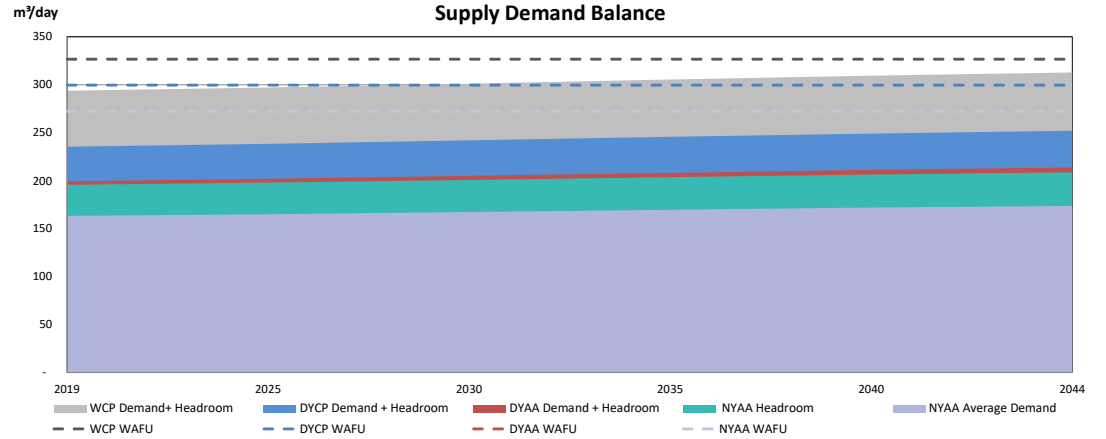
WRZ CODE	2900SC0013	WRZ Name	Horse & Jockey PWS	Study Area	K	Study Group	Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	75
Non-Domestic Demand (m ³ /day)	32
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	52
Demand (m³/day)	163

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	163	33	196	200	235	294
2025	165	33	198	202	238	297
2030	167	33	201	205	242	301
2035	170	34	204	208	246	305
2040	172	34	206	211	249	310
2044	174	35	209	214	252	313

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000467	Curragheen WTP	327	273	300	No Licence	313	22Hr	300	-	300	
TOTAL		327	273	300	-	313		300	-	300	

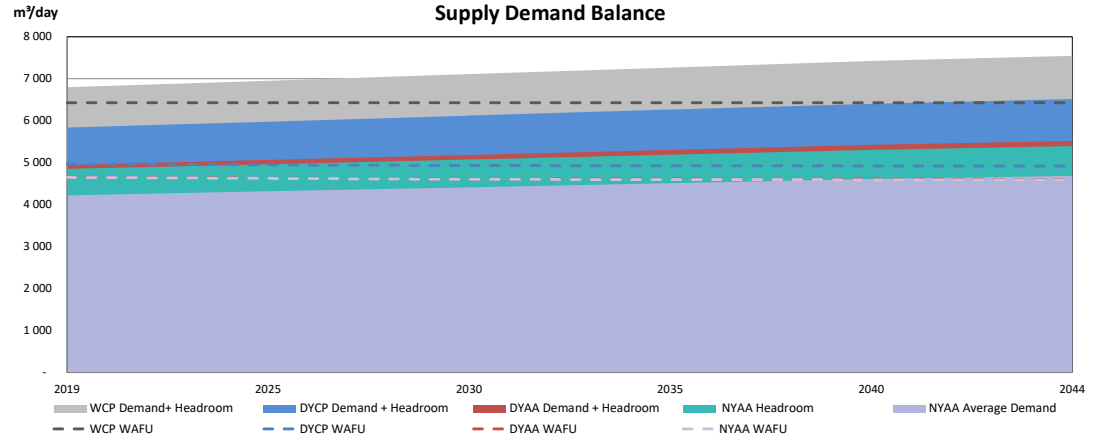
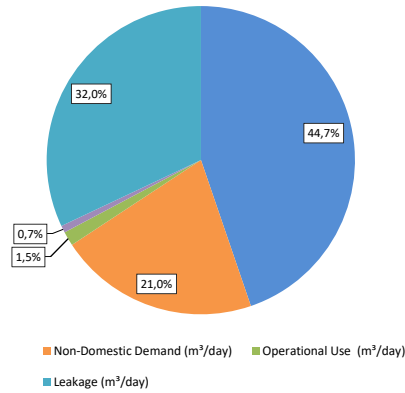
Supply Demand Balance

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU (m ³ /day)
2019	273	273	300	327	77	73	64	33	33	300
2025	273	273	300	327	74	70	61	30	30	300
2030	273	273	300	327	72	67	58	26	26	300
2035	273	273	300	327	69	64	54	22	22	300
2040	273	273	300	327	66	61	50	17	17	300
2044	273	273	300	327	64	59	48	14	14	300

WRZ CODE	2900SC0014	WRZ Name	Thurles / Borrisoleigh	Study Area	K	Study Group	Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 889
Non-Domestic Demand (m ³ /day)	886
Operational Use (m ³ /day)	63
Apparent Losses (m ³ /day)	31
Leakage (m ³ /day)	1 352
Demand (m³/day)	4 222

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4 222	633	4 855	4 946	5 836	6 797
2025	4 318	648	4 965	5 065	5 977	6 952
2030	4 416	662	5 078	5 186	6 120	7 109
2035	4 514	677	5 191	5 308	6 263	7 267
2040	4 611	692	5 303	5 429	6 405	7 424
2044	4 690	703	5 393	5 522	6 519	7 550

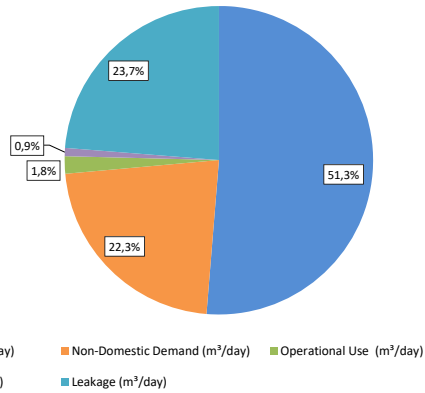
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000092	Archerstown	23	19	21	No Licence	10	Yield	9	-	9	
WTP0001178	Ladys Well WTP	23	19	21	No Licence	22	22Hr	21	-	21	
WTP0000026	Abbey Well WTP	436	363	400	No Licence	418	22Hr	400	-	400	
WTP0001221	Tobernaloo WTP	1 100	917	1 008	No Licence	670	Yield	664	-	664	
WTP0000783	Thurles Z2 (Creamery) WTP	1 500	1 250	1 375	No Licence	766	Yield	759	-	759	
WTP0000752	Thurles Z1 (The Tower) WTP	1 500	1 250	1 375	No Licence	2 873	22Hr	1 375	-	1 375	Issue Capacity / Yield (Unknown)
WTP1000096	Borrisoleigh WTP	1 850	1 542	1 696	No Licence	1 772	22Hr	1 696	-	1 696	
TOTAL		6 432	5 360	5 896	-	6 531		4 923	-	4 923	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	4 653	4 656	4 973	6 432	201	290	862	365	
2025	4 630	4 636	4 953	6 432	336	430	1 024	520	
2030	4 610	4 619	4 937	6 432	468	567	1 183	677	
2035	4 604	4 614	4 932	6 432	587	693	1 331	835	
2040	4 599	4 610	4 927	6 432	705	820	1 478	992	
2044	4 594	4 606	4 923	6 432	799	916	1 596	1 118	

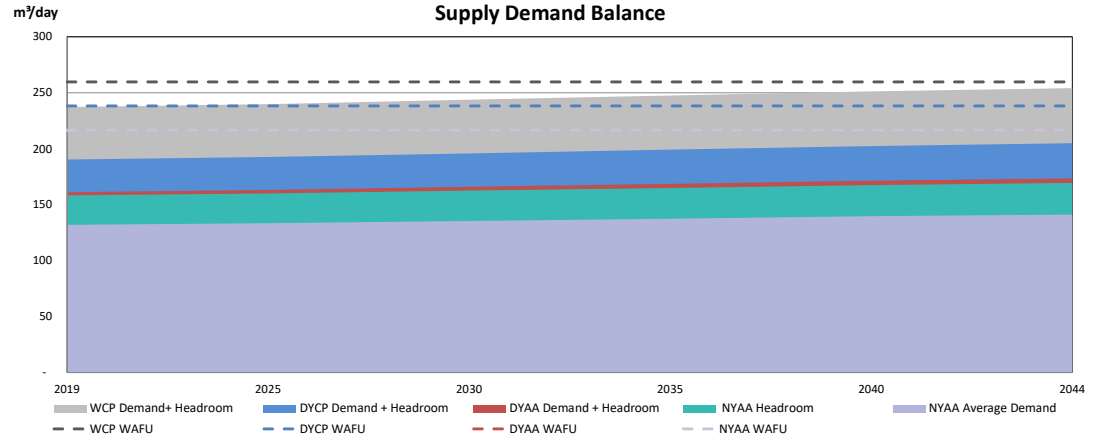
WRZ CODE	2900SC0016	WRZ Name	Littleton PWS	Study Area	K	Study Group	Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	68
Non-Domestic Demand (m ³ /day)	29
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	31
Demand (m³/day)	132

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	132	26	158	161	190	237
2025	133	27	160	163	193	240
2030	135	27	162	166	196	244
2035	137	27	165	169	199	247
2040	140	28	168	172	202	251
2044	141	28	170	174	205	254

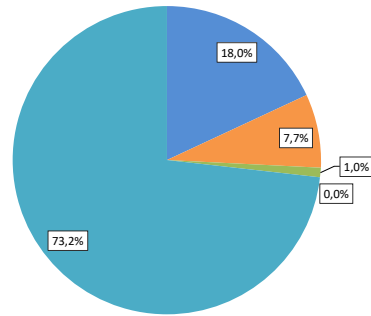
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001222	Littleton WTP	260	217	238	No Licence	249	22Hr	238	-	238	
TOTAL		260	217	238	-	249		238	-	238	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	217	217	238	260	58	55	48	23	
2025	217	217	238	260	57	53	46	20	
2030	217	217	238	260	54	51	43	16	
2035	217	217	238	260	52	48	39	13	
2040	217	217	238	260	49	45	36	9	
2044	217	217	238	260	47	43	33	6	

WRZ CODE	2900SC0020	WRZ Name	Ahenny	Study Area	K	Study Group	Local Authority	Tipperary
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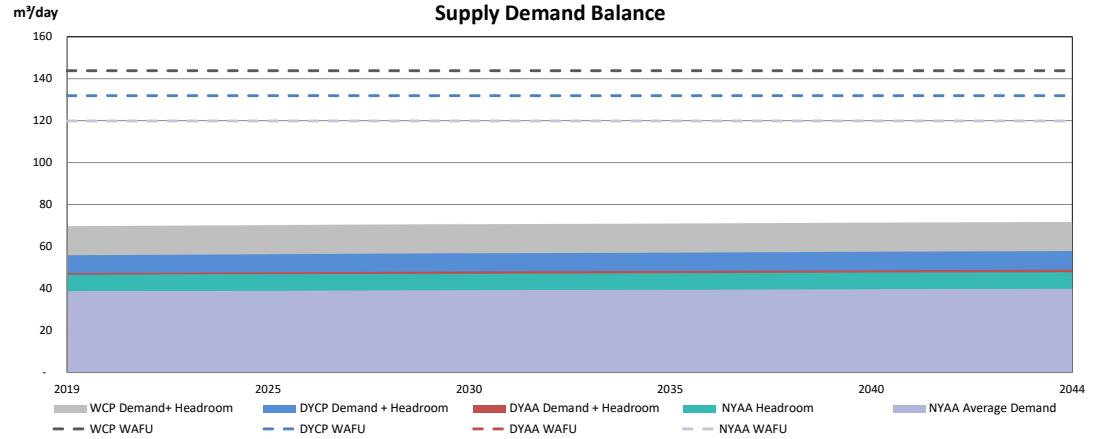
Base Demand in 2019	
Domestic Demand (m ³ /day)	7
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	28
Demand (m³/day)	39

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	39	8	47	47	56	70
2025	39	8	47	48	56	70
2030	39	8	47	48	57	71
2035	39	8	47	48	57	71
2040	40	8	48	49	58	71
2044	40	8	48	49	58	72

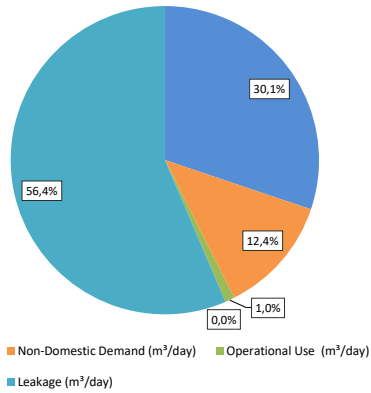
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000031	Ahenny WTP	144	120	132	No Licence	138	22Hr	132	-	132	
TOTAL		144	120	132	-	138		132	-	132	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	120	120	132	144	73	73	76	74
2025	120	120	132	144	73	72	76	74
2030	120	120	132	144	73	72	75	73
2035	120	120	132	144	73	72	75	73
2040	120	120	132	144	72	71	74	73
2044	120	120	132	144	72	71	74	72

WRZ CODE	2900SC0021	WRZ Name	Ardfinnan Regional	Study Area	K	Study Group	Local Authority	Tipperary
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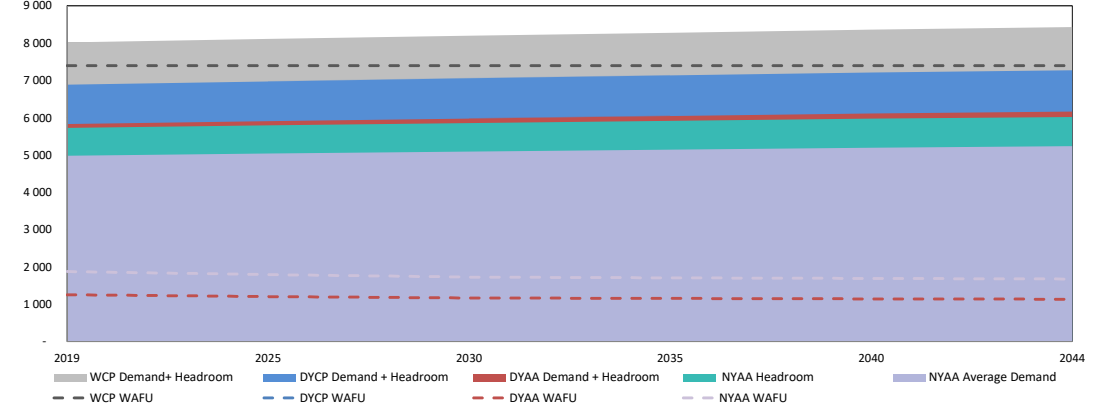
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 501
Non-Domestic Demand (m ³ /day)	618
Operational Use (m ³ /day)	50
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	2 810
Demand (m³/day)	4 979

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4 979	747	5 725	5 833	6 882	8 016
2025	5 039	756	5 795	5 912	6 976	8 113
2030	5 091	764	5 854	5 979	7 055	8 196
2035	5 142	771	5 913	6 047	7 135	8 279
2040	5 193	779	5 972	6 115	7 213	8 361
2044	5 234	785	6 020	6 163	7 276	8 427

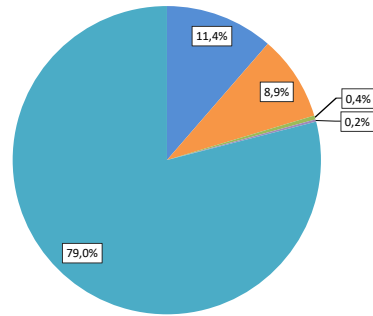
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000434	Goatenbridge WTP	7 400	6 167	6 783	No Licence	1 231	Yield	1 139	-	1 139	
TOTAL		7 400	6 167	6 783	-	1 231		1 139	-	1 139	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)
2019	1 879	1 259	1 259	7 400	3 846	4 574	5 623	616	616
2025	1 800	1 211	1 211	7 400	3 996	4 701	5 765	713	713
2030	1 733	1 171	1 171	7 400	4 121	4 808	5 884	796	796
2035	1 713	1 159	1 159	7 400	4 200	4 888	5 976	879	879
2040	1 695	1 148	1 148	7 400	4 278	4 967	6 066	961	961
2044	1 680	1 139	1 139	7 400	4 339	5 024	6 137	1 027	1 027

WRZ CODE	2900SC0022	WRZ Name	Ballinvir	Study Area	K	Study Group	Local Authority	Tipperary
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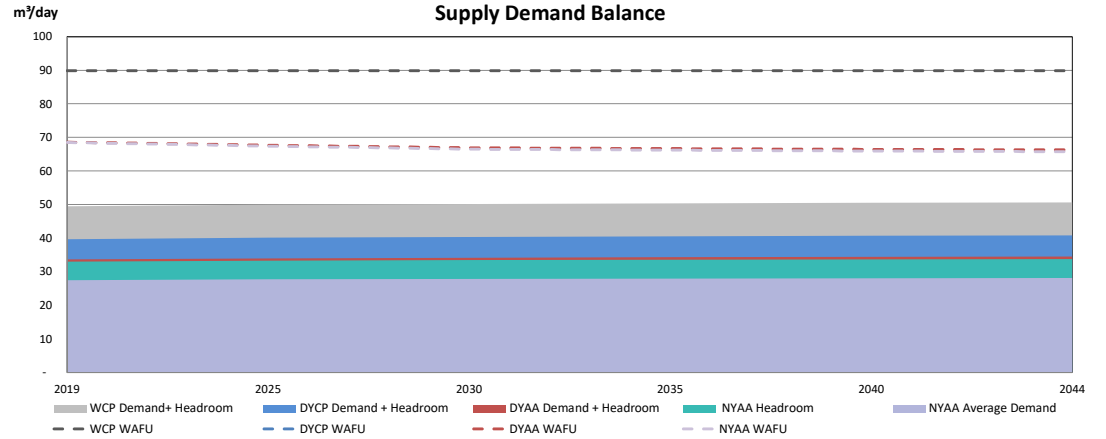
Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	22
Demand (m³/day)	28

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	28	6	33	34	40	50
2025	28	6	33	34	40	50
2030	28	6	33	34	40	50
2035	28	6	34	34	41	50
2040	28	6	34	35	41	51
2044	28	6	34	35	41	51

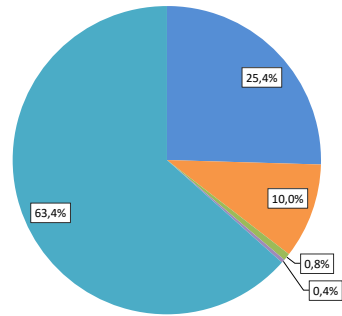
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000089	Ballinvir WTP	90	75	83	No Licence	67	Yield	66	-	66	
TOTAL											
		90	75	83	-	67		66	-	66	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	69	69	69	90	36	35	29	40
2025	67	68	68	90	34	34	28	40
2030	67	67	67	90	33	33	27	40
2035	66	67	67	90	33	32	26	40
2040	66	67	67	90	32	32	26	39
2044	66	66	66	90	32	32	26	39

WRZ CODE	2900SC0023	WRZ Name	Burncourt Ballylooby	Study Area	K	Study Group	Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	677
Non-Domestic Demand (m ³ /day)	266
Operational Use (m ³ /day)	20
Apparent Losses (m ³ /day)	10
Leakage (m ³ /day)	1 688
Demand (m³/day)	2 661

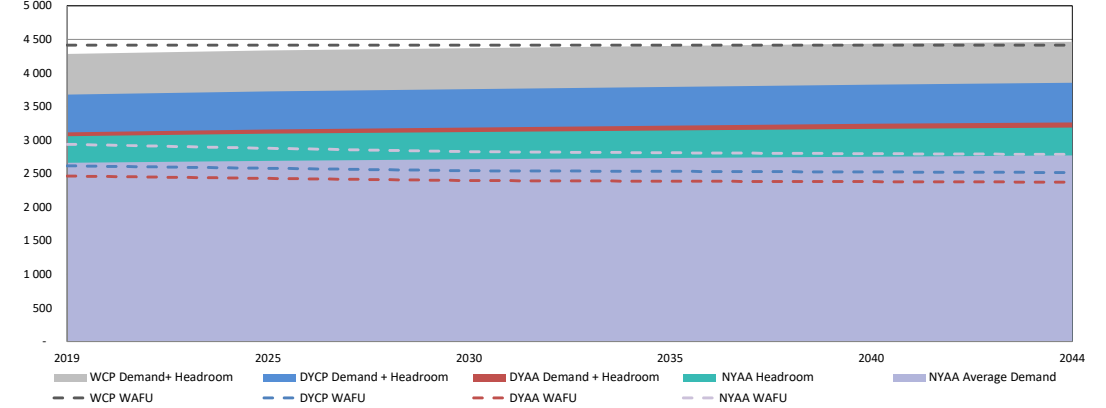
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 661	399	3 060	3 118	3 678	4 284
2025	2 692	404	3 096	3 158	3 727	4 335
2030	2 713	407	3 120	3 187	3 760	4 368
2035	2 734	410	3 144	3 215	3 794	4 402
2040	2 755	413	3 169	3 244	3 827	4 436
2044	2 772	416	3 188	3 264	3 853	4 463

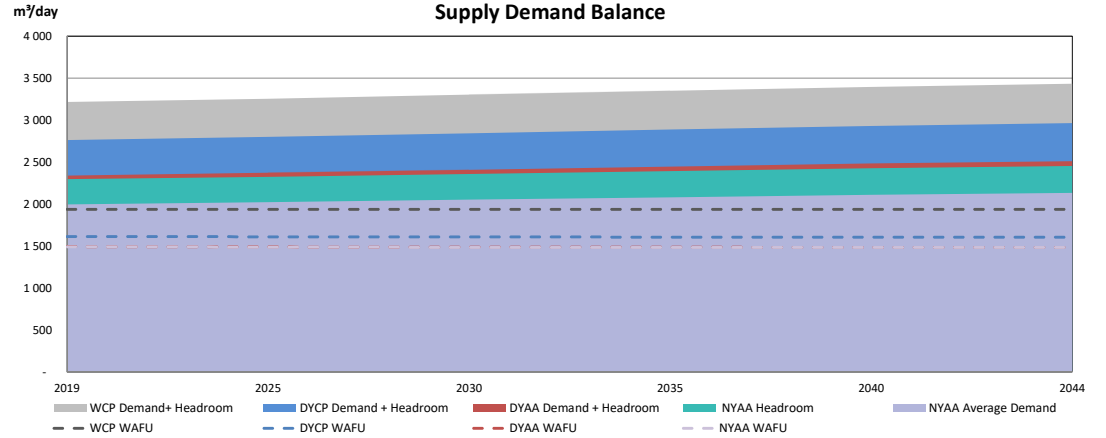
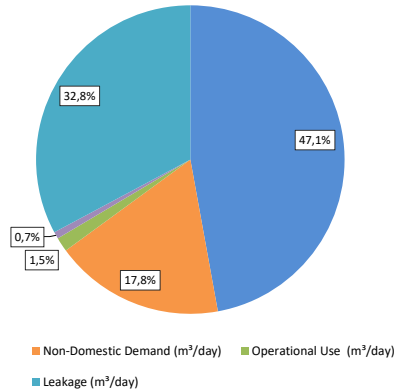
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000177	Lissava WTP	319	266	292	No Licence	287	Yield	284	-	284	
WTP1000310	Ballylooby Springs WTP	1 500	1 250	1 375	No Licence	1 437	22Hr	1 375	-	1 375	
WTP0000432	Glengarra WTP	2 600	2 167	2 383	No Licence	931	Yield	861	-	861	
TOTAL		4 419	3 683	4 051	-	2 655		2 520	-	2 520	

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 940	2 467	2 619	4 419	120	650	1 060	135
2025	2 880	2 431	2 583	4 419	216	728	1 144	84
2030	2 829	2 401	2 547	4 419	291	786	1 213	51
2035	2 814	2 392	2 537	4 419	330	824	1 257	17
2040	2 800	2 383	2 528	4 419	368	861	1 299	17
2044	2 789	2 377	2 520	4 419	399	887	1 333	44

WRZ CODE	2900SC0024	WRZ Name	Carrick-On-Suir	Study Area	K	Study Group		Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	942
Non-Domestic Demand (m ³ /day)	356
Operational Use (m ³ /day)	30
Apparent Losses (m ³ /day)	15
Leakage (m ³ /day)	655
Demand (m³/day)	1 998

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 998	300	2 298	2 341	2 762	3 217
2025	2 023	303	2 326	2 373	2 800	3 257
2030	2 052	308	2 360	2 410	2 844	3 304
2035	2 081	312	2 393	2 447	2 888	3 351
2040	2 110	317	2 427	2 485	2 931	3 398
2044	2 134	320	2 454	2 512	2 966	3 435

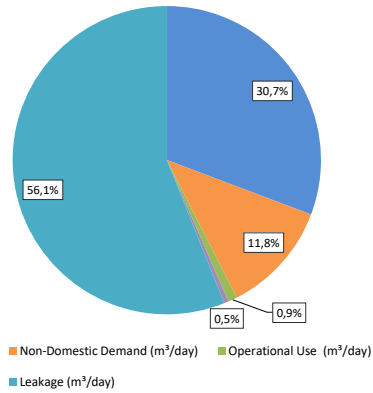
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000093	Crotty's Lake WTP	20	16	18	No Licence	504	22Hr	18	-	18	Significant Reduction
WTP0000567	Coolnamuck WTP	480	400	440	No Licence	272	Yield	269	-	269	
WTP0000114	Linguan WTP	1 440	1 200	1 320	No Licence	8 435	22Hr	1 320	-	1 320	
TOTAL		1 940	1 616	1 778	-	9 210		1 607	-	1 607	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	1 495	1 495	1 617	1 940	803	846	1 145	1 277	1 495	1 495	1 617
2025	1 490	1 491	1 613	1 940	836	882	1 187	1 317	1 490	1 491	1 613
2030	1 486	1 488	1 610	1 940	873	922	1 234	1 364	1 486	1 488	1 610
2035	1 485	1 487	1 609	1 940	908	960	1 279	1 411	1 485	1 487	1 609
2040	1 484	1 486	1 608	1 940	943	998	1 323	1 458	1 484	1 486	1 608
2044	1 483	1 486	1 607	1 940	970	1 026	1 359	1 495	1 483	1 486	1 607

WRZ CODE	2900SC0025	WRZ Name	Clonmel	Study Area	K	Study Group	Local Authority	Tipperary
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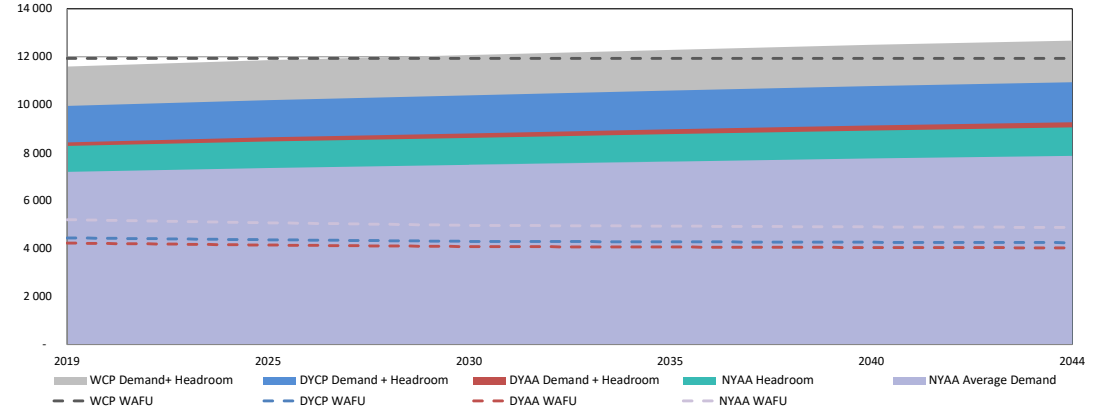
Base Demand in 2019	
Domestic Demand (m ³ /day)	2 212
Non-Domestic Demand (m ³ /day)	849
Operational Use (m ³ /day)	67
Apparent Losses (m ³ /day)	33
Leakage (m ³ /day)	4 038
Demand (m³/day)	7 200

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7 200	1 080	8 280	8 435	9 953	11 592
2025	7 364	1 105	8 468	8 639	10 193	11 856
2030	7 497	1 125	8 622	8 806	10 390	12 071
2035	7 631	1 145	8 776	8 974	10 588	12 286
2040	7 765	1 165	8 929	9 142	10 785	12 501
2044	7 871	1 181	9 052	9 268	10 942	12 673

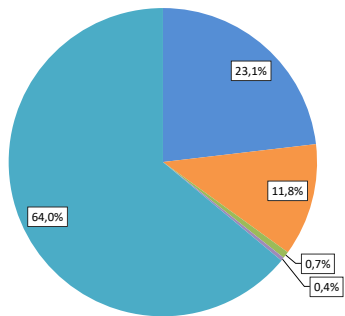
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000695	Poulavanouge WTP	2 500	2 083	2 292	No Licence	969	Yield	940	-	940	Significant Reduction
WTP0000185	Monroe WTP	2 600	2 167	2 383	No Licence	4 557	22Hr	2 383	-	2 383	
WTP0000473	Glenary WTP	6 840	5 700	6 270	No Licence	1 009	Yield	933	-	933	
TOTAL		11 940	9 950	10 945	-	6 535		4 256	-	4 256	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	5 215	4 237	4 453	11 940	3 065	4 198	5 499	348	
2025	5 085	4 158	4 375	11 940	3 383	4 481	5 819	84	
2030	4 977	4 092	4 309	11 940	3 645	4 714	6 082	131	
2035	4 945	4 072	4 289	11 940	3 831	4 901	6 299	346	
2040	4 915	4 054	4 271	11 940	4 014	5 088	6 514	561	
2044	4 892	4 040	4 256	11 940	4 161	5 228	6 686	733	

WRZ CODE	2900SC0026	WRZ Name	Fethard & Mullenbawn	Study Area	K	Study Group	Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 326
Non-Domestic Demand (m ³ /day)	676
Operational Use (m ³ /day)	41
Apparent Losses (m ³ /day)	20
Leakage (m ³ /day)	3 667
Demand (m³/day)	5 731

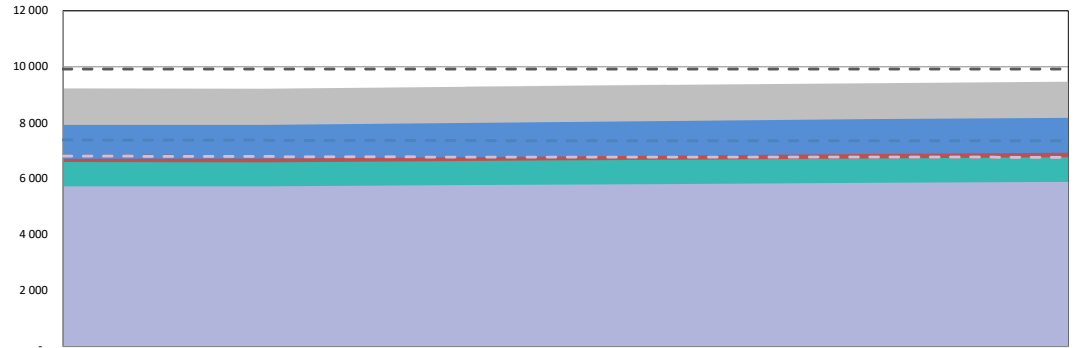
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



■ WCP Demand + Headroom
 ■ DYCP Demand + Headroom
 ■ DYAA Demand + Headroom
 ■ NYAA Headroom
 ■ NYAA Average Demand
- WCP WAFU
- DYCP WAFU
- DYAA WAFU
- NYAA WAFU

Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5 731	860	6 590	6 714	7 922	9 227
2025	5 725	859	6 584	6 717	7 925	9 218
2030	5 766	865	6 631	6 773	7 991	9 284
2035	5 807	871	6 678	6 829	8 058	9 350
2040	5 848	877	6 726	6 886	8 123	9 416
2044	5 881	882	6 764	6 925	8 175	9 469

Water Available for Use in 2044 DYCP

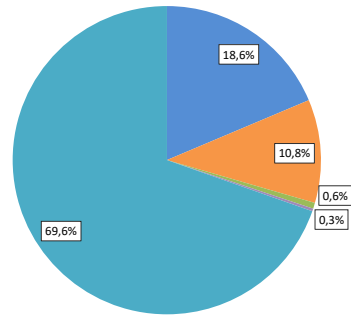
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000418	Dualla WTP	428	357	392	No Licence	410	22Hr	392	-	392	
WTP0000254	Mullenbawn WTP	3 000	2 500	2 750	No Licence	1 088	Yield	1 006	-	1 006	Issue Capacity / Yield (Unknown)
WTP1000004	Fethard	6 500	5 417	5 958	No Licence	13 737	22Hr	5 958	-	5 958	
TOTAL		9 928	8 273	9 101	-	15 235		7 357	-	7 357	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	6 813	6 815	7 392	9 928	223	101	-	530	701
2025	6 796	6 801	7 378	9 928	212	84	-	547	710
2030	6 783	6 789	7 366	9 928	151	16	-	625	644
2035	6 778	6 786	7 363	9 928	100	44	-	695	578
2040	6 775	6 782	7 360	9 928	49	104	-	764	512
2044	6 772	6 780	7 357	9 928	8	145	-	818	459

WRZ CODE	2900SC0029	WRZ Name	South West Tipperary	Study Area	K	Study Group	Local Authority	Tipperary
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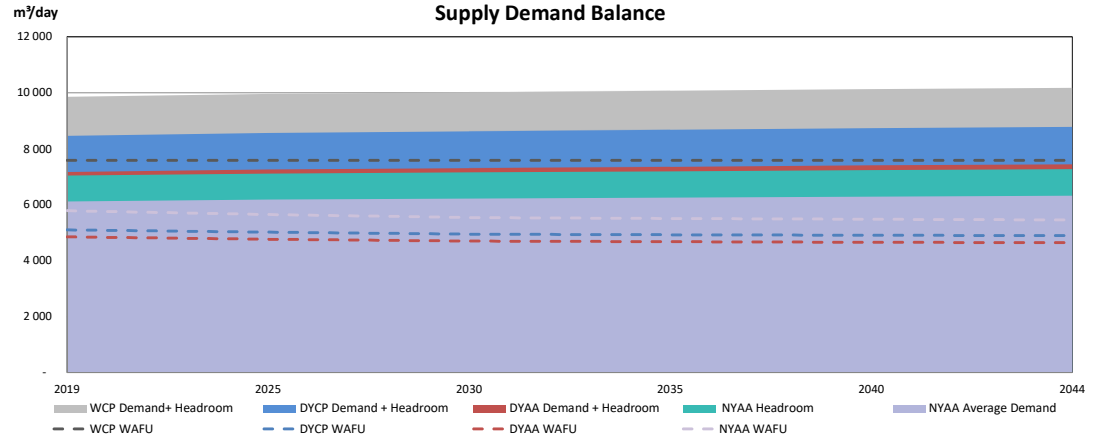
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 141
Non-Domestic Demand (m ³ /day)	663
Operational Use (m ³ /day)	37
Apparent Losses (m ³ /day)	18
Leakage (m ³ /day)	4 260
Demand (m³/day)	6 120

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	6 120	918	7 037	7 169	8 459	9 852
2025	6 185	928	7 113	7 256	8 562	9 958
2030	6 220	933	7 153	7 306	8 621	10 015
2035	6 256	938	7 194	7 356	8 680	10 072
2040	6 291	944	7 235	7 407	8 738	10 129
2044	6 319	948	7 267	7 440	8 784	10 174

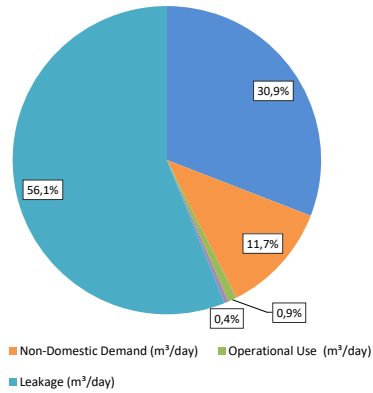
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000425	Glengar WTP	500	417	458	No Licence	287	Yield	284	-	284	
WTP0001066	Ironmills WTP	3 000	2 500	2 750	No Licence	2 873	22Hr	2 750	-	2 750	
WTP0000767	Stooke WTP	4 090	3 408	3 749	No Licence	2 015	Yield	1 864	-	1 864	
TOTAL		7 590	6 325	6 958	-	5 176		4 898	-	4 898	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	5 789	4 854	5 104	7 590	1 248	2 315	3 355	2 262	
2025	5 657	4 772	5 022	7 590	1 455	2 484	3 540	2 368	
2030	5 548	4 703	4 953	7 590	1 606	2 603	3 668	2 425	
2035	5 515	4 682	4 932	7 590	1 679	2 674	3 748	2 482	
2040	5 484	4 663	4 913	7 590	1 750	2 744	3 825	2 539	
2044	5 460	4 648	4 898	7 590	1 807	2 792	3 886	2 584	

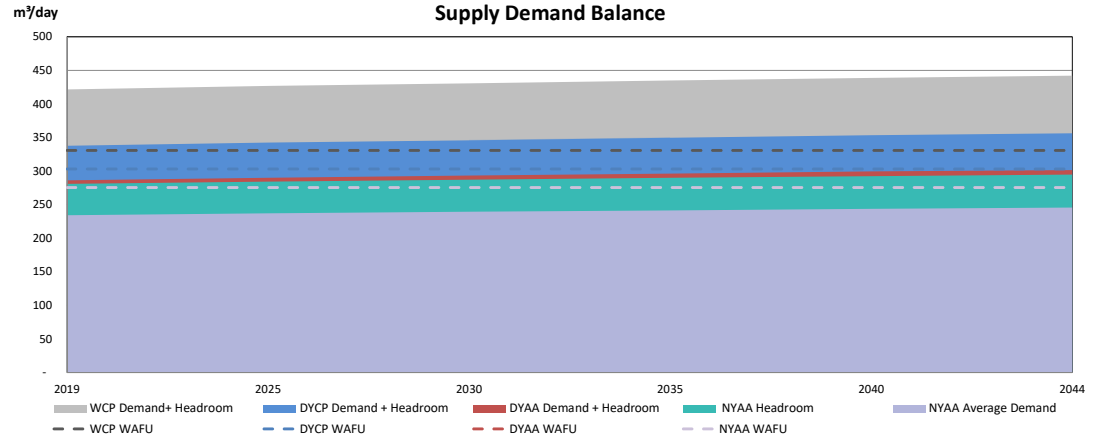
WRZ CODE	2900SC0031	WRZ Name	Tullohea	Study Area	K	Study Group	Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	72
Non-Domestic Demand (m ³ /day)	27
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	131
Demand (m³/day)	234

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	234	47	281	286	338	421
2025	237	47	284	290	342	427
2030	239	48	287	293	346	431
2035	242	48	290	296	350	435
2040	244	49	293	300	353	439
2044	246	49	295	302	356	442

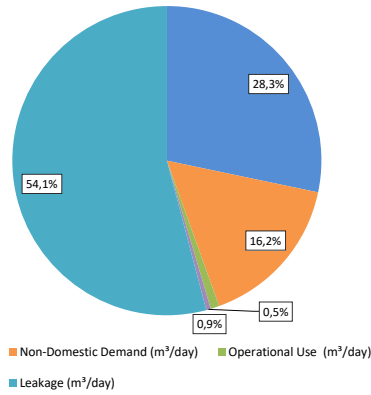
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000045	Tullohea WTP	331	276	303	No Licence	317	22Hr	303	-	303	
TOTAL		331	276	303	-	317		303	-	303	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	276	276	303	331	-	5	-	10	-	34	-	90
2025	276	276	303	331	-	9	-	14	-	39	-	96
2030	276	276	303	331	-	11	-	17	-	43	-	100
2035	276	276	303	331	-	14	-	21	-	46	-	104
2040	276	276	303	331	-	17	-	24	-	50	-	108
2044	276	276	303	331	-	19	-	26	-	53	-	111

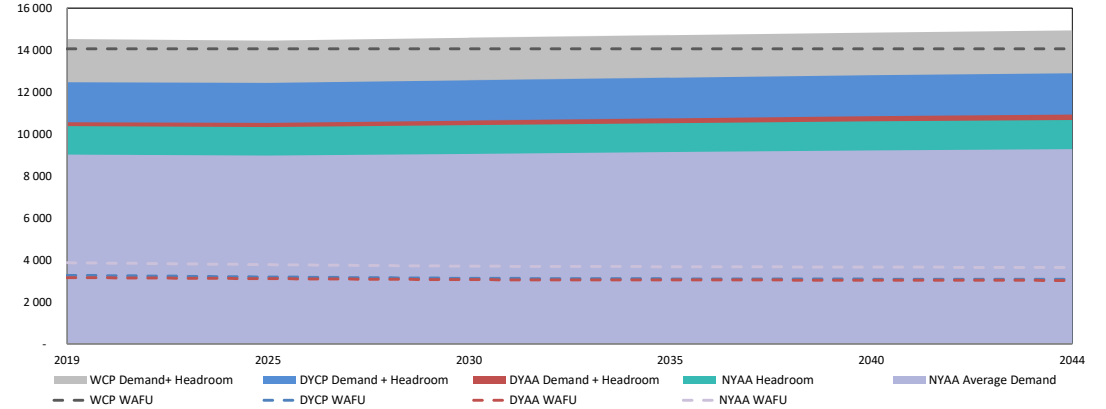
WRZ CODE	2900SC0032	WRZ Name	Galtee Regional	Study Area	K	Study Group		Local Authority	Tipperary
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Base Demand in	2019
Domestic Demand (m ³ /day)	2 553
Non-Domestic Demand (m ³ /day)	1 461
Operational Use (m ³ /day)	83
Apparent Losses (m ³ /day)	42
Leakage (m ³ /day)	4 882
Demand (m³/day)	9 022

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	9 022	1 353	10 376	10 570	12 472	14 526
2025	8 982	1 347	10 329	10 537	12 433	14 461
2030	9 061	1 359	10 420	10 643	12 558	14 589
2035	9 140	1 371	10 511	10 748	12 683	14 716
2040	9 219	1 383	10 602	10 855	12 806	14 843
2044	9 283	1 392	10 675	10 929	12 904	14 945

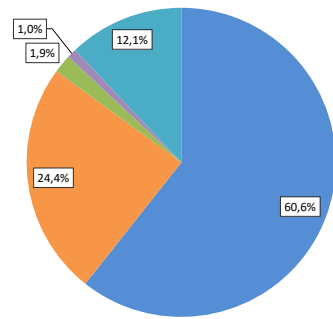
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000714	Springmount Source	2 000	1 667	1 833	No Licence	1 724	Yield	1 707	-	1 707	
WTP0000685	Rossadrehid WTP	12 600	10 500	11 550	No Licence	1 460	Yield	1 350	68	1 283	Issue Capacity / Yield (Unknown)
WTP0000489	Carrigmore WTP	100	83	92	No Licence	96	22Hr	92	-	92	Significant Reduction
TOTAL		14 700	12 250	13 475	-	3 279		3 149	-	68	3 081

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)
2019	3 876	3 168	3 275	14 070	6 500	7 402	9 197	456	3 876	14 070	456
2025	3 786	3 114	3 198	14 070	6 544	7 424	9 236	391	3 786	14 070	391
2030	3 710	3 069	3 133	14 070	6 710	7 574	9 425	519	3 710	14 070	519
2035	3 688	3 055	3 113	14 070	6 824	7 693	9 569	646	3 688	14 070	646
2040	3 667	3 043	3 095	14 070	6 935	7 812	9 710	773	3 667	14 070	773
2044	3 650	3 033	3 081	14 070	7 025	7 897	9 823	875	3 650	14 070	875

WRZ CODE	2900SC0036	WRZ Name	Kilcash	Study Area	K	Study Group		Local Authority	Tipperary
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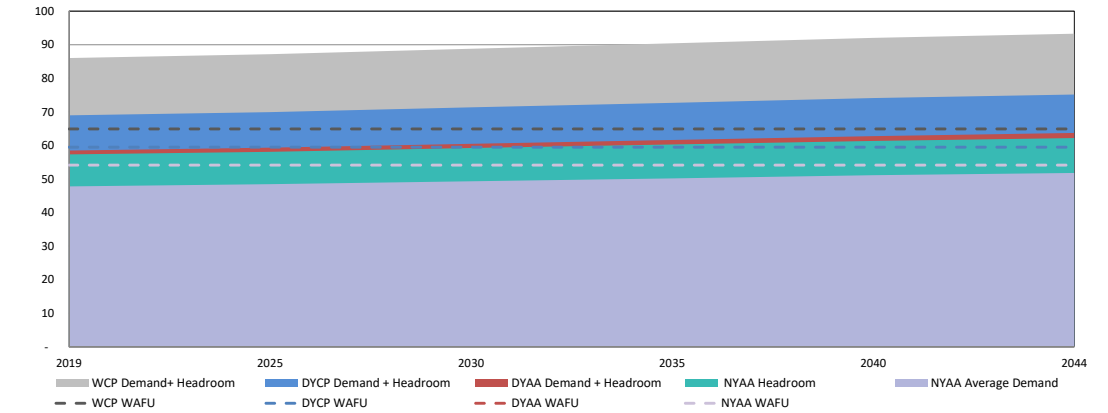
Base Demand in 2019	
Domestic Demand (m ³ /day)	29
Non-Domestic Demand (m ³ /day)	12
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	6
Demand (m³/day)	48

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	48	10	57	58	69	86
2025	48	10	58	59	70	87
2030	49	10	59	60	71	89
2035	50	10	60	62	73	90
2040	51	10	61	63	74	92
2044	52	10	62	64	75	93

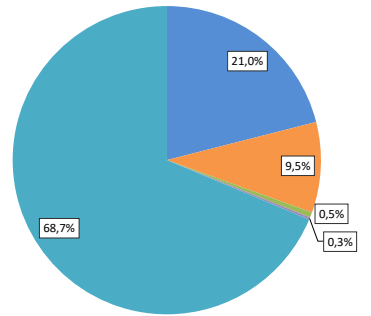
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001042	Kilcash WTP	65	54	60	No Licence	62	22Hr	60	-	60	
TOTAL		65	54	60	-	62		60	-	60	

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	54	54	60	65	3	4	9	21
2025	54	54	60	65	4	5	10	22
2030	54	54	60	65	5	6	12	24
2035	54	54	60	65	6	7	13	25
2040	54	54	60	65	7	9	15	27
2044	54	54	60	65	8	10	16	28

WRZ CODE	2900SC0039	WRZ Name	Templetney/Brackford Bridge	Study Area	K	Study Group	Local Authority	Tipperary
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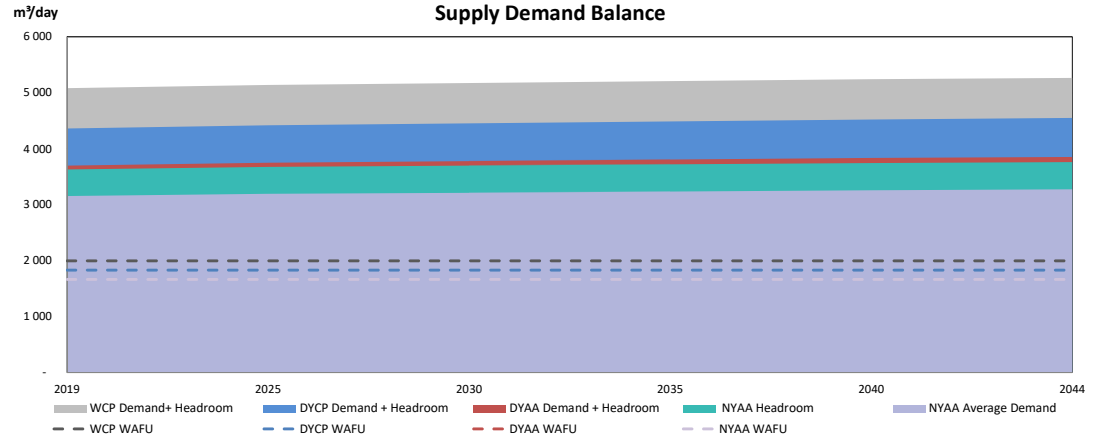
Base Demand in 2019	
Domestic Demand (m ³ /day)	663
Non-Domestic Demand (m ³ /day)	299
Operational Use (m ³ /day)	17
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	2 168
Demand (m³/day)	3 155

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 155	473	3 629	3 697	4 362	5 080
2025	3 194	479	3 673	3 747	4 422	5 143
2030	3 215	482	3 697	3 776	4 455	5 176
2035	3 235	485	3 721	3 805	4 489	5 209
2040	3 256	488	3 744	3 833	4 522	5 242
2044	3 272	491	3 763	3 853	4 549	5 268

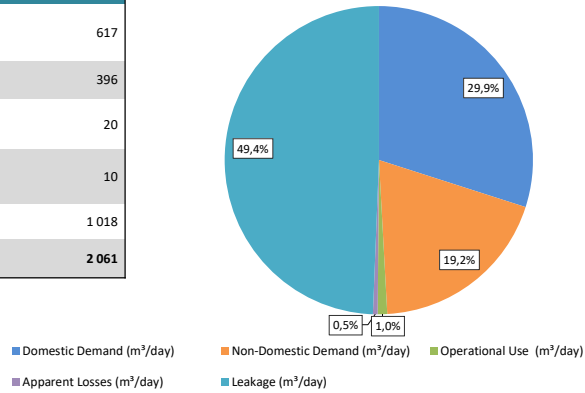
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000739	Templetney WTP	2 000	1 667	1 833	No Licence	1 916	22Hr	1 833	-	1 833	
TOTAL		2 000	1 667	1 833	-	1 916		1 833	-	1 833	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	1 667	1 667	1 833	2 000	1 962	2 030	2 528	3 080	-	-
2025	1 667	1 667	1 833	2 000	2 007	2 081	2 588	3 143	-	-
2030	1 667	1 667	1 833	2 000	2 030	2 109	2 622	3 176	-	-
2035	1 667	1 667	1 833	2 000	2 054	2 138	2 656	3 209	-	-
2040	1 667	1 667	1 833	2 000	2 078	2 167	2 689	3 242	-	-
2044	1 667	1 667	1 833	2 000	2 097	2 186	2 715	3 268	-	-

WRZ CODE	2900SC0042	WRZ Name	Templemore / Templetoohy	Study Area	K	Study Group	Local Authority	Tipperary
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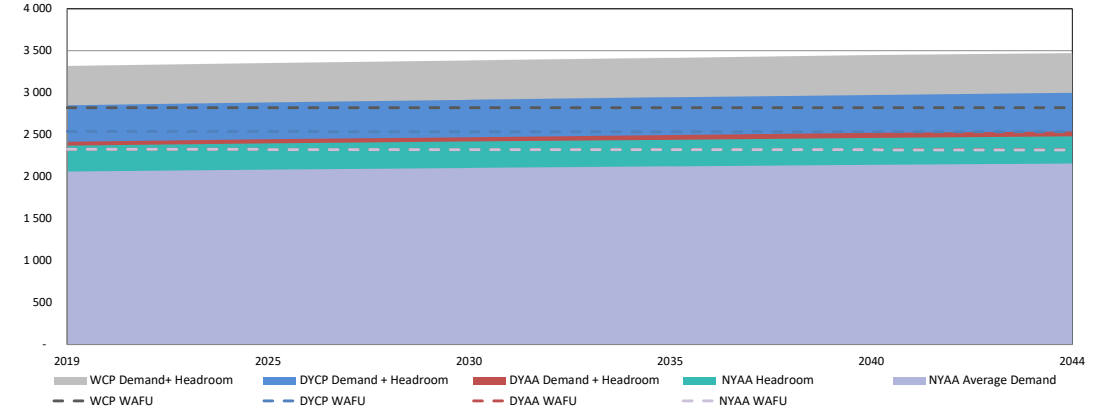
Base Demand in	2019
Domestic Demand (m ³ /day)	617
Non-Domestic Demand (m ³ /day)	396
Operational Use (m ³ /day)	20
Apparent Losses (m ³ /day)	10
Leakage (m ³ /day)	1 018
Demand (m³/day)	2 061

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 061	309	2 371	2 415	2 850	3 319
2025	2 084	313	2 397	2 445	2 885	3 355
2030	2 103	315	2 419	2 470	2 915	3 386
2035	2 122	318	2 441	2 496	2 945	3 417
2040	2 142	321	2 463	2 521	2 974	3 448
2044	2 157	324	2 480	2 539	2 998	3 472

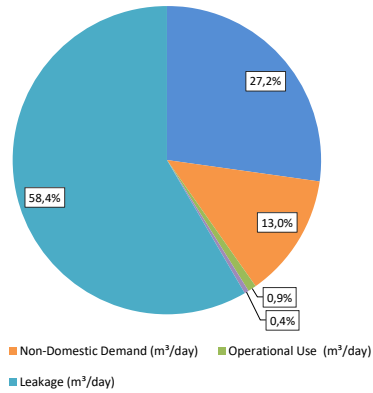
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000740	Templetouhy WTP	265	221	243	No Licence	192	Yield	190	-	190	
WTP0000065	Whitefield WTP	360	300	330	No Licence	345	22Hr	330	-	330	
WTP0000549	College Hill WTP	2 200	1 833	2 017	No Licence	2 107	22Hr	2 017	-	2 017	
TOTAL		2 825	2 354	2 590	-	2 644		2 536	-	2 536	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	2 329	2 330	2 543	2 825	41	85	307	494	2 329	2 330	2 543
2025	2 326	2 327	2 540	2 825	71	118	345	530	2 326	2 327	2 540
2030	2 323	2 325	2 538	2 825	95	146	377	561	2 323	2 325	2 538
2035	2 323	2 324	2 537	2 825	118	172	407	592	2 323	2 324	2 537
2040	2 322	2 323	2 537	2 825	141	198	438	623	2 322	2 323	2 537
2044	2 321	2 323	2 536	2 825	159	216	462	647	2 321	2 323	2 536

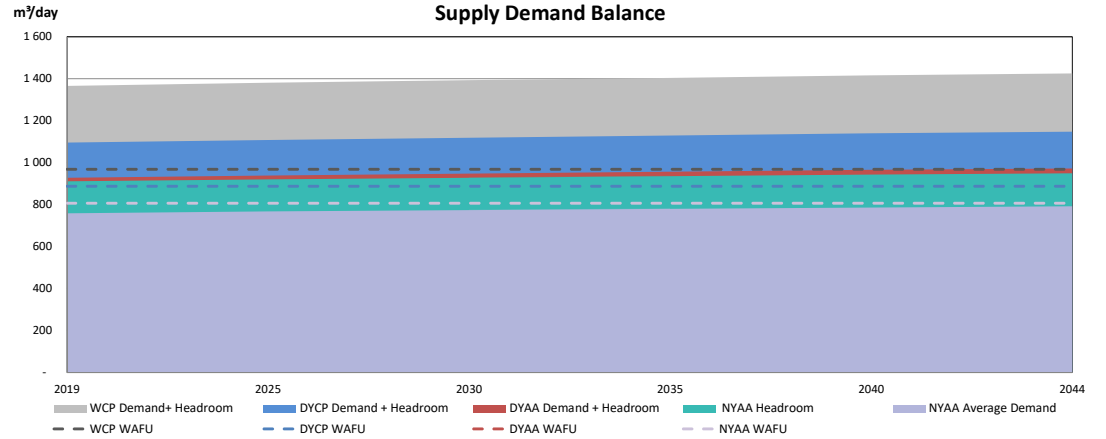
WRZ CODE	2900SC0043	WRZ Name	Lorrha	Study Area	7	Study Group		Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	207
Non-Domestic Demand (m ³ /day)	99
Operational Use (m ³ /day)	7
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	444
Demand (m³/day)	759

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	759	152	911	928	1 095	1 367
2025	768	154	921	940	1 109	1 382
2030	774	155	929	949	1 119	1 393
2035	780	156	936	958	1 130	1 405
2040	787	157	944	967	1 140	1 416
2044	792	158	950	973	1 149	1 425

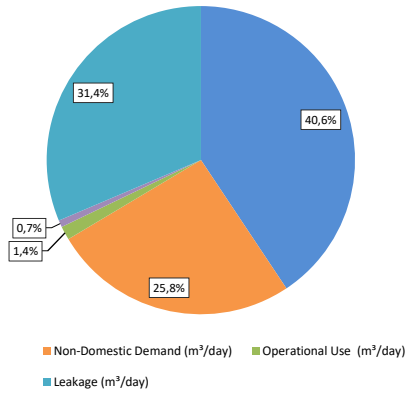
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000131	Lorrha Annagh WTP	360	300	330	No Licence	345	22Hr	330	-	330	Issue Capacity / Yield (Unknown)
WTP0001226	Riverstown WTP	610	508	559	No Licence	670	22Hr	559	-	559	
TOTAL		970	808	889	-	1 015		889	-	889	

Year	WAFU					Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	808	808	889	970	103	120	206	397	808	808	889	970
2025	808	808	889	970	113	131	220	412	808	808	889	970
2030	808	808	889	970	120	140	230	423	808	808	889	970
2035	808	808	889	970	128	149	241	435	808	808	889	970
2040	808	808	889	970	136	158	251	446	808	808	889	970
2044	808	808	889	970	142	165	260	455	808	808	889	970

WRZ CODE	2900SC0045	WRZ Name	Greyford source to Crotta	Study Area	7	Study Group		Local Authority	Tipperary
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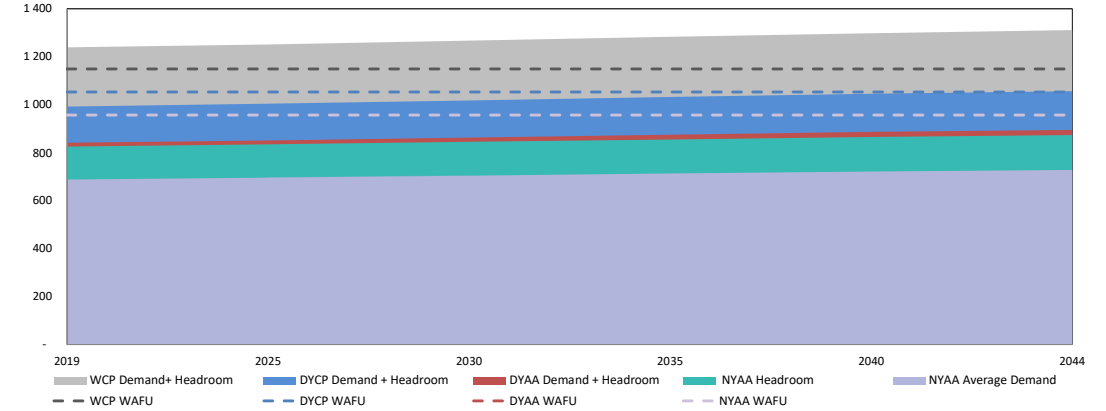
Base Demand in 2019	
Domestic Demand (m ³ /day)	280
Non-Domestic Demand (m ³ /day)	178
Operational Use (m ³ /day)	10
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	216
Demand (m³/day)	688

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	688	138	826	841	993	1 239
2025	696	139	835	851	1 005	1 252
2030	704	141	845	863	1 018	1 268
2035	713	143	855	875	1 032	1 283
2040	722	144	866	886	1 046	1 299
2044	728	146	874	895	1 057	1 311

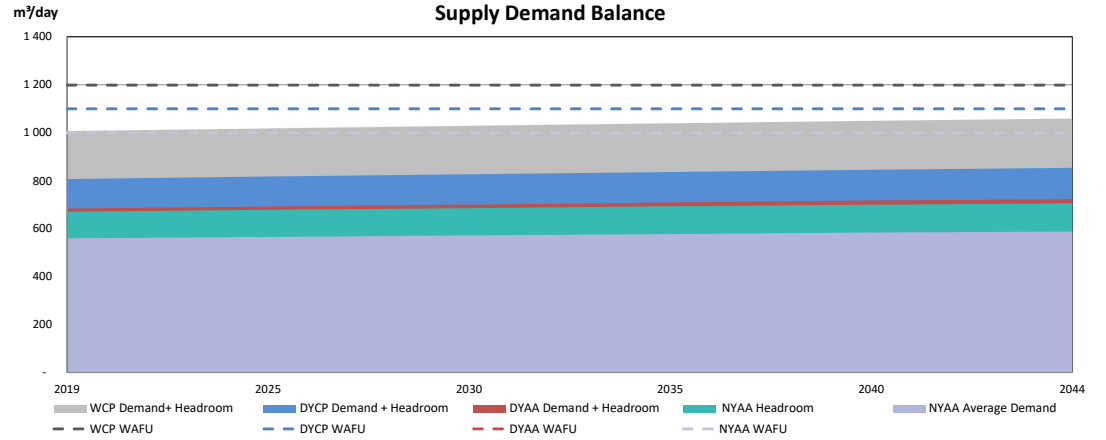
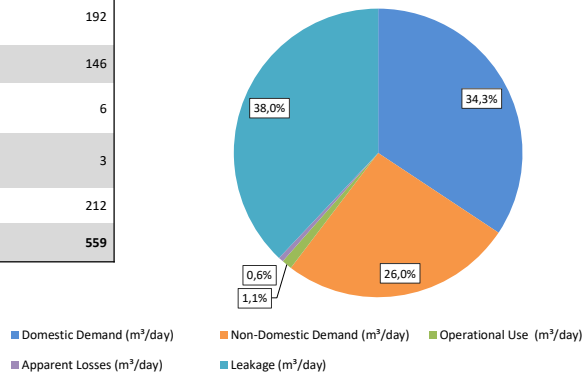
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000305	Kylebeg WTP	1 150	958	1 054	No Licence	1 724	22Hr	1 054	-	1 054	
TOTAL		1 150	958	1 054	-	1 724		1 054	-	1 054	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)		
2019	958	958	1 054	1 150	132	117	61	-	89	
2025	958	958	1 054	1 150	124	107	49	-	102	
2030	958	958	1 054	1 150	113	95	36	-	118	
2035	958	958	1 054	1 150	103	84	22	-	133	
2040	958	958	1 054	1 150	92	72	8	-	149	
2044	958	958	1 054	1 150	84	63	2	-	161	

WRZ CODE	2900SC0046	WRZ Name	Cloughjordan	Study Area	7	Study Group		Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	192
Non-Domestic Demand (m ³ /day)	146
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	212
Demand (m³/day)	559

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	559	112	671	684	807	1 007
2025	566	113	679	693	817	1 018
2030	572	114	686	701	827	1 029
2035	578	116	693	709	836	1 040
2040	584	117	700	717	846	1 050
2044	588	118	706	723	853	1 059

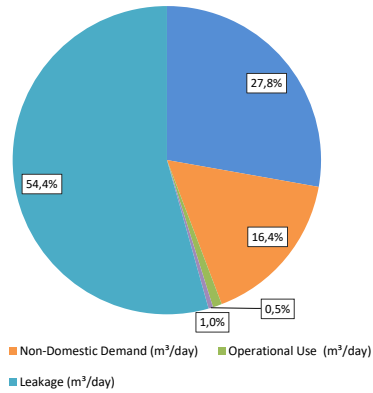
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000306	Matty's Well WTP	1 200	1 000	1 100	No Licence	1 149	22Hr	1 100	-	1 100	
TOTAL		1 200	1 000	1 100	-	1 149		1 100	-	1 100	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 000	1 000	1 100	1 200	329	316	293	193	
2025	1 000	1 000	1 100	1 200	321	307	283	182	
2030	1 000	1 000	1 100	1 200	314	299	273	171	
2035	1 000	1 000	1 100	1 200	307	291	264	160	
2040	1 000	1 000	1 100	1 200	300	283	254	150	
2044	1 000	1 000	1 100	1 200	294	277	247	141	

WRZ CODE	2900SC0049	WRZ Name	Tipperary Town Supply	Study Area	K	Study Group	Local Authority	Tipperary
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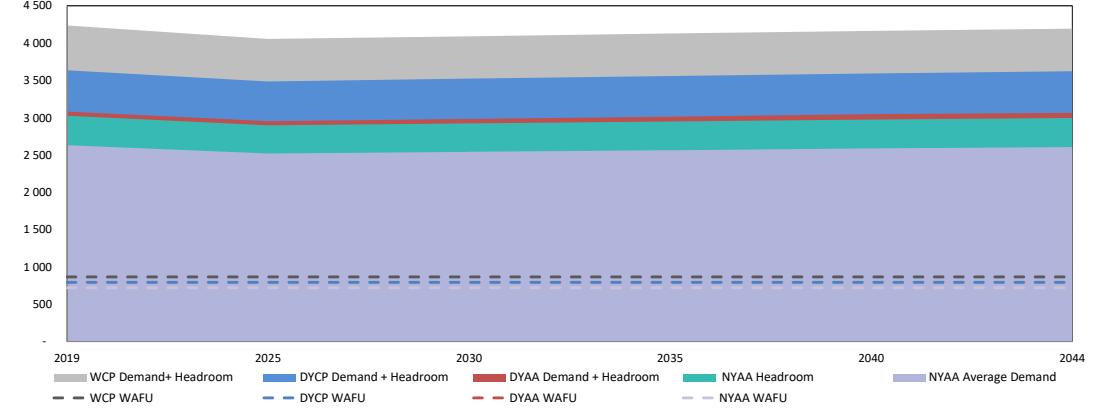
Base Demand in	2019
Domestic Demand (m ³ /day)	731
Non-Domestic Demand (m ³ /day)	432
Operational Use (m ³ /day)	25
Apparent Losses (m ³ /day)	12
Leakage (m ³ /day)	1 431
Demand (m³/day)	2 632

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 632	395	3 027	3 083	3 638	4 237
2025	2 519	378	2 897	2 956	3 487	4 056
2030	2 542	381	2 923	2 986	3 523	4 093
2035	2 565	385	2 949	3 016	3 559	4 129
2040	2 587	388	2 975	3 046	3 594	4 166
2044	2 605	391	2 996	3 068	3 622	4 195

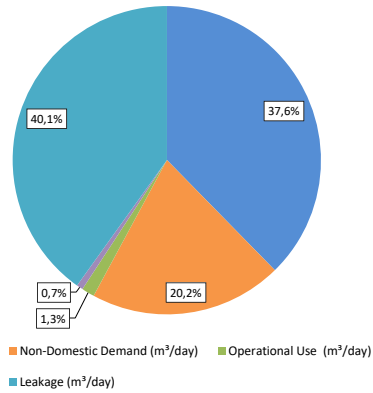
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000762	Tipperary Town	868	723	796	No Licence	821	22Hr	796	-	796	
TOTAL		868	723	796	-	821		796	-	796	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	723	723	796	868	2 303	2 360	2 843	3 369	
2025	723	723	796	868	2 174	2 232	2 692	3 188	
2030	723	723	796	868	2 200	2 262	2 727	3 225	
2035	723	723	796	868	2 226	2 293	2 763	3 261	
2040	723	723	796	868	2 252	2 323	2 798	3 298	
2044	723	723	796	868	2 273	2 344	2 826	3 327	

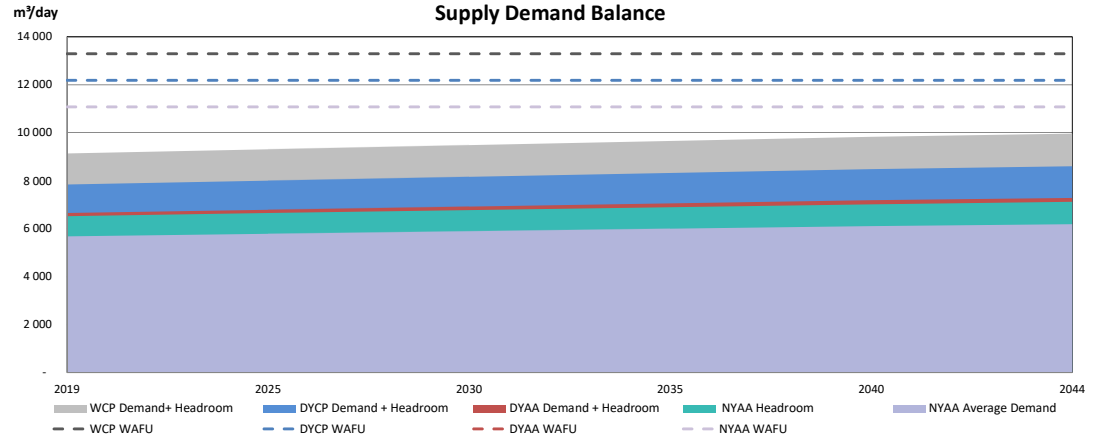
WRZ CODE	2900SC0050	WRZ Name	Nenagh	Study Area	7	Study Group		Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	2 136
Non-Domestic Demand (m ³ /day)	1 148
Operational Use (m ³ /day)	76
Apparent Losses (m ³ /day)	38
Leakage (m ³ /day)	2 276
Demand (m³/day)	5 674

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5 674	851	6 526	6 648	7 844	9 136
2025	5 782	867	6 650	6 784	8 004	9 310
2030	5 889	883	6 773	6 917	8 162	9 482
2035	5 997	899	6 896	7 052	8 320	9 655
2040	6 104	916	7 019	7 186	8 478	9 827
2044	6 189	928	7 118	7 287	8 604	9 965

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000614	Coolbawn WTP	14 000	11 667	12 833	No Licence	2 706 968	22Hr	12 833	642	12 192	Issue Capacity / Yield (Unknown)
TOTAL		14 000	11 667	12 833	-	2 706 968		12 833	642	12 192	

WAFU

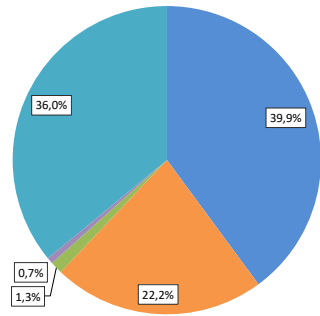
Supply Demand Balance

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	11 083	11 083	12 192	13 300	4 558	4 435	4 348	4 164	
2025	11 083	11 083	12 192	13 300	4 434	4 300	4 187	3 990	
2030	11 083	11 083	12 192	13 300	4 310	4 166	4 030	3 818	
2035	11 083	11 083	12 192	13 300	4 187	4 032	3 871	3 645	
2040	11 083	11 083	12 192	13 300	4 064	3 897	3 714	3 473	
2044	11 083	11 083	12 192	13 300	3 966	3 796	3 588	3 335	

WRZ CODE	2900SC0051	WRZ Name	Terryglass	Study Area	7	Study Group		Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	35
Non-Domestic Demand (m ³ /day)	19
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	31
Demand (m³/day)	87

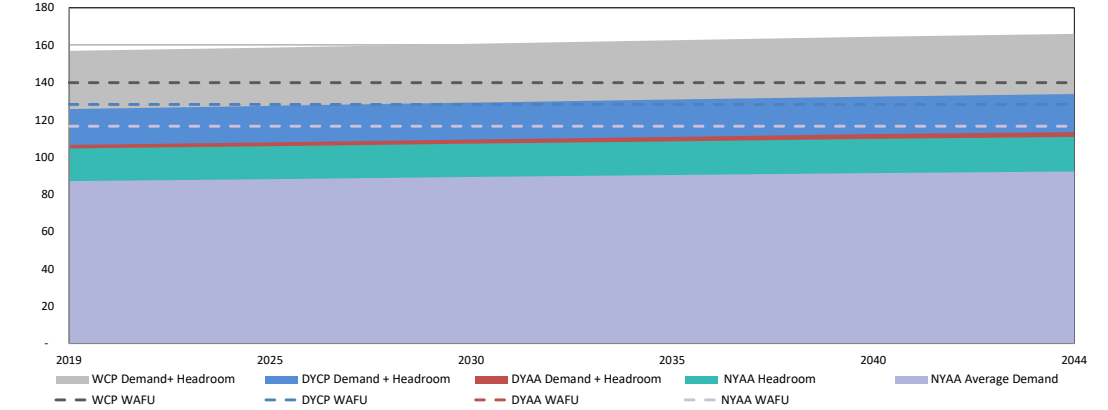
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	87	17	105	107	126	157
2025	88	18	106	108	127	159
2030	89	18	107	109	129	161
2035	90	18	108	111	131	163
2040	91	18	110	112	132	165
2044	92	18	111	113	134	166

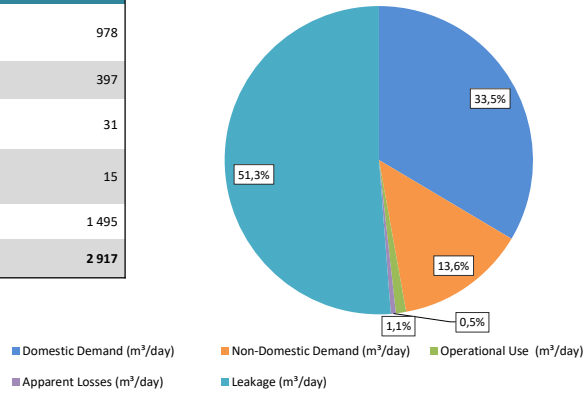
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000841	Old School Source	70	58	64	No Licence	67	22Hr	64	-	64	
WTP0000590	Crossanagh WTP	70	58	64	No Licence	67	22Hr	64	-	64	
TOTAL		140	117	128	-	134		128	-	128	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	117	117	128	140	12	10	3	17
2025	117	117	128	140	11	9	1	19
2030	117	117	128	140	10	7	1	21
2035	117	117	128	140	8	6	2	23
2040	117	117	128	140	7	4	4	25
2044	117	117	128	140	6	3	5	26

WRZ CODE	2900SC0066	WRZ Name	Newport RWSS	Study Area	8	Study Group		Local Authority	Tipperary
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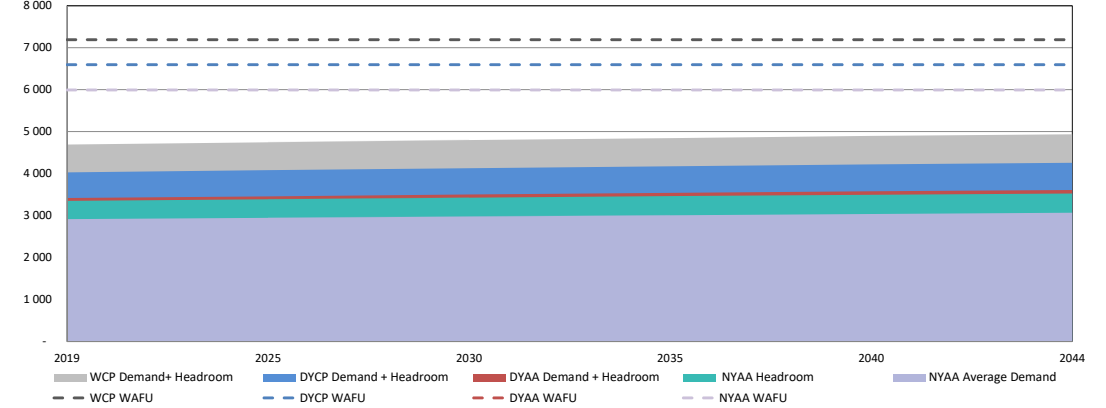
Base Demand in 2019	
Domestic Demand (m ³ /day)	978
Non-Domestic Demand (m ³ /day)	397
Operational Use (m ³ /day)	31
Apparent Losses (m ³ /day)	15
Leakage (m ³ /day)	1 495
Demand (m³/day)	2 917

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 917	438	3 354	3 417	4 032	4 696
2025	2 951	443	3 394	3 462	4 085	4 751
2030	2 981	447	3 428	3 502	4 132	4 800
2035	3 012	452	3 463	3 541	4 179	4 849
2040	3 042	456	3 498	3 581	4 225	4 897
2044	3 066	460	3 526	3 610	4 262	4 936

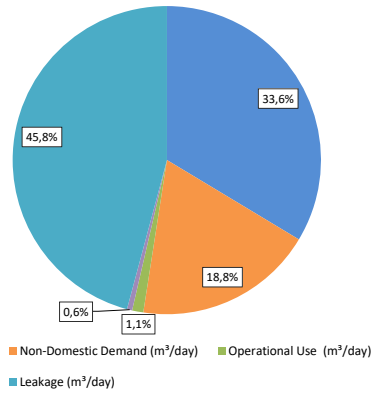
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000834	O'Gorman's Well	1 200	1 000	1 100	No Licence	1 149	22Hr	1 100	-	1 100	
WTP0000212	Newport WTP	6 000	5 000	5 500	No Licence	6 002	22Hr	5 500	-	5 500	
TOTAL		7 200	6 000	6 600	-	7 151		6 600	-	6 600	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	6 000	6 000	6 000	6 600	7 200	2 646	2 583	2 568	2 504
2025	6 000	6 000	6 000	6 600	7 200	2 606	2 538	2 515	2 449
2030	6 000	6 000	6 000	6 600	7 200	2 572	2 498	2 468	2 400
2035	6 000	6 000	6 000	6 600	7 200	2 537	2 459	2 421	2 351
2040	6 000	6 000	6 000	6 600	7 200	2 502	2 419	2 375	2 303
2044	6 000	6 000	6 000	6 600	7 200	2 474	2 390	2 338	2 264

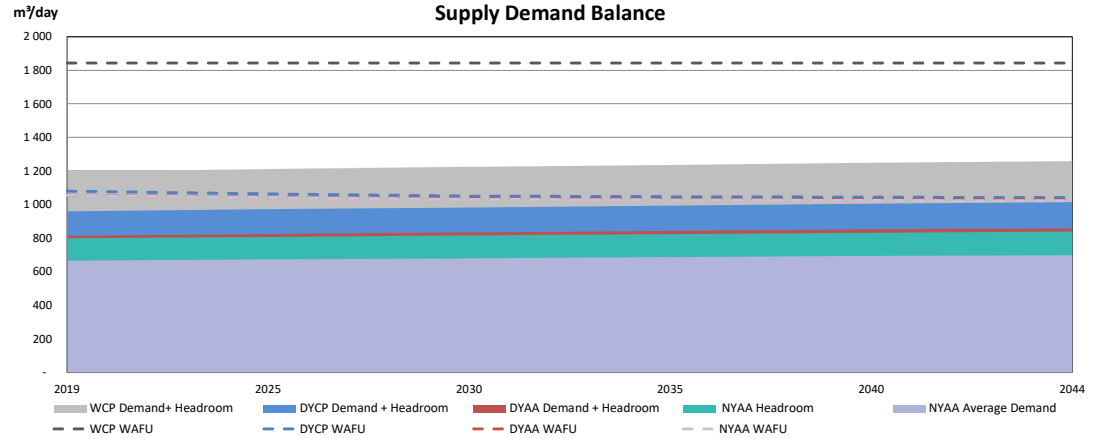
WRZ CODE	2900SC0067	WRZ Name	Coalbrook / Commons	Study Area	K	Study Group	Local Authority	Tipperary
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Base Demand in	2019
Domestic Demand (m ³ /day)	224
Non-Domestic Demand (m ³ /day)	125
Operational Use (m ³ /day)	8
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	305
Demand (m³/day)	666

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	666	133	799	814	961	1 199
2025	673	135	808	824	972	1 212
2030	680	136	816	834	984	1 224
2035	687	137	825	843	995	1 237
2040	694	139	833	853	1 006	1 249
2044	700	140	840	860	1 015	1 259

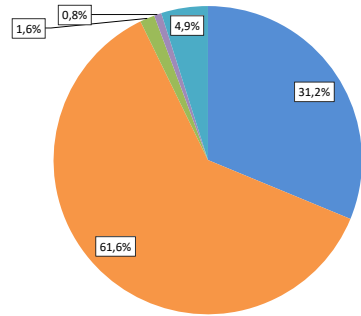
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000610	Commons WTP	281	234	258	No Licence	249	Yield	247	-	247	Significant Reduction
WTP0000080	Ballincurry WTP	364	303	334	No Licence	230	Yield	228	-	228	
WTP0000543	Coalbrook WTP	1 200	1 000	1 100	No Licence	575	Yield	569	-	569	Issue Capacity / Yield (Unknown)
TOTAL		1 845	1 538	1 691	-	1 054		1 043	-	1 043	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1 057	1 058	1 082	1 845	258	244	121	646	
2025	1 044	1 047	1 065	1 845	236	223	92	633	
2030	1 033	1 038	1 053	1 845	217	204	69	621	
2035	1 030	1 035	1 049	1 845	205	192	54	608	
2040	1 027	1 033	1 046	1 845	194	180	40	596	
2044	1 024	1 031	1 043	1 845	185	171	28	586	

WRZ CODE	2900SC0068	WRZ Name	Upperchurch	Study Area	8	Study Group		Local Authority	Tipperary
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Base Demand in 2019	
Domestic Demand (m ³ /day)	12
Non-Domestic Demand (m ³ /day)	23
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	2
Demand (m³/day)	38

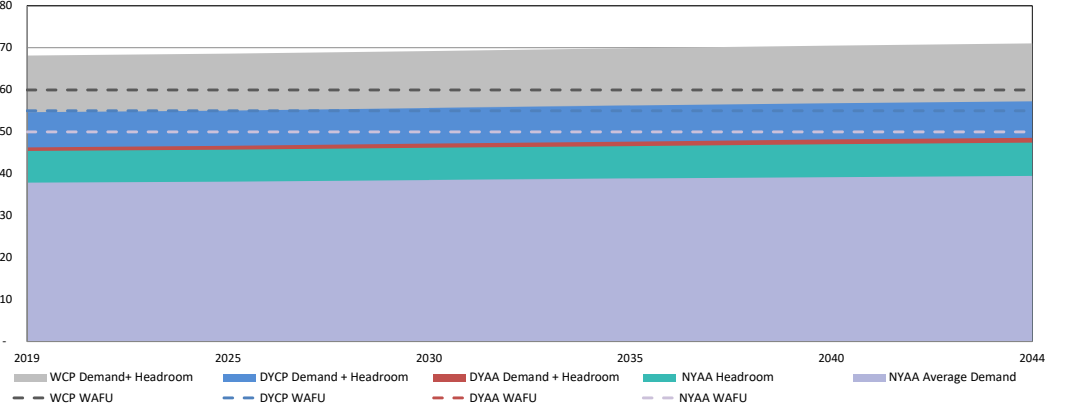
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	38	8	45	46	55	68
2025	38	8	46	47	55	69
2030	38	8	46	47	56	69
2035	39	8	47	48	56	70
2040	39	8	47	48	57	71
2044	39	8	47	49	57	71

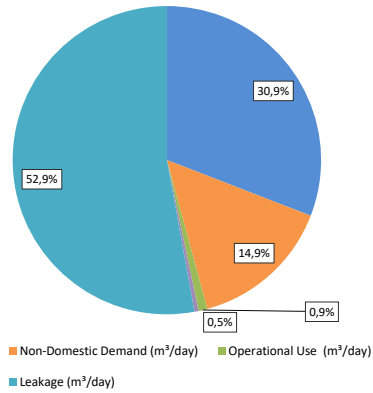
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001199	Upperchurch WTP	60	50	55	No Licence	57	22Hr	55	-	55	
TOTAL		60	50	55	-	57		55	-	55	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	50	50	55	60	5	4	0	8
2025	50	50	55	60	4	3	0	9
2030	50	50	55	60	4	3	1	9
2035	50	50	55	60	3	2	1	10
2040	50	50	55	60	3	2	2	11
2044	50	50	55	60	3	1	2	11

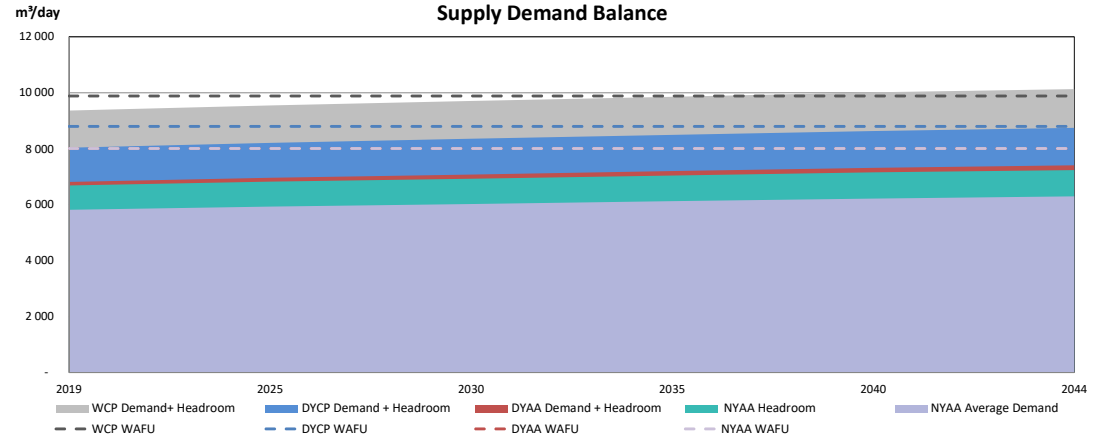
WRZ CODE	3100SC0001	WRZ Name	Dungarvan	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 794
Non-Domestic Demand (m ³ /day)	868
Operational Use (m ³ /day)	52
Apparent Losses (m ³ /day)	27
Leakage (m ³ /day)	3 074
Demand (m³/day)	5 815

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5 815	872	6 687	6 812	8 038	9 362
2025	5 934	890	6 824	6 961	8 214	9 553
2030	6 029	904	6 933	7 081	8 355	9 706
2035	6 124	919	7 042	7 201	8 497	9 859
2040	6 218	933	7 151	7 322	8 637	10 012
2044	6 294	944	7 239	7 411	8 750	10 134

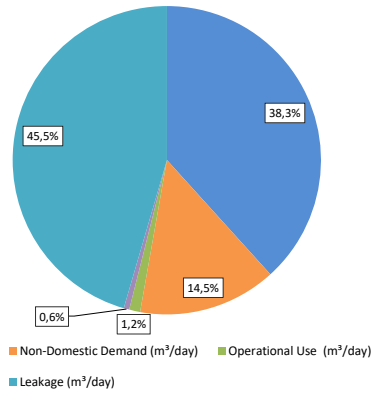
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001098	Kilgobnet WTP	393	328	360	No Licence	96	Yield	95	-	95	
WTP0000127	Ballinamuck WTP	9 500	7 917	8 708	No Licence	14 207	22Hr	8 708	-	8 708	
TOTAL		9 893	8 244	9 069	-	14 303		8 803	-	8 803	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	8 015	8 015	8 806	9 893	1 327	1 202	768	531	
2025	8 013	8 013	8 805	9 893	1 189	1 052	591	340	
2030	8 012	8 012	8 804	9 893	1 079	932	449	187	
2035	8 011	8 012	8 804	9 893	969	811	307	34	
2040	8 011	8 012	8 803	9 893	860	690	166	119	
2044	8 011	8 011	8 803	9 893	772	601	53	241	

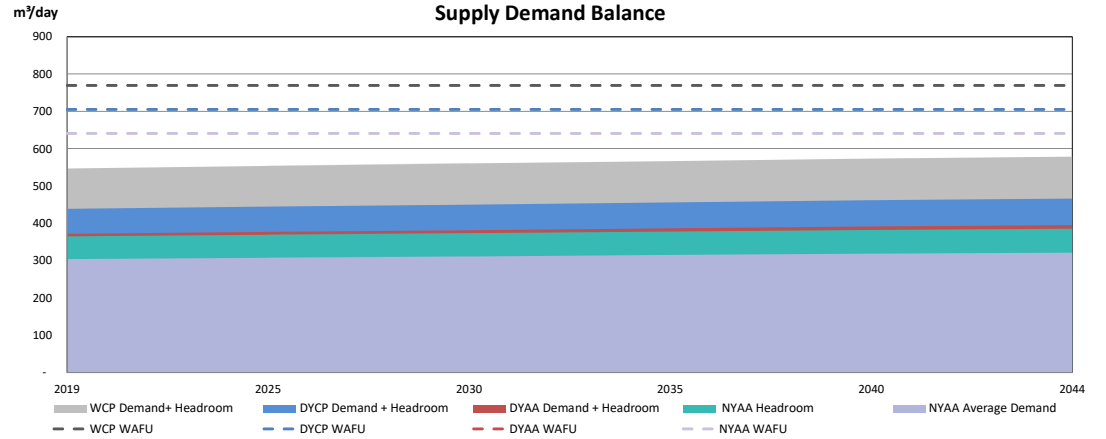
WRZ CODE	3100SC0005	WRZ Name	Ardmore	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	116
Non-Domestic Demand (m ³ /day)	44
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	138
Demand (m³/day)	304

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	304	61	365	372	438	547
2025	308	62	369	377	445	554
2030	311	62	374	382	450	560
2035	315	63	378	386	456	567
2040	319	64	382	391	462	573
2044	321	64	386	395	466	579

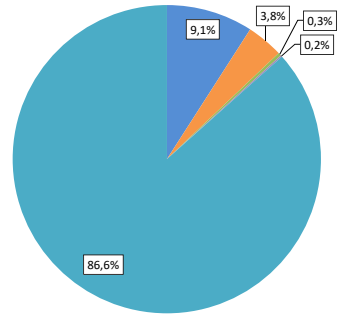
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000226	Monea WTP	770	642	706	No Licence	738	22Hr	706	-	706	Issue Capacity / Yield (Unknown)
TOTAL		770	642	706	-	738		706	-	706	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	642	642	706	770	277	270	267	223
2025	642	642	706	770	272	265	261	216
2030	642	642	706	770	268	260	256	210
2035	642	642	706	770	264	255	250	203
2040	642	642	706	770	259	250	244	197
2044	642	642	706	770	256	247	240	191

WRZ CODE	3100SC0007	WRZ Name	Grallagh	Study Area	J	Study Group		Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	7
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	63
Demand (m³/day)	73

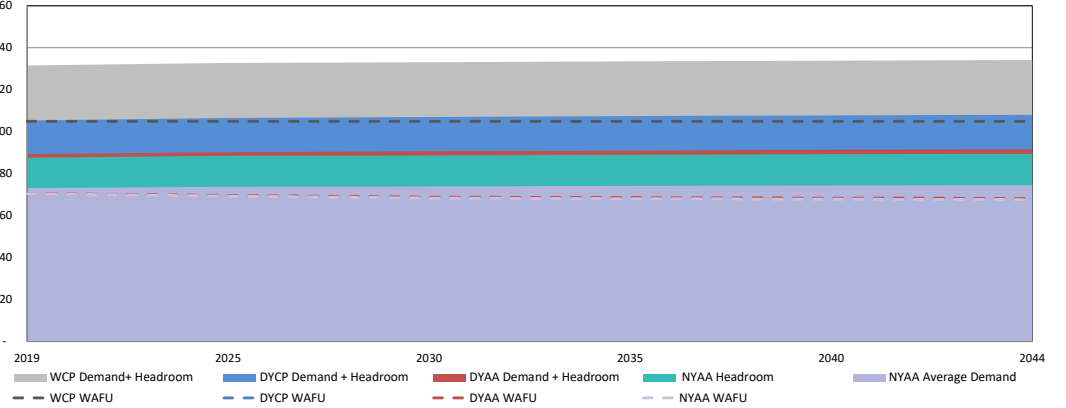
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	73	15	88	89	105	132
2025	74	15	89	90	107	133
2030	74	15	89	91	107	133
2035	74	15	89	91	107	134
2040	74	15	89	91	108	134
2044	75	15	89	92	108	134

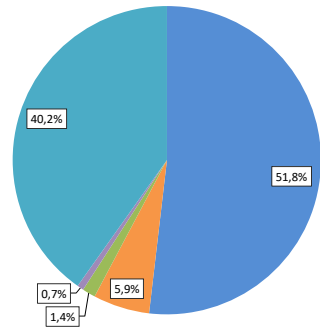
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000452	Grallagh WTP	105	88	96	No Licence	69	Yield	68	-	68	
TOTAL		105	88	96	-	69		68	-	68	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	71	71	71	105	17	19	35	27	71	71	71
2025	69	70	70	105	19	21	37	28	69	70	70
2030	68	69	69	105	20	22	38	28	68	69	69
2035	68	69	69	105	21	22	39	29	68	69	69
2040	68	68	68	105	21	23	39	29	68	68	68
2044	68	68	68	105	22	23	40	29	68	68	68

WRZ CODE	3100SC0008	WRZ Name	Tinkock\Tinnabinna	Study Area	J	Study Group		Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	12
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	9
Demand (m³/day)	24

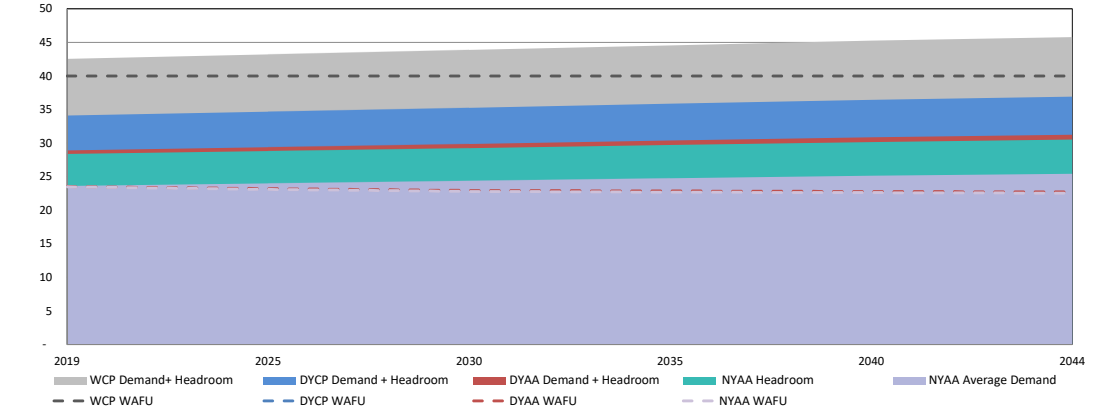
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	24	5	28	29	34	43
2025	24	5	29	29	35	43
2030	24	5	29	30	35	44
2035	25	5	30	30	36	45
2040	25	5	30	31	36	45
2044	25	5	31	31	37	46

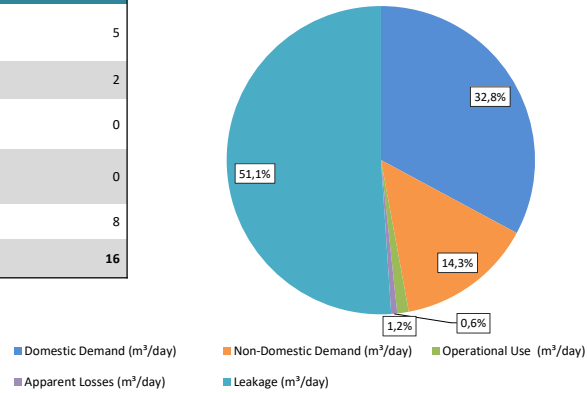
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000761	Tinnabinna WTP	40	33	37	No Licence	23	Yield	23	-	23	
TOTAL		40	33	37	-	23		23	-	23	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	24	24	24	40	5	5	11	3
2025	23	23	23	40	6	6	11	3
2030	23	23	23	40	6	7	12	4
2035	23	23	23	40	7	7	13	5
2040	23	23	23	40	8	8	14	5
2044	23	23	23	40	8	9	14	6

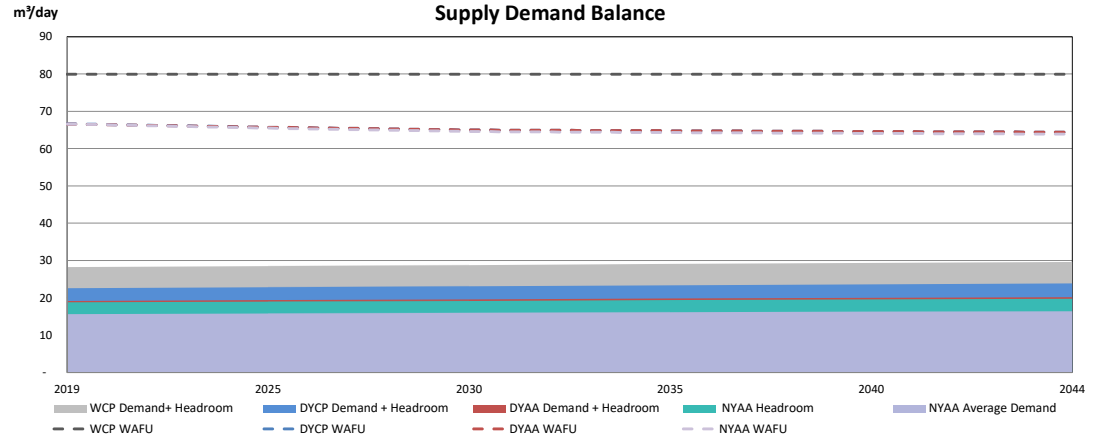
WRZ CODE	3100SC0010	WRZ Name	Strancally	Study Area	J	Study Group		Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	8
Demand (m³/day)	16

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	16	3	19	19	23	28
2025	16	3	19	19	23	29
2030	16	3	19	20	23	29
2035	16	3	19	20	23	29
2040	16	3	20	20	24	29
2044	16	3	20	20	24	30

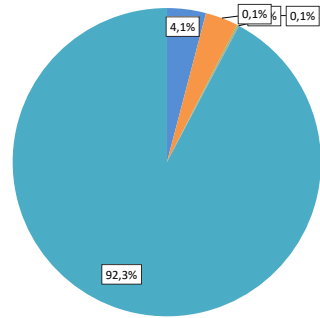
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001111	Killenagh (Strancally) WTP	80	67	73	No Licence	65	Yield	64	-	64	
TOTAL		80	67	73	-	65		64	-	64	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	67	67	67	80	48	47	44	52
2025	66	66	66	80	47	46	43	51
2030	65	65	65	80	45	45	42	51
2035	64	65	65	80	45	45	41	51
2040	64	65	65	80	45	45	41	51
2044	64	64	64	80	44	44	41	50

WRZ CODE	3100SC0015	WRZ Name	Kereen	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	74
Demand (m³/day)	80

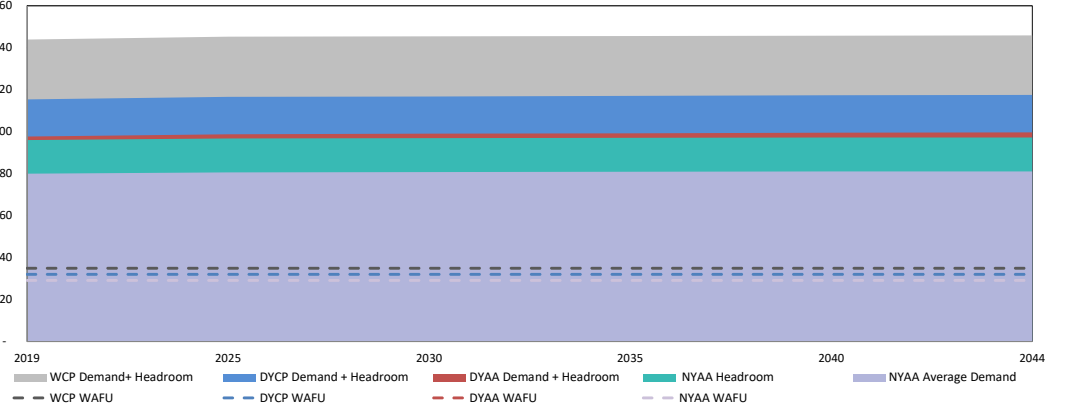
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	80	16	96	98	115	144
2025	81	16	97	99	117	145
2030	81	16	97	99	117	145
2035	81	16	97	99	117	146
2040	81	16	97	100	117	146
2044	81	16	97	100	118	146

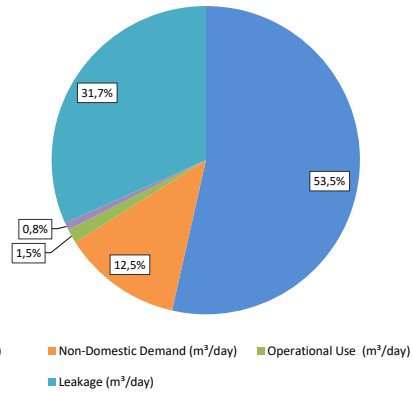
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001077	Kereen WTP	35	29	32	No Licence	46	22Hr	32	-	32	
TOTAL		35	29	32	-	46		32	-	32	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WAFU (m ³ /day)
2019	29	29	32	35	67	69	83	109	32	32
2025	29	29	32	35	68	70	84	110	32	32
2030	29	29	32	35	68	70	85	110	32	32
2035	29	29	32	35	68	70	85	111	32	32
2040	29	29	32	35	68	70	85	111	32	32
2044	29	29	32	35	68	70	86	111	32	32

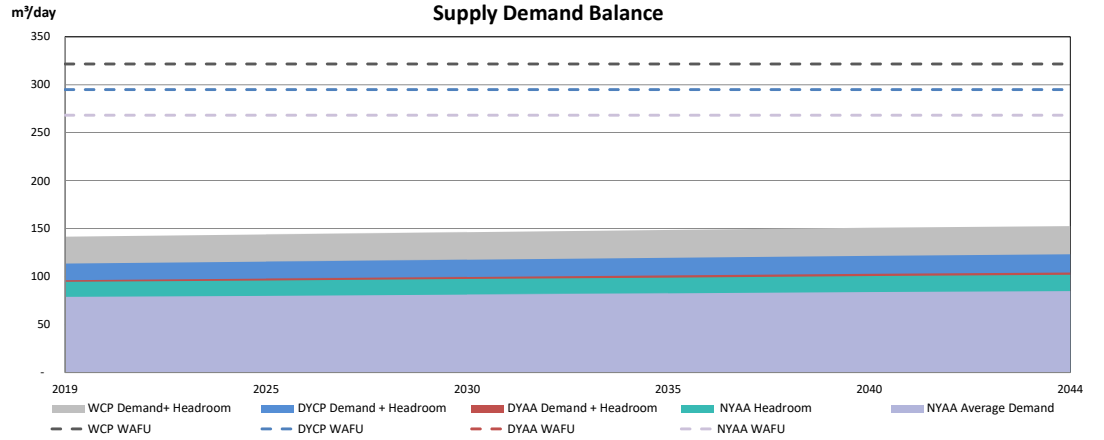
WRZ CODE	3100SC0016	WRZ Name	Villierstown	Study Area	J	Study Group		Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	42
Non-Domestic Demand (m ³ /day)	10
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	25
Demand (m³/day)	79

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	79	16	95	96	114	142
2025	80	16	96	98	115	144
2030	81	16	97	100	117	146
2035	83	17	99	101	120	149
2040	84	17	101	103	122	151
2044	85	17	102	104	123	153

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000057	Villierstown WTP	322	268	295	No Licence	299	22Hr	295	-	295	
TOTAL											
		322	268	295	-	299		295	-	295	

WAFU

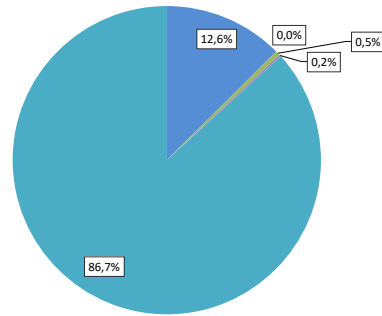
Supply Demand Balance

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	268	268	295	322	174	172	182	180
2025	268	268	295	322	172	170	180	178
2030	268	268	295	322	171	169	178	176
2035	268	268	295	322	169	167	176	173
2040	268	268	295	322	168	165	174	171
2044	268	268	295	322	166	164	172	169

WRZ CODE	3100SC0017	WRZ Name	Camphire	Study Area	J	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	16
Demand (m³/day)	19

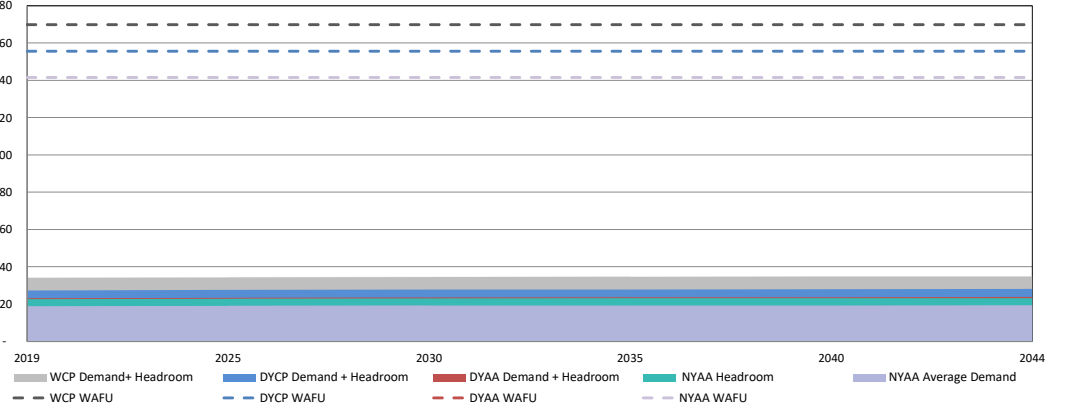
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	19	4	23	23	27	34
2025	19	4	23	23	28	34
2030	19	4	23	24	28	35
2035	19	4	23	24	28	35
2040	19	4	23	24	28	35
2044	19	4	23	24	28	35

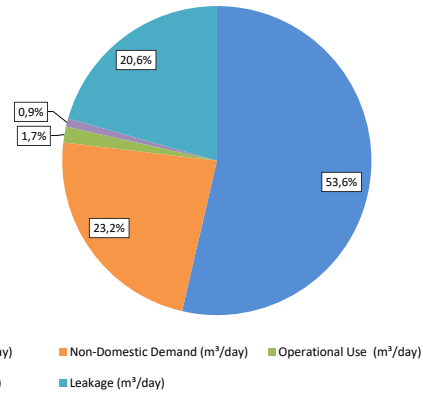
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000345	Camphire WTP	170	142	156	No Licence	163	22Hr	156	-	156	
TOTAL		170	142	156	-	163		156	-	156	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	142	142	156	170	119	118	128	136
2025	142	142	156	170	119	118	128	136
2030	142	142	156	170	119	118	128	135
2035	142	142	156	170	119	118	128	135
2040	142	142	156	170	118	118	128	135
2044	142	142	156	170	118	118	128	135

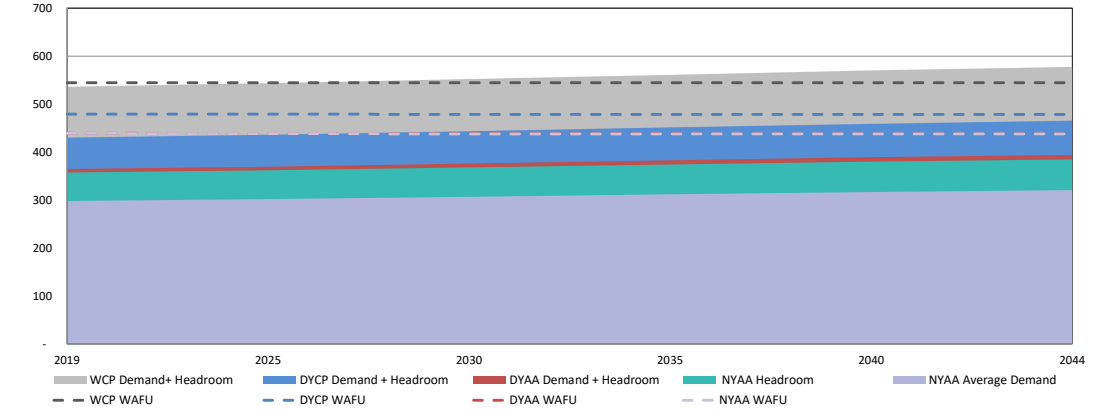
WRZ CODE	3100SC0020	WRZ Name	Kilmore-Kilbeg / Tallow	Study Area	J	Study Group		Local Authority	Waterford
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Base Demand in	2019
Domestic Demand (m ³ /day)	160
Non-Domestic Demand (m ³ /day)	69
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	61
Demand (m³/day)	298

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	298	60	358	364	430	537
2025	302	60	362	370	436	543
2030	307	61	368	376	444	552
2035	312	62	374	383	451	561
2040	317	63	380	389	459	570
2044	321	64	385	394	465	577

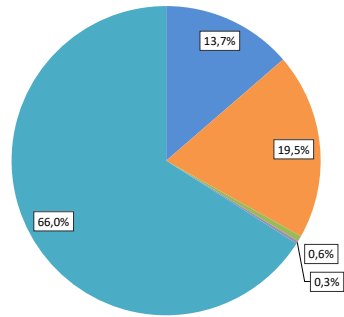
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000264	Ballymoate Upper WTP	59	49	54	No Licence	34	Yield	33	-	33	
WTP0000727	Tallow Hill WTP	90	75	83	No Licence	86	22Hr	83	-	83	
WTP0000728	Tallow WTP	396	330	363	No Licence	372	22Hr	363	-	363	
TOTAL		545	454	500	-	492		479	-	479	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	439	439	480	545	82	75	50	8				
2025	439	439	479	545	76	69	43	2				
2030	438	438	479	545	70	62	35	7				
2035	438	438	479	545	64	56	27	16				
2040	438	438	479	545	58	49	20	25				
2044	438	438	479	545	53	44	13	32				

WRZ CODE	3100SC0024	WRZ Name	Ballysaggart / Carrignagower	Study Area	K	Study Group		Local Authority	Waterford
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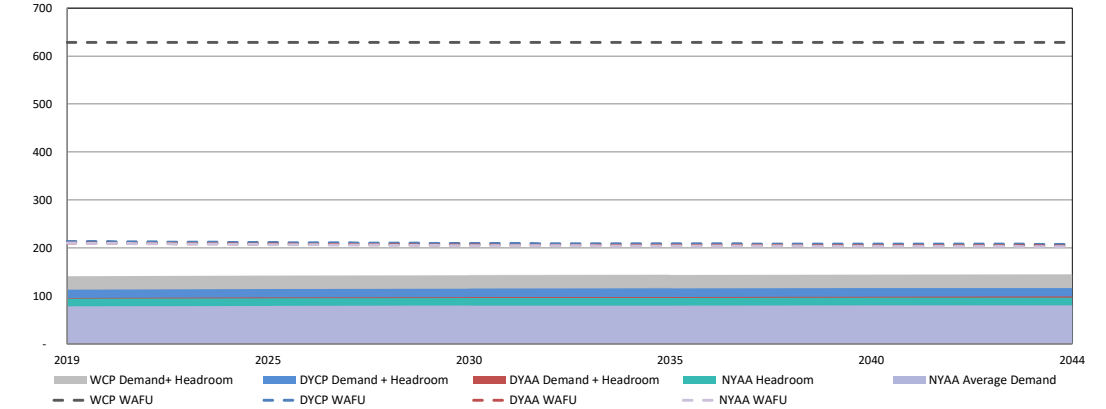
Base Demand in	2019
Domestic Demand (m³/day)	11
Non-Domestic Demand (m³/day)	15
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	52
Demand (m³/day)	78

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	78	16	94	96	113	141
2025	79	16	95	97	114	143
2030	80	16	95	97	115	143
2035	80	16	96	98	116	144
2040	80	16	96	99	116	144
2044	80	16	97	99	117	145

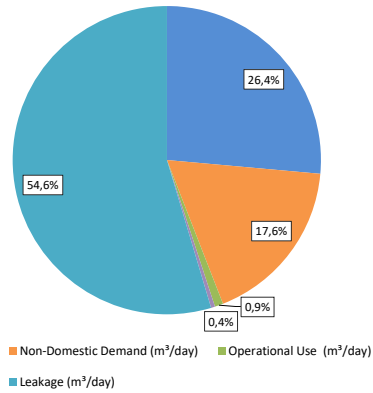
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000350	Carrignagower WTP	40	33	37	No Licence	115	22Hr	37	-	37	
WTP1000064	Monatarriff WTP	120	100	110	No Licence	19	Yield	19	-	19	
WTP0000278	Ballysaggart WTP	469	391	430	No Licence	154	Yield	152	-	152	
TOTAL		629	524	577	-	288		208	-	208	

Year	WAFU				Supply Demand Balance						
	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)
2019	210	211	214	629	116	115	101	488			
2025	208	208	212	629	113	111	97	486			
2030	205	206	210	629	110	109	95	486			
2035	205	206	209	629	109	108	93	485			
2040	204	205	209	629	108	107	92	485			
2044	203	205	208	629	107	106	91	484			

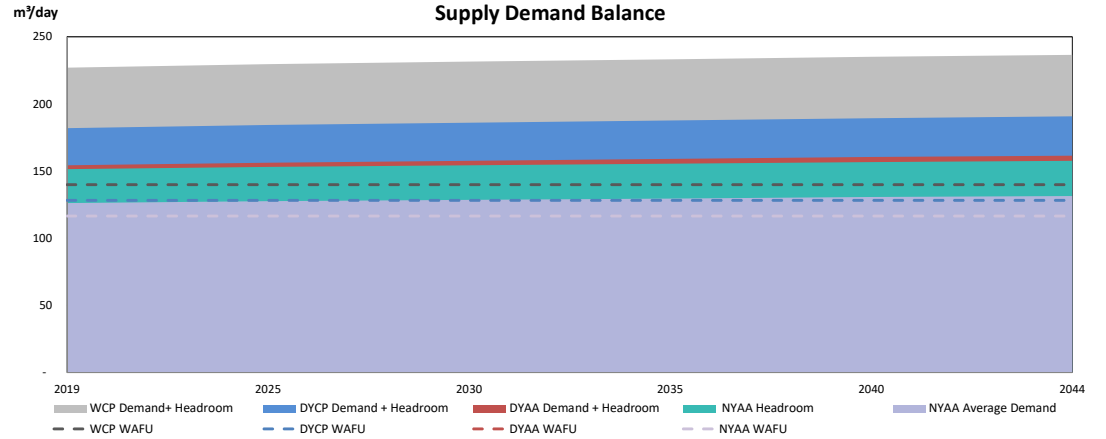
WRZ CODE	3100SC0027	WRZ Name	Boolaavoonteen / Kilcooney /	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	33
Non-Domestic Demand (m ³ /day)	22
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	69
Demand (m³/day)	126

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	126	25	151	154	182	227
2025	128	26	153	156	184	230
2030	129	26	154	158	186	231
2035	130	26	156	159	188	233
2040	131	26	157	161	189	235
2044	131	26	158	162	191	237

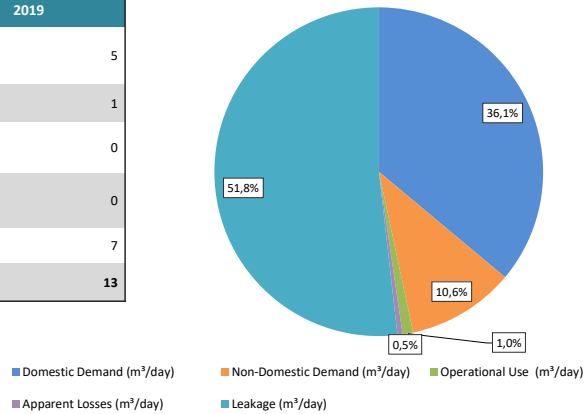
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001191	Touraneena WTP	140	117	128	No Licence	134	22Hr	128	-	128	
TOTAL		140	117	128	-	134		128	-	128	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)				
2019	117	117	128	140	-	35	-	38	-	54	-	87
2025	117	117	128	140	-	36	-	39	-	56	-	90
2030	117	117	128	140	-	38	-	41	-	58	-	91
2035	117	117	128	140	-	39	-	42	-	59	-	93
2040	117	117	128	140	-	40	-	44	-	61	-	95
2044	117	117	128	140	-	41	-	45	-	62	-	97

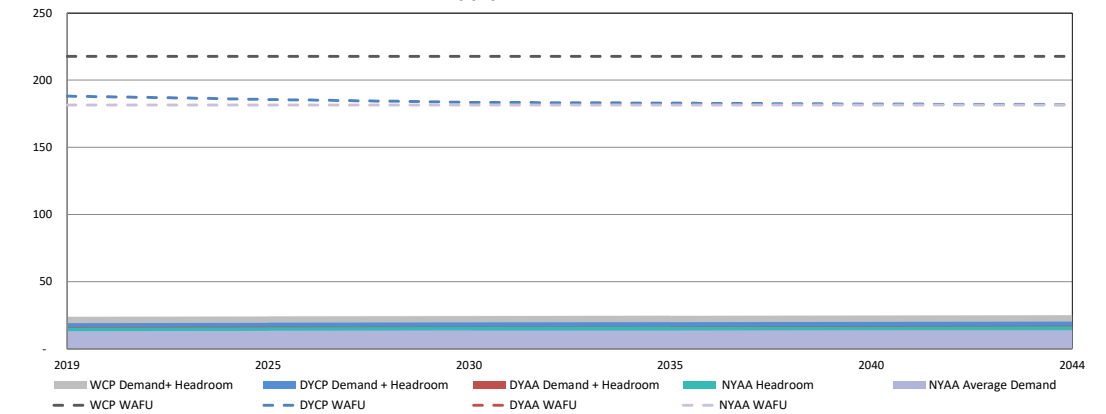
WRZ CODE	3100SC0030	WRZ Name	Carrowgarriff	Study Area	K	Study Group		Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	7
Demand (m³/day)	13

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	13	3	16	16	19	24
2025	13	3	16	16	19	24
2030	14	3	16	17	20	24
2035	14	3	16	17	20	25
2040	14	3	17	17	20	25
2044	14	3	17	17	20	25

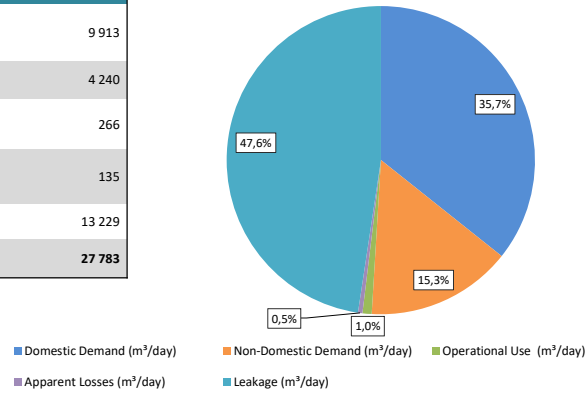
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000492	Carrowgarriff WTP	218	182	200	No Licence	184	Yield	182	-	182	
TOTAL		218	182	200	-	184		182	-	182	

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	182	182	188	218	166	165	169	194	182	182	188
2025	182	182	186	218	166	165	166	194	182	182	186
2030	182	182	184	218	165	165	164	194	182	182	184
2035	182	182	183	218	165	165	163	193	182	182	183
2040	182	182	183	218	165	165	162	193	182	182	183
2044	182	182	182	218	165	164	162	193	182	182	182

WRZ CODE	3100SC0033	WRZ Name	East Waterford Water Supply	Study Area	K	Study Group	Local Authority	Waterford
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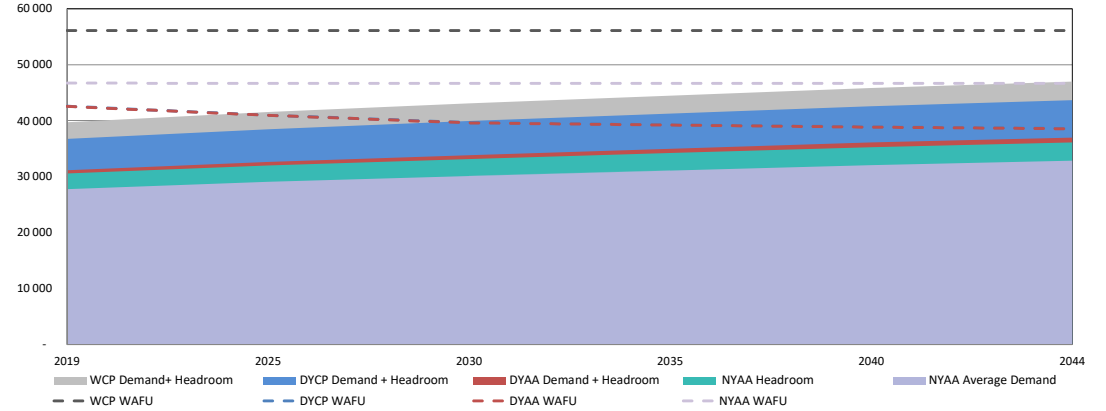
Base Demand in 2019	
Domestic Demand (m ³ /day)	9 913
Non-Domestic Demand (m ³ /day)	4 240
Operational Use (m ³ /day)	266
Apparent Losses (m ³ /day)	135
Leakage (m ³ /day)	13 229
Demand (m³/day)	27 783

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	27 783	2 778	30 561	31 134	36 736	39 730
2025	29 070	2 907	31 977	32 621	38 491	41 571
2030	30 136	3 014	33 150	33 857	39 950	43 095
2035	31 105	3 110	34 215	34 987	41 282	44 480
2040	32 073	3 207	35 281	36 121	42 612	45 865
2044	32 848	3 285	36 133	36 993	43 676	46 973

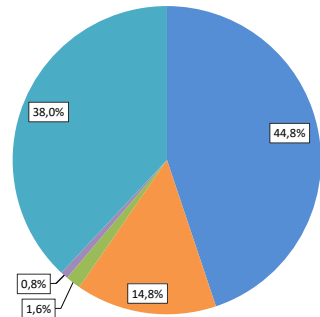
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000361	Carrigeen WTP	40	33	37	No Licence	38	22Hr	37	-	37	
WTP0000684	Ross/Kildermody WTP	66	55	61	No Licence	53	Yield	52	-	52	
WTP0000153	Ballyduff Kilmeaden WTP	450	375	413	No Licence	431	22Hr	413	-	413	
WTP0000692	Portlaw WTP 1	500	417	458	No Licence	291	Yield	288	-	288	Demand > Safe Production Capacity
WTP0001227	East Waterford (Adamstown)WTI	58 000	48 333	53 167	No Licence	43 062	Yield	39 832	1 992	37 841	
TOTAL		59 056	49 213	54 135	-	43 875		40 622	1 992	38 630	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	46 744	42 583	42 623	56 156	16 183	11 449	5 888	16 426
2025	46 737	40 983	41 023	56 156	14 760	8 361	2 532	14 585
2030	46 732	39 649	39 690	56 156	13 581	5 792	260	13 061
2035	46 730	39 249	39 290	56 156	12 515	4 262	1 992	11 676
2040	46 728	38 882	38 923	56 156	11 448	2 762	3 689	10 291
2044	46 727	38 589	38 630	56 156	10 594	1 596	5 046	9 183

WRZ CODE	3100SC0035	WRZ Name	Smoores	Study Area	K	Study Group	Local Authority	Waterford
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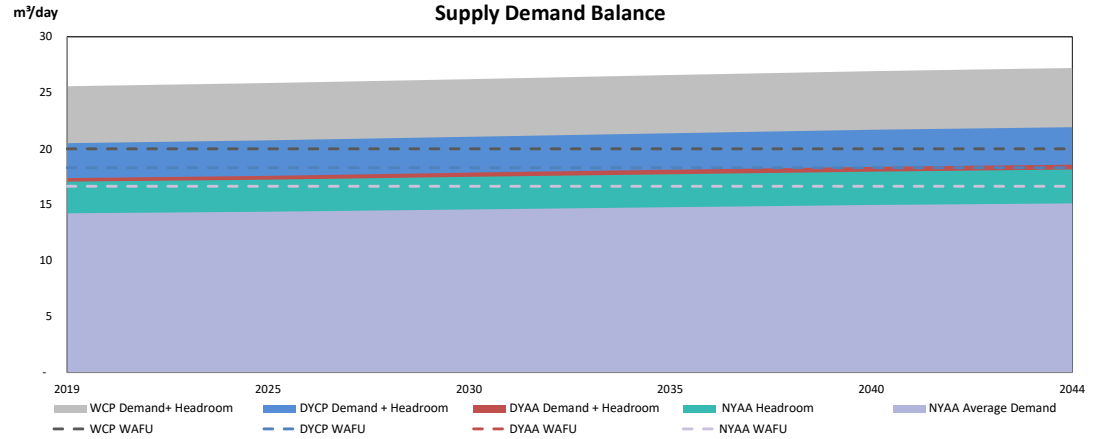
Base Demand in 2019	
Domestic Demand (m ³ /day)	6
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	5
Demand (m³/day)	14

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	14	3	17	17	21	26
2025	14	3	17	17	21	26
2030	15	3	17	18	21	26
2035	15	3	18	18	21	27
2040	15	3	18	18	22	27
2044	15	3	18	19	22	27

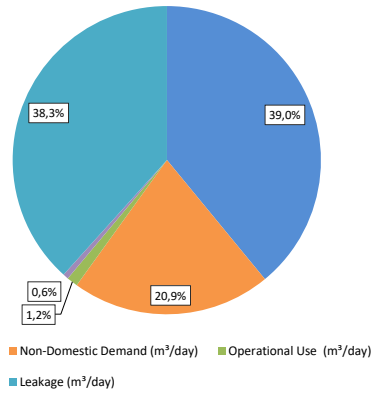
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000709	Smoorbeg WTP	20	17	18	No Licence	1 044	22Hr	18	-	18	
TOTAL		20	17	18	-	1 044		18	-	18	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	17	17	18	20	0	1	2	6
2025	17	17	18	20	1	1	2	6
2030	17	17	18	20	1	1	3	6
2035	17	17	18	20	1	1	3	7
2040	17	17	18	20	1	2	3	7
2044	17	17	18	20	1	2	4	7

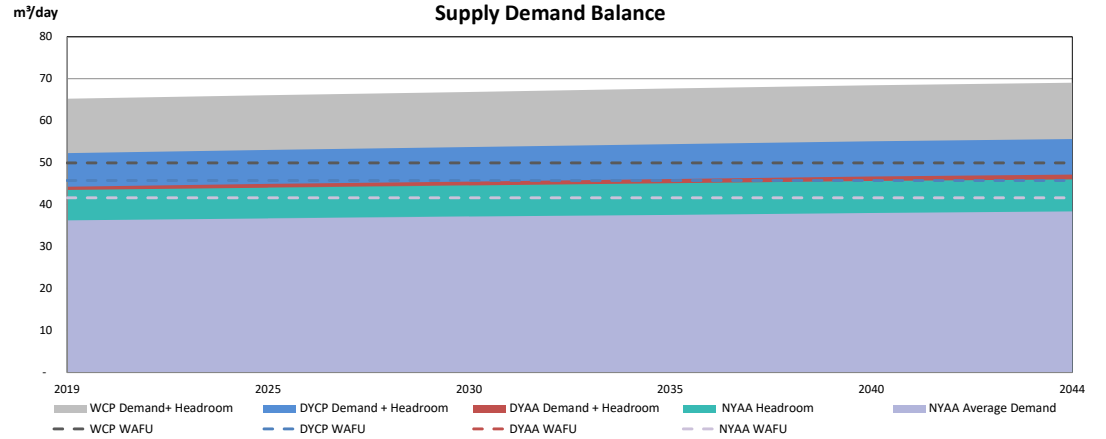
WRZ CODE	3100SC0042	WRZ Name	Faha	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	14
Non-Domestic Demand (m ³ /day)	8
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	14
Demand (m³/day)	36

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	36	7	43	44	52	65
2025	37	7	44	45	53	66
2030	37	7	45	46	54	67
2035	38	8	45	46	54	68
2040	38	8	46	47	55	68
2044	38	8	46	47	56	69

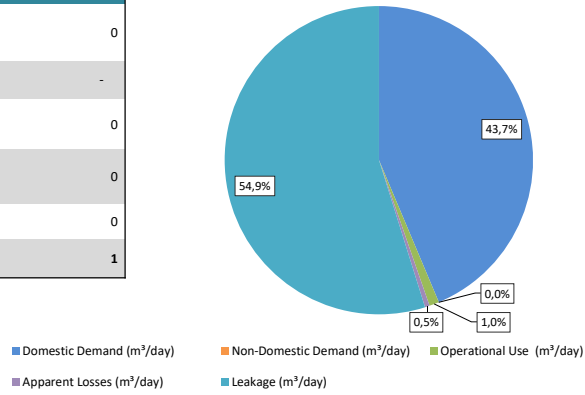
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000387	Faha WTP	50	42	46	No Licence	48	22Hr	46	-	46	
TOTAL		50	42	46	-	48		46	-	46	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)
2019	42	42	46	50	2	3	6	15	42
2025	42	42	46	50	2	3	7	16	42
2030	42	42	46	50	3	4	8	17	42
2035	42	42	46	50	3	4	9	18	42
2040	42	42	46	50	4	5	9	18	42
2044	42	42	46	50	4	5	10	19	42

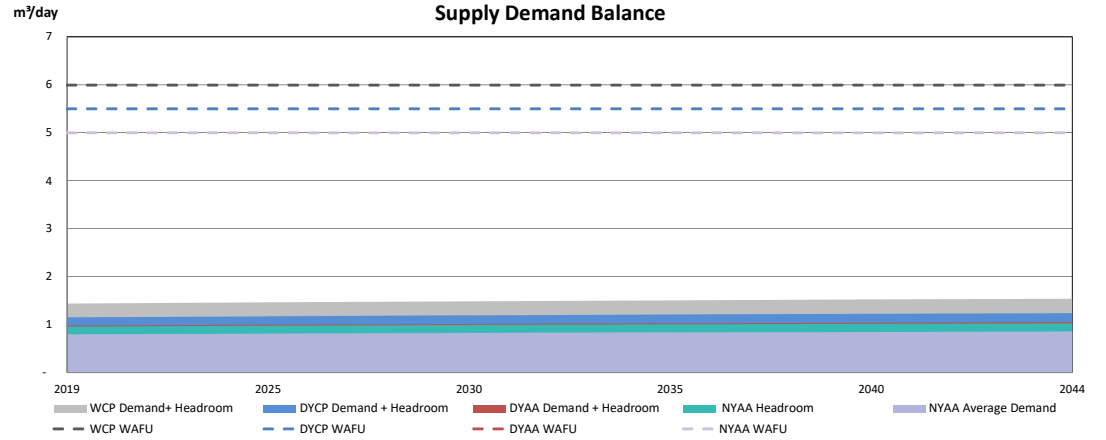
WRZ CODE	3100SC0044	WRZ Name	Garryahlish	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	0
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	0
Demand (m³/day)	1

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1	0	1	1	1	1
2025	1	0	1	1	1	1
2030	1	0	1	1	1	1
2035	1	0	1	1	1	2
2040	1	0	1	1	1	2
2044	1	0	1	1	1	2

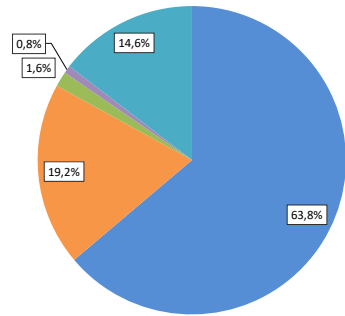
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000410	Garryahlish WTP	6	5	6	No Licence	32	22Hr	6	-	6	
TOTAL		6	5	6	-	32		6	-	6	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5	5	6	6	4	4	4	5
2025	5	5	6	6	4	4	4	5
2030	5	5	6	6	4	4	4	5
2035	5	5	6	6	4	4	4	4
2040	5	5	6	6	4	4	4	4
2044	5	5	6	6	4	4	4	4

WRZ CODE	3100SC0045	WRZ Name	Comeragh	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	28
Non-Domestic Demand (m ³ /day)	8
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	6
Demand (m³/day)	44

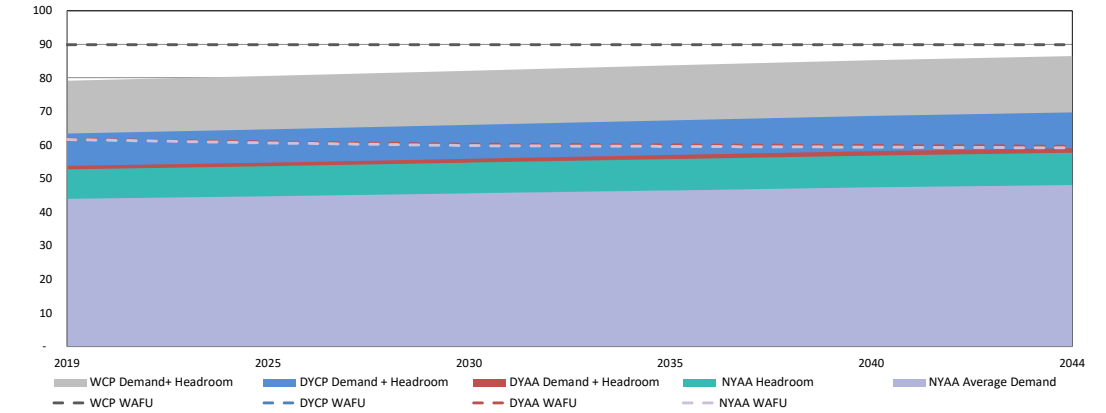
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	44	9	53	54	63	79
2025	45	9	54	55	65	81
2030	46	9	55	56	66	82
2035	47	9	56	57	67	84
2040	47	9	57	58	69	85
2044	48	10	58	59	70	87

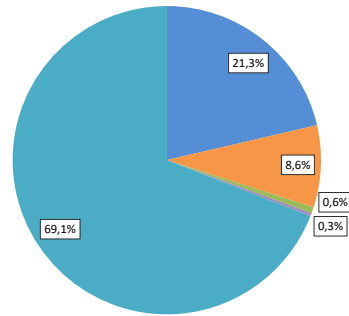
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001073	Fews WTP	90	75	83	No Licence	60	Yield	60	-	60	Issue Capacity / Yield (Unknown)
TOTAL		90	75	83	-	60		60	-	60	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	62	62	62	90	9	8	2	11
2025	61	61	61	90	7	6	4	9
2030	60	60	60	90	5	4	6	8
2035	60	60	60	90	4	3	7	6
2040	59	60	60	90	3	2	9	5
2044	59	60	60	90	2	1	10	3

WRZ CODE	3100SC0051	WRZ Name	Ballyguiry	Study Area	K	Study Group	Local Authority	Waterford
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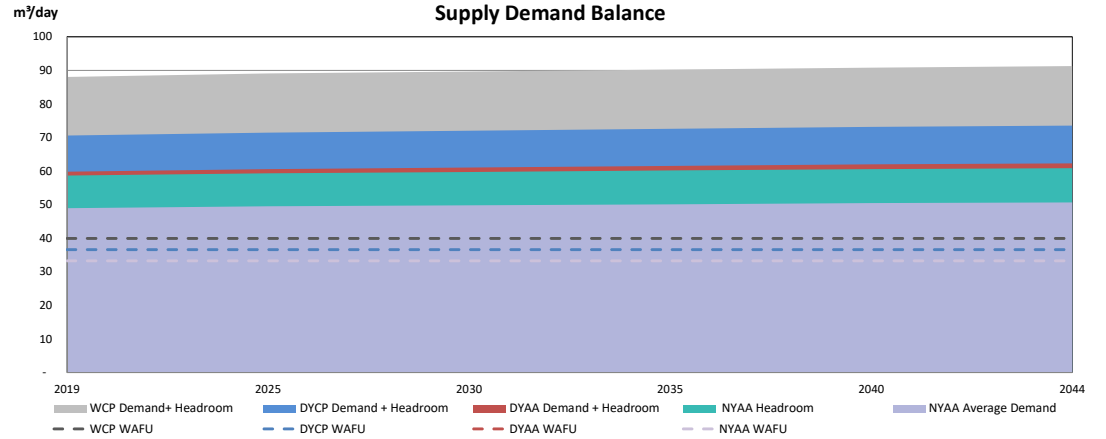
Base Demand in 2019	
Domestic Demand (m ³ /day)	10
Non-Domestic Demand (m ³ /day)	4
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	34
Demand (m³/day)	49

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	49	10	59	60	71	88
2025	49	10	59	61	71	89
2030	50	10	60	61	72	90
2035	50	10	60	62	73	90
2040	50	10	61	62	73	91
2044	51	10	61	62	74	91

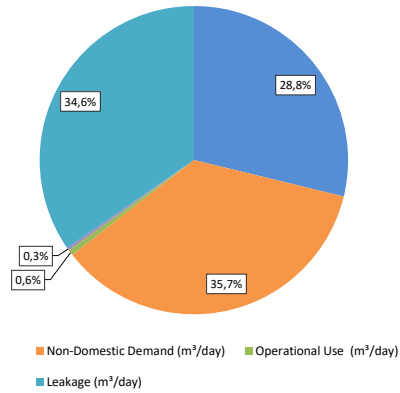
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000239	BallyguiryWTP	40	33	37	No Licence	77	22Hr	37	-	37	
TOTAL		40	33	37	-	77		37	-	37	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	33	33	37	40	25	26	34	48
2025	33	33	37	40	26	27	35	49
2030	33	33	37	40	26	28	35	50
2035	33	33	37	40	27	28	36	50
2040	33	33	37	40	27	29	36	51
2044	33	33	37	40	28	29	37	51

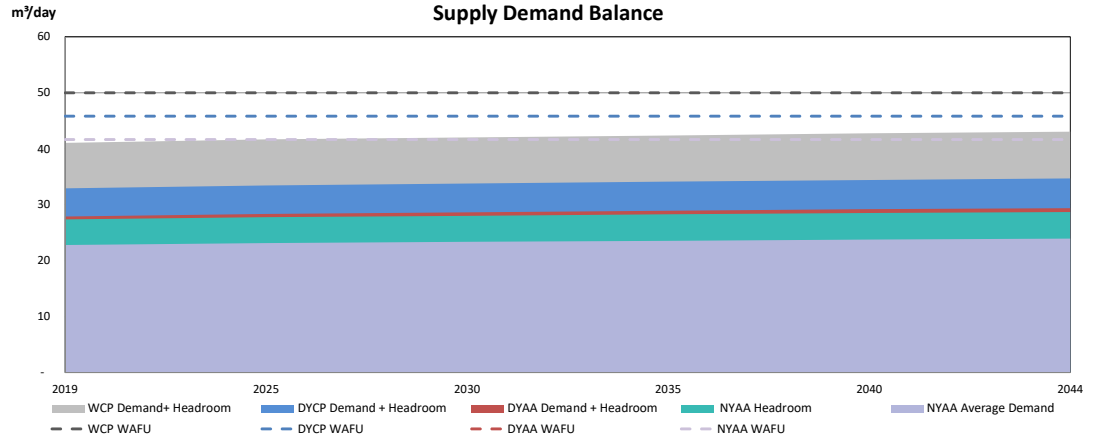
WRZ CODE	3100SC0052	WRZ Name	Ballyheaphy	Study Area	J	Study Group		Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	7
Non-Domestic Demand (m ³ /day)	8
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	8
Demand (m³/day)	23

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	23	5	27	28	33	41
2025	23	5	28	28	33	42
2030	23	5	28	29	34	42
2035	24	5	28	29	34	42
2040	24	5	29	29	34	43
2044	24	5	29	29	35	43

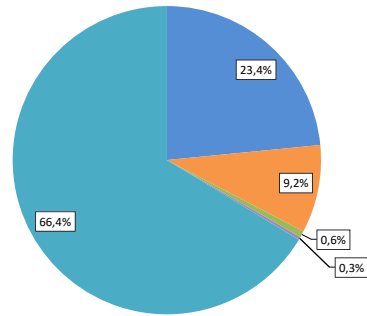
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000241	Ballyheaphy WTP	50	42	46	No Licence	48	22Hr	46	-	46	
TOTAL		50	42	46	-	48		46	-	46	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	42	42	46	50	14	14	13	9
2025	42	42	46	50	14	13	12	8
2030	42	42	46	50	14	13	12	8
2035	42	42	46	50	13	13	12	8
2040	42	42	46	50	13	12	11	7
2044	42	42	46	50	13	12	11	7

WRZ CODE	3100SC0053	WRZ Name	Inchinleamy	Study Area	K	Study Group	Local Authority	Waterford
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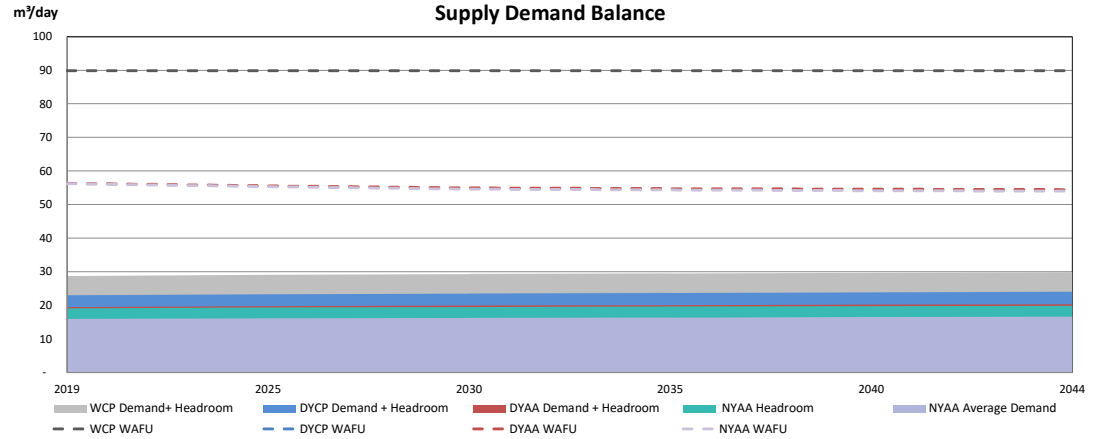
Base Demand in 2019	
Domestic Demand (m ³ /day)	4
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	11
Demand (m³/day)	16

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	16	3	19	20	23	29
2025	16	3	19	20	23	29
2030	16	3	20	20	24	29
2035	16	3	20	20	24	29
2040	17	3	20	20	24	30
2044	17	3	20	20	24	30

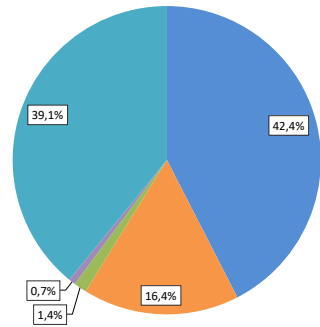
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000532	Inchinleamy WTP	90	75	83	No Licence	55	Yield	55	-	55	
TOTAL		90	75	83	-	55		55	-	55	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	56	56	56	90	37	37	33	61
2025	55	56	56	90	36	36	32	61
2030	55	55	55	90	35	35	31	61
2035	54	55	55	90	35	35	31	61
2040	54	55	55	90	34	34	31	60
2044	54	55	55	90	34	34	30	60

WRZ CODE	3100SC0054	WRZ Name	Ballymacarbry	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	81
Non-Domestic Demand (m ³ /day)	31
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	75
Demand (m³/day)	191

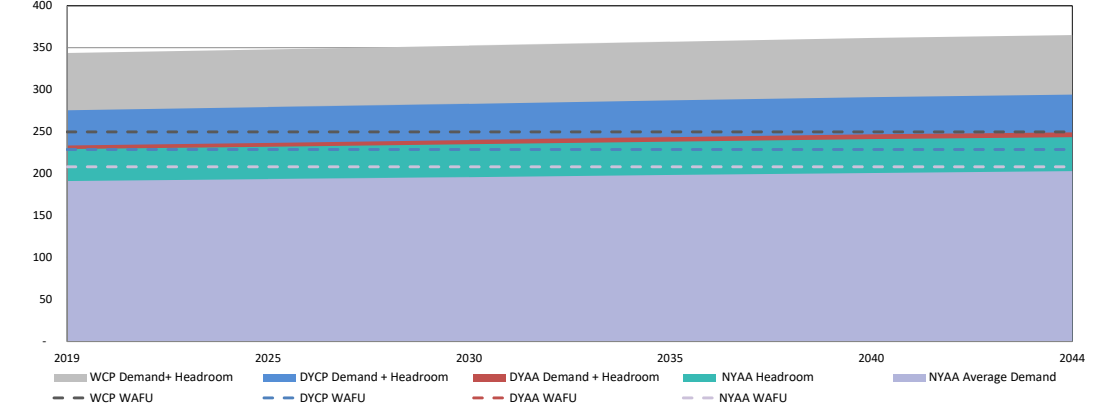
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	191	38	229	234	276	344
2025	193	39	232	237	279	348
2030	196	39	235	240	283	353
2035	198	40	238	243	287	357
2040	201	40	241	247	291	362
2044	203	41	243	249	294	365

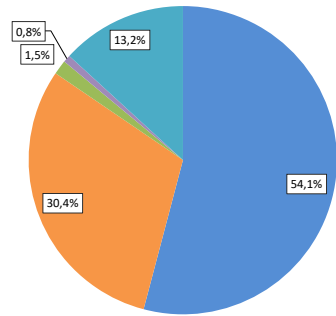
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000277	Ballyrohan WTP	250	208	229	No Licence	239	22Hr	229	-	229	
TOTAL		250	208	229	-	239		229	-	229	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU (m ³ /day)
2019	208	208	229	250	21	25	46	94	38	208
2025	208	208	229	250	24	28	50	98	39	208
2030	208	208	229	250	27	32	54	103	39	208
2035	208	208	229	250	30	35	58	107	40	208
2040	208	208	229	250	33	38	62	112	40	208
2044	208	208	229	250	35	41	65	115	41	208

WRZ CODE	3100SC0077	WRZ Name	Ballynoe / Melleray	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	28
Non-Domestic Demand (m ³ /day)	16
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	7
Demand (m³/day)	53

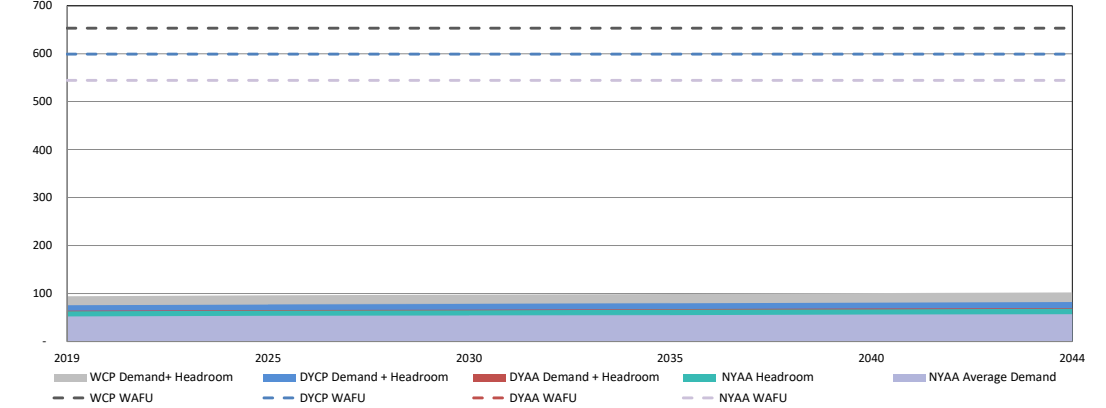
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	53	11	63	64	76	95
2025	53	11	64	65	77	96
2030	54	11	65	67	78	98
2035	55	11	66	68	80	99
2040	56	11	67	69	81	101
2044	57	11	68	70	82	102

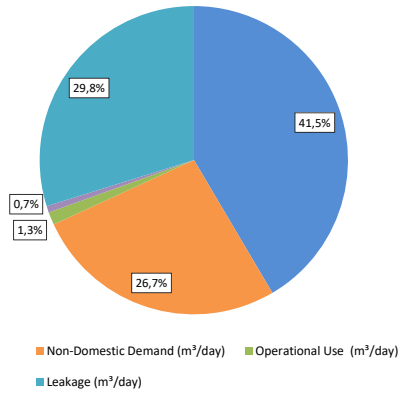
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000162	Melleray WTP	654	545	600	No Licence	623	22Hr	600	-	600	
TOTAL		654	545	600	-	623		600	-	600	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	545	545	600	654	482	481	524	559
2025	545	545	600	654	481	480	522	558
2030	545	545	600	654	480	478	521	556
2035	545	545	600	654	479	477	520	555
2040	545	545	600	654	478	476	518	553
2044	545	545	600	654	477	475	517	552

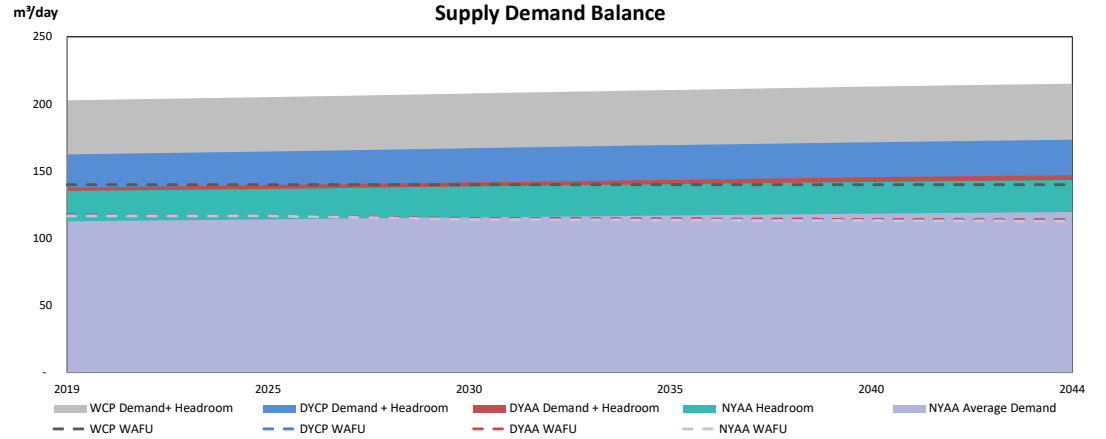
WRZ CODE	3100SC0079	WRZ Name	Adramone / Kilrossanty	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	47
Non-Domestic Demand (m ³ /day)	30
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	34
Demand (m³/day)	113

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	113	23	135	138	163	203
2025	114	23	137	140	165	205
2030	115	23	139	142	167	208
2035	117	23	140	143	169	210
2040	118	24	142	145	172	213
2044	120	24	143	147	173	215

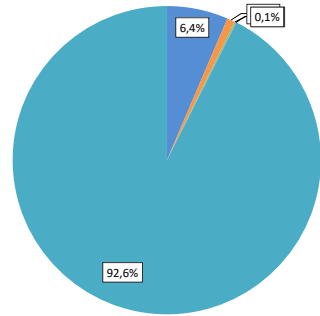
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001132	Kilrossanty WTP	140	117	128	No Licence	115	Yield	114	-	114	Issue Capacity / Yield (Unknown)
TOTAL		140	117	128	-	115		114	-	114	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WAFU (m ³ /day)
2019	117	117	118	140	19	21	45	63	115	114
2025	117	117	116	140	20	23	49	65	115	114
2030	114	115	115	140	24	27	52	68	115	114
2035	114	114	114	140	27	29	55	70	115	114
2040	113	114	114	140	29	31	57	73	115	114
2044	113	114	114	140	31	33	60	75	115	114

WRZ CODE	3100SC0081	WRZ Name	Moore's Well	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	11
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	163
Demand (m³/day)	176

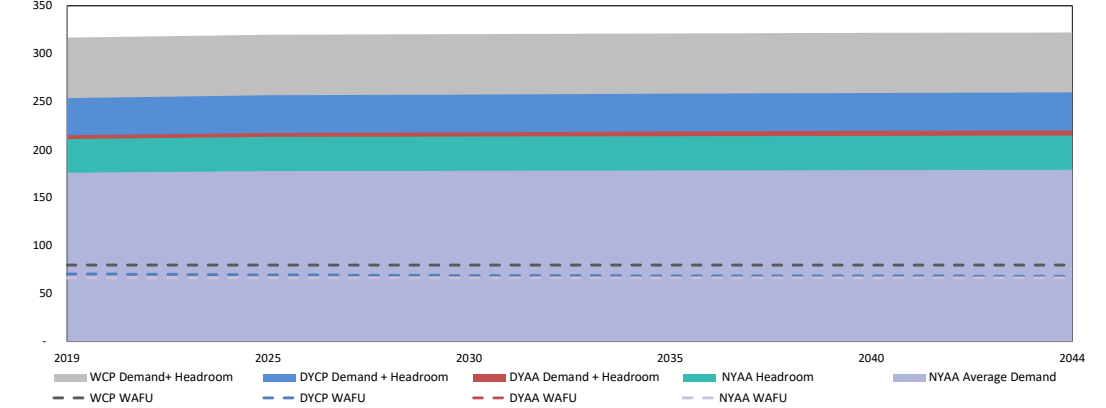
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	176	35	211	215	254	317
2025	178	36	213	218	257	320
2030	178	36	214	218	258	321
2035	178	36	214	219	258	321
2040	179	36	215	220	259	322
2044	179	36	215	220	260	322

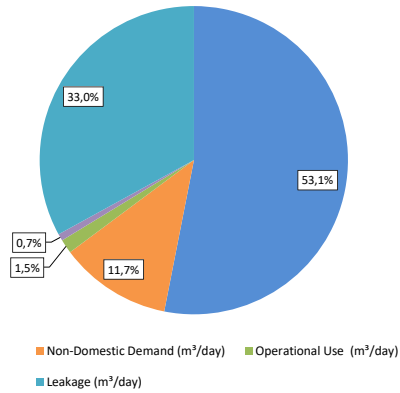
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000190	Moore's Well WTP	80	67	73	No Licence	69	Yield	68	-	68	
TOTAL		80	67	73	-	69		68	-	68	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WCP (m ³ /day)
2019	67	67	71	80	144	148	183	237	67	237
2025	67	67	70	80	147	151	187	240	67	240
2030	67	67	69	80	147	152	189	241	67	241
2035	67	67	69	80	147	152	190	241	67	241
2040	67	67	68	80	148	153	191	242	67	242
2044	67	67	68	80	148	153	191	242	67	242

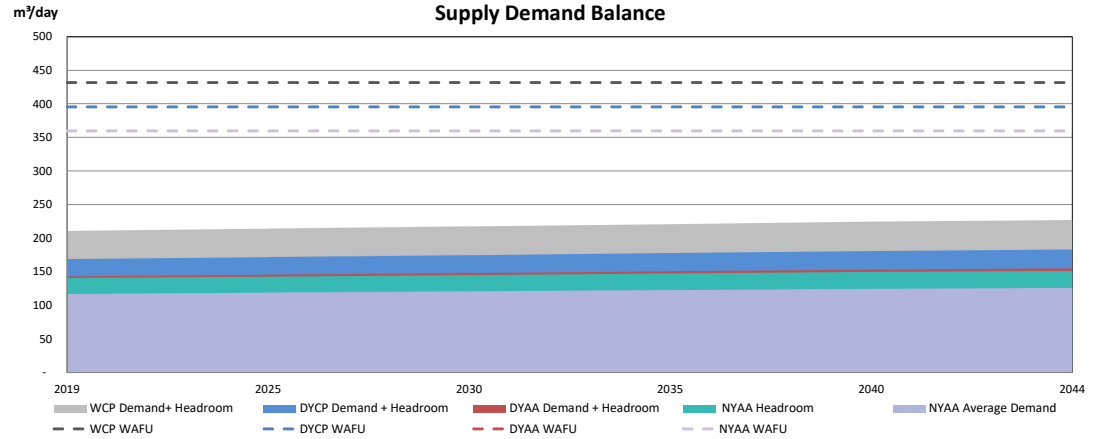
WRZ CODE	3100SC0082	WRZ Name	Aglish Cul Rua	Study Area	J	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	62
Non-Domestic Demand (m ³ /day)	14
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	39
Demand (m³/day)	117

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	117	23	141	143	169	211
2025	119	24	143	146	172	214
2030	121	24	145	148	175	218
2035	123	25	147	151	178	221
2040	125	25	150	153	181	225
2044	126	25	152	155	183	227

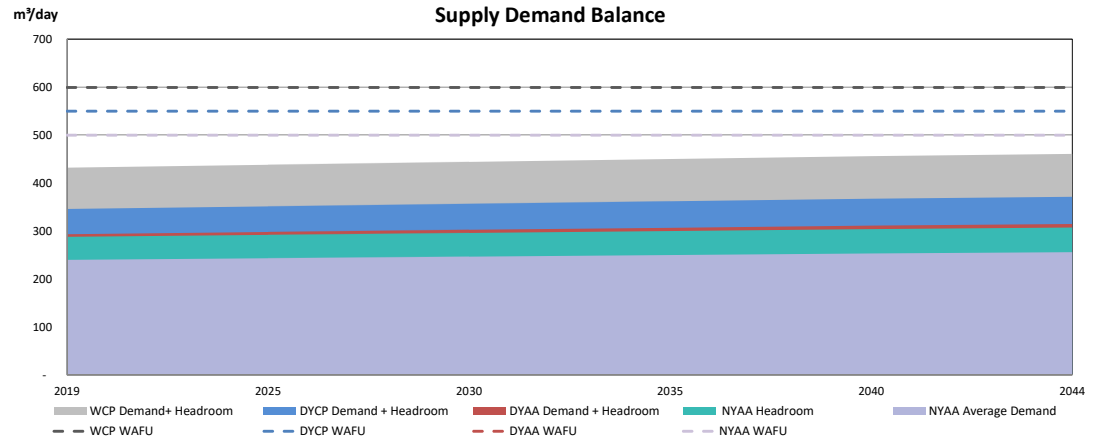
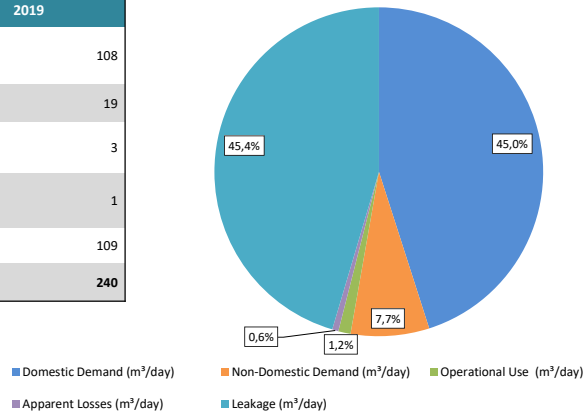
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001032	Aglish Cul Rua WTP	432	360	396	No Licence	414	22Hr	396	-	396	
TOTAL		432	360	396	-	414		396	-	396	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	360	360	396	432	219	217	227	221
2025	360	360	396	432	217	214	224	218
2030	360	360	396	432	215	212	221	214
2035	360	360	396	432	213	209	218	211
2040	360	360	396	432	210	207	215	207
2044	360	360	396	432	208	205	213	205

WRZ CODE	3100SC0083	WRZ Name	Stradbally	Study Area	K	Study Group		Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	108
Non-Domestic Demand (m ³ /day)	19
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	109
Demand (m³/day)	240

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	240	48	288	293	346	432
2025	243	49	292	298	352	438
2030	247	49	296	302	357	444
2035	250	50	300	307	362	450
2040	253	51	304	311	367	456
2044	256	51	307	315	372	461

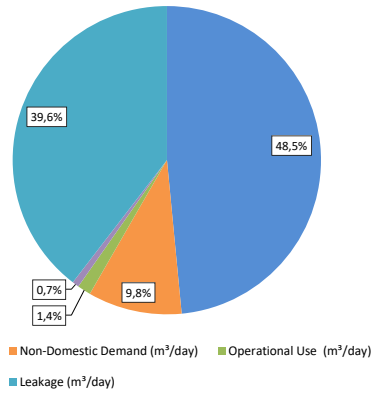
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000765	Stradbally WTP	600	500	550	No Licence	7 732	22Hr	550	-	550	
TOTAL		600	500	550	-	7 732		550	-	550	

Year	WAFU					Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	500	500	550	600	212	207	204	168		
2025	500	500	550	600	208	202	198	162		
2030	500	500	550	600	204	198	193	156		
2035	500	500	550	600	200	193	188	150		
2040	500	500	550	600	196	189	183	144		
2044	500	500	550	600	193	185	178	139		

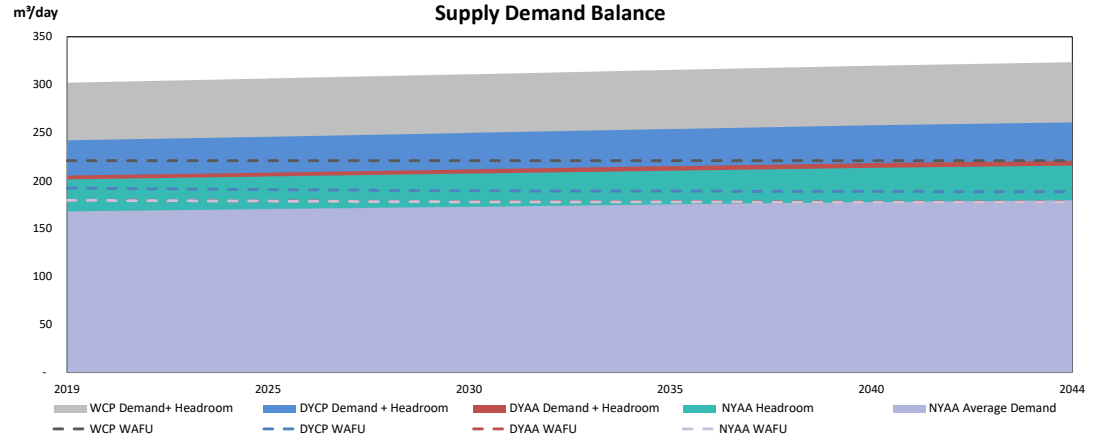
WRZ CODE	3100SC0084	WRZ Name	Ballycurrane / Clashmore /	Study Area	J	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	81
Non-Domestic Demand (m ³ /day)	17
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	66
Demand (m³/day)	168

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	168	34	202	205	242	302
2025	170	34	204	208	246	306
2030	173	35	207	212	250	311
2035	175	35	210	215	254	315
2040	178	36	213	218	258	320
2044	180	36	216	221	261	324

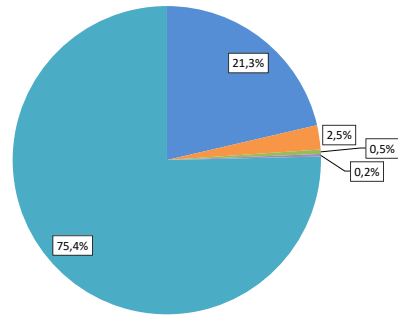
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000103	Ballycurrane WTP	59	49	54	No Licence	53	Yield	52	-	52	
WTP0000615	Coolboa WTP	70	58	64	No Licence	53	Yield	52	-	52	
WTP0000862	Clashmore White Well (Laurentur	92	77	84	No Licence	88	22Hr	84	-	84	
TOTAL		221	184	203	-	193		189	-	189	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	180	180	192	221	22	25	50	81	
2025	179	179	191	221	25	29	55	85	
2030	178	178	190	221	29	33	60	90	
2035	178	178	189	221	32	37	65	94	
2040	178	178	189	221	36	40	69	99	
2044	178	178	189	221	38	43	72	103	

WRZ CODE	3100SC0086	WRZ Name	Russelstown /Lyrenaleara	Study Area	K	Study Group	Local Authority	Waterford
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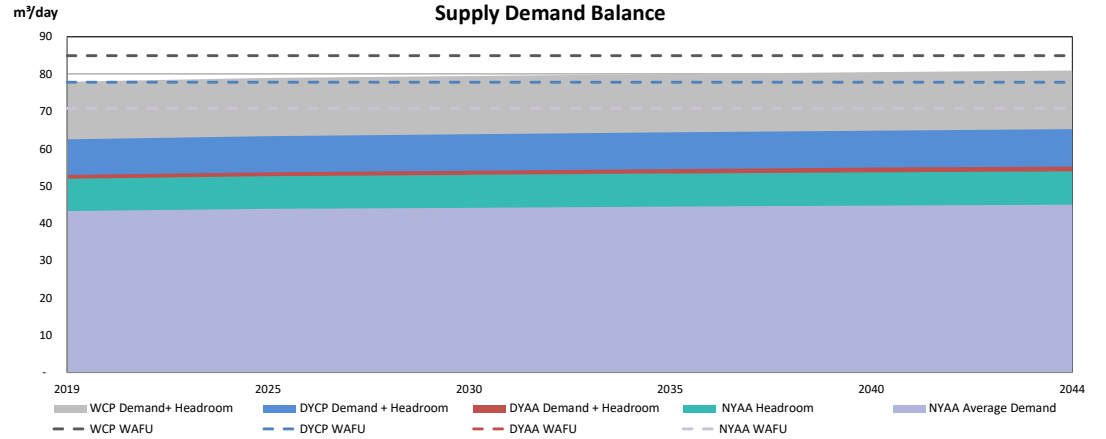
Base Demand in 2019	
Domestic Demand (m ³ /day)	9
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	33
Demand (m³/day)	43

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	43	9	52	53	62	78
2025	44	9	53	54	63	79
2030	44	9	53	54	64	79
2035	44	9	53	55	64	80
2040	45	9	54	55	65	81
2044	45	9	54	55	65	81

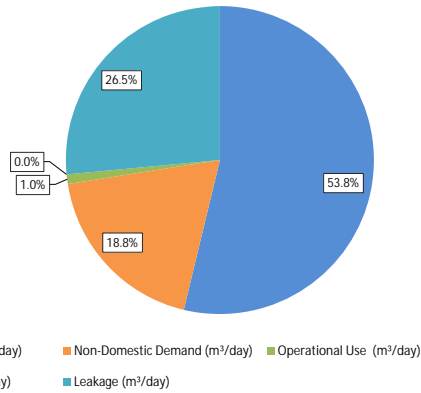
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000204	Lyrenaleara WTP	40	33	37	No Licence	46	22Hr	37	-	37	
WTP0000690	Russelstown WTP	45	38	41	No Licence	60	22Hr	41	-	41	
TOTAL		85	71	78	-	106		78	-	78	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	71	71	78	85	19	18	15	7
2025	71	71	78	85	18	17	15	6
2030	71	71	78	85	18	17	14	6
2035	71	71	78	85	17	16	14	5
2040	71	71	78	85	17	16	13	4
2044	71	71	78	85	17	16	13	4

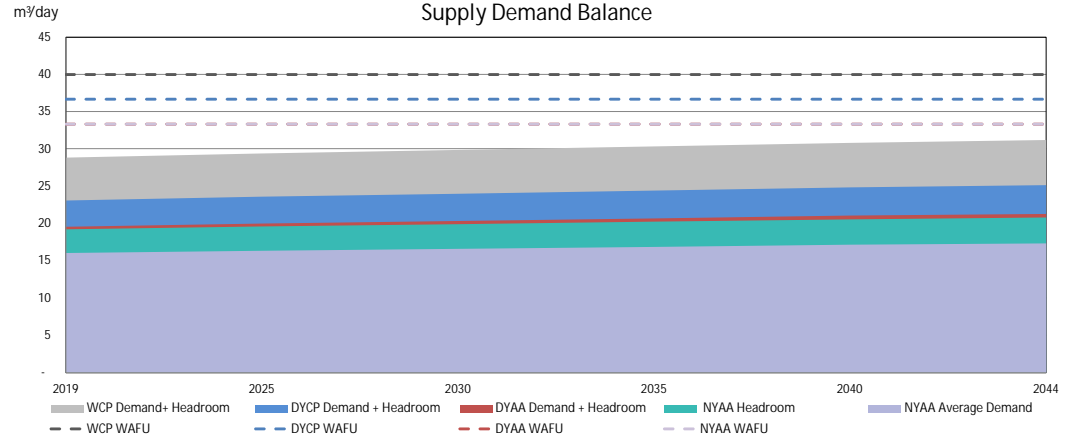
WRZ CODE	3100SC0087	WRZ Name	Glenagad	Study Area	0	Study Group		Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	9
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	4
Demand (m ³ /day)	16

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	16	3	19	20	23	29
2025	16	3	20	20	24	29
2030	17	3	20	20	24	30
2035	17	3	20	21	24	30
2040	17	3	21	21	25	31
2044	17	3	21	21	25	31

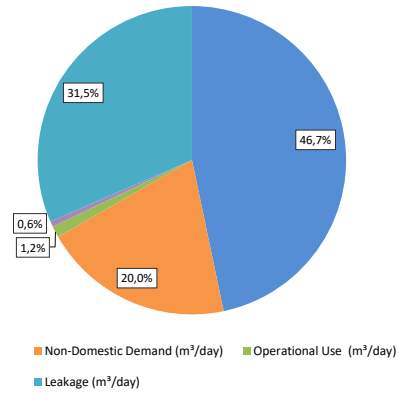
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000428	Glennagad WTP	40	33	37	No Licence	126	22Hr	37	-	37	
TOTAL											
		40	33	37	-	126		37	-	37	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	33	33	37	40	14	14	14	11
2025	33	33	37	40	14	13	13	11
2030	33	33	37	40	13	13	13	10
2035	33	33	37	40	13	13	12	10
2040	33	33	37	40	13	12	12	9
2044	33	33	37	40	13	12	12	9

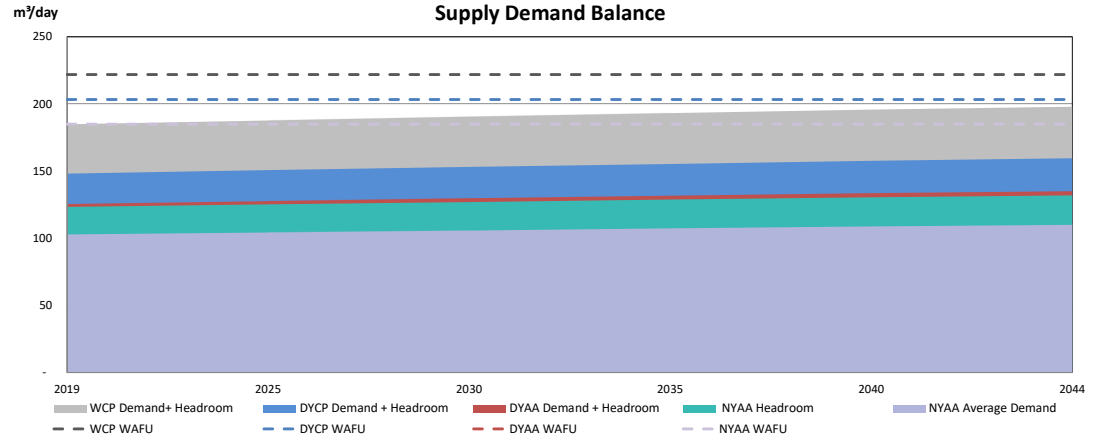
WRZ CODE	3100SC0089	WRZ Name	Rathgormack	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	48
Non-Domestic Demand (m ³ /day)	21
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	32
Demand (m³/day)	103

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	103	21	123	126	148	185
2025	104	21	125	128	151	188
2030	106	21	127	130	153	190
2035	107	21	129	132	155	193
2040	109	22	131	134	158	196
2044	110	22	132	135	160	198

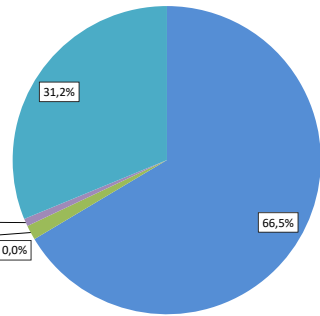
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000656	Rathgormack WTP	222	185	204	No Licence	213	22Hr	204	-	204	
TOTAL		222	185	204	-	213		204	-	204	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	185	185	204	222	62	59	55	37
2025	185	185	204	222	60	57	53	34
2030	185	185	204	222	58	55	50	32
2035	185	185	204	222	56	53	48	29
2040	185	185	204	222	54	51	46	26
2044	185	185	204	222	53	50	44	24

WRZ CODE	3100SC0091	WRZ Name	Dunhill	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	14
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	7
Demand (m³/day)	21

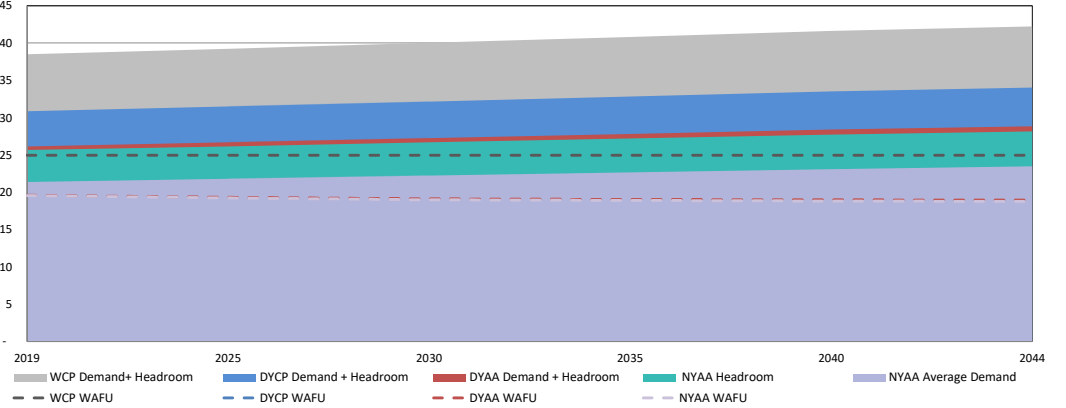
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	21	4	26	26	31	39
2025	22	4	26	27	31	39
2030	22	4	27	27	32	40
2035	23	5	27	28	33	41
2040	23	5	28	28	34	42
2044	23	5	28	29	34	42

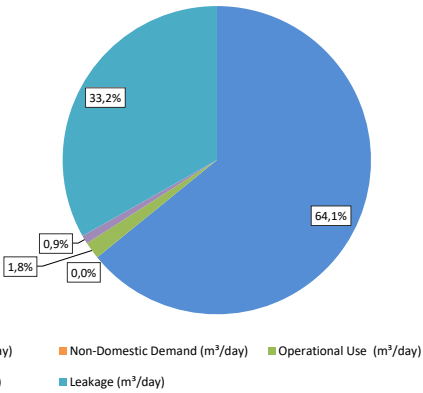
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000375	Dunhill Cois Coille WTP	25	21	23	No Licence	19	Yield	19	-	19	
TOTAL		25	21	23	-	19		19	-	19	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	20	20	20	25	6	7	11	14
2025	19	19	19	25	7	7	12	14
2030	19	19	19	25	8	8	13	15
2035	19	19	19	25	8	9	14	16
2040	19	19	19	25	9	9	15	17
2044	19	19	19	25	9	10	15	17

WRZ CODE	3100SC0092	WRZ Name	Dunhill Ballinageeragh	Study Area	K	Study Group	Local Authority	Waterford
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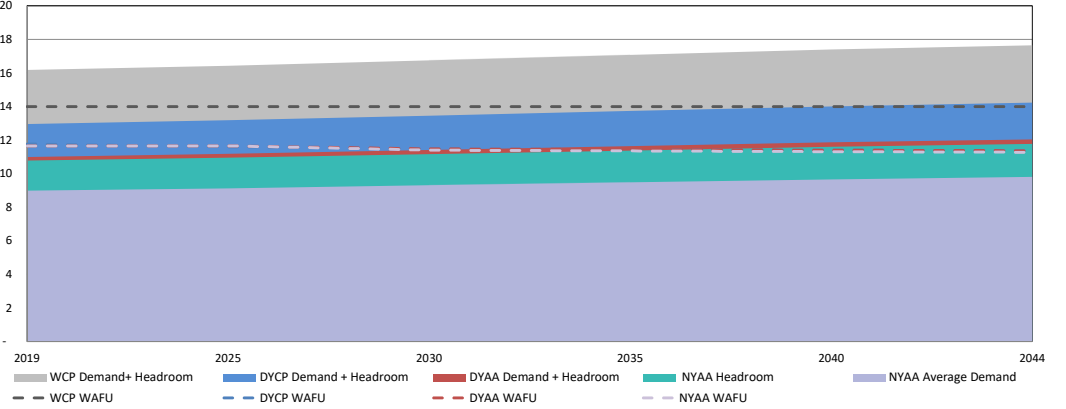
Base Demand in 2019	
Domestic Demand (m ³ /day)	6
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	3
Demand (m³/day)	9

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	9	2	11	11	13	16
2025	9	2	11	11	13	16
2030	9	2	11	11	13	17
2035	9	2	11	12	14	17
2040	10	2	12	12	14	17
2044	10	2	12	12	14	18

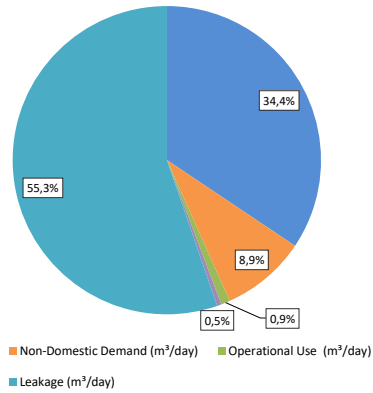
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000374	Dunhill Ballinageeragh WTP	14	12	13	No Licence	11	Yield	11	-	11	
TOTAL											
		14	12	13	-	11		11	-	11	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	12	12	12	14	1	1	-	2
2025	12	12	12	14	1	0	-	2
2030	11	11	11	14	0	0	-	3
2035	11	11	11	14	0	0	-	3
2040	11	11	11	14	0	0	-	3
2044	11	11	11	14	0	1	-	4

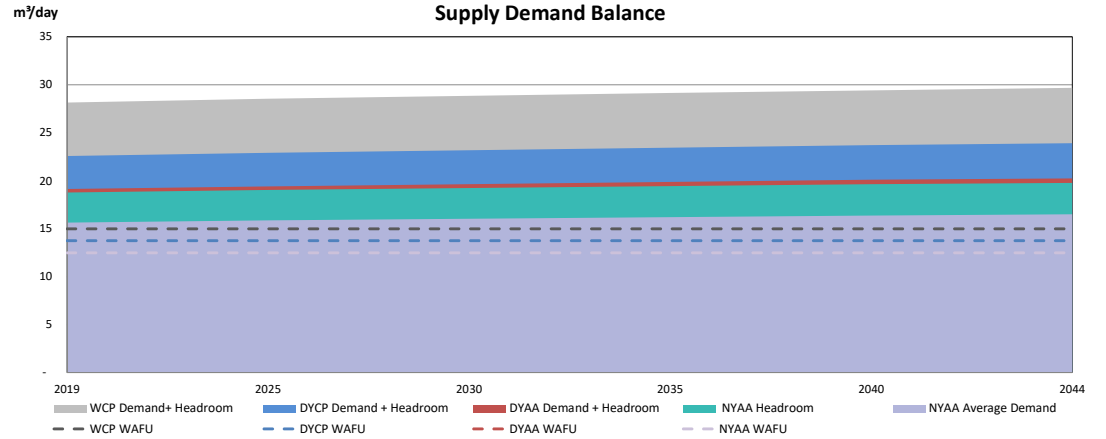
WRZ CODE	3100SC0093	WRZ Name	Graigenageeha	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	5
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	9
Demand (m³/day)	16

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	16	3	19	19	23	28
2025	16	3	19	19	23	29
2030	16	3	19	20	23	29
2035	16	3	19	20	23	29
2040	16	3	20	20	24	29
2044	16	3	20	20	24	30

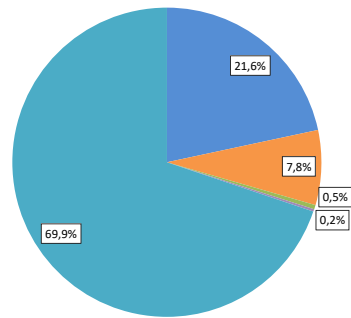
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000505	Graigenageeha WTP	15	13	14	No Licence	32	22Hr	14	-	14	Issue Capacity / Yield (Unknown)
TOTAL		15	13	14	-	32		14	-	14	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	13	13	14	15	6	7	9	13	
2025	13	13	14	15	7	7	9	14	
2030	13	13	14	15	7	7	9	14	
2035	13	13	14	15	7	7	10	14	
2040	13	13	14	15	7	8	10	14	
2044	13	13	14	15	7	8	10	15	

WRZ CODE	3100SC0094	WRZ Name	Kilnafrehan	Study Area	0	Study Group		Local Authority	Waterford
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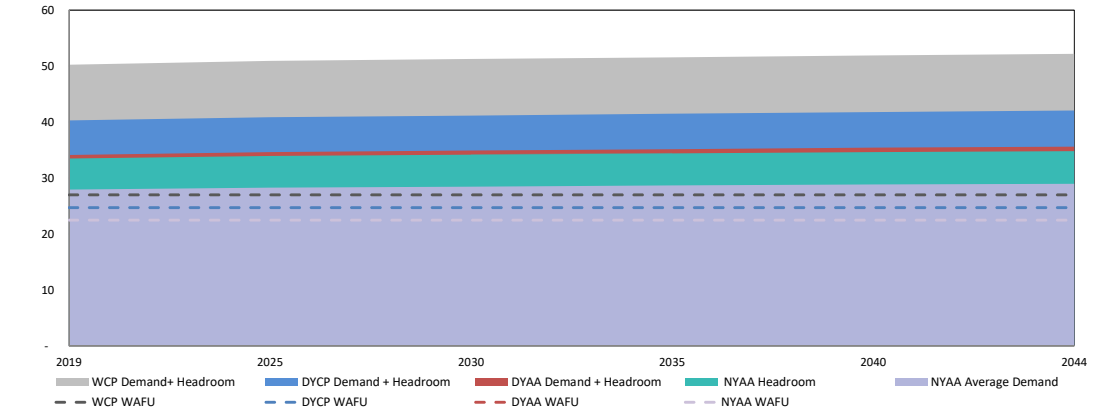
Base Demand in 2019	
Domestic Demand (m ³ /day)	6
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	20
Demand (m³/day)	28

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	28	6	34	34	40	50
2025	28	6	34	35	41	51
2030	28	6	34	35	41	51
2035	29	6	34	35	42	52
2040	29	6	35	35	42	52
2044	29	6	35	36	42	52

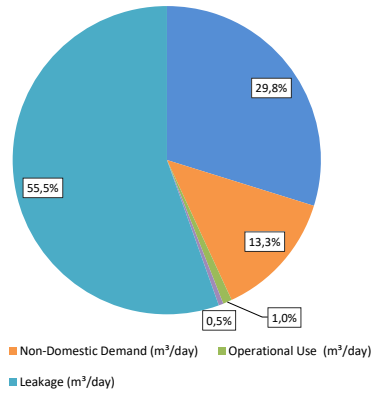
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001129	Kilnafrehan WTP	27	23	25	No Licence	96	22Hr	25	-	25	
TOTAL											
		27	23	25	-	96		25	-	25	

Year	WAFU					Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	23	23	25	27	11	12	12	16	11	12	12	16
2025	23	23	25	27	11	12	12	16	11	12	12	16
2030	23	23	25	27	12	12	12	16	12	12	12	16
2035	23	23	25	27	12	13	13	17	12	13	13	17
2040	23	23	25	27	12	13	13	17	12	13	13	17
2044	23	23	25	27	12	13	13	17	12	13	13	17

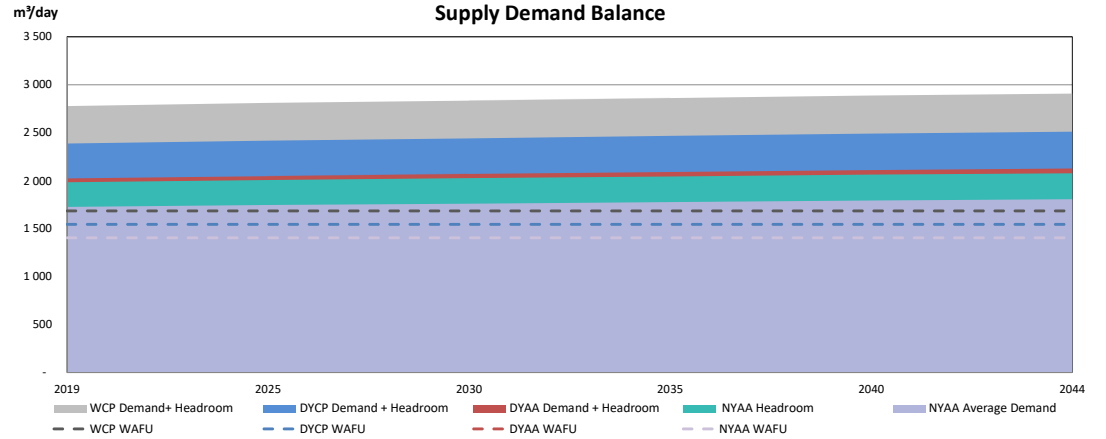
WRZ CODE	3100SC0095	WRZ Name	Lismore / Cappoquin /	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	514
Non-Domestic Demand (m ³ /day)	230
Operational Use (m ³ /day)	17
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	958
Demand (m³/day)	1 726

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 726	259	1 985	2 022	2 386	2 779
2025	1 746	262	2 008	2 048	2 417	2 811
2030	1 762	264	2 026	2 069	2 442	2 837
2035	1 778	267	2 044	2 091	2 467	2 862
2040	1 794	269	2 063	2 112	2 491	2 888
2044	1 806	271	2 077	2 127	2 511	2 908

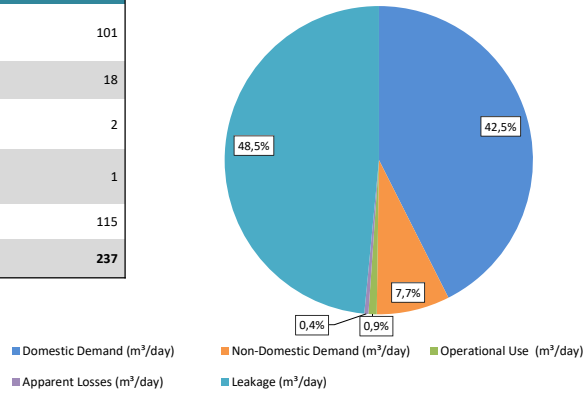
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001169	LCB Ballyduff WTP	136	113	125	No Licence	195	22Hr	125	-	125	
WTP0001171	LCB Cappoquin WTP	687	573	630	No Licence	658	22Hr	630	-	630	
WTP0001172	LCB Lismore Deerpark WTP	864	720	792	No Licence	828	22Hr	792	-	792	
TOTAL		1 687	1 406	1 546	-	1 681		1 546	-	1 546	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)				
2019	1 406	1 406	1 546	1 687	-	579	-	617	-	840	-	1 092
2025	1 406	1 406	1 546	1 687	-	602	-	642	-	870	-	1 124
2030	1 406	1 406	1 546	1 687	-	620	-	663	-	895	-	1 150
2035	1 406	1 406	1 546	1 687	-	639	-	685	-	920	-	1 175
2040	1 406	1 406	1 546	1 687	-	657	-	706	-	945	-	1 201
2044	1 406	1 406	1 546	1 687	-	672	-	721	-	965	-	1 221

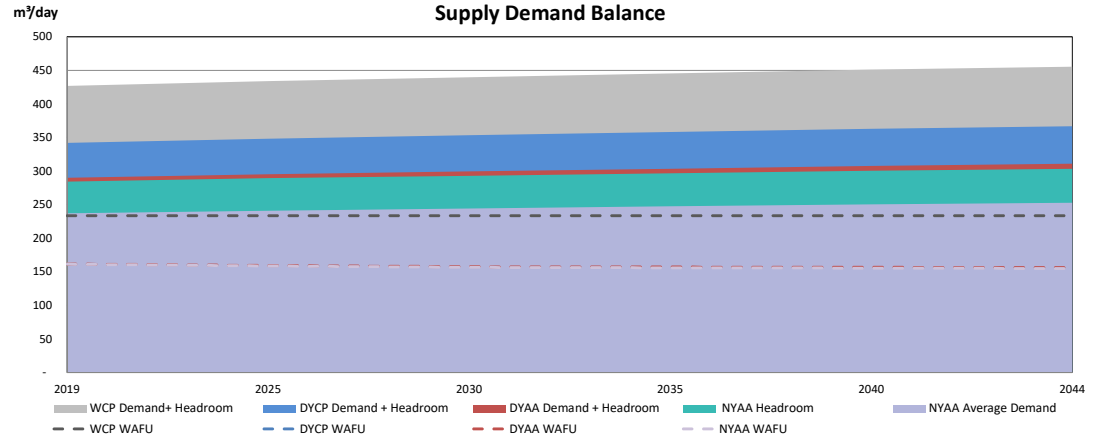
WRZ CODE	3100SC0097	WRZ Name	Ballygarty	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	101
Non-Domestic Demand (m ³ /day)	18
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	115
Demand (m³/day)	237

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	237	47	285	290	342	427
2025	241	48	289	295	348	434
2030	244	49	293	299	353	440
2035	247	49	297	304	358	445
2040	251	50	301	308	363	451
2044	253	51	304	311	367	455

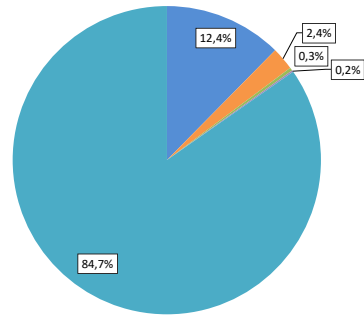
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000803	Ballygarty WTP	234	195	215	No Licence	158	Yield	156	-	156	
TOTAL		234	195	215	-	158		156	-	156	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	162	162	162	234	123	128	180	193	123	128	180	193
2025	159	160	160	234	130	136	189	200	130	136	189	200
2030	157	158	158	234	136	142	195	206	136	142	195	206
2035	156	157	157	234	141	146	201	211	141	146	201	211
2040	156	157	157	234	145	151	206	217	145	151	206	217
2044	155	156	156	234	148	154	211	221	148	154	211	221

WRZ CODE	3100SC0098	WRZ Name	Ballyshunnock	Study Area	K	Study Group	Local Authority	Waterford
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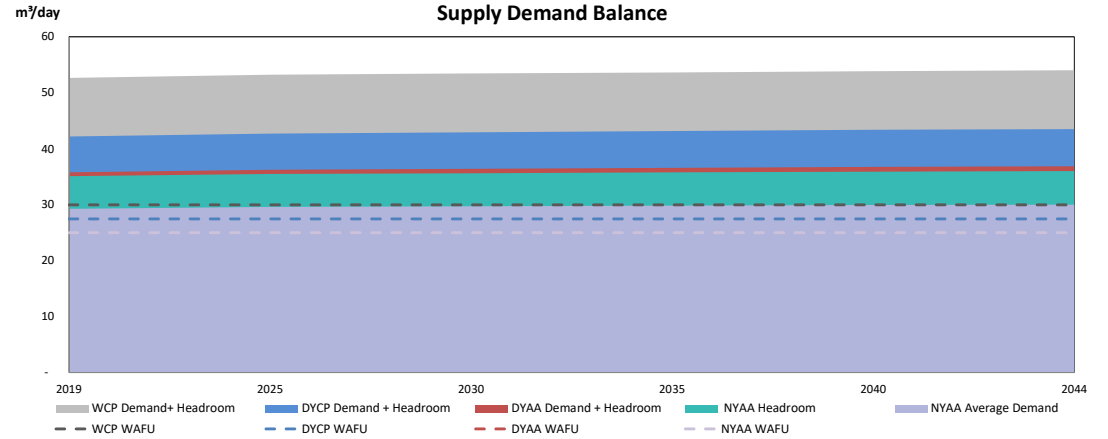
Base Demand in 2019	
Domestic Demand (m ³ /day)	4
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	25
Demand (m³/day)	29

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	29	6	35	36	42	53
2025	30	6	36	36	43	53
2030	30	6	36	36	43	53
2035	30	6	36	37	43	54
2040	30	6	36	37	43	54
2044	30	6	36	37	44	54

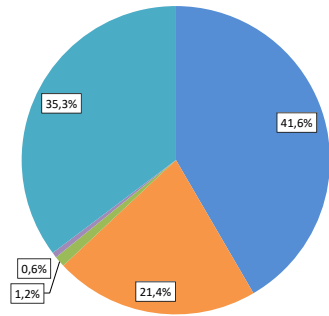
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000280	Ballyshunnock WTP	30	25	28	No Licence	52	22Hr	28	-	28	
TOTAL											
		30	25	28	-	52		28	-	28	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	25	25	28	30	10	11	15	23	10	11	15
2025	25	25	28	30	11	11	15	23	11	11	15
2030	25	25	28	30	11	11	15	23	11	11	15
2035	25	25	28	30	11	12	16	24	11	12	16
2040	25	25	28	30	11	12	16	24	11	12	16
2044	25	25	28	30	11	12	16	24	11	12	16

WRZ CODE	3100SC0099	WRZ Name	Kilmacthomas	Study Area	K	Study Group	Local Authority	Waterford
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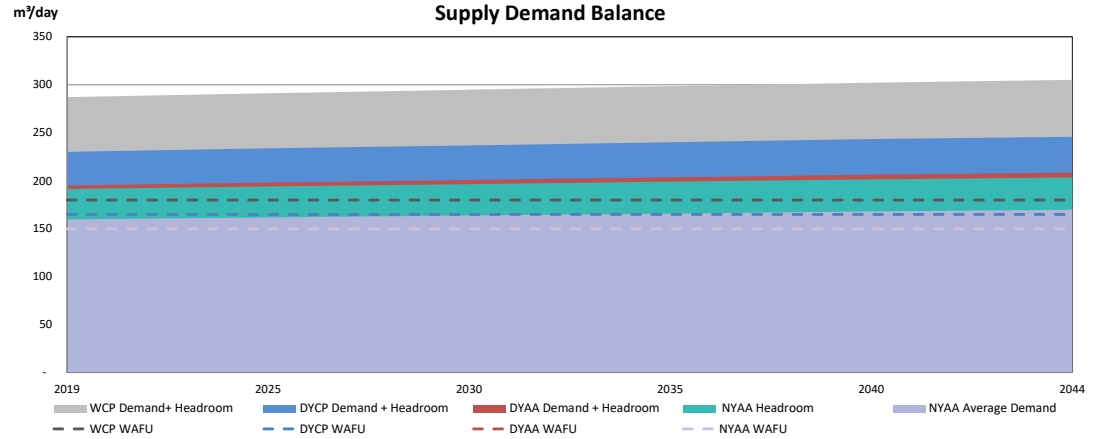
Base Demand in 2019	
Domestic Demand (m ³ /day)	66
Non-Domestic Demand (m ³ /day)	34
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	56
Demand (m³/day)	160

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	160	32	191	195	230	287
2025	162	32	194	198	234	291
2030	164	33	197	201	237	295
2035	166	33	199	203	240	299
2040	168	34	201	206	243	302
2044	170	34	203	208	246	305

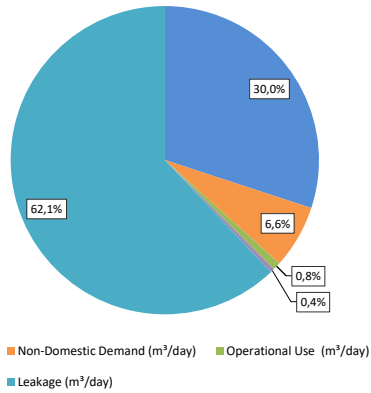
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000286	Pairc an Aonaigh WTP	20	17	18	No Licence	67	22Hr	18	-	18	
WTP0001114	Kilmacthomas WTP	160	133	147	No Licence	316	22Hr	147	-	147	
TOTAL		180	150	165	-	383		165	-	165	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	150	150	150	165	180	41	45	107
2025	150	150	150	165	180	44	48	111
2030	150	150	150	165	180	47	51	115
2035	150	150	150	165	180	49	53	119
2040	150	150	150	165	180	51	56	122
2044	150	150	150	165	180	53	58	125

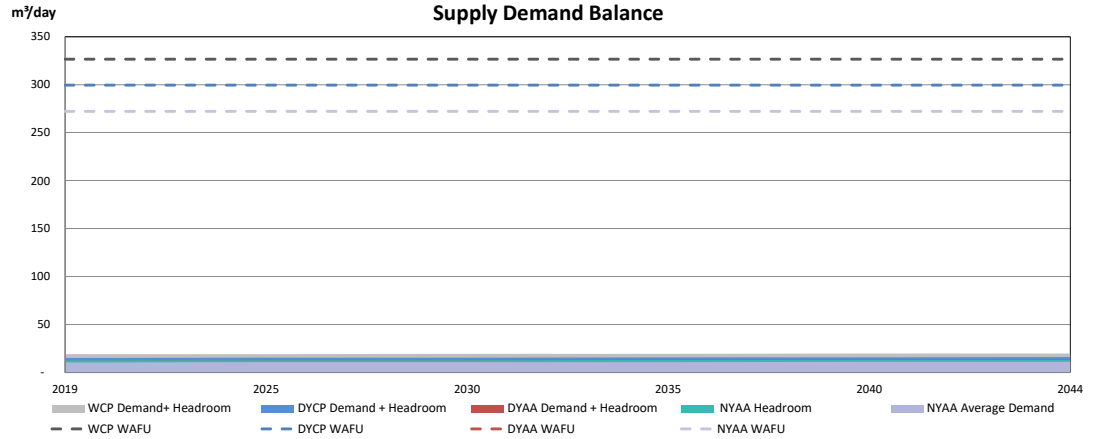
WRZ CODE	3100SC0101	WRZ Name	Scrahan	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	3
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	7
Demand (m³/day)	11

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	11	2	13	13	15	19
2025	11	2	13	13	15	19
2030	11	2	13	13	16	19
2035	11	2	13	13	16	20
2040	11	2	13	13	16	20
2044	11	2	13	14	16	20

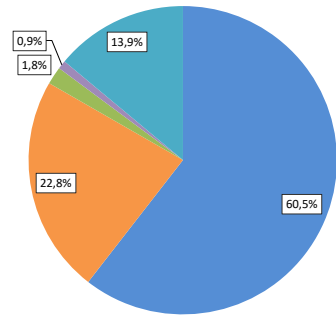
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000745	Scrahan WTP	327	273	300	No Licence	492	22Hr	300	-	300	
TOTAL		327	273	300	-	492		300	-	300	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	273	273	300	327	260	260	285	308	260	260	285	308
2025	273	273	300	327	260	259	284	308	260	259	284	308
2030	273	273	300	327	260	259	284	308	260	259	284	308
2035	273	273	300	327	259	259	284	307	259	259	284	307
2040	273	273	300	327	259	259	284	307	259	259	284	307
2044	273	273	300	327	259	259	284	307	259	259	284	307

WRZ CODE	3100SC0102	WRZ Name	Kill/Ballylanean	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	155
Non-Domestic Demand (m ³ /day)	58
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	36
Demand (m³/day)	256

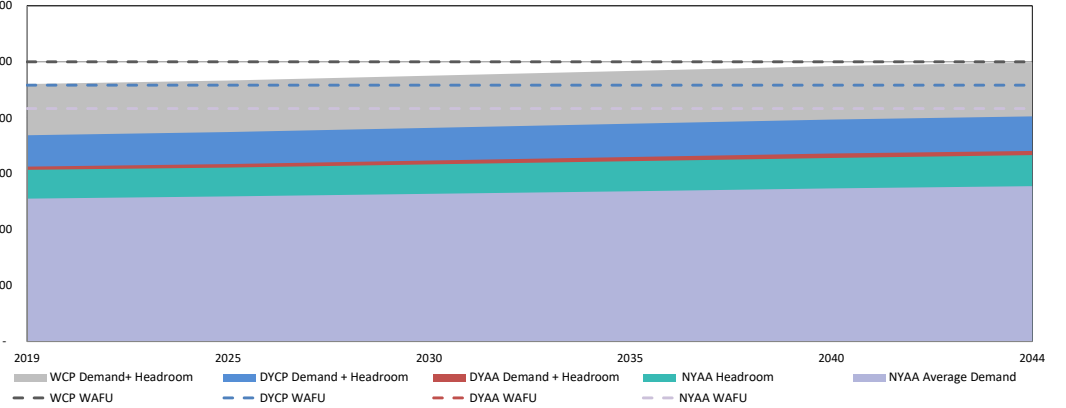
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	256	51	307	313	369	460
2025	259	52	311	317	374	467
2030	264	53	317	324	382	475
2035	269	54	323	330	389	484
2040	274	55	328	336	397	493
2044	277	55	333	341	402	499

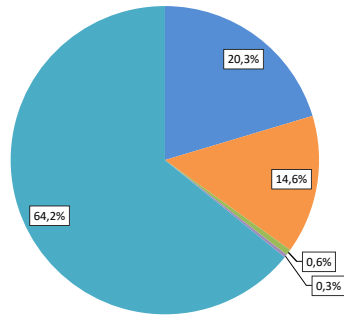
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000311	Ballylanean WTP	500	417	458	No Licence	12 478	22Hr	458	-	458	Critical - Low Flow Intervention
TOTAL		500	417	458	-	12 478		458	-	458	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	WAFU (m ³ /day)
2019	417	417	417	458	500	110	104	90	40	40
2025	417	417	417	458	500	106	99	84	33	33
2030	417	417	417	458	500	100	93	77	25	25
2035	417	417	417	458	500	94	87	69	16	16
2040	417	417	417	458	500	88	81	62	7	7
2044	417	417	417	458	500	84	76	56	1	1

WRZ CODE	3100SC0106	WRZ Name	Kilmore-Kilbeg	Study Area	J	Study Group		Local Authority	Waterford
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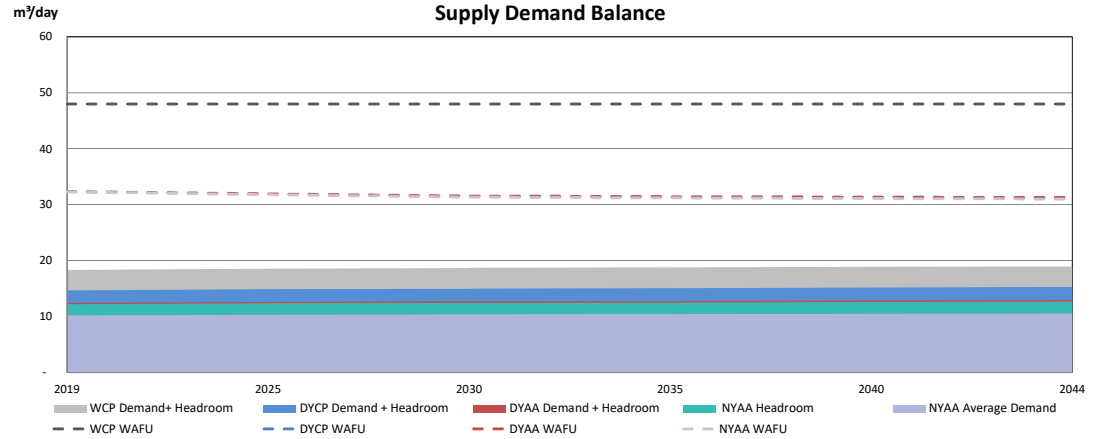
Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	7
Demand (m³/day)	10

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	2	12	12	15	18
2025	10	2	12	13	15	19
2030	10	2	12	13	15	19
2035	10	2	13	13	15	19
2040	10	2	13	13	15	19
2044	11	2	13	13	15	19

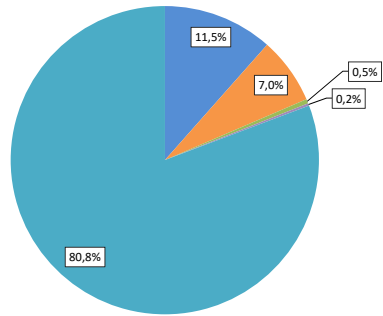
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001123	Kilmore Kilbeg WTP	48	40	44	No Licence	32	Yield	31	-	31	
TOTAL		48	40	44	-	32		31	-	31	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	32	32	32	48	20	20	18	30
2025	32	32	32	48	19	19	17	29
2030	31	32	32	48	19	19	17	29
2035	31	31	31	48	19	19	16	29
2040	31	31	31	48	19	18	16	29
2044	31	31	31	48	18	18	16	29

WRZ CODE	3100SC0107	WRZ Name	Ballyknock	Study Area	K	Study Group	Local Authority	Tipperary
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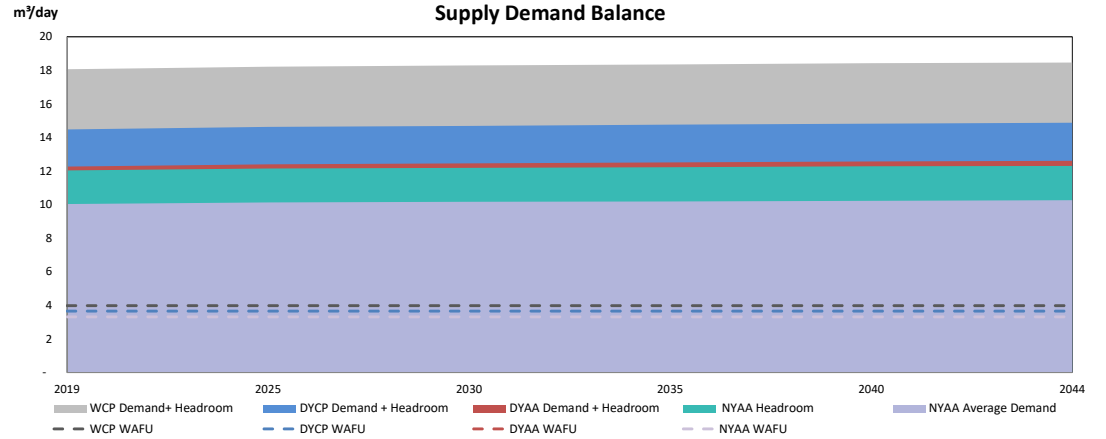
Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	8
Demand (m³/day)	10

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	2	12	12	14	18
2025	10	2	12	12	15	18
2030	10	2	12	12	15	18
2035	10	2	12	13	15	18
2040	10	2	12	13	15	18
2044	10	2	12	13	15	18

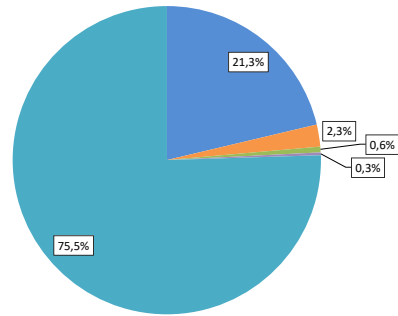
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000253	Ballyknock WTP	4	3	4	No Licence	5	22Hr	4	-	4	
TOTAL		4	3	4	-	5		4	-	4	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3	3	4	4	9	9	11	14
2025	3	3	4	4	9	9	11	14
2030	3	3	4	4	9	9	11	14
2035	3	3	4	4	9	9	11	14
2040	3	3	4	4	9	9	11	14
2044	3	3	4	4	9	9	11	14

WRZ CODE	3100SC0108	WRZ Name	Garravoone	Study Area	K	Study Group	Local Authority	Tipperary
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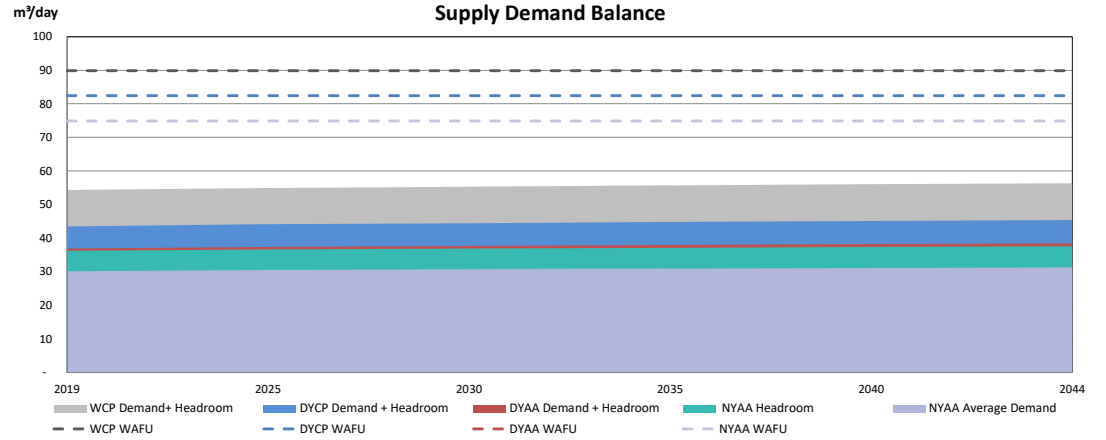
Base Demand in 2019	
Domestic Demand (m ³ /day)	6
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	23
Demand (m³/day)	30

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	30	6	36	37	44	54
2025	31	6	37	37	44	55
2030	31	6	37	38	44	55
2035	31	6	37	38	45	56
2040	31	6	37	38	45	56
2044	31	6	38	38	45	56

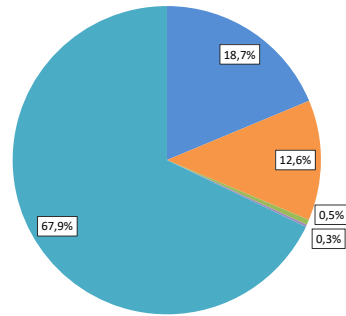
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000412	Garravoone WTP	90	75	83	No Licence	86	22Hr	83	-	83	
TOTAL		90	75	83	-	86		83	-	83	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	75	75	83	90	39	38	39	36
2025	75	75	83	90	38	38	38	35
2030	75	75	83	90	38	37	38	35
2035	75	75	83	90	38	37	38	34
2040	75	75	83	90	38	37	37	34
2044	75	75	83	90	37	37	37	34

WRZ CODE	3100SC0109	WRZ Name	Joanstown	Study Area	K	Study Group	Local Authority	Tipperary
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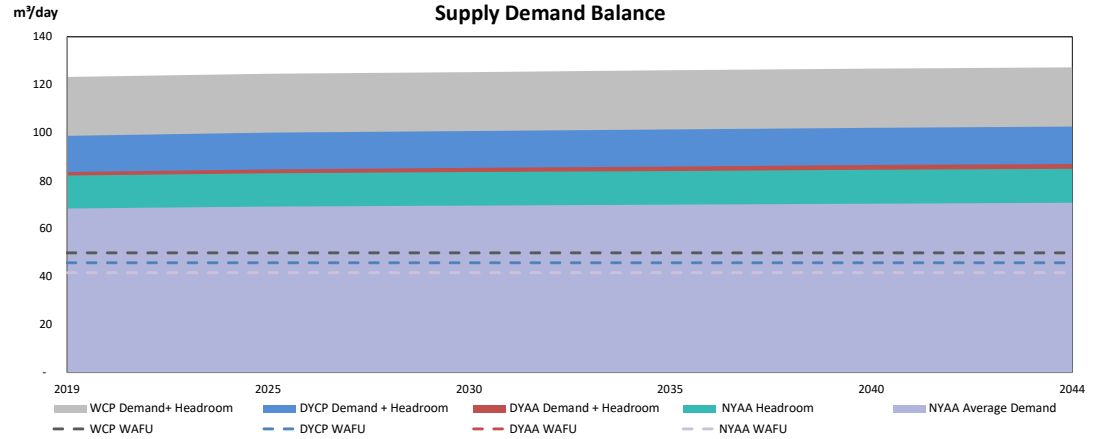
Base Demand in 2019	
Domestic Demand (m ³ /day)	13
Non-Domestic Demand (m ³ /day)	9
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	46
Demand (m³/day)	68

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	68	14	82	84	99	123
2025	69	14	83	85	100	125
2030	70	14	84	85	101	125
2035	70	14	84	86	101	126
2040	70	14	85	87	102	127
2044	71	14	85	87	103	127

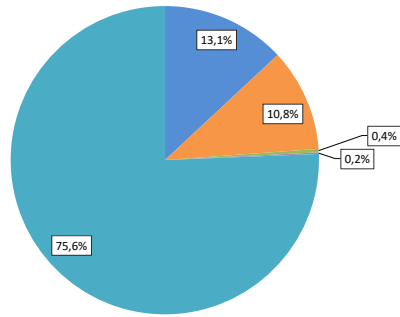
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001068	Joanstown WTP	50	42	46	No Licence	48	22Hr	46	-	46	
TOTAL		50	42	46	-	48		46	-	46	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	42	42	46	50	40	42	53	73
2025	42	42	46	50	41	43	54	75
2030	42	42	46	50	42	44	55	75
2035	42	42	46	50	42	44	56	76
2040	42	42	46	50	43	45	56	77
2044	42	42	46	50	43	45	57	77

WRZ CODE	3100SC0110	WRZ Name	Crehanagh	Study Area	K	Study Group	Local Authority	Tipperary
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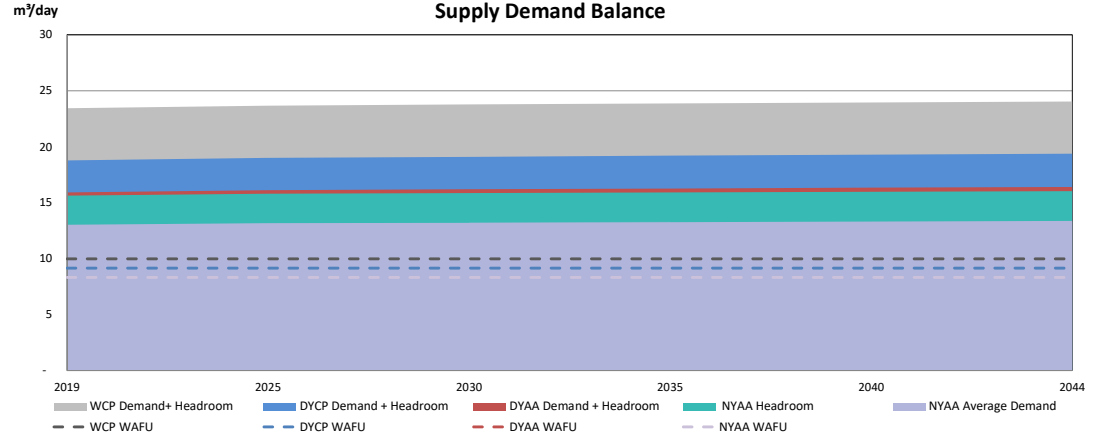
Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	10
Demand (m³/day)	13

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	13	3	16	16	19	23
2025	13	3	16	16	19	24
2030	13	3	16	16	19	24
2035	13	3	16	16	19	24
2040	13	3	16	16	19	24
2044	13	3	16	16	19	24

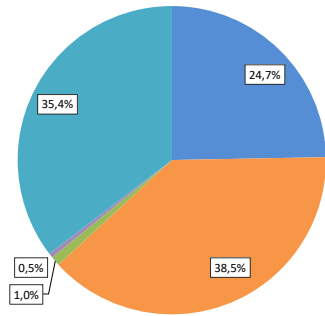
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000589	Crehanagh WTP	10	8	9	No Licence	32	22Hr	9	-	9	
TOTAL		10	8	9	-	32		9	-	9	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	8	9	10	7	8	10	13
2025	8	8	9	10	7	8	10	14
2030	8	8	9	10	8	8	10	14
2035	8	8	9	10	8	8	10	14
2040	8	8	9	10	8	8	10	14
2044	8	8	9	10	8	8	10	14

WRZ CODE	3100SC0111	WRZ Name	Deelish/Ballinacourty	Study Area	K	Study Group	Local Authority	Waterford
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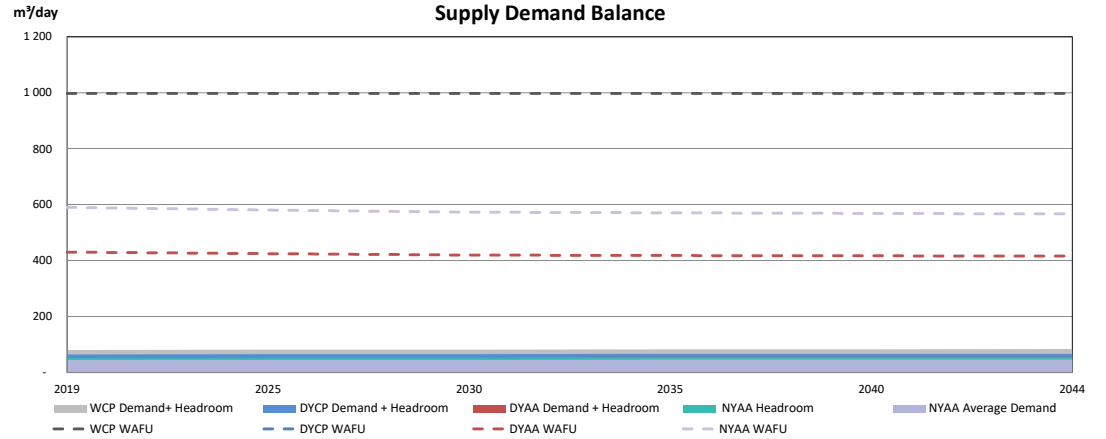
Base Demand in 2019	
Domestic Demand (m ³ /day)	11
Non-Domestic Demand (m ³ /day)	17
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	16
Demand (m³/day)	45

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	45	9	54	55	64	80
2025	45	9	54	55	65	81
2030	45	9	55	56	66	82
2035	46	9	55	56	66	82
2040	46	9	55	57	67	83
2044	46	9	56	57	67	84

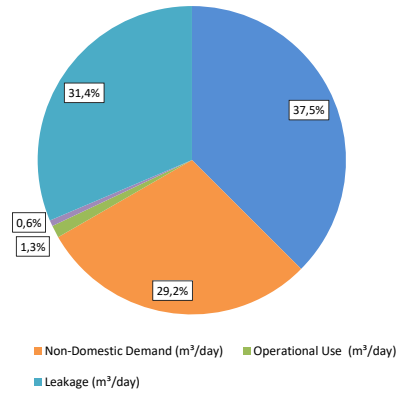
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000885	Deelish WTP	998	832	915	No Licence	421	Yield	417	-	417	
TOTAL		998	832	915	-	421		417	-	417	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	591	431	431	998	537	376	367	918
2025	582	425	425	998	527	370	360	917
2030	574	420	420	998	519	365	355	916
2035	571	419	419	998	516	363	353	916
2040	569	418	418	998	514	361	351	915
2044	567	417	417	998	512	360	349	914

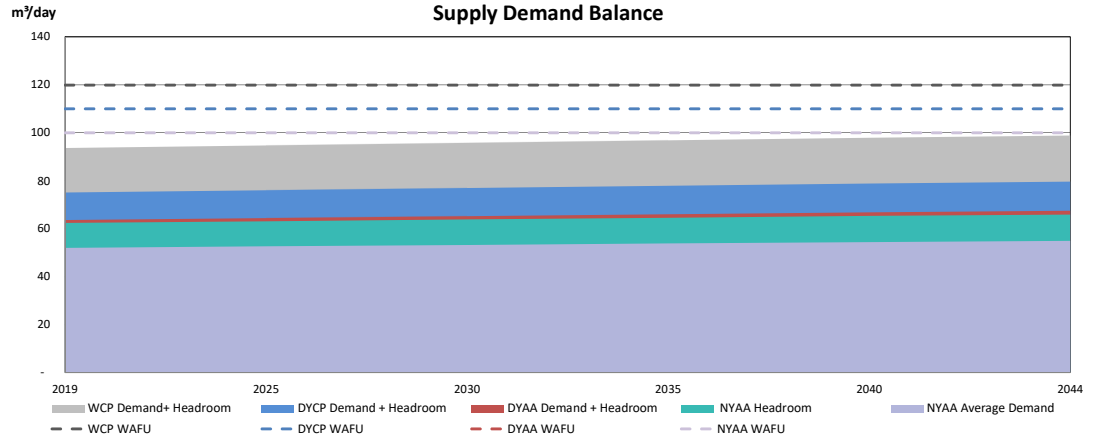
WRZ CODE	3100SC0112	WRZ Name	Modeligo	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	19
Non-Domestic Demand (m ³ /day)	15
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	16
Demand (m³/day)	52

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	52	10	62	64	75	94
2025	53	11	63	64	76	95
2030	53	11	64	65	77	96
2035	54	11	65	66	78	97
2040	54	11	65	67	79	98
2044	55	11	66	67	80	99

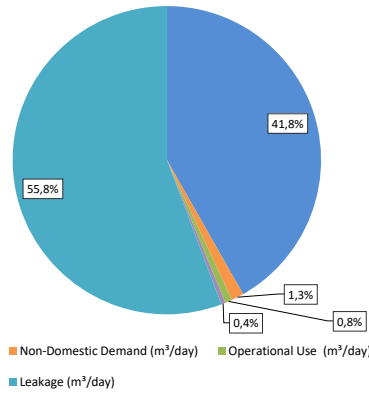
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000171	Modeligo WTP	120	100	110	No Licence	115	22Hr	110	-	110	
TOTAL		120	100	110	-	115		110	-	110	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	100	100	110	120	38	36	35	26
2025	100	100	110	120	37	36	34	25
2030	100	100	110	120	36	35	33	24
2035	100	100	110	120	35	34	32	23
2040	100	100	110	120	35	33	31	22
2044	100	100	110	120	34	33	30	21

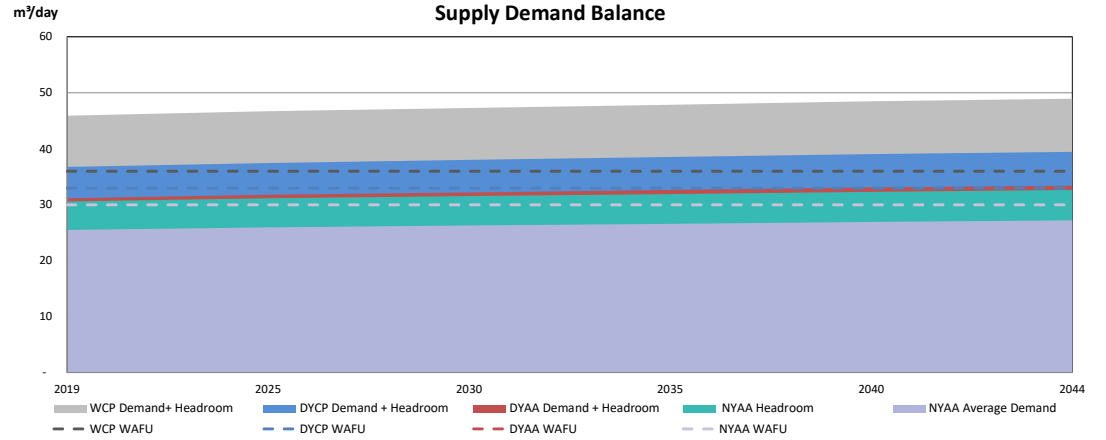
WRZ CODE	3100SC0113	WRZ Name	Lacken	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	11
Non-Domestic Demand (m ³ /day)	0
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	14
Demand (m³/day)	25

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	25	5	31	31	37	46
2025	26	5	31	32	37	47
2030	26	5	32	32	38	47
2035	27	5	32	33	39	48
2040	27	5	32	33	39	48
2044	27	5	33	33	39	49

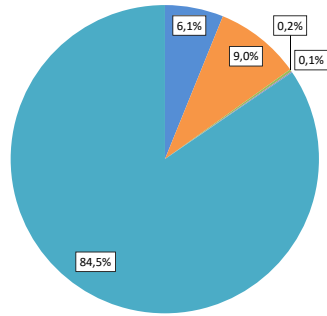
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001176	Lacken WTP	36	30	33	No Licence	34	22Hr	33	-	33	
TOTAL		36	30	33	-	34		33	-	33	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	30	30	33	36 -	1 -	1 -	4 -	10
2025	30	30	33	36 -	1 -	2 -	4 -	11
2030	30	30	33	36 -	2 -	2 -	5 -	11
2035	30	30	33	36 -	2 -	3 -	6 -	12
2040	30	30	33	36 -	2 -	3 -	6 -	12
2044	30	30	33	36 -	3 -	3 -	6 -	13

WRZ CODE	3100SC0114	WRZ Name	Liskealty	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	0
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	7
Demand (m³/day)	8

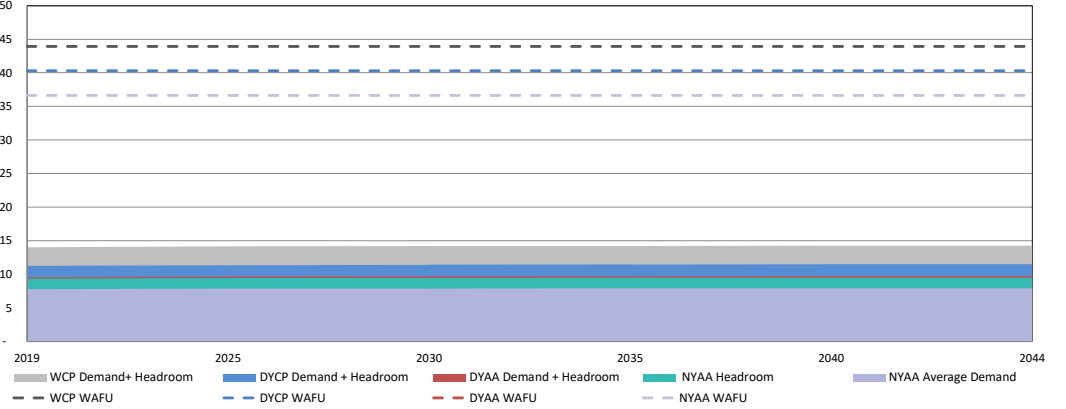
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	2	9	10	11	14
2025	8	2	9	10	11	14
2030	8	2	9	10	11	14
2035	8	2	9	10	11	14
2040	8	2	10	10	11	14
2044	8	2	10	10	12	14

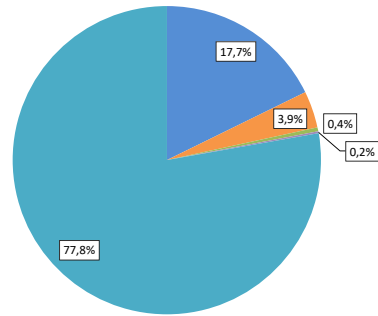
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000982	Liskealty WTP	44	37	40	No Licence	43	22Hr	40	-	40	
TOTAL		44	37	40	-	43		40	-	40	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	37	37	40	44	27	27	29	30
2025	37	37	40	44	27	27	29	30
2030	37	37	40	44	27	27	29	30
2035	37	37	40	44	27	27	29	30
2040	37	37	40	44	27	27	29	30
2044	37	37	40	44	27	27	29	30

WRZ CODE	3100SC0115	WRZ Name	Ardmore Grange	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	30
Non-Domestic Demand (m ³ /day)	7
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	132
Demand (m³/day)	169

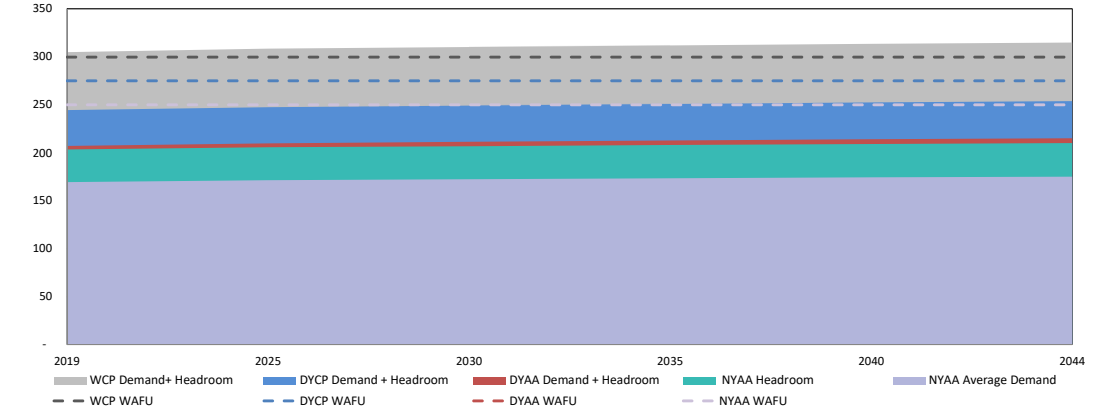
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	169	34	203	207	244	305
2025	171	34	206	210	248	309
2030	172	34	207	211	249	310
2035	173	35	208	213	251	312
2040	174	35	209	214	252	314
2044	175	35	210	215	254	315

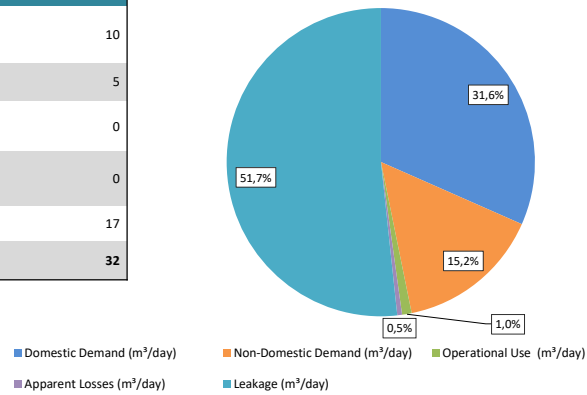
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000066	Ardmore Grange (WTP)	150	125	138	No Licence	144	22Hr	138	-	138	Issue Capacity / Yield (Unknown)
TOTAL		150	125	138	-	144		138	-	138	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	250	250	275	300	47	43	31	5
2025	250	250	275	300	44	40	27	9
2030	250	250	275	300	43	39	26	10
2035	250	250	275	300	42	37	24	12
2040	250	250	275	300	41	36	23	14
2044	250	250	275	300	40	35	21	15

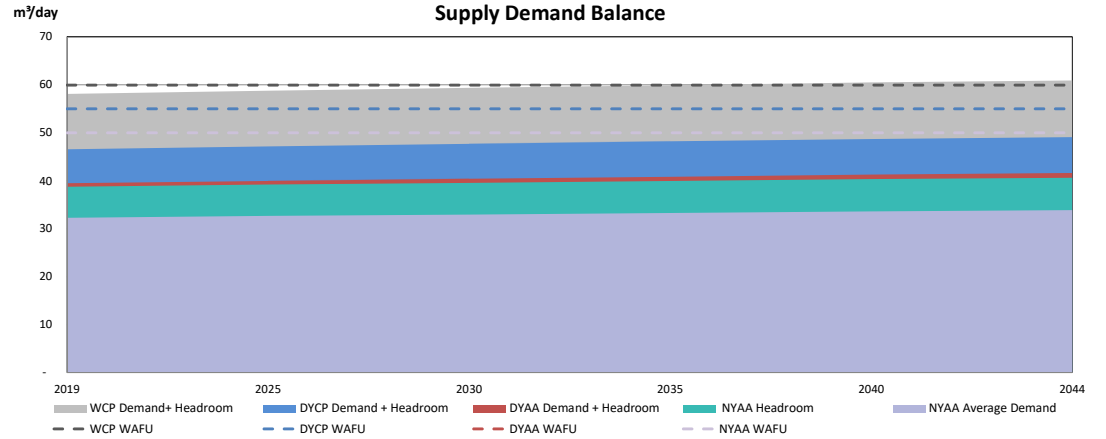
WRZ CODE	3100SC0116	WRZ Name	Kilbrien	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	10
Non-Domestic Demand (m ³ /day)	5
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	17
Demand (m³/day)	32

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	32	6	39	39	47	58
2025	33	7	39	40	47	59
2030	33	7	40	40	48	59
2035	33	7	40	41	48	60
2040	34	7	40	41	49	60
2044	34	7	41	42	49	61

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001086	Kilbrien (Ballinakill) WTP	60	50	55	No Licence	57	22Hr	55	-	55	
TOTAL		60	50	55	-	57		55	-	55	

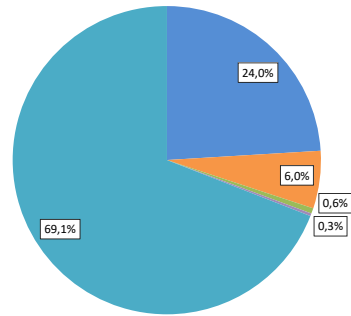
Supply Demand Balance

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	50	50	55	60	11	11	8	2
2025	50	50	55	60	11	10	8	1
2030	50	50	55	60	10	10	7	1
2035	50	50	55	60	10	9	7	0
2040	50	50	55	60	10	9	6	0
2044	50	50	55	60	9	8	6	1

WRZ CODE	3100SC0117	WRZ Name	Poulvanogone	Study Area	K	Study Group	Local Authority	Waterford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	13
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	38
Demand (m³/day)	54

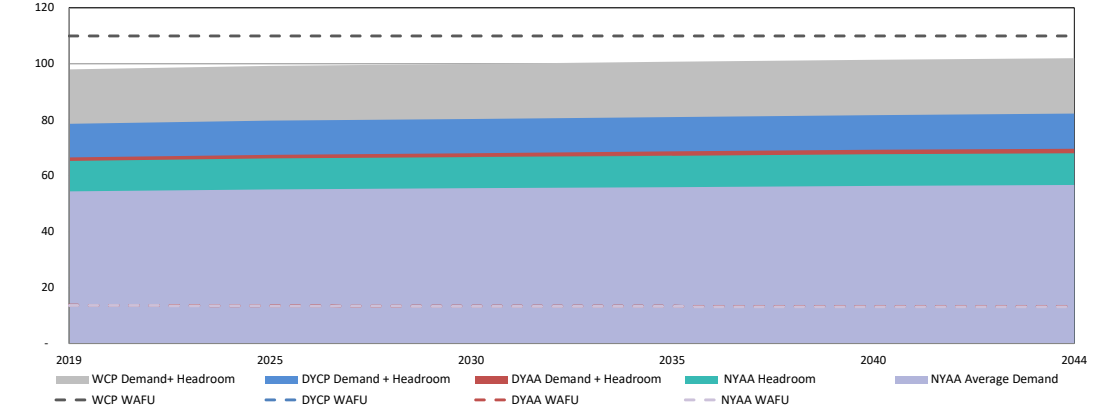
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	54	11	65	67	79	98
2025	55	11	66	67	80	99
2030	56	11	67	68	80	100
2035	56	11	67	69	81	101
2040	56	11	68	69	82	101
2044	57	11	68	70	82	102

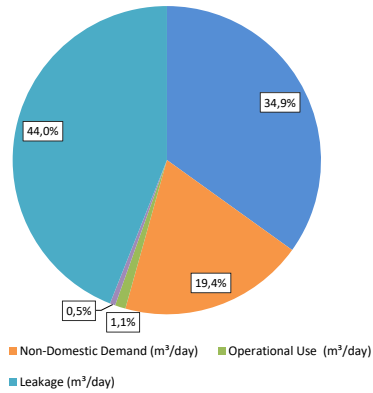
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000694	Poulvanogone WTP	110	92	101	No Licence	13	Yield	13	-	13	
TOTAL		110	92	101	-	13		13	-	13	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	14	14	14	110	52	53	65	12
2025	13	14	14	110	53	54	66	11
2030	13	13	13	110	53	55	67	10
2035	13	13	13	110	54	55	68	9
2040	13	13	13	110	54	56	68	9
2044	13	13	13	110	55	56	69	8

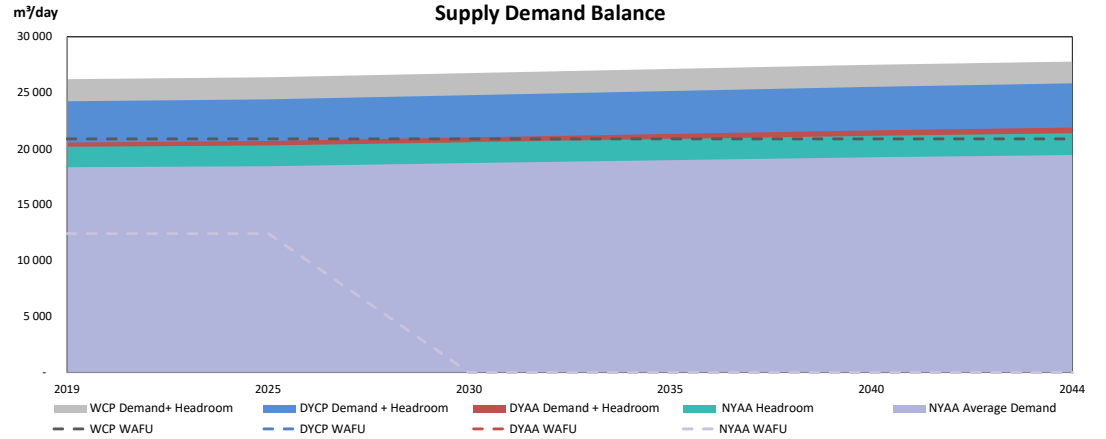
WRZ CODE	3200SC0001	WRZ Name	Mullingar Regional	Study Area	4	Study Group		Local Authority	Westmeath
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Base Demand in 2019	
Domestic Demand (m ³ /day)	6 399
Non-Domestic Demand (m ³ /day)	3 563
Operational Use (m ³ /day)	206
Apparent Losses (m ³ /day)	99
Leakage (m ³ /day)	8 069
Demand (m³/day)	18 336

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	18 336	1 834	20 169	20 547	24 244	26 220
2025	18 447	1 845	20 292	20 701	24 425	26 380
2030	18 706	1 871	20 577	21 016	24 798	26 750
2035	18 965	1 897	20 862	21 332	25 171	27 120
2040	19 224	1 922	21 147	21 650	25 541	27 491
2044	19 431	1 943	21 375	21 884	25 837	27 787

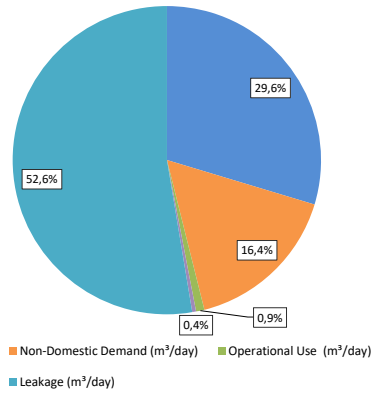
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001205	Portloman WTP	22 000	18 333	20 167	13 500	-	Yield	-	-	-	Significant Reduction
TOTAL		22 000	18 333	20 167	13 500	-		-	-	-	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	12 440	12 440	12 440	20 900	7 729	8 107	11 804	5 320	
2025	12 440	12 440	12 440	20 900	7 852	8 260	11 985	5 480	
2030	-	-	-	20 900	20 577	21 016	24 798	5 850	
2035	-	-	-	20 900	20 862	21 332	25 171	6 220	
2040	-	-	-	20 900	21 147	21 650	25 541	6 591	
2044	-	-	-	20 900	21 375	21 884	25 837	6 887	

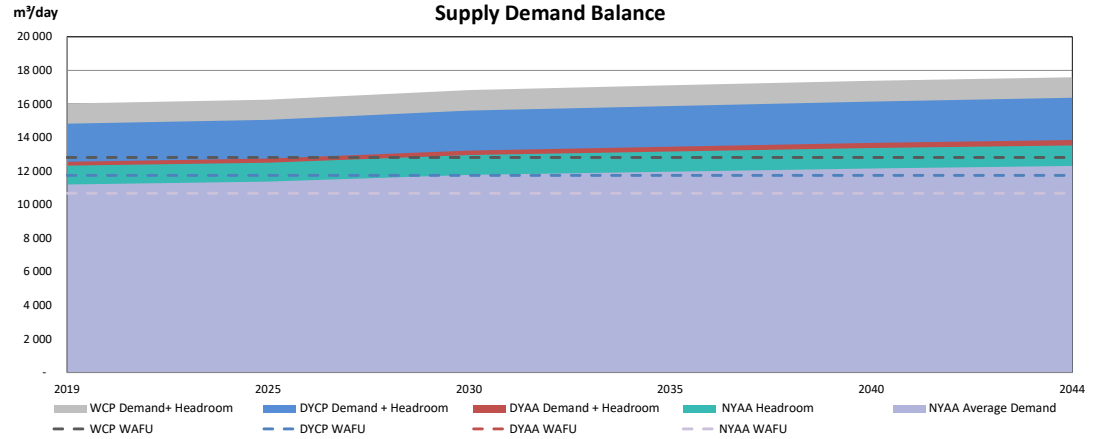
WRZ CODE	3200SC0002	WRZ Name	Athlone	Study Area	5	Study Group		Local Authority	Westmeath
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Base Demand in 2019	
Domestic Demand (m ³ /day)	3 324
Non-Domestic Demand (m ³ /day)	1 844
Operational Use (m ³ /day)	96
Apparent Losses (m ³ /day)	46
Leakage (m ³ /day)	5 902
Demand (m³/day)	11 212

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	11 212	1 121	12 333	12 564	14 825	16 033
2025	11 368	1 137	12 505	12 757	15 052	16 257
2030	11 775	1 177	12 952	13 229	15 609	16 838
2035	11 964	1 196	13 161	13 457	15 879	17 109
2040	12 154	1 215	13 369	13 687	16 147	17 380
2044	12 305	1 231	13 536	13 858	16 362	17 597

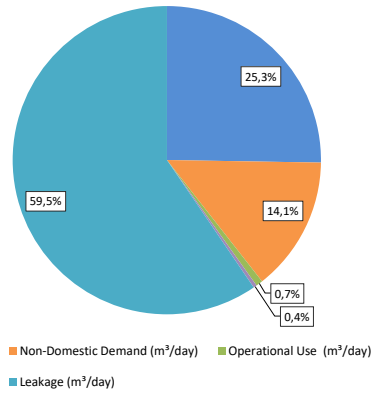
Water Available for Use in 2044 DYCP												
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018	
WTP0000057	Athlone WTP	13 500	11 250	12 375	40 900	365 441	22Hr	12 375	-	619	11 756	Issue Capacity / Yield (Unknown)
TOTAL		13 500	11 250	12 375	40 900	365 441		12 375	-	619	11 756	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)				
2019	10 688	10 688	11 756	12 825	-	1 645	-	1 876	-	3 068	-	3 208
2025	10 688	10 688	11 756	12 825	-	1 818	-	2 069	-	3 296	-	3 432
2030	10 688	10 688	11 756	12 825	-	2 265	-	2 541	-	3 853	-	4 013
2035	10 688	10 688	11 756	12 825	-	2 473	-	2 770	-	4 123	-	4 284
2040	10 688	10 688	11 756	12 825	-	2 682	-	3 000	-	4 391	-	4 555
2044	10 688	10 688	11 756	12 825	-	2 848	-	3 171	-	4 605	-	4 772

WRZ CODE	3200SC0003	WRZ Name	Ballany	Study Area	4	Study Group		Local Authority	Westmeath
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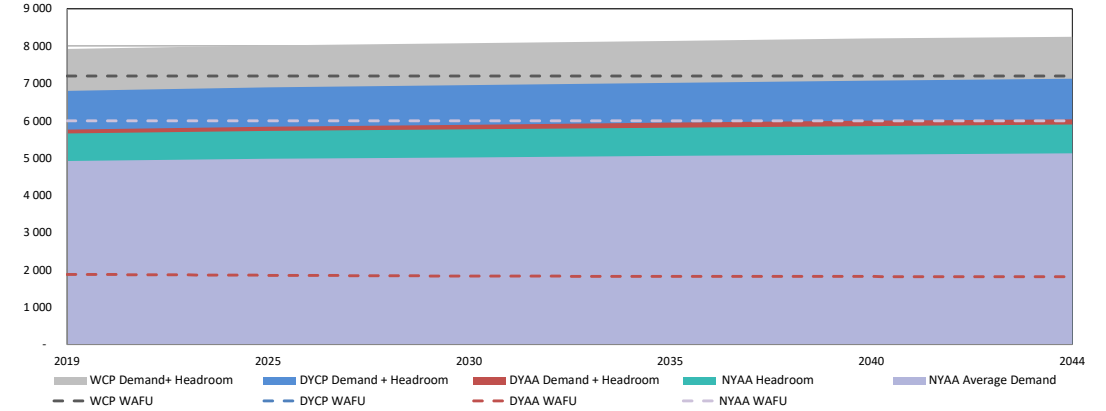
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 243
Non-Domestic Demand (m ³ /day)	695
Operational Use (m ³ /day)	36
Apparent Losses (m ³ /day)	17
Leakage (m ³ /day)	2 930
Demand (m³/day)	4 922

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4 922	738	5 660	5 766	6 804	7 924
2025	4 980	747	5 727	5 842	6 894	8 018
2030	5 019	753	5 771	5 895	6 955	8 080
2035	5 057	759	5 816	5 947	7 017	8 142
2040	5 096	764	5 860	6 000	7 078	8 204
2044	5 127	769	5 895	6 036	7 126	8 254

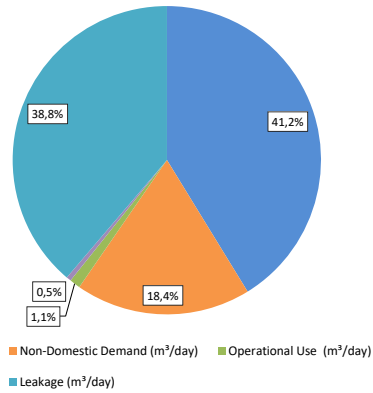
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000122	Ballany WTP	7 200	6 000	6 600	No Licence	1 878	Yield	1 822	-	1 822	
TOTAL		7 200	6 000	6 600	-	1 878		1 822	-	1 822	

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	6 000	1 885	1 885	7 200	340	3 881	4 919	724
2025	6 000	1 860	1 860	7 200	273	3 983	5 034	818
2030	6 000	1 839	1 839	7 200	229	4 056	5 117	880
2035	6 000	1 832	1 832	7 200	184	4 115	5 185	942
2040	6 000	1 827	1 827	7 200	140	4 173	5 251	1 004
2044	6 000	1 822	1 822	7 200	105	4 214	5 304	1 054

WRZ CODE	3300SC0001	WRZ Name	Gorey	Study Area	M	Study Group	Local Authority	Wexford
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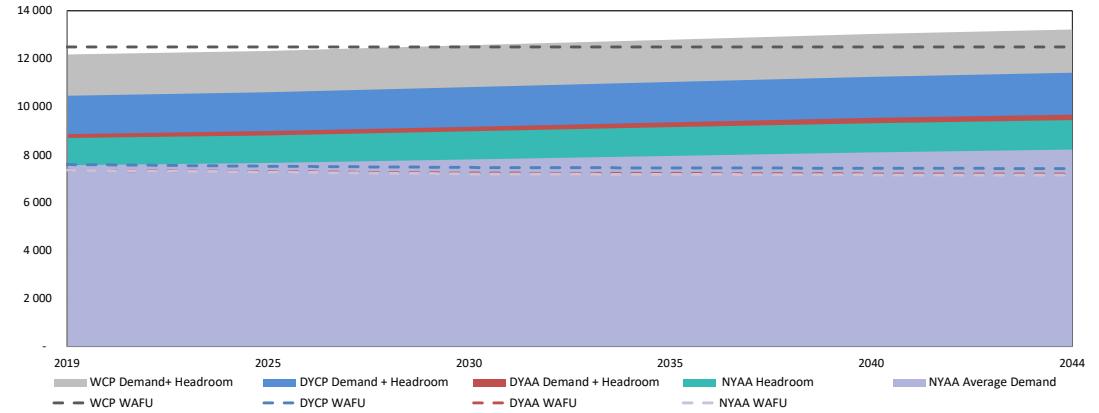
Base Demand in 2019	
Domestic Demand (m ³ /day)	3 118
Non-Domestic Demand (m ³ /day)	1 393
Operational Use (m ³ /day)	84
Apparent Losses (m ³ /day)	37
Leakage (m ³ /day)	2 934
Demand (m³/day)	7 565

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7 565	1 135	8 700	8 863	10 458	12 180
2025	7 659	1 149	8 808	8 985	10 602	12 331
2030	7 805	1 171	8 976	9 167	10 817	12 566
2035	7 951	1 193	9 144	9 350	11 032	12 801
2040	8 097	1 215	9 312	9 533	11 246	13 036
2044	8 214	1 232	9 446	9 671	11 418	13 224

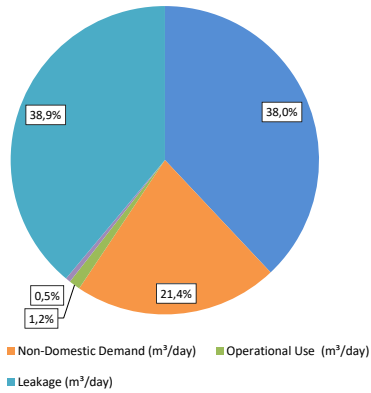
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000236	Ballygarron WTP	300	250	275	No Licence	450	22Hr	275	-	275	
WTP0000566	Coolishall WTP	1 002	835	919	No Licence	-	Yield	-	-	-	
WTP0000248	Ballykale WTP	1 500	1 250	1 375	No Licence	1 231	Yield	1 219	-	1 219	
WTP0000579	Creagh WTP	2 500	2 083	2 292	4 500	10 815	22Hr	2 292	-	2 292	
WTP0000126	Ballinamona WTP	2 677	2 231	2 454	No Licence	-	Yield	-	-	-	
WTP0000272	Barnadown Upper WTP	4 528	3 773	4 151	No Licence	3 679	Yield	3 642	-	3 642	
TOTAL		12 507	10 423	11 465	4 500	16 175		7 428	-	7 428	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)
2019	7 357	7 357	7 597	12 507	1 343	1 506	2 861	327	327
2025	7 286	7 301	7 529	12 507	1 522	1 684	3 073	176	176
2030	7 208	7 239	7 473	12 507	1 768	1 928	3 344	59	59
2035	7 188	7 223	7 456	12 507	1 956	2 127	3 576	294	294
2040	7 169	7 207	7 440	12 507	2 142	2 326	3 806	529	529
2044	7 155	7 195	7 428	12 507	2 291	2 476	3 990	717	717

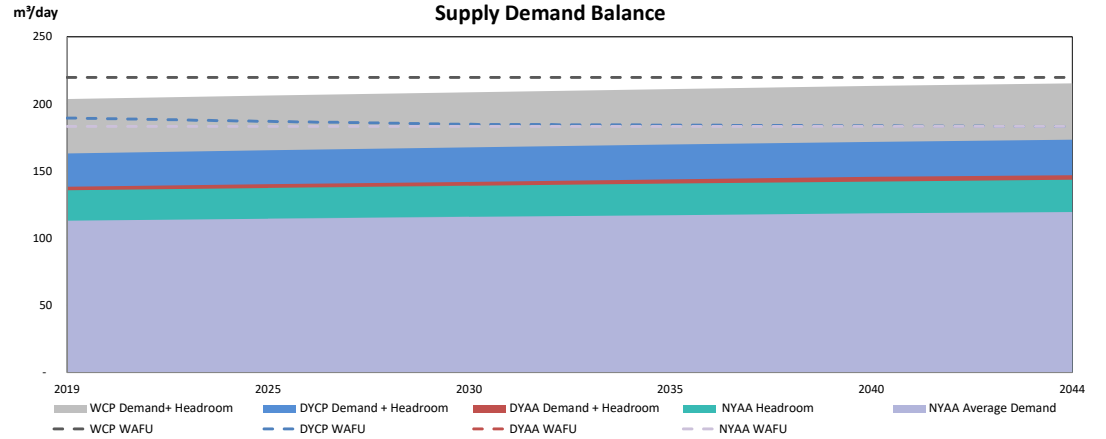
WRZ CODE	3300SC0002	WRZ Name	Camolin	Study Area	M	Study Group		Local Authority	Wexford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	43
Non-Domestic Demand (m ³ /day)	24
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	44
Demand (m³/day)	113

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	113	23	136	138	163	204
2025	115	23	137	140	165	206
2030	116	23	139	142	168	209
2035	117	23	141	144	170	211
2040	119	24	142	146	172	213
2044	120	24	144	147	174	215

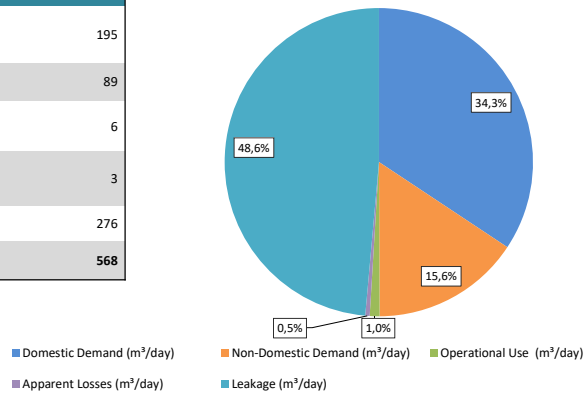
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000394	Camolin WTP	220	183	202	No Licence	185	Yield	183	-	183	
TOTAL		220	183	202	-	185		183	-	183	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	183	183	190	220	48	45	26	16
2025	183	183	187	220	46	43	22	14
2030	183	183	185	220	44	41	17	11
2035	183	183	184	220	43	39	15	9
2040	183	183	184	220	41	38	12	7
2044	183	183	183	220	40	36	10	5

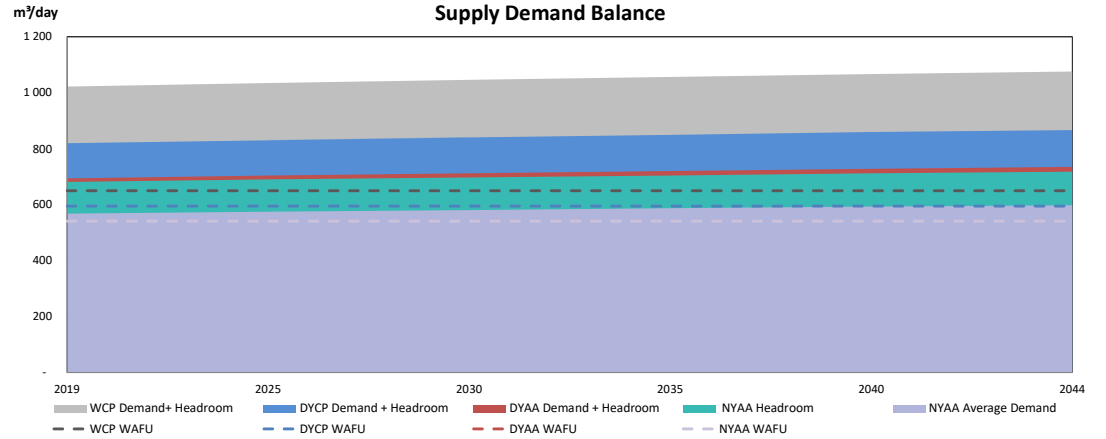
WRZ CODE	3300SC003	WRZ Name	Ferns Regional	Study Area	M	Study Group		Local Authority	Wexford
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Base Demand in	2019
Domestic Demand (m ³ /day)	195
Non-Domestic Demand (m ³ /day)	89
Operational Use (m ³ /day)	6
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	276
Demand (m³/day)	568

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	568	114	682	694	819	1 023
2025	575	115	690	704	830	1 035
2030	581	116	697	712	840	1 046
2035	587	117	704	720	850	1 057
2040	593	119	712	729	860	1 067
2044	598	120	717	735	867	1 076

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000396	Ferns WTP	650	542	596	No Licence	1 738	22Hr	596	-	596	Significant Reduction
TOTAL		650	542	596	-	1 738		596	-	596	

WAFU

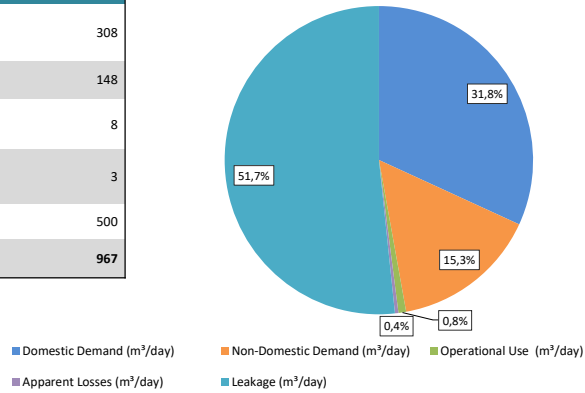
Supply Demand Balance

Year	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	542	542	596	650	140	153	224	373
2025	542	542	596	650	148	162	235	385
2030	542	542	596	650	156	170	244	396
2035	542	542	596	650	163	179	254	407
2040	542	542	596	650	170	187	264	417
2044	542	542	596	650	176	193	271	426

WRZ CODE	3300SC0004	WRZ Name	Bunclody	Study Area	M	Study Group		Local Authority	Wexford
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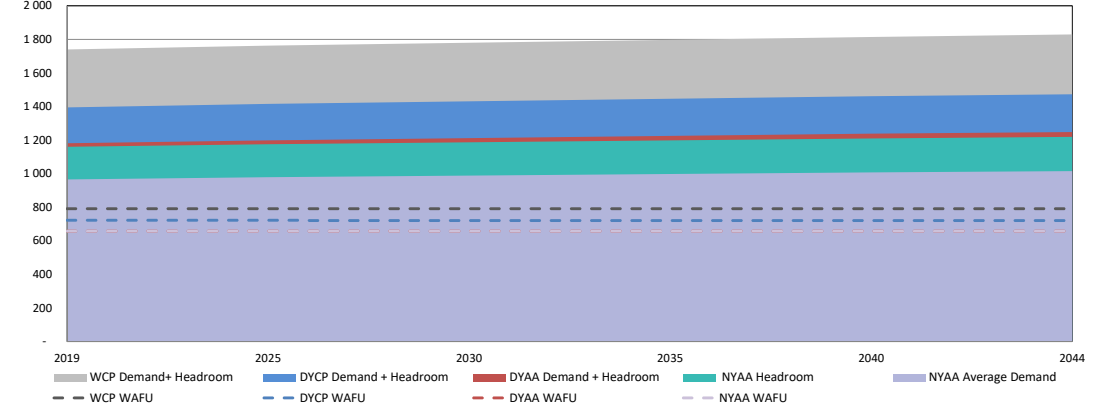
Base Demand in 2019	
Domestic Demand (m ³ /day)	308
Non-Domestic Demand (m ³ /day)	148
Operational Use (m ³ /day)	8
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	500
Demand (m³/day)	967

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	967	193	1160	1182	1394	1740
2025	980	196	1176	1199	1415	1764
2030	989	198	1187	1212	1431	1781
2035	999	200	1199	1226	1446	1798
2040	1008	202	1210	1239	1461	1815
2044	1016	203	1219	1248	1474	1829

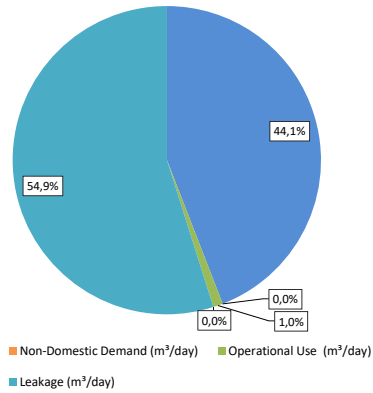
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001127	Kilmishall WTP	25	21	23	No Licence	18	Yield	18	-	18	
WTP0000357	Carrickduff WTP	768	640	704	No Licence	3 614	22Hr	704	-	704	
TOTAL		793	661	727	-	3 632		722	-	722	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	659	659	723	793	501	523	672	947	659	659	723
2025	658	658	722	793	517	541	693	971	658	658	722
2030	658	658	722	793	529	554	708	988	658	658	722
2035	658	658	722	793	541	568	724	1 005	658	658	722
2040	658	658	722	793	552	581	739	1 022	658	658	722
2044	658	658	722	793	561	590	752	1 036	658	658	722

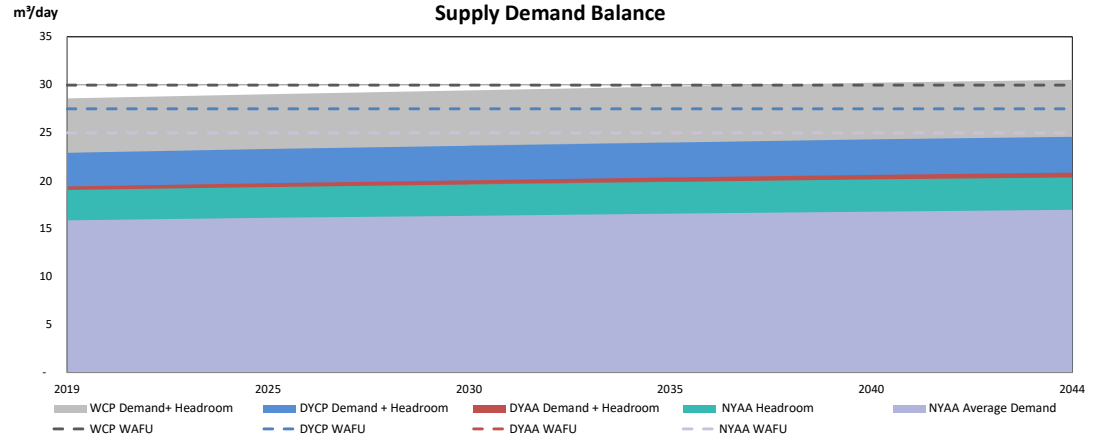
WRZ CODE	3300SC0010	WRZ Name	Marshallstown	Study Area	M	Study Group		Local Authority	Wexford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	7
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	9
Demand (m³/day)	16

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	16	3	19	19	23	29
2025	16	3	19	20	23	29
2030	16	3	20	20	24	29
2035	17	3	20	20	24	30
2040	17	3	20	21	24	30
2044	17	3	20	21	25	31

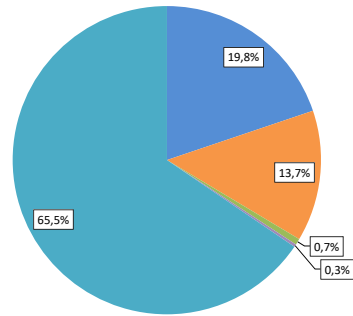
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000208	Marshallstown WTP	30	25	28	No Licence	29	22Hr	28	-	28	
TOTAL		30	25	28	-	29		28	-	28	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	25	25	28	30	6	6	5	1
2025	25	25	28	30	6	5	4	1
2030	25	25	28	30	5	5	4	1
2035	25	25	28	30	5	5	4	0
2040	25	25	28	30	5	4	3	0
2044	25	25	28	30	5	4	3	1

WRZ CODE	3300SC0011	WRZ Name	Ballindaggin	Study Area	M	Study Group		Local Authority	Wexford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	19
Non-Domestic Demand (m ³ /day)	13
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	63
Demand (m³/day)	96

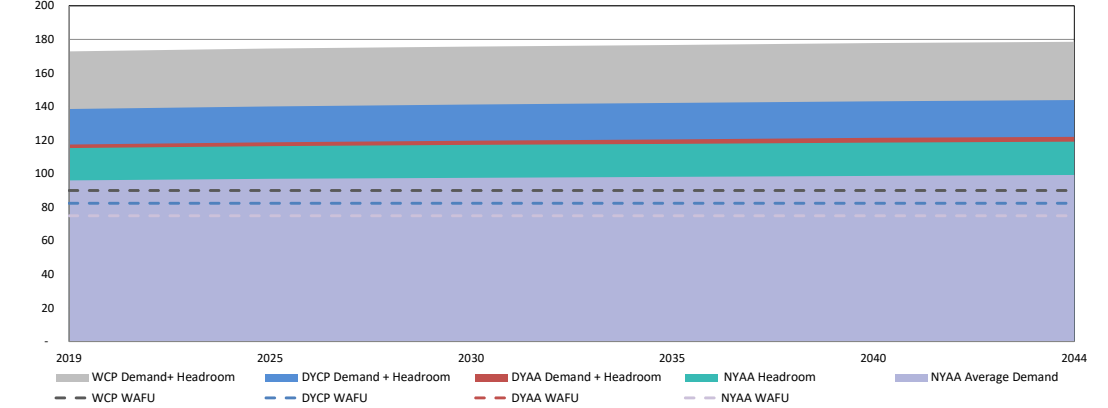
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	96	19	115	117	138	173
2025	97	19	116	119	140	175
2030	98	20	117	120	141	176
2035	98	20	118	120	142	177
2040	99	20	119	121	143	178
2044	99	20	119	122	144	179

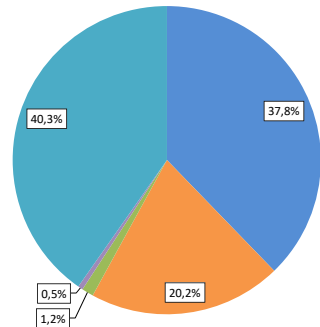
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000081	Ballindaggin WTP	90	75	83	No Licence	91	22Hr	83	-	83	
TOTAL		90	75	83	-	91		83	-	83	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	75	75	83	90	40	42	56	83	
2025	75	75	83	90	41	44	58	85	
2030	75	75	83	90	42	45	59	86	
2035	75	75	83	90	43	45	60	87	
2040	75	75	83	90	44	46	61	88	
2044	75	75	83	90	44	47	61	89	

WRZ CODE	3300SC0012	WRZ Name	Kiltealy	Study Area	M	Study Group		Local Authority	Wexford
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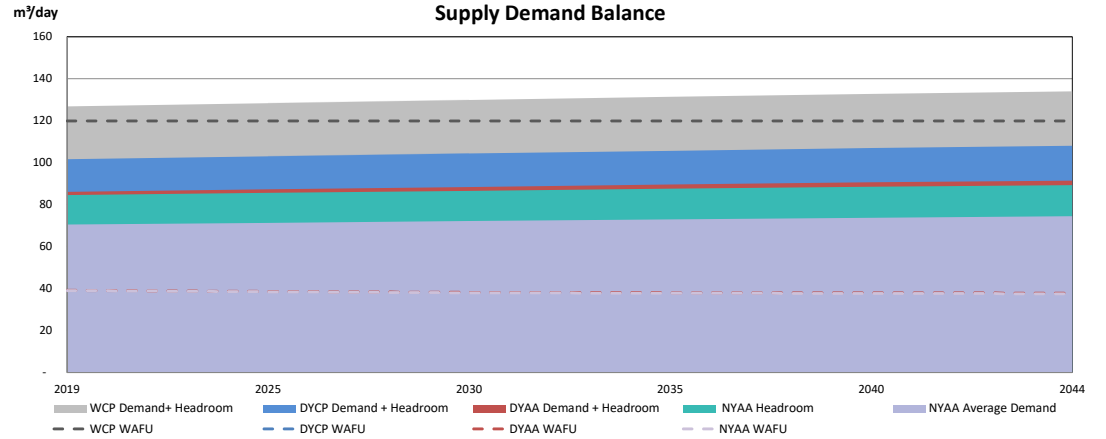
Base Demand in 2019	
Domestic Demand (m ³ /day)	27
Non-Domestic Demand (m ³ /day)	14
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	28
Demand (m³/day)	71

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	71	14	85	86	102	127
2025	71	14	86	87	103	128
2030	72	14	87	88	104	130
2035	73	15	88	90	106	131
2040	74	15	89	91	107	133
2044	74	15	89	91	108	134

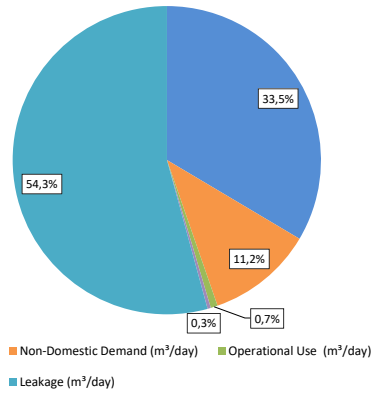
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001134	Ballycrystal WTP	120	100	110	No Licence	38	Yield	38	-	38	
TOTAL		120	100	110	-	38		38	-	38	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	39	39	39	120	45	47	62	7
2025	39	39	39	120	47	49	64	8
2030	38	38	38	120	49	50	66	10
2035	38	38	38	120	50	51	68	11
2040	38	38	38	120	51	53	69	13
2044	38	38	38	120	52	54	70	14

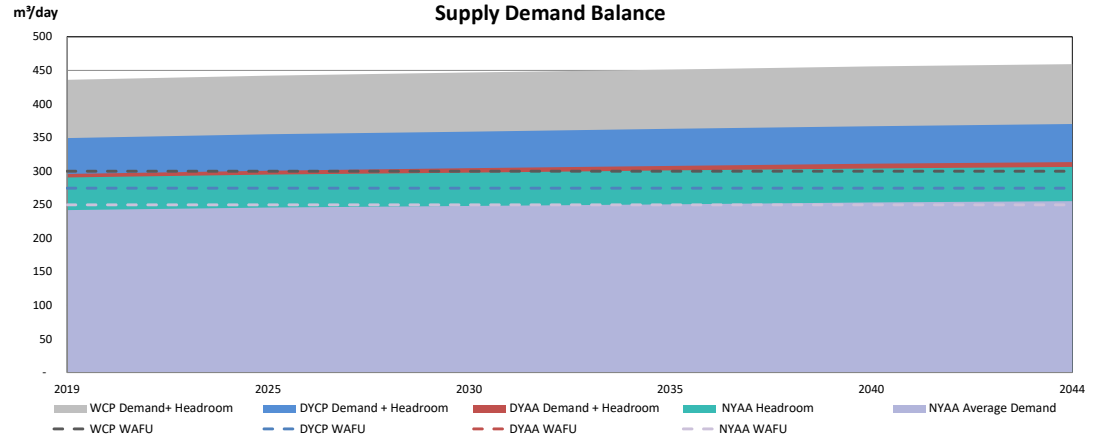
WRZ CODE	3300SC0013	WRZ Name	Clonroche	Study Area	M	Study Group		Local Authority	Wexford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	81
Non-Domestic Demand (m ³ /day)	27
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	131
Demand (m³/day)	242

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	242	48	290	296	349	436
2025	246	49	295	301	355	442
2030	248	50	298	304	359	447
2035	251	50	301	308	363	451
2040	253	51	304	311	367	456
2044	255	51	306	314	370	459

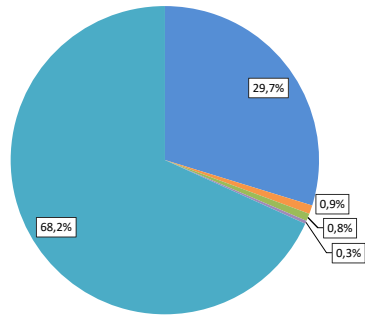
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000536	Clonroche WTP	300	250	275	No Licence	287	22Hr	275	-	275	Significant Reduction
TOTAL		300	250	275	-	287		275	-	275	

Year	WAFU				Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	
2019	250	250	275	300	-	40	-	46	-	74	136
2025	250	250	275	300	-	45	-	51	-	80	142
2030	250	250	275	300	-	48	-	54	-	84	147
2035	250	250	275	300	-	51	-	58	-	88	151
2040	250	250	275	300	-	54	-	61	-	92	156
2044	250	250	275	300	-	56	-	64	-	95	159

WRZ CODE	3300SC0014	WRZ Name	Monageer	Study Area	M	Study Group	Local Authority	Wexford
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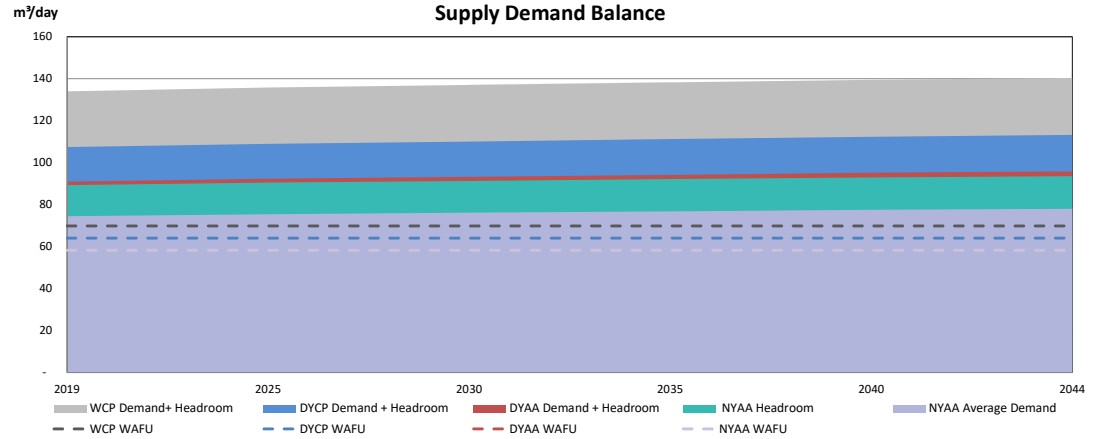
Base Demand in 2019	
Domestic Demand (m ³ /day)	22
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	51
Demand (m³/day)	74

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	74	15	89	91	107	134
2025	75	15	91	92	109	136
2030	76	15	91	93	110	137
2035	77	15	92	94	111	138
2040	77	15	93	95	112	139
2044	78	16	94	96	113	140

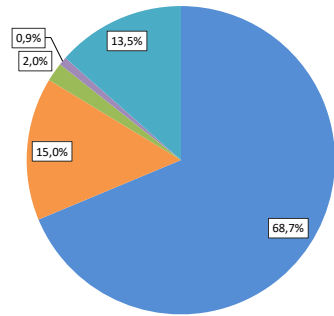
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000184	Mongear -Moin Rua WTP	70	58	64	No Licence	67	22Hr	64	-	64	
TOTAL		70	58	64	-	67		64	-	64	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	58	58	64	70	31	33	43	64	
2025	58	58	64	70	32	34	45	66	
2030	58	58	64	70	33	35	46	67	
2035	58	58	64	70	34	36	47	68	
2040	58	58	64	70	35	37	48	69	
2044	58	58	64	70	35	38	49	70	

WRZ CODE	3300SC0015	WRZ Name	Davidstown	Study Area	M	Study Group		Local Authority	Wexford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	10
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	2
Demand (m³/day)	14

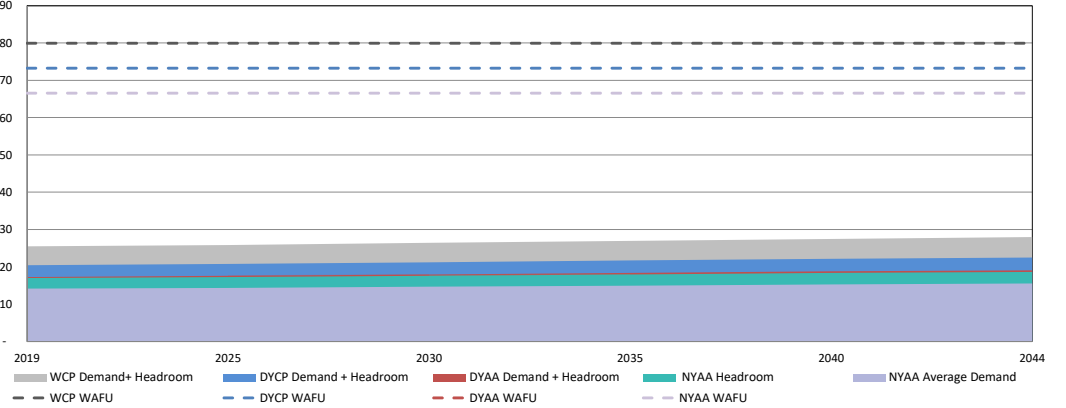
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	14	3	17	17	20	26
2025	14	3	17	18	21	26
2030	15	3	18	18	21	26
2035	15	3	18	18	22	27
2040	15	3	18	19	22	28
2044	16	3	19	19	23	28

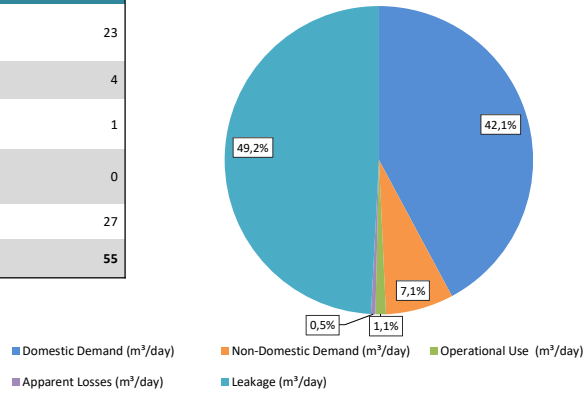
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000668	Davidstown WTP	80	67	73	No Licence	77	22Hr	73	-	73	
TOTAL											
		80	67	73	-	77		73	-	73	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	67	67	73	80	50	49	53	54
2025	67	67	73	80	49	49	53	54
2030	67	67	73	80	49	49	52	54
2035	67	67	73	80	49	48	52	53
2040	67	67	73	80	48	48	51	52
2044	67	67	73	80	48	48	51	52

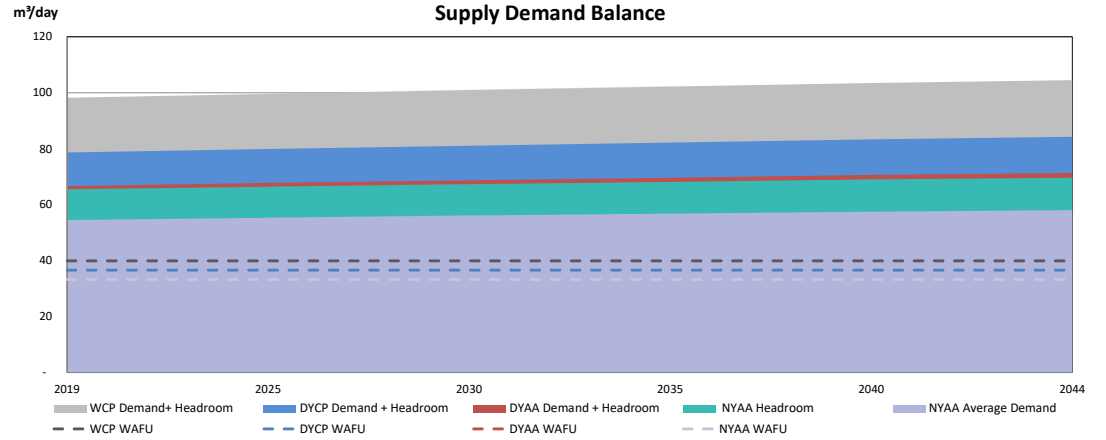
WRZ CODE	3300SC0017	WRZ Name	Glynn	Study Area	M	Study Group		Local Authority	Wexford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	23
Non-Domestic Demand (m ³ /day)	4
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	27
Demand (m³/day)	55

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	55	11	65	67	79	98
2025	55	11	66	68	80	100
2030	56	11	67	69	81	101
2035	57	11	68	70	82	102
2040	57	11	69	71	83	103
2044	58	12	70	71	84	105

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000460	Glynn WTP	40	33	37	No Licence	38	22Hr	37	-	37	
TOTAL		40	33	37	-	38		37	-	37	

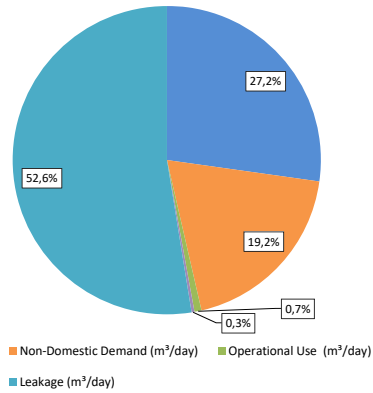
Supply Demand Balance

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	33	33	37	40	32	33	42	58
2025	33	33	37	40	33	34	43	60
2030	33	33	37	40	34	35	44	61
2035	33	33	37	40	35	36	46	62
2040	33	33	37	40	36	37	47	63
2044	33	33	37	40	36	38	48	65

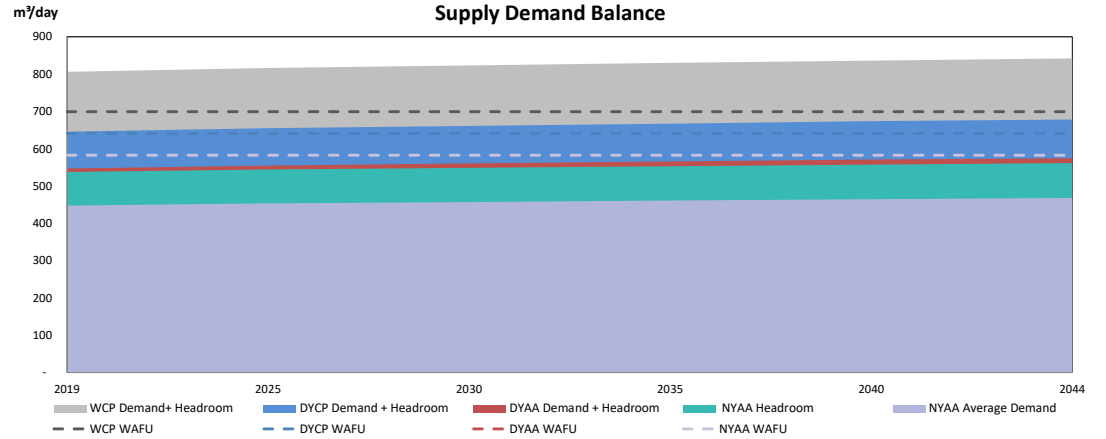
WRZ CODE	3300SC0020	WRZ Name	Coolgreany	Study Area	M	Study Group		Local Authority	Wexford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	122
Non-Domestic Demand (m ³ /day)	86
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	235
Demand (m³/day)	448

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	448	90	537	547	646	806
2025	453	91	544	555	655	816
2030	457	91	549	560	661	823
2035	461	92	553	566	667	830
2040	465	93	558	571	674	837
2044	468	94	561	575	679	842

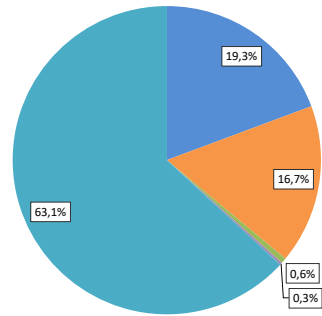
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001160	Knockgreany WTP	700	583	642	No Licence	670	22Hr	642	-	642	
TOTAL		700	583	642	-	670		642	-	642	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	583	583	642	700	46	36	4	106	
2025	583	583	642	700	39	28	13	116	
2030	583	583	642	700	35	23	20	123	
2035	583	583	642	700	30	18	26	130	
2040	583	583	642	700	26	12	32	137	
2044	583	583	642	700	22	9	37	142	

WRZ CODE	3300SC0022	WRZ Name	Carrigbyrne	Study Area	M	Study Group		Local Authority	Wexford
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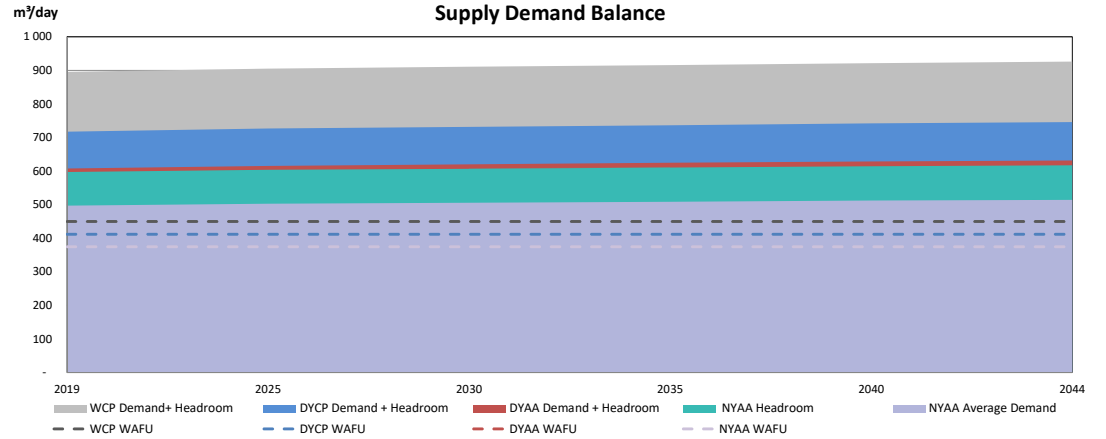
Base Demand in 2019	
Domestic Demand (m ³ /day)	96
Non-Domestic Demand (m ³ /day)	83
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	314
Demand (m³/day)	497

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	497	99	597	608	718	895
2025	503	101	604	616	727	905
2030	506	101	607	620	732	911
2035	509	102	611	625	737	916
2040	512	102	614	629	742	922
2044	514	103	617	632	746	926

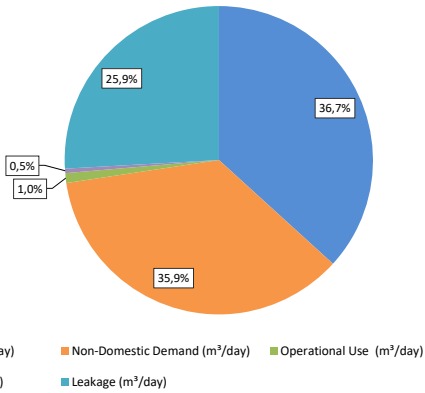
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000356	Carrickbyrne WTP	450	375	413	No Licence	431	22Hr	413	-	413	
TOTAL		450	375	413	-	431		413	-	413	

Year	WAFU					Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	375	375	413	450	222	233	305	445	445	
2025	375	375	413	450	229	241	314	455	455	
2030	375	375	413	450	232	245	319	461	461	
2035	375	375	413	450	236	250	324	466	466	
2040	375	375	413	450	239	254	330	472	472	
2044	375	375	413	450	242	257	334	476	476	

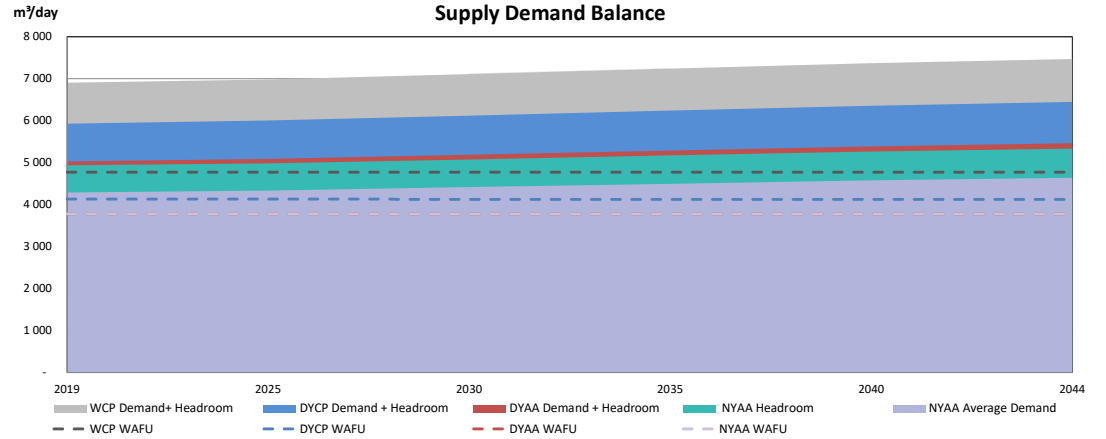
WRZ CODE	3300SC0023	WRZ Name	Enniscorthy	Study Area	M	Study Group		Local Authority	Wexford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 577
Non-Domestic Demand (m ³ /day)	1 540
Operational Use (m ³ /day)	45
Apparent Losses (m ³ /day)	20
Leakage (m ³ /day)	1 111
Demand (m³/day)	4 292

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4 292	644	4 935	5 028	5 933	6 910
2025	4 337	651	4 987	5 088	6 003	6 982
2030	4 417	663	5 080	5 188	6 122	7 112
2035	4 498	675	5 172	5 289	6 241	7 241
2040	4 578	687	5 265	5 390	6 359	7 370
2044	4 642	696	5 338	5 466	6 453	7 474

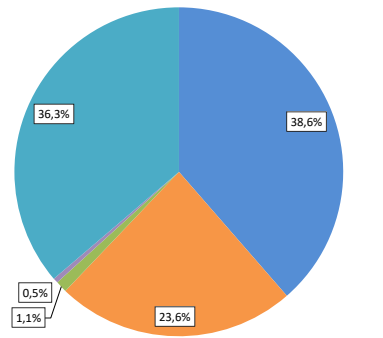
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP000382	Edermin WTP	200	167	183	No Licence	575	22Hr	183	-	183	
WTP0001078	Kilagoley WTP	576	480	528	No Licence	287	Yield	279	-	279	
WTP0001209	Vinegar Hill WTP	4 000	3 333	3 667	9 000	100 549	22Hr	3 667	-	3 667	
TOTAL		4 776	3 980	4 378	9 000	101 411		4 129	-	4 129	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	3 788	3 788	4 138	4 776	1 148	1 240	1 794	2 134	
2025	3 783	3 785	4 135	4 776	1 204	1 303	1 869	2 206	
2030	3 779	3 781	4 131	4 776	1 300	1 407	1 990	2 336	
2035	3 778	3 780	4 130	4 776	1 394	1 509	2 110	2 465	
2040	3 777	3 779	4 129	4 776	1 487	1 610	2 229	2 594	
2044	3 776	3 779	4 129	4 776	1 562	1 687	2 324	2 698	

WRZ CODE	3300SC0025	WRZ Name	New Ross	Study Area	L	Study Group		Local Authority	Wexford
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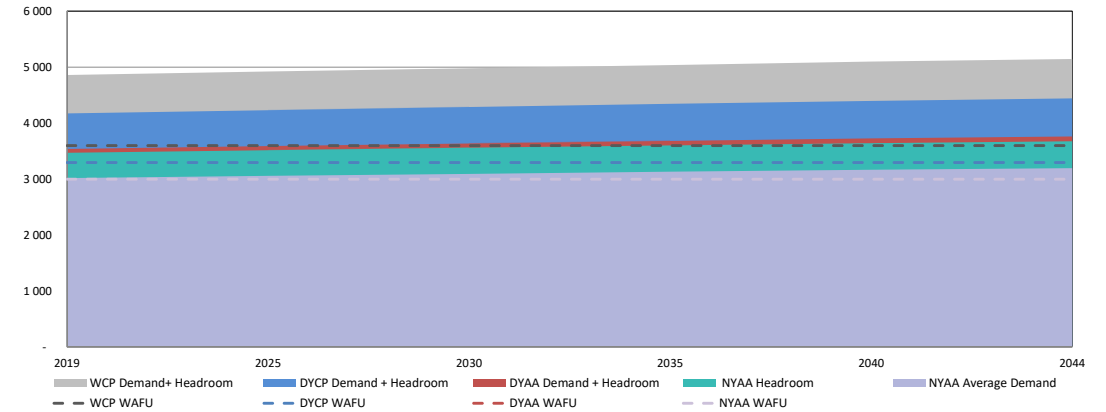
Base Demand in 2019	
Domestic Demand (m ³ /day)	1 165
Non-Domestic Demand (m ³ /day)	711
Operational Use (m ³ /day)	34
Apparent Losses (m ³ /day)	15
Leakage (m ³ /day)	1 095
Demand (m³/day)	3 019

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3 019	453	3 472	3 537	4 173	4 861
2025	3 058	459	3 517	3 588	4 233	4 923
2030	3 094	464	3 558	3 634	4 288	4 982
2035	3 130	470	3 600	3 681	4 343	5 040
2040	3 166	475	3 641	3 728	4 398	5 098
2044	3 195	479	3 674	3 762	4 442	5 144

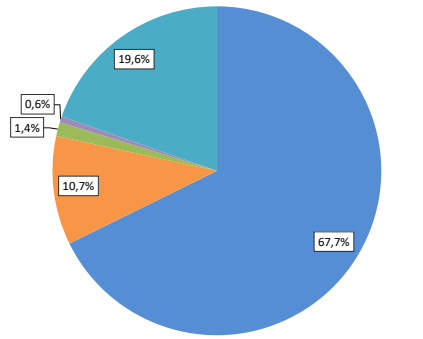
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000559	Castlemoyle WTP	3 600	3 000	3 300	4 545	7 242	22Hr	3 300	-	3 300	Significant Reduction
TOTAL		3 600	3 000	3 300	4 545	7 242		3 300	-	3 300	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	3 000	3 000	3 300	3 600	472	537	873	1 261	3 000	3 000	3 300
2025	3 000	3 000	3 300	3 600	517	588	933	1 323	3 000	3 000	3 300
2030	3 000	3 000	3 300	3 600	558	634	988	1 382	3 000	3 000	3 300
2035	3 000	3 000	3 300	3 600	600	681	1 043	1 440	3 000	3 000	3 300
2040	3 000	3 000	3 300	3 600	641	728	1 098	1 498	3 000	3 000	3 300
2044	3 000	3 000	3 300	3 600	674	762	1 142	1 544	3 000	3 000	3 300

WRZ CODE	3300SC0027	WRZ Name	Woodview Drive Adamstown	Study Area	M	Study Group		Local Authority	Wexford
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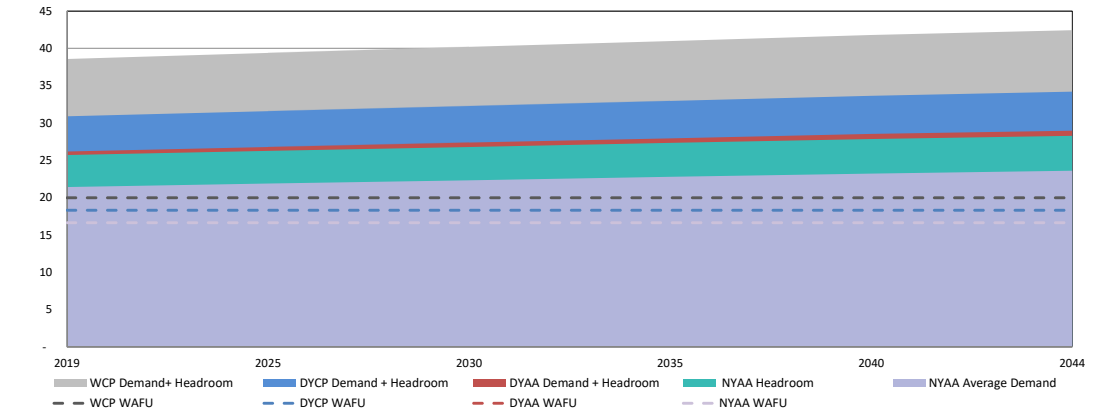
Base Demand in 2019	
Domestic Demand (m³/day)	15
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	4
Demand (m³/day)	21

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	21	4	26	26	31	39
2025	22	4	26	27	32	39
2030	22	4	27	27	32	40
2035	23	5	27	28	33	41
2040	23	5	28	29	34	42
2044	24	5	28	29	34	42

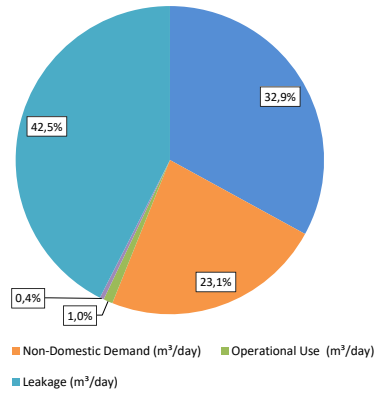
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000071	Adamstown WTP	20	17	18	No Licence	38	22Hr	18	-	18	
TOTAL		20	17	18	-	38		18	-	18	

Year	WAFU				Supply Demand Balance							
	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	17	17	18	20	9	10	13	19	10	10	13	19
2025	17	17	18	20	10	10	13	19	10	10	13	19
2030	17	17	18	20	10	11	14	20	10	11	14	20
2035	17	17	18	20	11	11	15	21	11	11	15	21
2040	17	17	18	20	11	12	15	22	11	12	15	22
2044	17	17	18	20	12	12	16	22	12	12	16	22

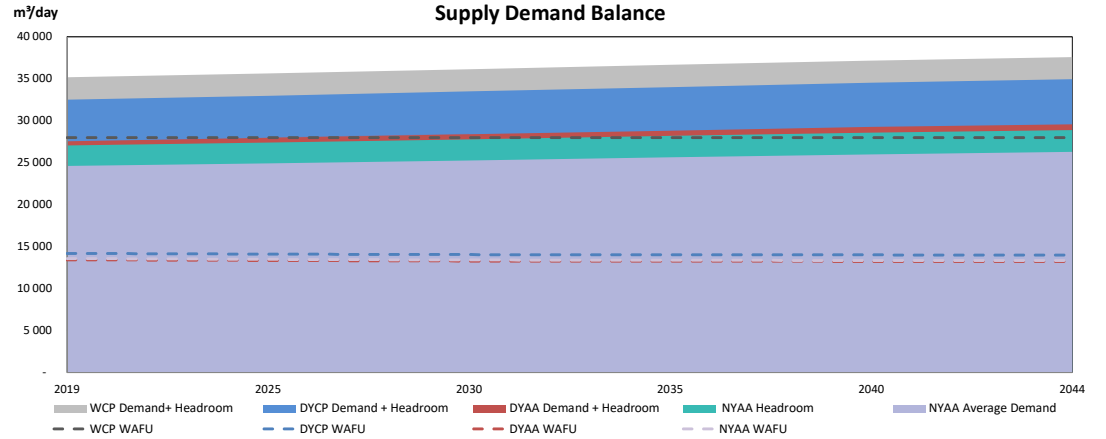
WRZ CODE	3300SC0031	WRZ Name	South East Wexford (Incl.	Study Area	M	Study Group	Local Authority	Wexford
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Base Demand in	2019
Domestic Demand (m ³ /day)	8 105
Non-Domestic Demand (m ³ /day)	5 691
Operational Use (m ³ /day)	241
Apparent Losses (m ³ /day)	105
Leakage (m ³ /day)	10 460
Demand (m³/day)	24 602

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	24 602	2 460	27 062	27 569	32 530	35 181
2025	24 914	2 491	27 405	27 957	32 987	35 626
2030	25 273	2 527	27 800	28 393	33 502	36 140
2035	25 632	2 563	28 195	28 831	34 018	36 653
2040	25 991	2 599	28 590	29 270	34 530	37 166
2044	26 278	2 628	28 906	29 594	34 940	37 577

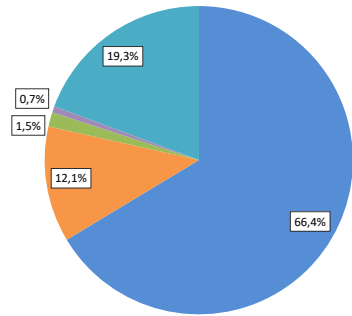
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP000083	Ballinellard WTP	450	375	413	No Licence	575	22Hr	413	-	413	
WTP000113	Killmallock Bridge WTP	3 200	2 667	2 933	No Licence	7 819	22Hr	2 933	-	2 933	
WTP0000731	Taylorstown New WTP	5 450	4 542	4 996	No Licence	9 651	22Hr	4 996	-	4 996	Significant Reduction
WTP0000214	Newtown WTP	7 500	6 250	6 875	10 000	928	Yield	858	-	858	Critical - Low Flow Intervention
WTP0000159	Mayglass WTP	12 000	10 000	11 000	No Licence	5 224	Yield	5 068	-	253	4 814
TOTAL		28 600	23 833	26 217	10 000	24 197		14 267	-	253	14 014

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	13 600	13 453	14 211	28 000	13 462	14 116	18 318	7 181	
2025	13 504	13 374	14 132	28 000	13 901	14 583	18 855	7 626	
2030	13 424	13 308	14 066	28 000	14 376	15 085	19 435	8 140	
2035	13 400	13 288	14 047	28 000	14 795	15 542	19 972	8 653	
2040	13 378	13 270	14 029	28 000	15 212	16 000	20 502	9 166	
2044	13 360	13 256	14 014	28 000	15 545	16 338	20 926	9 577	

WRZ CODE	3300SC0032	WRZ Name	Ballyhogue	Study Area	M	Study Group		Local Authority	Wexford
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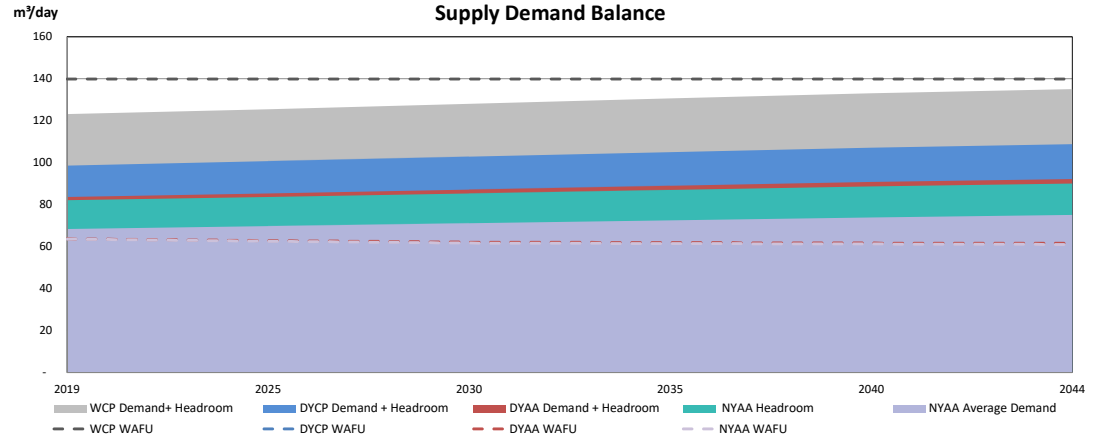
Base Demand in 2019	
Domestic Demand (m ³ /day)	45
Non-Domestic Demand (m ³ /day)	8
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	13
Demand (m³/day)	68

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	68	14	82	84	99	123
2025	70	14	84	85	101	126
2030	71	14	85	87	103	128
2035	73	15	87	89	105	131
2040	74	15	89	91	107	133
2044	75	15	90	92	109	135

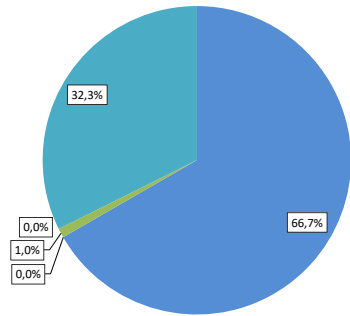
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000245	Ballyhogue WTP	140	117	128	No Licence	62	Yield	62	-	62	
TOTAL		140	117	128	-	62		62	-	62	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	64	64	64	140	18	20	35	17	
2025	63	63	63	140	21	22	38	14	
2030	62	62	62	140	24	25	41	12	
2035	62	62	62	140	26	27	43	9	
2040	61	62	62	140	27	29	45	7	
2044	61	62	62	140	29	31	47	5	

WRZ CODE	3300SC0066	WRZ Name	Raheen	Study Area	M	Study Group		Local Authority	Wexford
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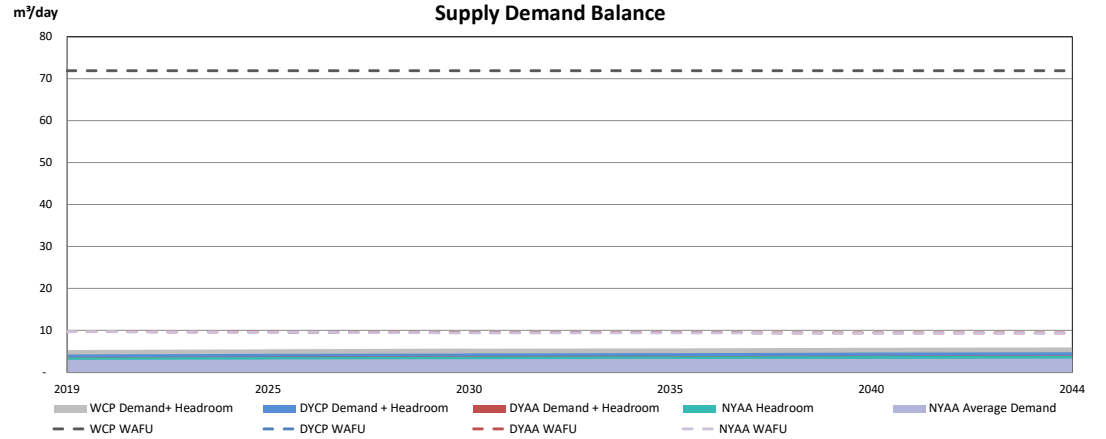
Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	1
Demand (m³/day)	3

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3	1	4	4	4	5
2025	3	1	4	4	4	6
2030	3	1	4	4	5	6
2035	3	1	4	4	5	6
2040	3	1	4	4	5	6
2044	3	1	4	4	5	6

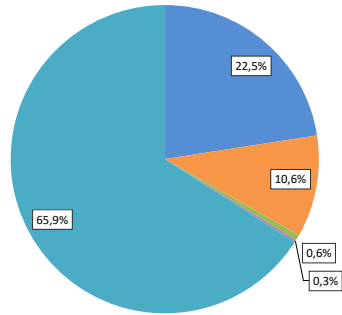
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000100	Raheen (Adamstown) WTP	72	60	66	No Licence	10	Yield	9	-	9	
TOTAL		72	60	66	-	10		9	-	9	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	10	10	72	6	6	5	67
2025	10	10	10	72	6	6	5	66
2030	10	10	10	72	6	6	5	66
2035	9	10	10	72	6	6	5	66
2040	9	10	10	72	6	6	5	66
2044	9	9	9	72	5	5	5	66

WRZ CODE	3300SC0077	WRZ Name	Bree	Study Area	M	Study Group		Local Authority	Wexford
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Base Demand in 2019	
Domestic Demand (m ³ /day)	47
Non-Domestic Demand (m ³ /day)	22
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	138
Demand (m³/day)	210

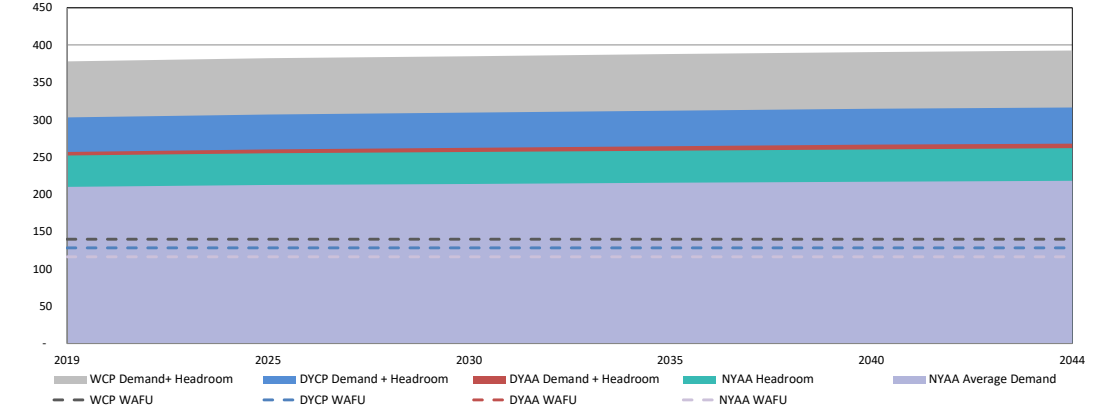
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	210	42	252	257	303	378
2025	213	43	255	260	307	383
2030	214	43	257	262	310	385
2035	216	43	259	264	312	388
2040	217	43	260	267	314	391
2044	218	44	262	268	316	393

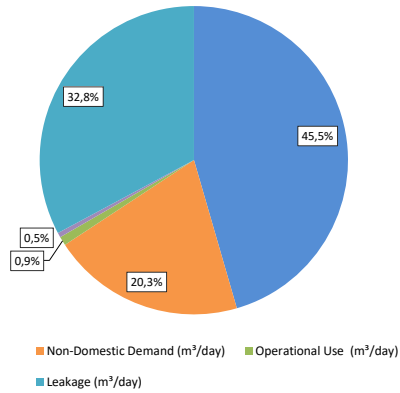
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000317	Bree WTP	140	117	128	No Licence	230	22Hr	128	-	128	
TOTAL		140	117	128	-	230		128	-	128	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WAFU (m ³ /day)	Operational Comments from Drought 2018
2019	117	117	128	140	135	140	175	238		
2025	117	117	128	140	138	144	179	243		
2030	117	117	128	140	140	146	181	245		
2035	117	117	128	140	142	148	184	248		
2040	117	117	128	140	144	150	186	251		
2044	117	117	128	140	145	151	188	253		

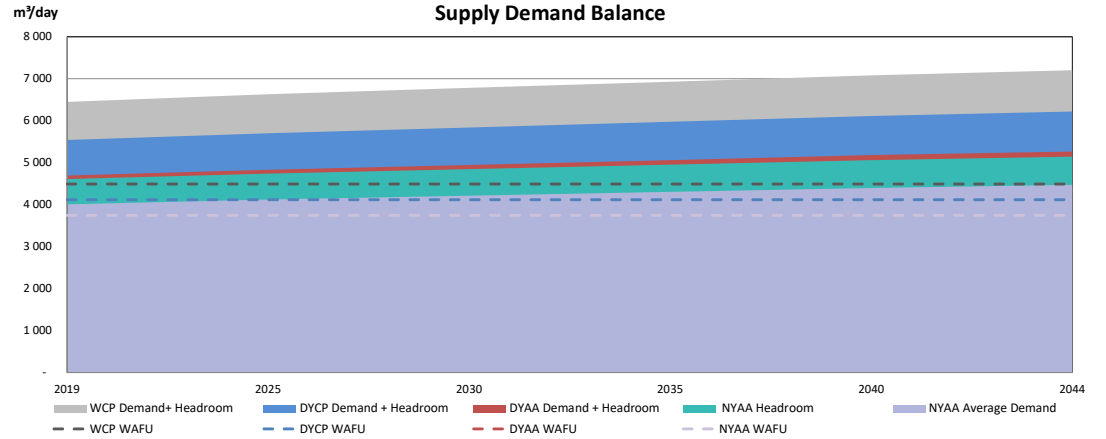
WRZ CODE	3400SC0001	WRZ Name	Arklow Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1 823
Non-Domestic Demand (m ³ /day)	812
Operational Use (m ³ /day)	38
Apparent Losses (m ³ /day)	19
Leakage (m ³ /day)	1 316
Demand (m³/day)	4 007

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4 007	601	4 608	4 694	5 539	6 451
2025	4 120	618	4 738	4 834	5 704	6 634
2030	4 213	632	4 845	4 949	5 839	6 783
2035	4 306	646	4 952	5 064	5 975	6 933
2040	4 399	660	5 059	5 179	6 110	7 082
2044	4 473	671	5 144	5 267	6 218	7 202

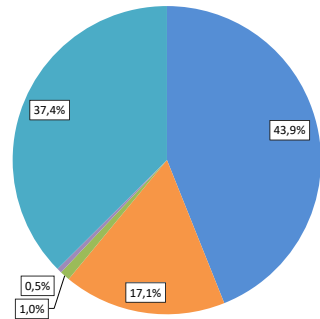
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000050	Arklow (Ballyduff) WTP	4 500	3 750	4 125	No Licence	7 762	22Hr	4 125	-	4 125	
TOTAL		4 500	3 750	4 125	-	7 762		4 125	-	4 125	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	3 750	3 750	4 125	4 500	858	944	1 414	1 951	
2025	3 750	3 750	4 125	4 500	988	1 084	1 579	2 134	
2030	3 750	3 750	4 125	4 500	1 095	1 199	1 714	2 283	
2035	3 750	3 750	4 125	4 500	1 202	1 314	1 850	2 433	
2040	3 750	3 750	4 125	4 500	1 309	1 429	1 985	2 582	
2044	3 750	3 750	4 125	4 500	1 394	1 517	2 093	2 702	

WRZ CODE	3400SC0002	WRZ Name	Tinahely Regional Supply	Study Area	1	Study Group		Local Authority	Wexford
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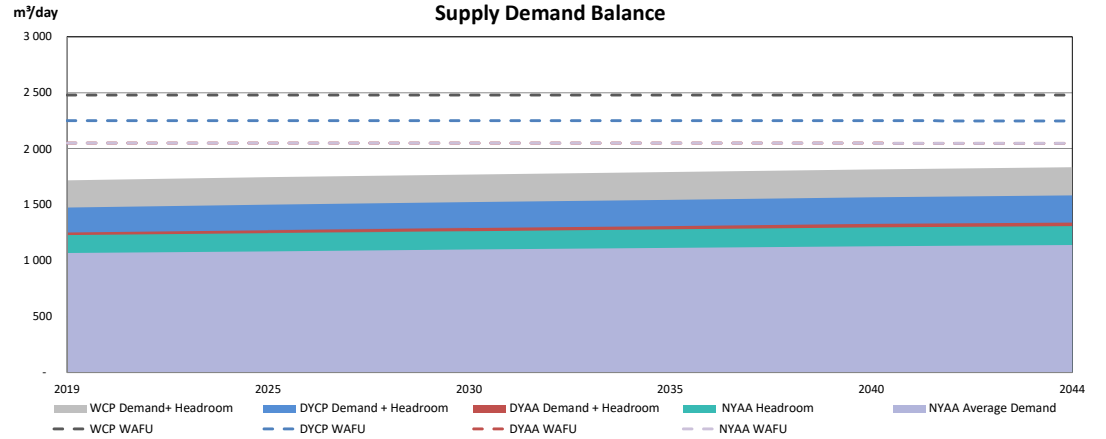
Base Demand in 2019	
Domestic Demand (m ³ /day)	469
Non-Domestic Demand (m ³ /day)	182
Operational Use (m ³ /day)	11
Apparent Losses (m ³ /day)	6
Leakage (m ³ /day)	399
Demand (m³/day)	1 067

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1 067	160	1 227	1 250	1 475	1 718
2025	1 084	163	1 246	1 271	1 500	1 745
2030	1 098	165	1 263	1 290	1 522	1 768
2035	1 113	167	1 280	1 309	1 544	1 792
2040	1 127	169	1 296	1 327	1 566	1 815
2044	1 139	171	1 310	1 341	1 583	1 834

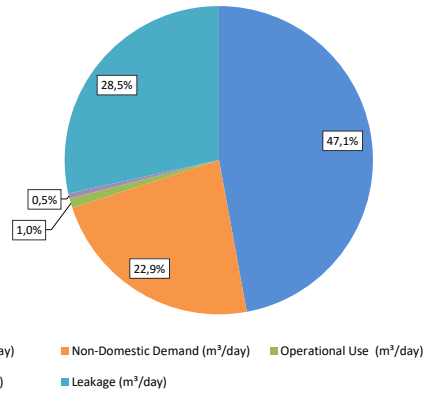
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000760	Tinahely Regional WTP	2 400	2 000	2 200	No Licence	3 674	22Hr	2 200	-	2 200	
WTP0000831	Askamore Dunishal WTP	80	67	73	No Licence	51	Yield	51	-	51	Issue Capacity / Yield (Unknown)
TOTAL		2 480	2 067	2 273	-	3 725		2 251	-	2 251	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	2 052	2 052	2 252	2 480	825	802	777	762	
2025	2 051	2 052	2 252	2 480	805	780	751	735	
2030	2 051	2 051	2 251	2 480	788	761	729	712	
2035	2 051	2 051	2 251	2 480	771	742	707	688	
2040	2 050	2 051	2 251	2 480	754	723	685	665	
2044	2 050	2 051	2 251	2 480	740	710	667	646	

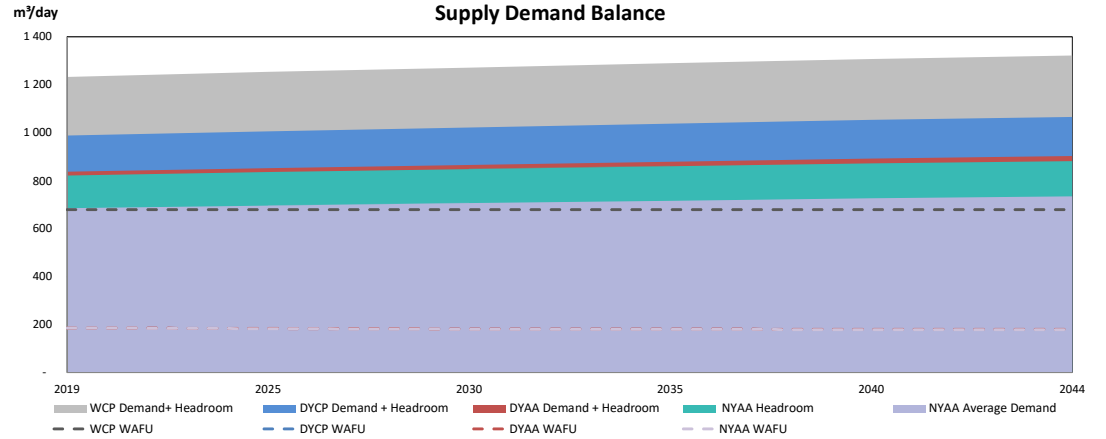
WRZ CODE	3400SC003	WRZ Name	Baltinglass Public Supply	Study Area	2	Study Group		Local Authority	Wicklow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	323
Non-Domestic Demand (m ³ /day)	157
Operational Use (m ³ /day)	7
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	195
Demand (m³/day)	685

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	685	137	822	837	988	1233
2025	697	139	836	853	1006	1254
2030	707	141	848	866	1022	1272
2035	717	143	860	879	1038	1290
2040	727	145	872	893	1053	1308
2044	735	147	882	903	1066	1322

Water Available for Use in 2044 DYCP

WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000341	Baltinglass WTP	680	567	623	No Licence	182	Yield	180	-	180	
TOTAL		680	567	623	-	182		180	-	180	

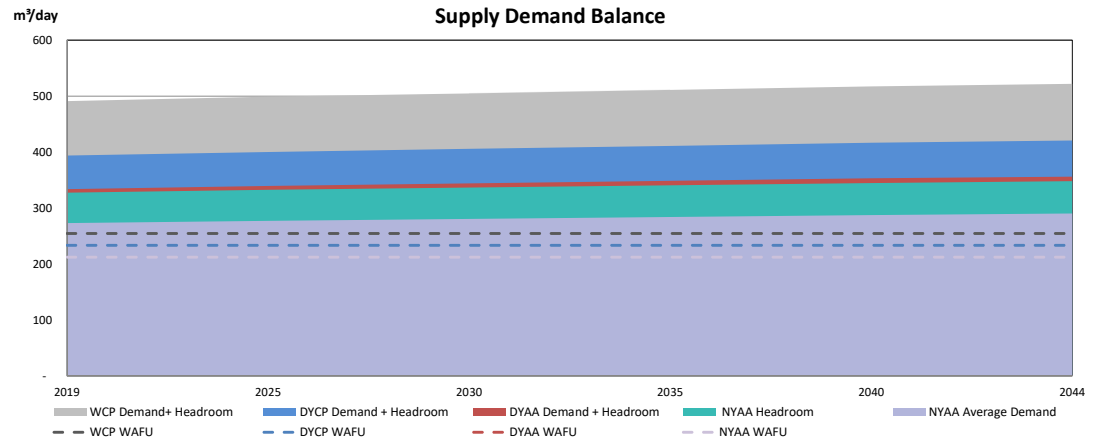
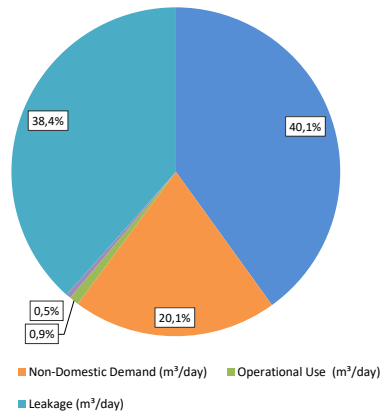
Supply Demand Balance

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU (m ³ /day)
2019	186	187	187	680	636	651	801	553	137	180
2025	183	184	184	680	653	669	822	574	139	180
2030	181	182	182	680	667	684	840	592	141	180
2035	180	182	182	680	680	698	856	610	143	180
2040	180	181	181	680	693	712	872	628	145	180
2044	179	180	180	680	703	722	885	642	147	180

WRZ CODE	3400SC0004	WRZ Name	Dunlavin Public Supply	Study Area	2	Study Group		Local Authority	Wicklow
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Base Demand in	2019
Domestic Demand (m ³ /day)	109
Non-Domestic Demand (m ³ /day)	55
Operational Use (m ³ /day)	3
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	105
Demand (m³/day)	273

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	273	55	328	334	394	491
2025	277	55	333	339	400	499
2030	281	56	337	344	406	505
2035	284	57	341	348	411	511
2040	287	57	345	353	417	517
2044	290	58	348	356	421	522

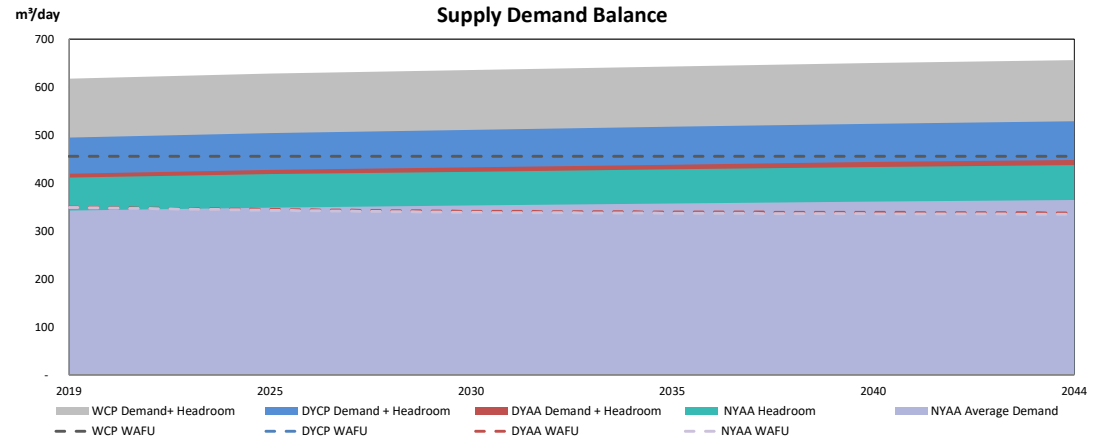
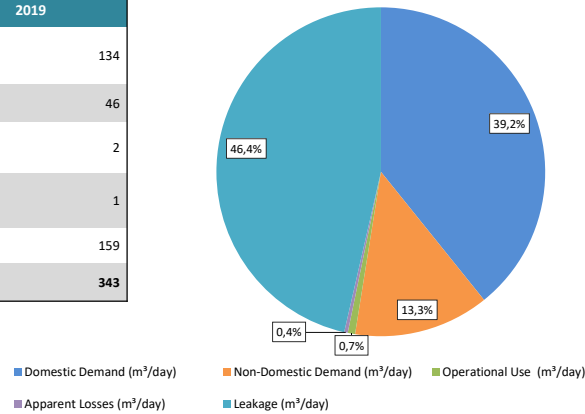
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000377	Dunlavin WTP	255	213	234	No Licence	244	22Hr	234	-	234	
TOTAL		255	213	234	-	244		234	-	234	

Year	WAFU					Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	213	213	234	255	115	121	160	236	115	121	160	236
2025	213	213	234	255	120	127	167	244	120	127	167	244
2030	213	213	234	255	124	131	172	250	124	131	172	250
2035	213	213	234	255	128	136	177	256	128	136	177	256
2040	213	213	234	255	132	141	183	262	132	141	183	262
2044	213	213	234	255	136	144	187	267	136	144	187	267

WRZ CODE	3400SC0005	WRZ Name	Hollywood Donard Public Supply	Study Area	2	Study Group		Local Authority	Wicklow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	134
Non-Domestic Demand (m ³ /day)	46
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	159
Demand (m³/day)	343

Components of Base Demand 2019



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	343	69	412	419	495	617
2025	349	70	419	427	504	628
2030	353	71	424	433	511	636
2035	357	71	429	438	517	643
2040	361	72	434	444	524	651
2044	365	73	438	448	529	657

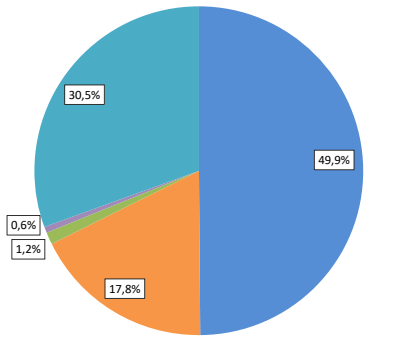
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000705	Slievacorragh WTP	456	380	418	No Licence	349	Yield	338	-	338	
TOTAL		456	380	418	-	349		338	-	338	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)	WCP (m ³ /day)
2019	349	350	350	350	456	62	69	145	161	
2025	344	345	345	345	456	75	82	159	172	
2030	339	341	341	341	456	85	91	169	180	
2035	338	340	340	340	456	91	98	177	187	
2040	336	339	339	339	456	97	105	185	195	
2044	335	338	338	338	456	102	110	191	201	

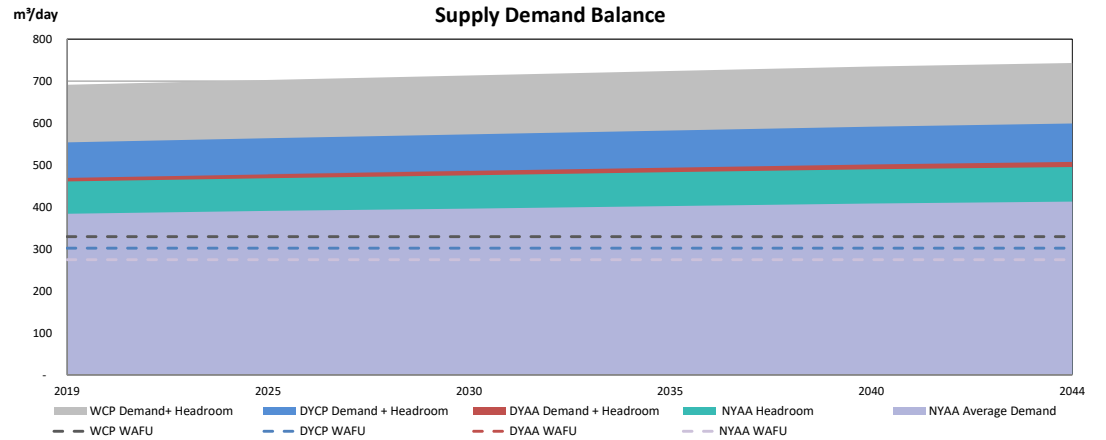
WRZ CODE	3400SC0006	WRZ Name	Aughrim Annacurra Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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Base Demand in	2019
Domestic Demand (m ³ /day)	192
Non-Domestic Demand (m ³ /day)	68
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	117
Demand (m³/day)	384

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	384	77	461	470	554	692
2025	391	78	469	478	564	703
2030	397	79	476	486	573	714
2035	402	80	483	494	583	724
2040	408	82	490	502	592	735
2044	413	83	496	508	599	744

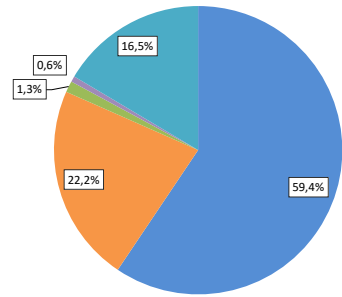
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000054	Aughrim / Annacurragh WTP	330	275	303	No Licence	314	22Hr	303	-	303	
TOTAL		330	275	303	-	314		303	-	303	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	275	275	303	330	186	195	252	362	186	195	252
2025	275	275	303	330	194	203	262	373	194	203	262
2030	275	275	303	330	201	211	271	384	201	211	271
2035	275	275	303	330	208	219	280	394	208	219	280
2040	275	275	303	330	215	227	289	405	215	227	289
2044	275	275	303	330	221	233	297	414	221	233	297

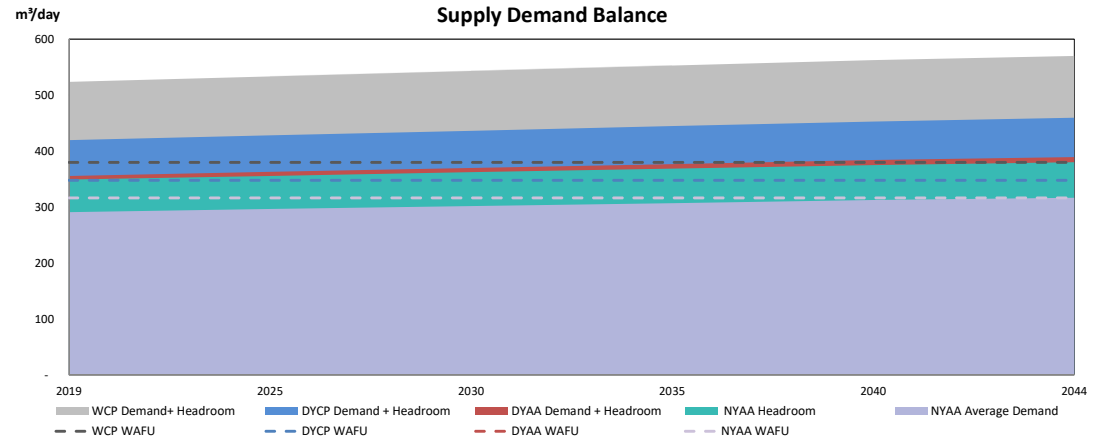
WRZ CODE	3400SC0007	WRZ Name	Avoca Ballinaclash Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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Base Demand in	2019
Domestic Demand (m ³ /day)	173
Non-Domestic Demand (m ³ /day)	65
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	48
Demand (m³/day)	291

Components of Base Demand 2019



- Domestic Demand (m³/day)
- Non-Domestic Demand (m³/day)
- Operational Use (m³/day)
- Apparent Losses (m³/day)
- Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	291	58	349	356	420	524
2025	296	59	356	363	428	534
2030	302	60	362	370	436	543
2035	307	61	369	377	445	553
2040	313	63	375	384	453	563
2044	317	63	380	389	460	570

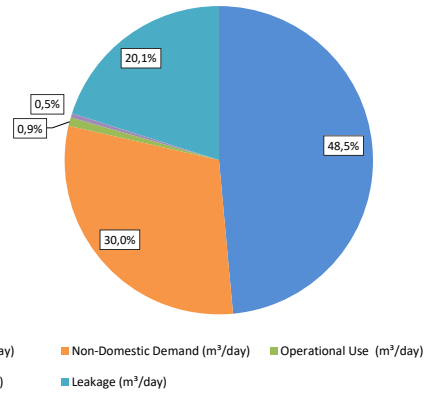
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP1000117	Avoca Ballinaclash WTP	380	317	348	No Licence	16 160	22Hr	348	-	348	
TOTAL		380	317	348	-	16 160		348	-	348	

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	317	317	348	380	32	39	71	144
2025	317	317	348	380	39	46	80	154
2030	317	317	348	380	45	53	88	163
2035	317	317	348	380	52	60	96	173
2040	317	317	348	380	58	67	105	183
2044	317	317	348	380	63	73	111	190

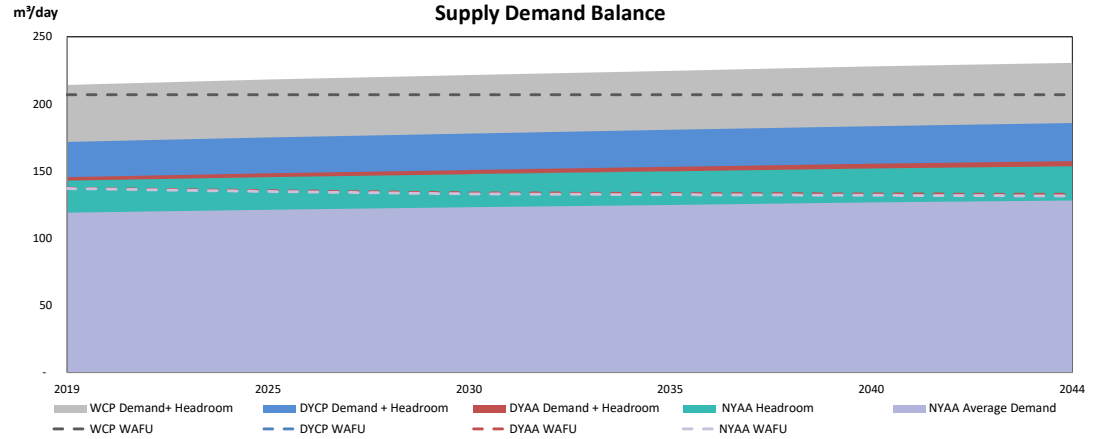
WRZ CODE	3400SC0008	WRZ Name	Ballyknockan Valleymount	Study Area	2	Study Group		Local Authority	Wicklow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	58
Non-Domestic Demand (m ³ /day)	36
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	24
Demand (m³/day)	119

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	119	24	143	145	172	214
2025	121	24	146	148	175	218
2030	123	25	148	151	178	221
2035	125	25	150	153	181	225
2040	127	25	152	156	184	228
2044	128	26	154	157	186	231

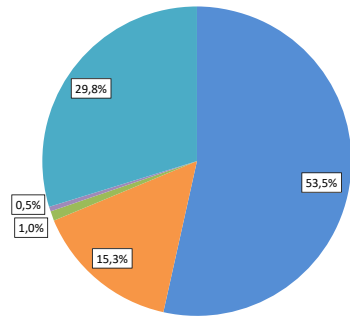
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000309	Ballyknockan WTP	207	173	190	No Licence	134	Yield	133	-	133	
TOTAL		207	173	190	-	134		133	-	133	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	137	137	137	207	6	8	34	7
2025	135	136	136	207	11	13	40	11
2030	133	134	134	207	15	17	44	14
2035	133	134	134	207	17	20	47	18
2040	132	133	133	207	20	22	50	21
2044	132	133	133	207	22	25	53	24

WRZ CODE	3400SC0009	WRZ Name	Stratford Public Supply	Study Area	2	Study Group		Local Authority	Wicklow
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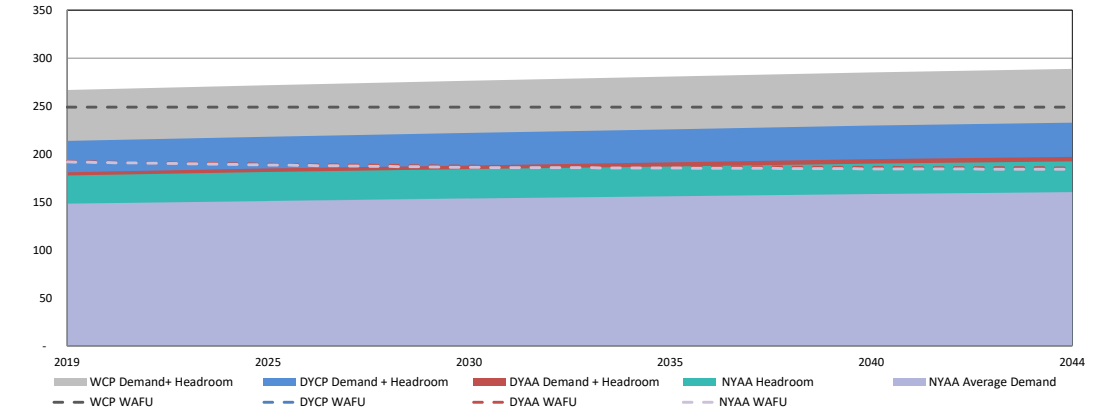
Base Demand in	2019
Domestic Demand (m ³ /day)	79
Non-Domestic Demand (m ³ /day)	23
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	44
Demand (m³/day)	148

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	148	30	178	181	214	267
2025	151	30	181	185	218	272
2030	154	31	184	188	222	276
2035	156	31	187	191	226	281
2040	158	32	190	195	230	285
2044	160	32	192	197	233	289

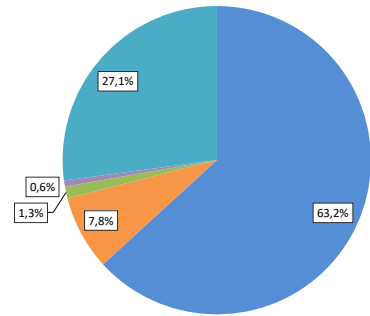
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000247	Ballyhook Hill WTP	249	208	228	No Licence	192	Yield	186	-	186	
TOTAL		249	208	228	-	192		186	-	186	

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	192	192	192	249	14	11	21	18
2025	189	190	190	249	8	5	29	23
2030	186	188	188	249	2	1	35	27
2035	186	187	187	249	2	5	39	32
2040	185	186	186	249	5	8	43	36
2044	184	186	186	249	8	11	47	40

WRZ CODE	3400SC0010	WRZ Name	Coolboy Coolafancy Public	Study Area	M	Study Group		Local Authority	Wicklow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	60
Non-Domestic Demand (m ³ /day)	7
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	26
Demand (m³/day)	95

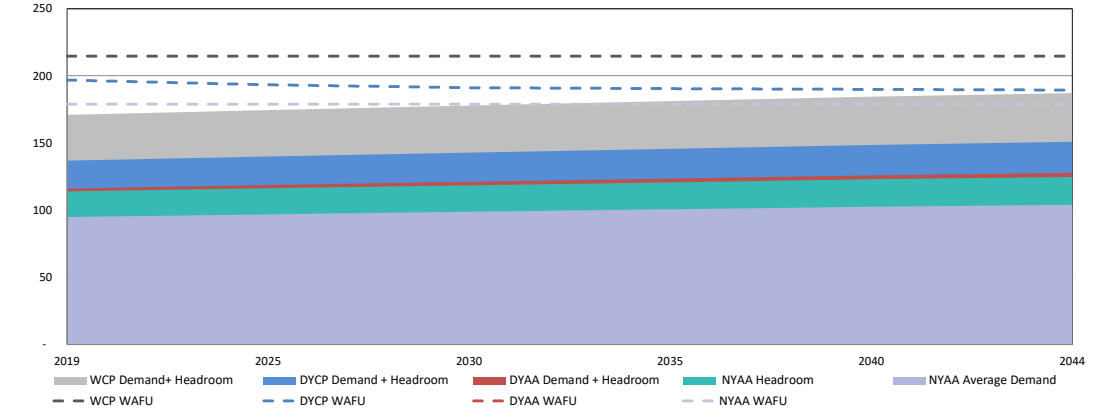
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	95	19	114	116	137	171
2025	97	19	116	119	140	175
2030	99	20	119	121	143	178
2035	101	20	121	124	146	181
2040	103	21	123	126	149	185
2044	104	21	125	128	151	187

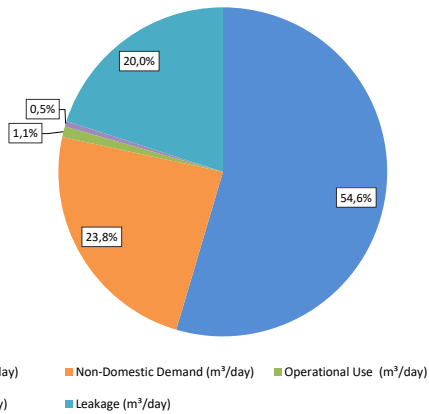
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000182	Logan WTP	215	179	197	No Licence	192	Yield	190	-	190	
TOTAL		215	179	197	-	192		190	-	190	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	179	179	197	215	65	63	60	44
2025	179	179	194	215	63	60	54	40
2030	179	179	191	215	61	58	48	37
2035	179	179	191	215	58	56	45	34
2040	179	179	190	215	56	53	41	30
2044	179	179	190	215	54	51	39	28

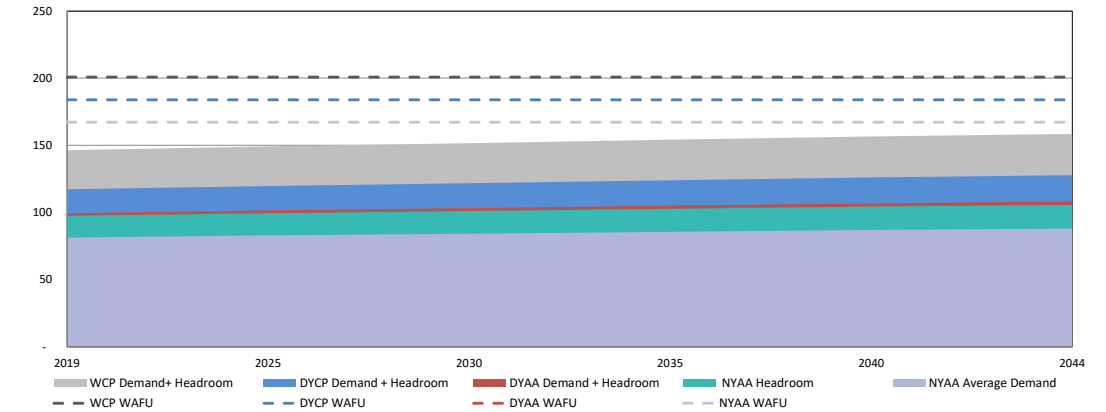
WRZ CODE	3400SC0011	WRZ Name	Kiltegan Public Supply	Study Area	2	Study Group		Local Authority	Wicklow
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Base Demand in	2019
Domestic Demand (m ³ /day)	44
Non-Domestic Demand (m ³ /day)	19
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	16
Demand (m³/day)	81

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	81	16	98	99	117	146
2025	83	17	100	102	120	149
2030	84	17	101	103	122	152
2035	86	17	103	105	124	154
2040	87	17	104	107	126	157
2044	88	18	106	108	128	159

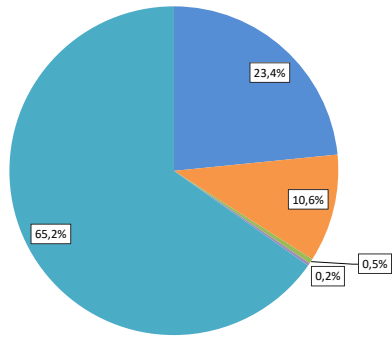
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001136	Kiltegan Pump Station WTP	201	168	184	No Licence	192	22Hr	184	-	184	
TOTAL		201	168	184	-	192		184	-	184	

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	168	168	184	201	70	68	67	55				
2025	168	168	184	201	68	66	64	52				
2030	168	168	184	201	66	64	62	49				
2035	168	168	184	201	65	62	60	47				
2040	168	168	184	201	63	61	58	44				
2044	168	168	184	201	62	59	56	42				

WRZ CODE	3400SC0012	WRZ Name	Redcross Canary Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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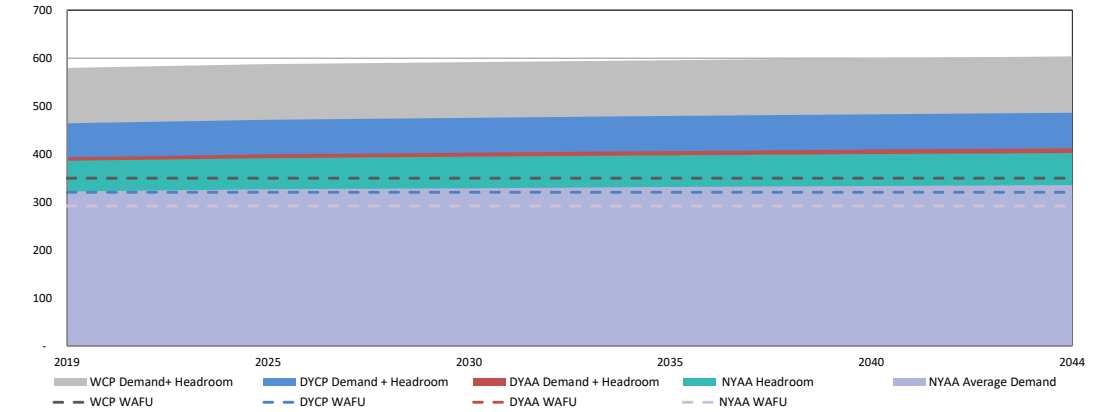
Base Demand in 2019	
Domestic Demand (m ³ /day)	75
Non-Domestic Demand (m ³ /day)	34
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	210
Demand (m³/day)	322

Components of Base Demand 2019



- Domestic Demand (m³/day)
- Non-Domestic Demand (m³/day)
- Operational Use (m³/day)
- Apparent Losses (m³/day)
- Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	322	64	386	394	464	580
2025	326	65	392	400	471	587
2030	329	66	394	403	475	592
2035	331	66	397	406	479	596
2040	333	67	400	410	483	600
2044	335	67	402	412	486	603

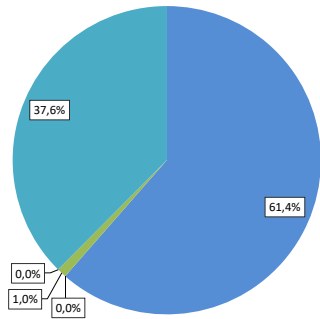
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000719	Redcross WTP	350	292	321	No Licence	399	22Hr	321	-	321	
TOTAL		350	292	321	-	399		321	-	321	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	292	292	321	350	95	102	144	230	292	292	321
2025	292	292	321	350	100	108	151	237	292	292	321
2030	292	292	321	350	103	111	155	242	292	292	321
2035	292	292	321	350	106	115	158	246	292	292	321
2040	292	292	321	350	108	118	162	250	292	292	321
2044	292	292	321	350	111	120	165	253	292	292	321

WRZ CODE	3400SC0013	WRZ Name	Raheengraney Public Supply	Study Area	M	Study Group		Local Authority	Wicklow
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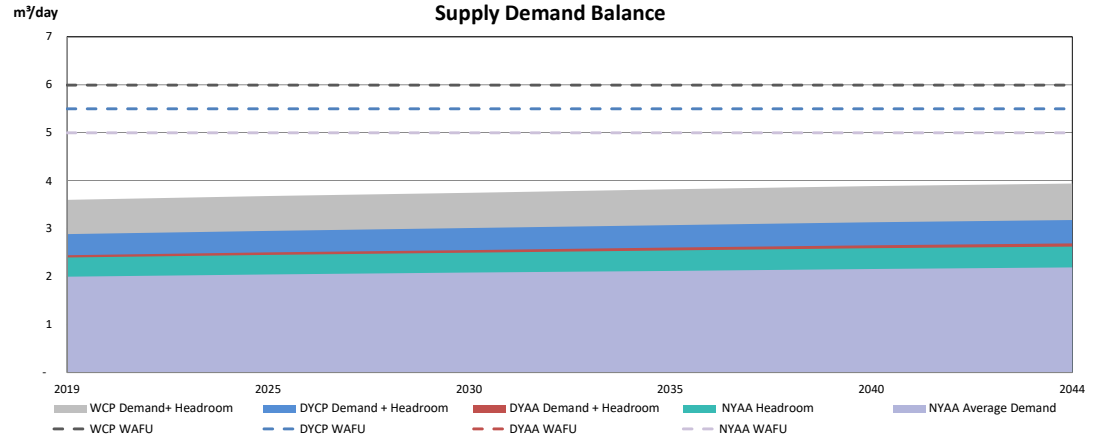
Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	1
Demand (m³/day)	2

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2	0	2	2	3	4
2025	2	0	2	3	3	4
2030	2	0	3	3	3	4
2035	2	0	3	3	3	4
2040	2	0	3	3	3	4
2044	2	0	3	3	3	4

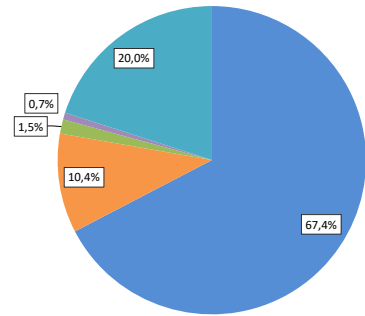
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000648	Raheengraney WTP	6	5	6	No Licence	6	22Hr	6	-	6	
TOTAL											
		6	5	6	-	6		6	-	6	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5	5	6	6	3	3	3	2
2025	5	5	6	6	3	2	3	2
2030	5	5	6	6	2	2	2	2
2035	5	5	6	6	2	2	2	2
2040	5	5	6	6	2	2	2	2
2044	5	5	6	6	2	2	2	2

WRZ CODE	3400SC0014	WRZ Name	Rathdangan Public Supply	Study Area	2	Study Group		Local Authority	Wicklow
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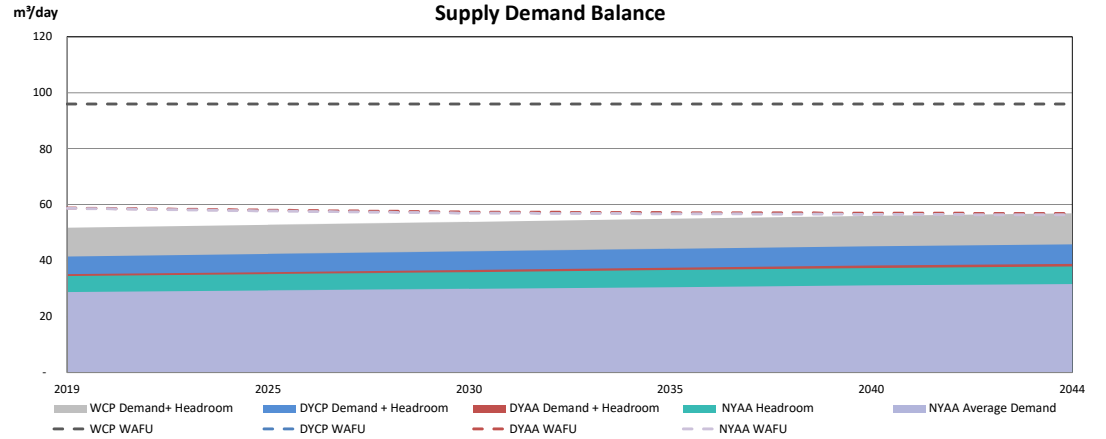
Base Demand in 2019	
Domestic Demand (m ³ /day)	19
Non-Domestic Demand (m ³ /day)	3
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	6
Demand (m³/day)	29

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	29	6	34	35	41	52
2025	29	6	35	36	42	53
2030	30	6	36	37	43	54
2035	31	6	37	37	44	55
2040	31	6	37	38	45	56
2044	32	6	38	39	46	57

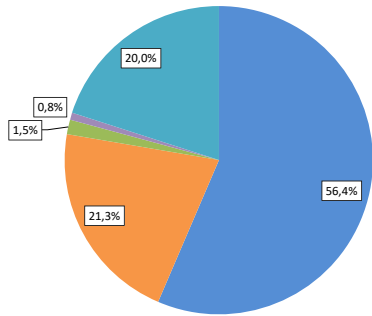
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000653	Rathdangan WTP	96	80	88	No Licence	57	Yield	57	-	57	
TOTAL		96	80	88	-	57		57	-	57	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	59	59	59	96	24	24	17	44
2025	58	58	58	96	23	22	16	43
2030	57	57	57	96	21	21	14	42
2035	57	57	57	96	20	20	13	41
2040	57	57	57	96	19	19	12	40
2044	56	57	57	96	19	18	11	39

WRZ CODE	3400SC0015	WRZ Name	Knockananna Public Supply	Study Area	2	Study Group		Local Authority	Wicklow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	20
Non-Domestic Demand (m ³ /day)	8
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	7
Demand (m³/day)	36

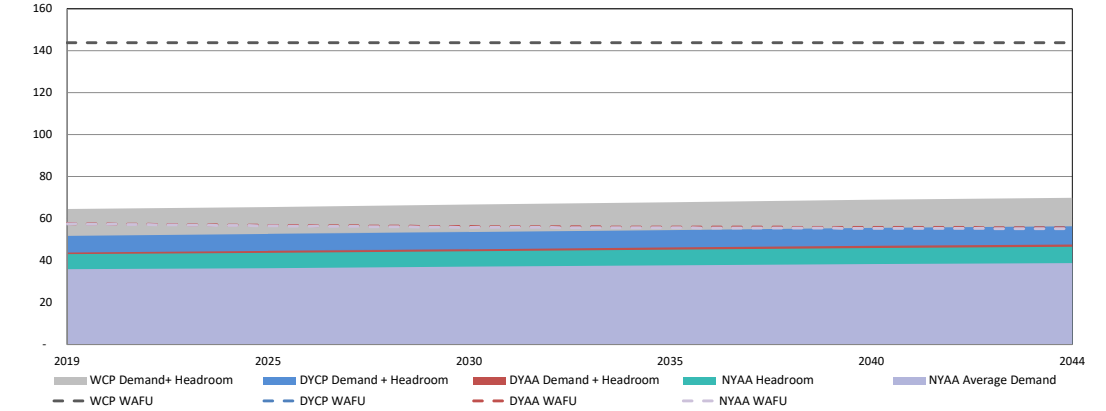
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	36	7	43	44	52	65
2025	36	7	44	45	53	66
2030	37	7	44	45	54	67
2035	38	8	45	46	55	68
2040	38	8	46	47	56	69
2044	39	8	47	48	56	70

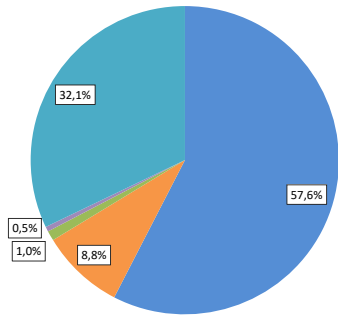
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001149	Knockananna WTP	144	120	132	No Licence	57	Yield	56	-	56	
TOTAL		144	120	132	-	57		56	-	56	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	58	58	58	144	15	14	6	79
2025	57	57	57	144	13	12	4	78
2030	56	56	56	144	11	11	3	77
2035	56	56	56	144	10	10	1	76
2040	55	56	56	144	9	9	0	75
2044	55	56	56	144	9	8	1	74

WRZ CODE	3400SC0017	WRZ Name	Barndarrig Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	41
Non-Domestic Demand (m ³ /day)	6
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	23
Demand (m³/day)	72

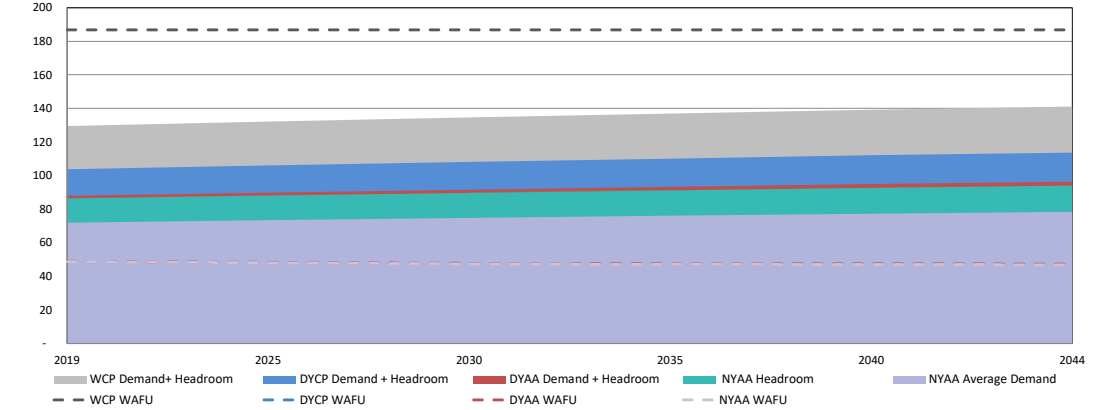
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	72	14	86	88	104	130
2025	74	15	88	90	106	132
2030	75	15	90	92	108	135
2035	76	15	91	93	110	137
2040	77	15	93	95	112	139
2044	78	16	94	96	114	141

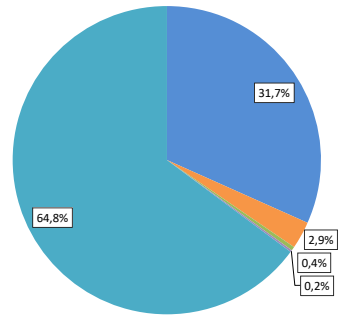
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000273	Barndarrig WTP	187	156	171	No Licence	48	Yield	47	-	47	
TOTAL		187	156	171	-	48		47	-	47	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	49	49	49	187	37	39	55	57
2025	48	48	48	187	40	42	58	55
2030	48	48	48	187	42	44	60	52
2035	47	48	48	187	44	46	62	50
2040	47	48	48	187	46	48	65	48
2044	47	47	47	187	47	49	66	46

WRZ CODE	3400SC0018	WRZ Name	Ballycoog Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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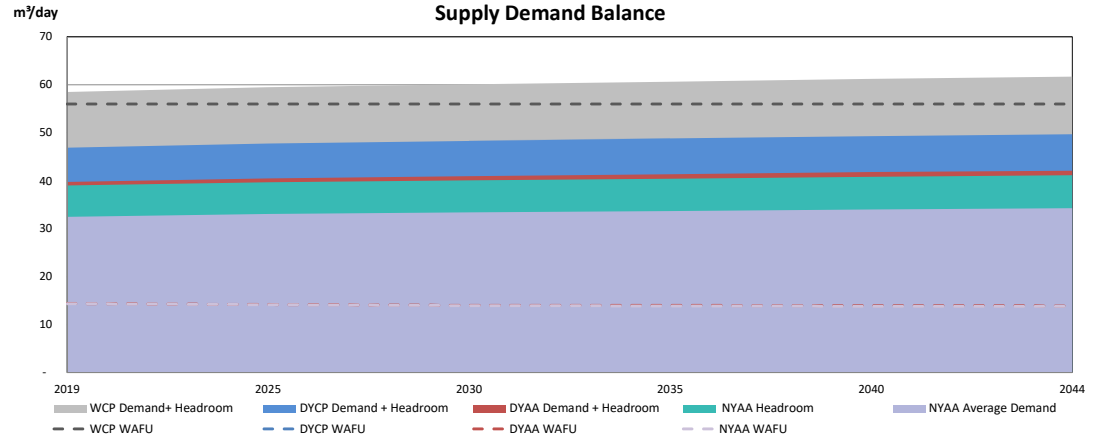
Base Demand in 2019	
Domestic Demand (m ³ /day)	10
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	21
Demand (m³/day)	32

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	32	6	39	40	47	58
2025	33	7	40	40	48	60
2030	33	7	40	41	48	60
2035	34	7	40	41	49	61
2040	34	7	41	42	49	61
2044	34	7	41	42	50	62

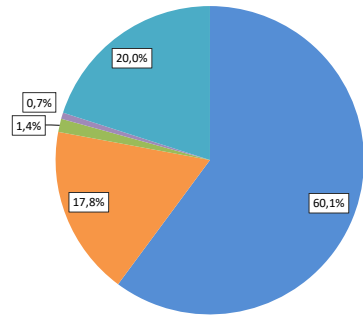
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000101	Ballycoog WTP	56	47	51	No Licence	14	Yield	14	-	14	
TOTAL											
		56	47	51	-	14		14	-	14	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	14	14	14	56	25	25	32	2
2025	14	14	14	56	26	26	34	4
2030	14	14	14	56	26	27	34	4
2035	14	14	14	56	27	27	35	5
2040	14	14	14	56	27	28	35	5
2044	14	14	14	56	27	28	36	6

WRZ CODE	3400SC0019	WRZ Name	Grangecon Public Supply	Study Area	2	Study Group		Local Authority	Wicklow
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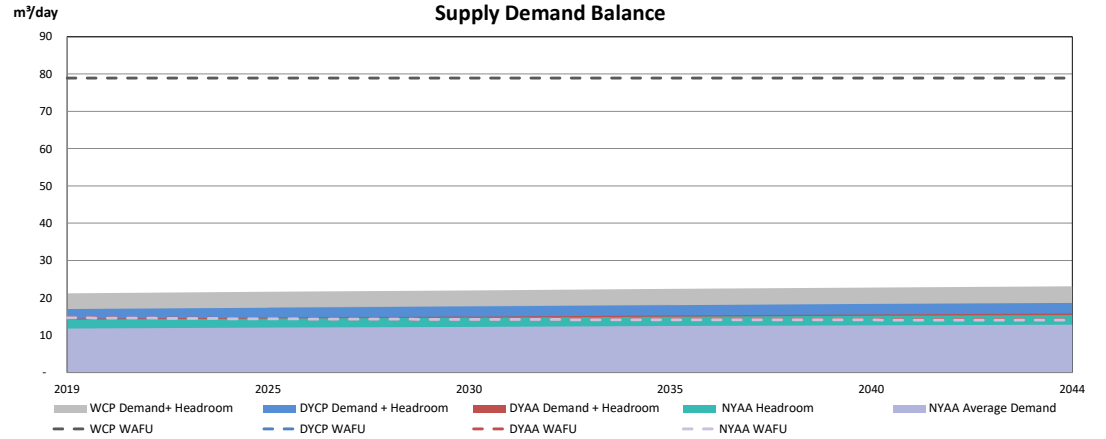
Base Demand in 2019	
Domestic Demand (m ³ /day)	7
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	2
Demand (m³/day)	12

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	12	2	14	14	17	21
2025	12	2	14	15	17	22
2030	12	2	15	15	18	22
2035	12	2	15	15	18	22
2040	13	3	15	16	18	23
2044	13	3	15	16	19	23

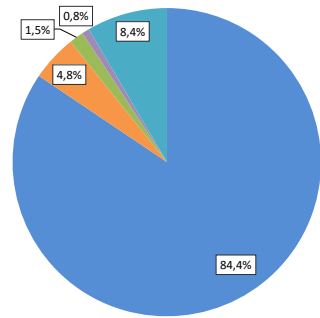
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000453	Grangecon WTP	79	66	72	No Licence	14	Yield	14	-	14	
TOTAL		79	66	72	-	14		14	-	14	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	15	15	15	79	1	0	2	58
2025	14	15	15	79	0	0	3	57
2030	14	14	14	79	0	1	3	57
2035	14	14	14	79	1	1	4	57
2040	14	14	14	79	1	1	4	56
2044	14	14	14	79	1	2	4	56

WRZ CODE	3400SC0020	WRZ Name	Thomastown Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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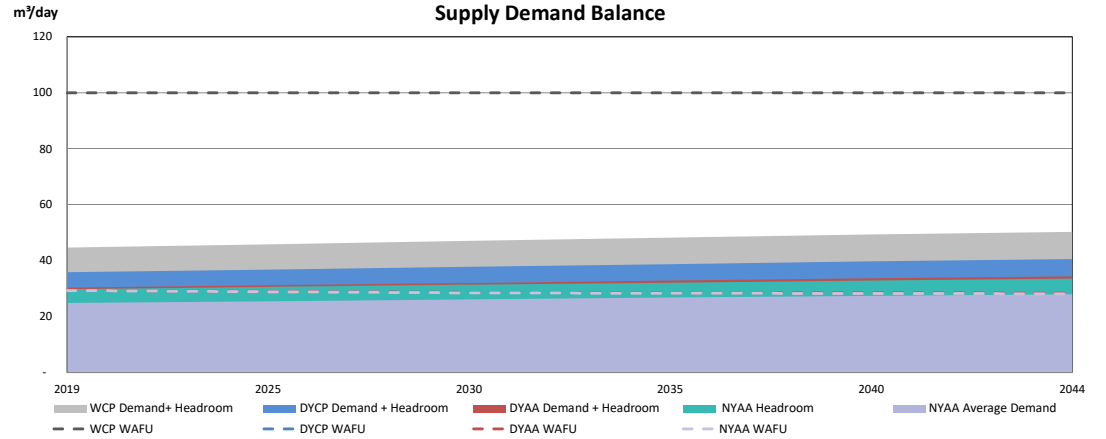
Base Demand in 2019	
Domestic Demand (m ³ /day)	21
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	2
Demand (m³/day)	25

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	25	5	30	30	36	45
2025	25	5	31	31	37	46
2030	26	5	31	32	38	47
2035	27	5	32	33	39	48
2040	27	5	33	34	40	49
2044	28	6	34	34	41	50

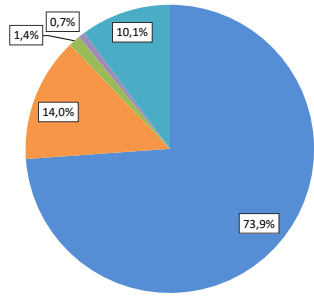
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000755	Thomastown WTP	100	83	92	No Licence	29	Yield	28	-	28	
TOTAL		100	83	92	-	29		28	-	28	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	29	29	29	100	0	1	6	55
2025	29	29	29	100	2	2	8	54
2030	29	29	29	100	3	3	9	53
2035	28	29	29	100	4	4	10	52
2040	28	29	29	100	5	5	11	51
2044	28	28	28	100	5	6	12	50

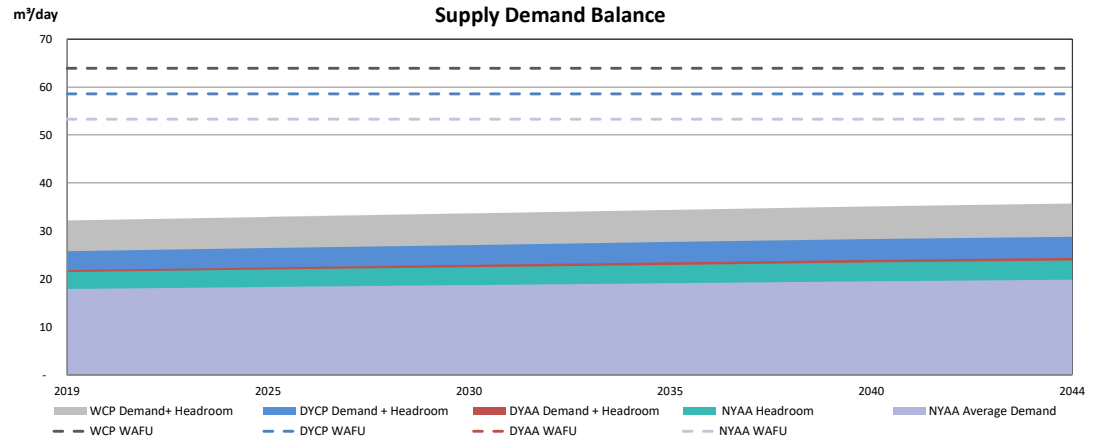
WRZ CODE	3400SC0021	WRZ Name	Kirikee Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	13
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	2
Demand (m³/day)	18

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	18	4	21	22	26	32
2025	18	4	22	22	26	33
2030	19	4	22	23	27	34
2035	19	4	23	23	28	34
2040	20	4	23	24	28	35
2044	20	4	24	24	29	36

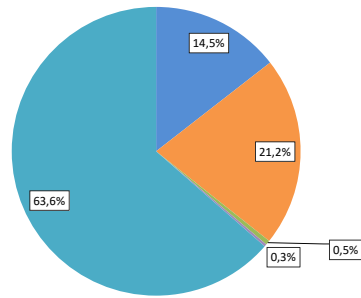
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001143	Kirikee WTP	64	53	59	No Licence	1 214	22Hr	59	-	59	
TOTAL		64	53	59	-	1 214		59	-	59	

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	53	53	59	64	32	31	33	32
2025	53	53	59	64	31	31	32	31
2030	53	53	59	64	31	30	32	30
2035	53	53	59	64	30	30	31	30
2040	53	53	59	64	30	29	30	29
2044	53	53	59	64	29	29	30	28

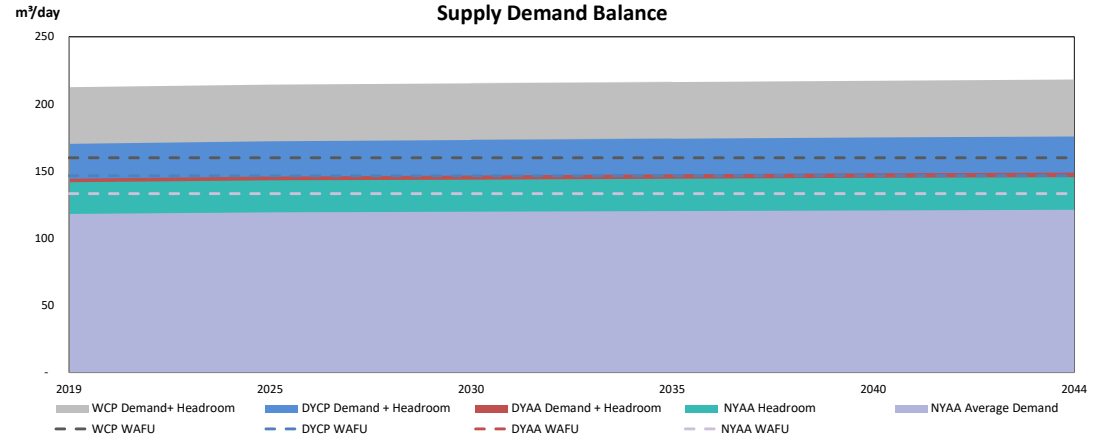
WRZ CODE	3400SC0023	WRZ Name	Knockanarrigan Davidstown	Study Area	2	Study Group		Local Authority	Wicklow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	17
Non-Domestic Demand (m ³ /day)	25
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	75
Demand (m³/day)	118

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	118	24	142	144	170	212
2025	119	24	143	146	172	215
2030	120	24	144	147	173	215
2035	120	24	144	148	174	216
2040	121	24	145	148	175	217
2044	121	24	145	149	176	218

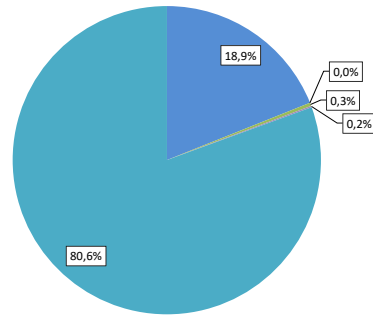
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000601	Davidstown WTP	160	133	147	No Licence	153	22Hr	147	-	147	
TOTAL		160	133	147	-	153		147	-	147	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	Headroom	WAFU (m ³ /day)
2019	133	133	147	160	8	11	24	52		
2025	133	133	147	160	10	13	25	55		
2030	133	133	147	160	10	13	26	55		
2035	133	133	147	160	11	14	27	56		
2040	133	133	147	160	12	15	28	57		
2044	133	133	147	160	12	16	29	58		

WRZ CODE	3400SC0025	WRZ Name	Ballintekin Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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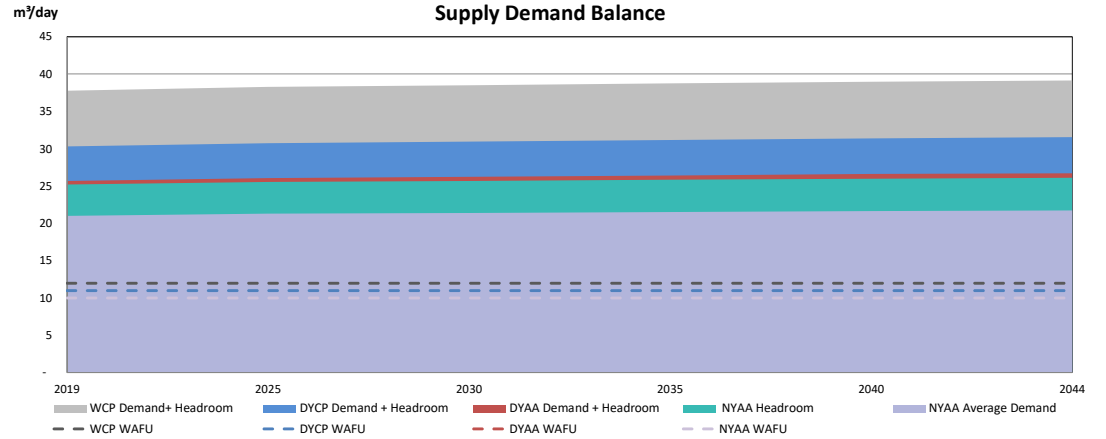
Base Demand in 2019	
Domestic Demand (m ³ /day)	4
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	17
Demand (m³/day)	21

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	21	4	25	26	30	38
2025	21	4	26	26	31	38
2030	21	4	26	26	31	39
2035	22	4	26	26	31	39
2040	22	4	26	27	31	39
2044	22	4	26	27	32	39

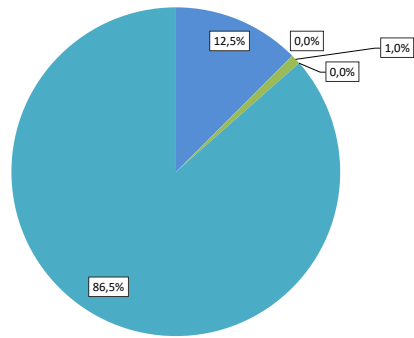
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000087	Ballintekin WTP	12	10	11	No Licence	11	22Hr	11	-	11	
TOTAL		12	10	11	-	11		11	-	11	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	10	10	11	12 -	15 -	16 -	19 -	26
2025	10	10	11	12 -	16 -	16 -	20 -	26
2030	10	10	11	12 -	16 -	16 -	20 -	27
2035	10	10	11	12 -	16 -	16 -	20 -	27
2040	10	10	11	12 -	16 -	17 -	20 -	27
2044	10	10	11	12 -	16 -	17 -	21 -	27

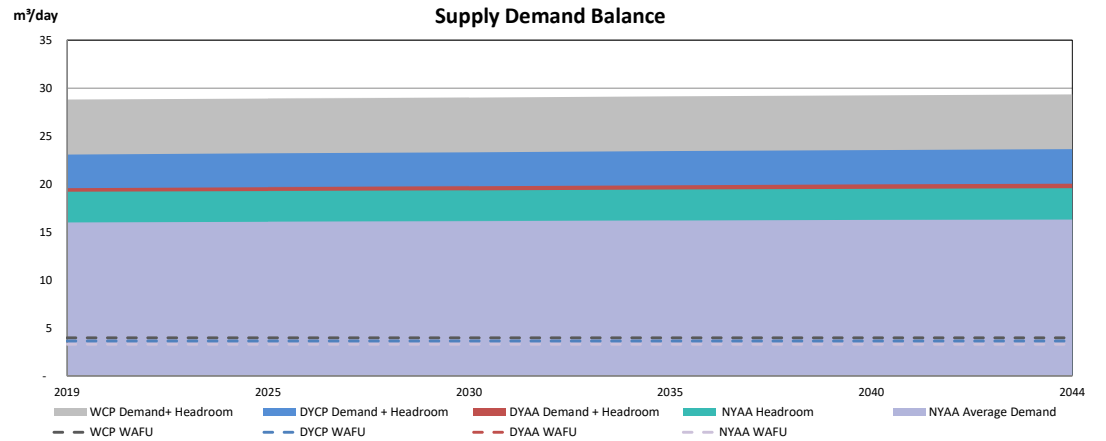
WRZ CODE	3400SC0027	WRZ Name	Ballinapark Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	14
Demand (m³/day)	16

Components of Base Demand 2019



- Domestic Demand (m³/day)
- Non-Domestic Demand (m³/day)
- Operational Use (m³/day)
- Apparent Losses (m³/day)
- Leakage (m³/day)



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	16	3	19	20	23	29
2025	16	3	19	20	23	29
2030	16	3	19	20	23	29
2035	16	3	19	20	23	29
2040	16	3	20	20	24	29
2044	16	3	20	20	24	29

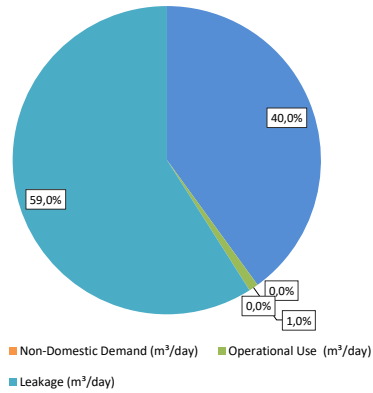
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000128	Ballinapark WTP	4	3	4	No Licence	4	22Hr	4	-	4	
TOTAL											
		4	3	4	-	4		4	-	4	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	3	3	4	4	16	16	19	25	16	16	20
2025	3	3	4	4	16	16	20	25	16	16	20
2030	3	3	4	4	16	16	20	25	16	16	20
2035	3	3	4	4	16	17	20	25	16	17	20
2040	3	3	4	4	16	17	20	25	16	17	20
2044	3	3	4	4	16	17	20	25	16	17	20

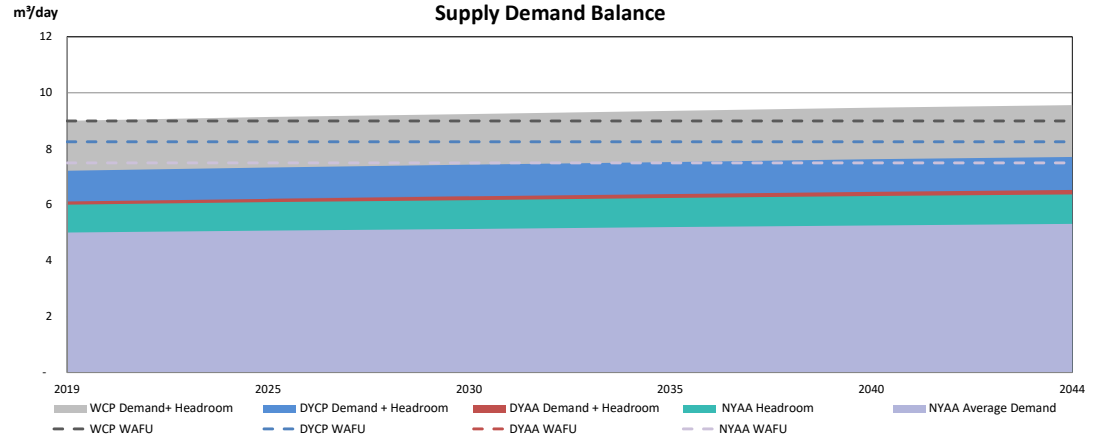
WRZ CODE	3400SC0030	WRZ Name	Killavaney Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	3
Demand (m³/day)	5

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5	1	6	6	7	9
2025	5	1	6	6	7	9
2030	5	1	6	6	7	9
2035	5	1	6	6	8	9
2040	5	1	6	6	8	9
2044	5	1	6	7	8	10

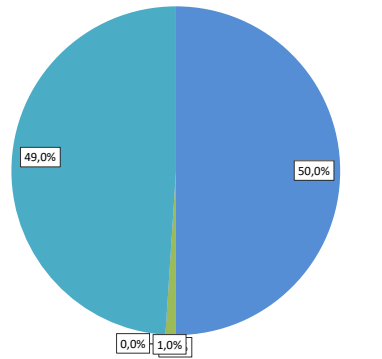
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001080	Kilavaney WTP	9	8	8	No Licence	9	22Hr	8	-	8	
TOTAL		9	8	8	-	9		8	-	8	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	8	8	9	2	1	1	-
2025	8	8	8	9	1	1	1	0
2030	8	8	8	9	1	1	1	0
2035	8	8	8	9	1	1	1	0
2040	8	8	8	9	1	1	1	0
2044	8	8	8	9	1	1	1	1

WRZ CODE	3400SC0031	WRZ Name	Ballyclogh Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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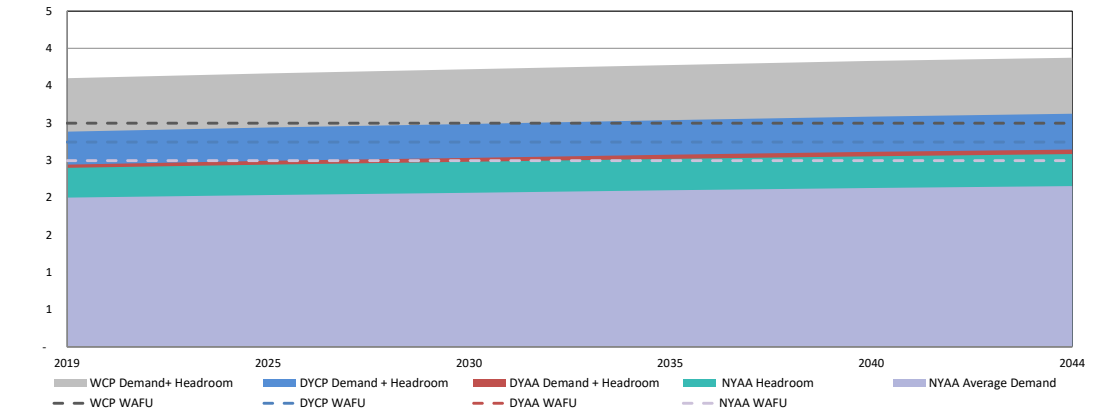
Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	1
Demand (m³/day)	2

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2	0	2	2	3	4
2025	2	0	2	2	3	4
2030	2	0	2	2	3	4
2035	2	0	2	2	3	4
2040	2	0	2	2	3	4
2044	2	0	2	2	3	4

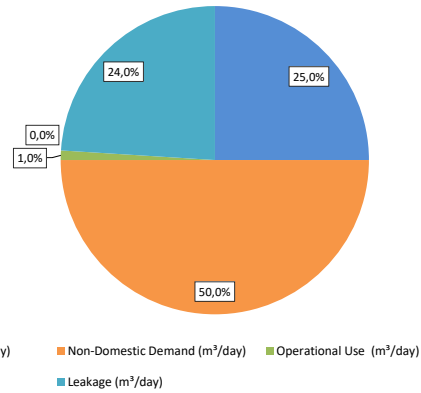
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000148	Ballyclogh WTP	3	3	3	No Licence	3					
TOTAL											

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	3	3	3	3	3	0	0	0	0	0	1
2025	3	3	3	3	3	0	0	0	0	0	1
2030	3	3	3	3	3	0	0	0	0	0	1
2035	3	3	3	3	3	0	0	0	0	0	1
2040	3	3	3	3	3	0	0	0	0	0	1
2044	3	3	3	3	3	0	0	0	0	0	1

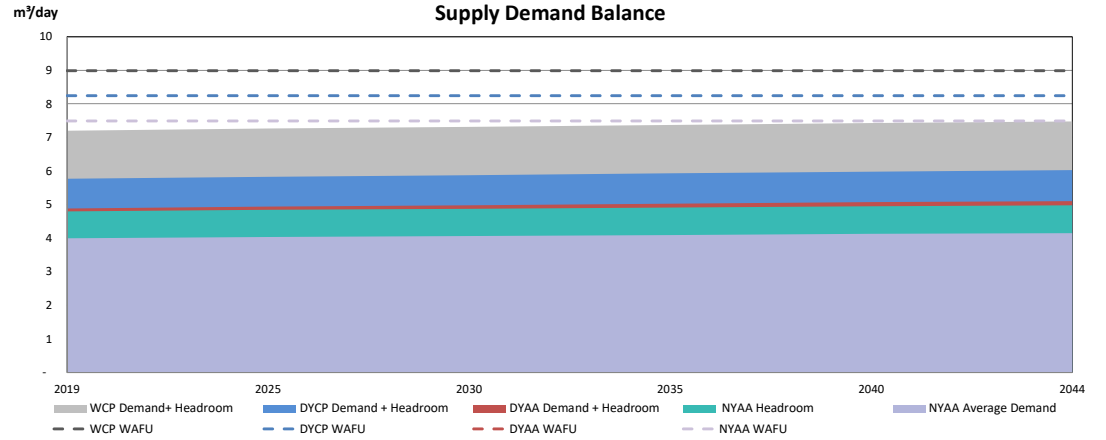
WRZ CODE	3400SC0032	WRZ Name	Killavane Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	1
Demand (m³/day)	4

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	4	1	5	5	6	7
2025	4	1	5	5	6	7
2030	4	1	5	5	6	7
2035	4	1	5	5	6	7
2040	4	1	5	5	6	7
2044	4	1	5	5	6	7

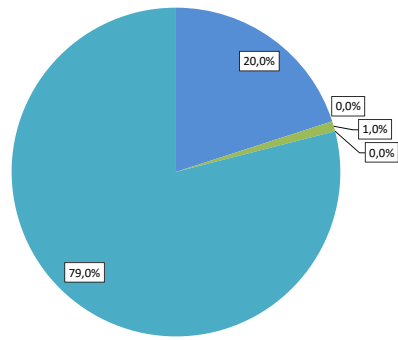
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001081	Kilavane Tinahely WTP	9	8	8	No Licence	9	22Hr	8	-	8	
TOTAL		9	8	8	-	9		8	-	8	

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	8	8	8	9	3	3	2	2
2025	8	8	8	9	3	3	2	2
2030	8	8	8	9	3	3	2	2
2035	8	8	8	9	3	2	2	2
2040	8	8	8	9	3	2	2	2
2044	8	8	8	9	3	2	2	2

WRZ CODE	3400SC0033	WRZ Name	Ballymorris Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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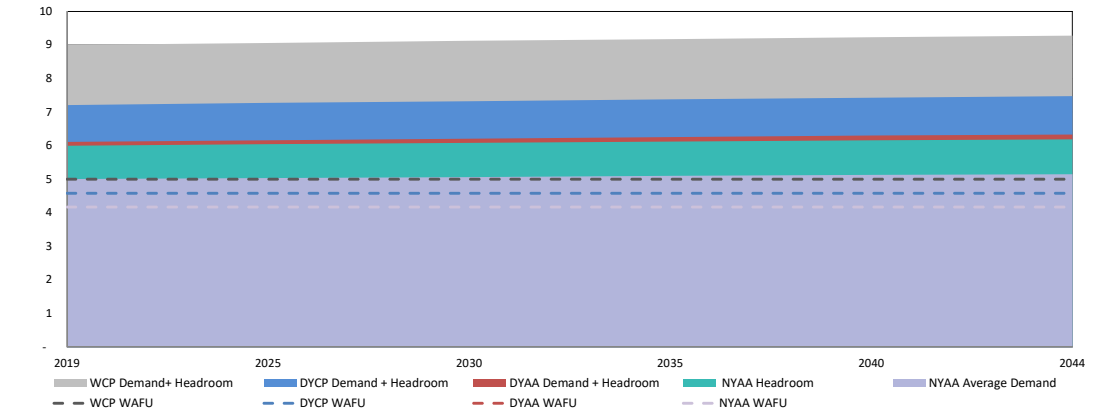
Base Demand in 2019	
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	4
Demand (m³/day)	5

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	5	1	6	6	7	9
2025	5	1	6	6	7	9
2030	5	1	6	6	7	9
2035	5	1	6	6	7	9
2040	5	1	6	6	7	9
2044	5	1	6	6	7	9

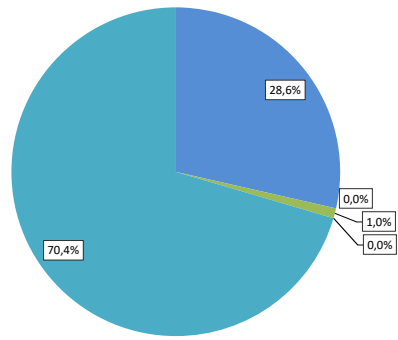
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000269	Ballymorris WTP	5	4	5	No Licence	5	22Hr	5	-	5	
TOTAL		5	4	5	-	5		5	-	5	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	4	4	5	5	2	2	3	4	2	2	3
2025	4	4	5	5	2	2	3	4	2	2	3
2030	4	4	5	5	2	2	3	4	2	2	3
2035	4	4	5	5	2	2	3	4	2	2	3
2040	4	4	5	5	2	2	3	4	2	2	3
2044	4	4	5	5	2	2	3	4	2	2	3

WRZ CODE	3400SC0035	WRZ Name	Kilballyowen (Aughrim) Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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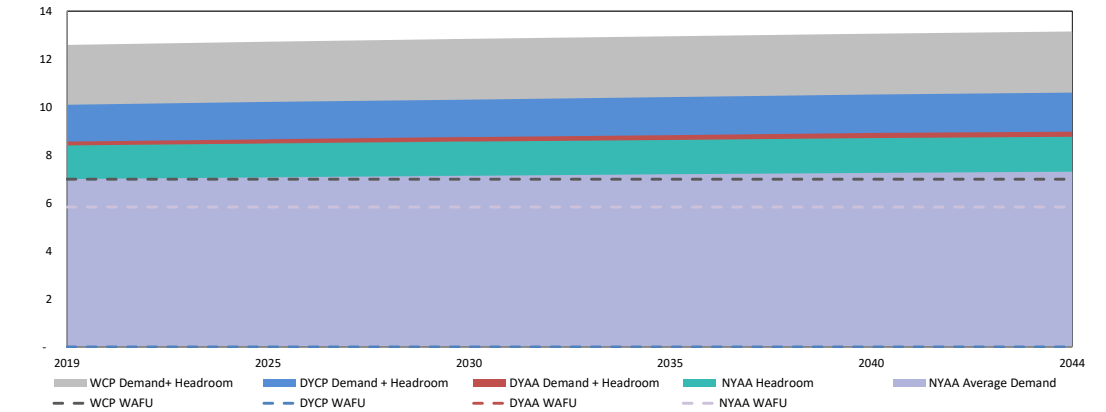
Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	5
Demand (m³/day)	7

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	7	1	8	9	10	13
2025	7	1	8	9	10	13
2030	7	1	9	9	10	13
2035	7	1	9	9	10	13
2040	7	1	9	9	11	13
2044	7	1	9	9	11	13

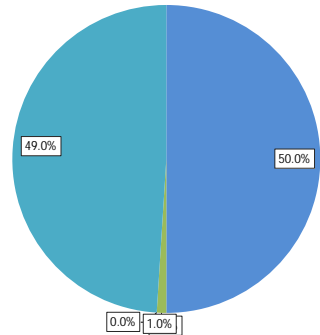
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001108	Kilballyowen Aughrim WTP	7	6	6	No Licence	7	22Hr	6	-	6	
TOTAL											
		7	6	6	-	7		6	-	6	

Year	WAFU					Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)
2019	6	6	-	7	3	3	3	10	6	6	6
2025	6	6	-	7	3	3	3	10	6	6	6
2030	6	6	-	7	3	3	3	10	6	6	6
2035	6	6	-	7	3	3	3	10	6	6	6
2040	6	6	-	7	3	3	3	11	6	6	6
2044	6	6	-	7	3	3	3	11	6	6	6

WRZ CODE	3400SC0045	WRZ Name	Ballynavortha Public Supply	Study Area	M	Study Group		Local Authority	Wicklow
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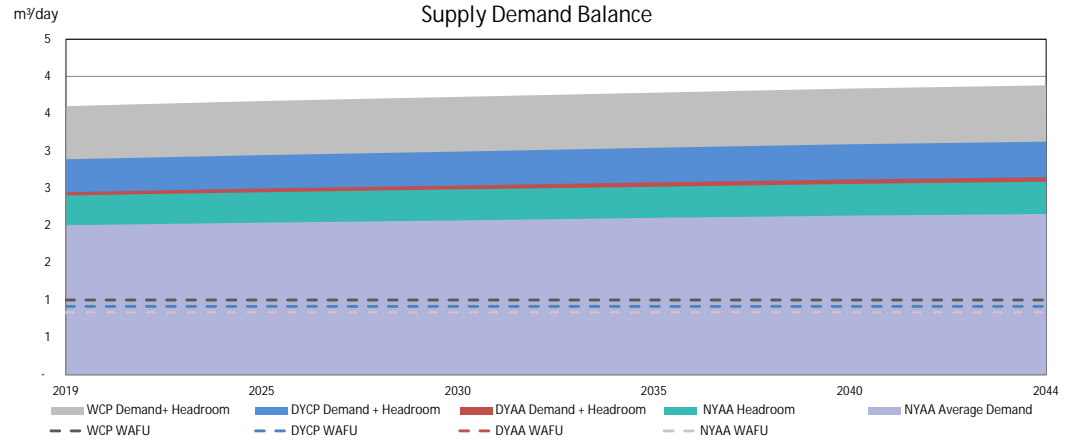
Base Demand in	2019
Domestic Demand (m ³ /day)	1
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	1
Demand (m ³ /day)	2

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2	0	2	2	3	4
2025	2	0	2	2	3	4
2030	2	0	2	2	3	4
2035	2	0	3	3	3	4
2040	2	0	3	3	3	4
2044	2	0	3	3	3	4

Water Available for Use in 2044 DYCP

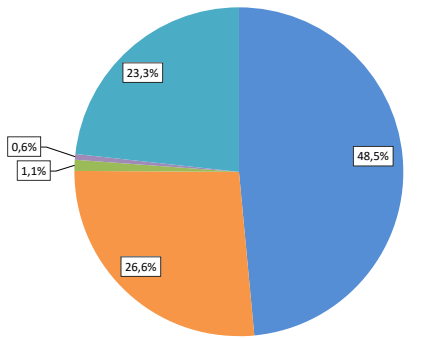
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000078	Ballynavortha WTP	1	1	1	No Licence	1	22Hr	1	-	1	
TOTAL											

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1	1	1	1	1 -	2 -	2 -	3
2025	1	1	1	1	1 -	2 -	2 -	3
2030	1	1	1	1	1 -	2 -	2 -	3
2035	1	1	1	1	1 -	2 -	2 -	3
2040	1	1	1	1	1 -	2 -	2 -	3
2044	1	1	1	1	1 -	2 -	2 -	3

WRZ CODE	3400SC0046	WRZ Name	Rathdrum Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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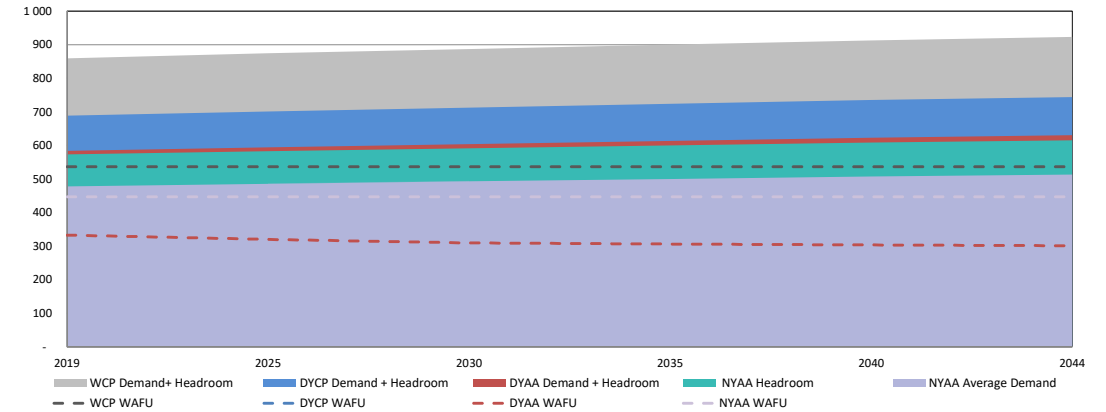
Base Demand in	2019
Domestic Demand (m ³ /day)	232
Non-Domestic Demand (m ³ /day)	127
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	111
Demand (m³/day)	478

Components of Base Demand 2019



- Domestic Demand (m³/day)
- Non-Domestic Demand (m³/day)
- Operational Use (m³/day)
- Apparent Losses (m³/day)
- Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	478	96	573	584	689	860
2025	486	97	583	595	702	874
2030	493	99	592	604	713	887
2035	500	100	600	614	724	900
2040	507	101	609	623	735	913
2044	513	103	616	630	744	923

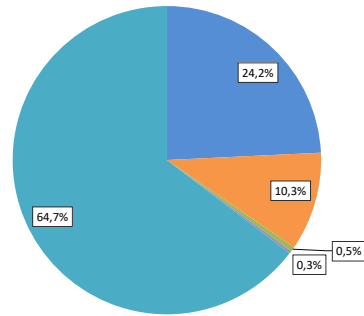
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000654	Rathdrum WTP	537	448	492	No Licence	326	Yield	302	-	302	Critical - Low Flow Intervention
TOTAL		537	448	492	-	326		302	-	302	

Year	WAFU			Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	448	334	334	334	537	126	251	356
2025	448	321	321	321	537	135	274	381
2030	448	310	310	310	537	144	294	403
2035	448	307	307	307	537	153	307	417
2040	448	304	304	304	537	161	319	431
2044	448	302	302	302	537	168	329	442

WRZ CODE	3400SC0047	WRZ Name	Laragh Annamoe Public Supply	Study Area	1	Study Group		Local Authority	Wicklow
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Base Demand in 2019	
Domestic Demand (m ³ /day)	97
Non-Domestic Demand (m ³ /day)	41
Operational Use (m ³ /day)	2
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	258
Demand (m³/day)	399

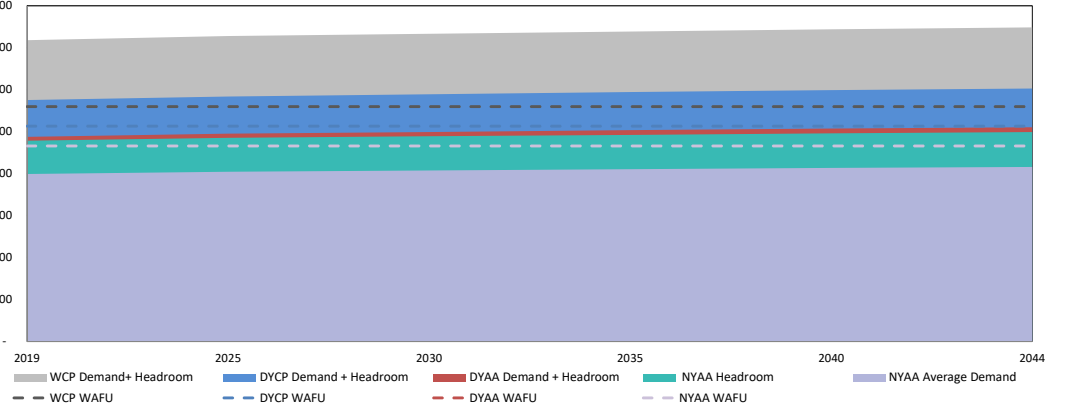
Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	399	80	479	488	576	718
2025	404	81	485	495	584	728
2030	407	81	489	499	589	733
2035	410	82	493	504	594	739
2040	413	83	496	508	599	744
2044	416	83	499	511	603	749

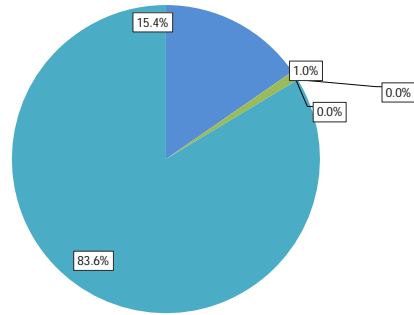
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000647	Raheen WTP	260	217	238	No Licence	249	22Hr	238	-	238	
WTP0001182	Glenmacnass WTP	300	250	275	No Licence	1966	22Hr	275	-	275	
TOTAL		560	467	513	-	2 215		513	-	513	

Year	WAFU					Supply Demand Balance						
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	467	467	513	560	12	21	62	158	12	21	62	158
2025	467	467	513	560	19	28	71	168	19	28	71	168
2030	467	467	513	560	22	33	76	173	22	33	76	173
2035	467	467	513	560	26	37	81	179	26	37	81	179
2040	467	467	513	560	29	41	86	184	29	41	86	184
2044	467	467	513	560	32	44	90	189	32	44	90	189

WRZ CODE	3400SC0052	WRZ Name	Knocknagilky Public Supply	Study Area	2	Study Group		Local Authority	Wicklow
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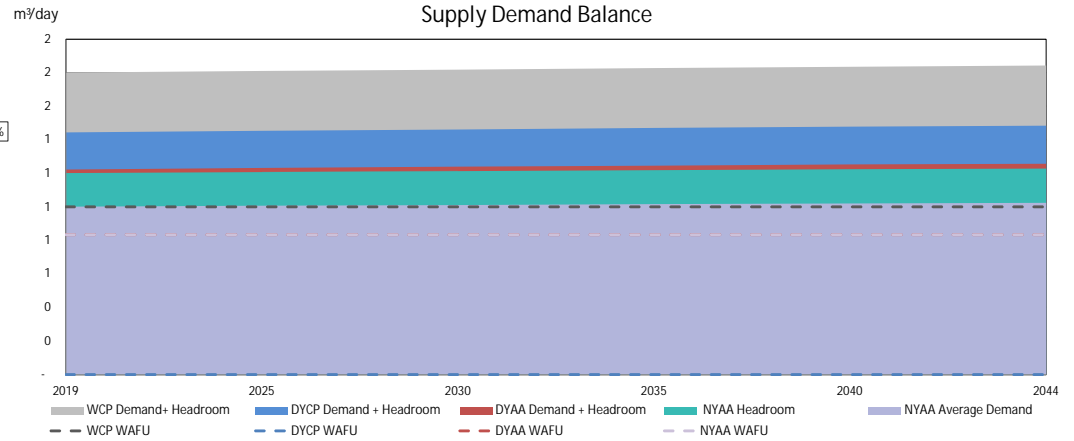
Base Demand in	2019
Domestic Demand (m ³ /day)	0
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	-
Leakage (m ³ /day)	1
Demand (m ³ /day)	1

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	1	0	1	1	1	2
2025	1	0	1	1	1	2
2030	1	0	1	1	1	2
2035	1	0	1	1	1	2
2040	1	0	1	1	1	2
2044	1	0	1	1	1	2

Water Available for Use in 2044 DYCP

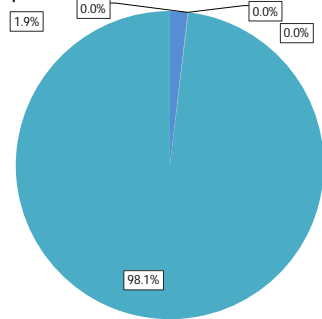
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0001241	Knocknagilky WTP	1	1	1	No Licence	1	22Hr	1	-	1	
TOTAL											

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	
2019	1	1	-	1	0	0	1	1	
2025	1	1	-	1	0	0	1	1	
2030	1	1	-	1	0	0	1	1	
2035	1	1	-	1	0	0	1	1	
2040	1	1	-	1	0	0	1	1	
2044	1	1	-	1	0	0	1	1	

WRZ CODE	3400SC0053	WRZ Name	Ballingate Public Supply	Study Area	M	Study Group		Local Authority	Wicklow
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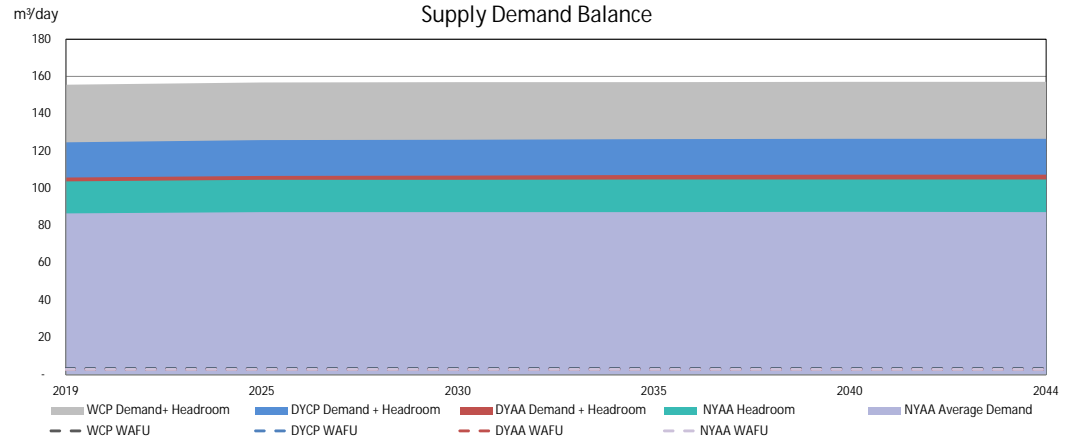
Base Demand in 2019	
Domestic Demand (m ³ /day)	2
Non-Domestic Demand (m ³ /day)	-
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	85
Demand (m ³ /day)	86

Components of Base Demand 2019



■ Domestic Demand (m³/day)
 ■ Non-Domestic Demand (m³/day)
 ■ Operational Use (m³/day)
 ■ Apparent Losses (m³/day)
 ■ Leakage (m³/day)

Supply Demand Balance



Projected Demands 2019 to 2044

Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	86	17	104	106	125	155
2025	87	17	104	107	126	157
2030	87	17	105	107	126	157
2035	87	17	105	107	126	157
2040	87	17	105	107	126	157
2044	87	17	105	107	127	157

Water Available for Use in 2044 DYCP

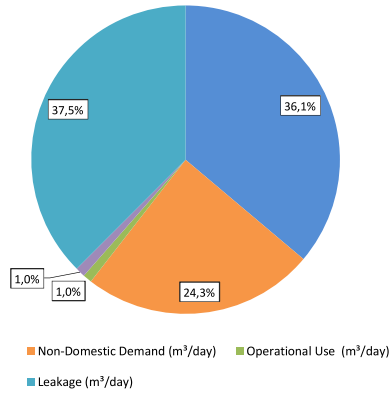
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000085	Ballingate WTP	3	3	3	No Licence	3	Yield	3	-	3	
TOTAL											

Year	WAFU				Supply Demand Balance							
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	3	3	3	3	3	101	103	122	152	-	-	-
2025	3	3	3	3	3	102	104	123	153	-	-	-
2030	3	3	3	3	3	102	104	123	153	-	-	-
2035	3	3	3	3	3	102	104	123	154	-	-	-
2040	3	3	3	3	3	102	104	124	154	-	-	-
2044	3	3	3	3	3	102	104	124	154	-	-	-

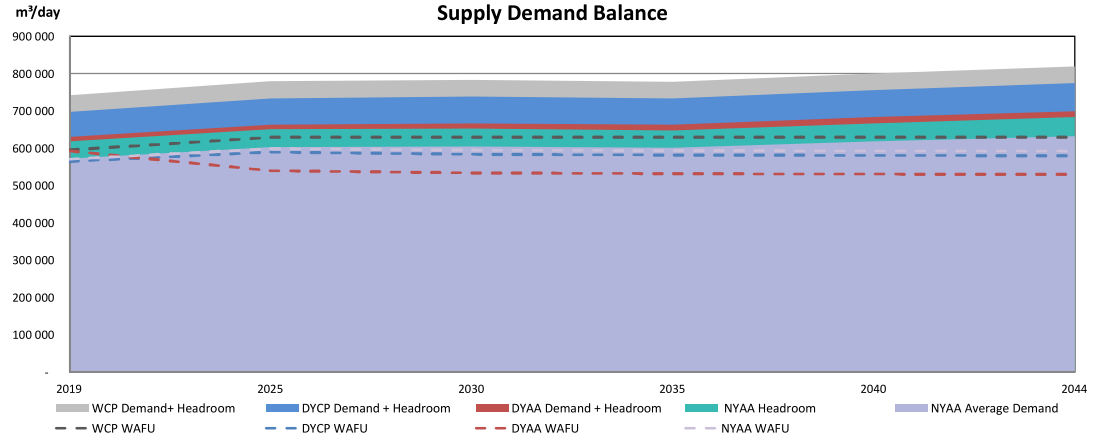
WRZ CODE	GDA	WRZ Name	Greater Dublin Area	Study Area	9	Study Group	Local Authority	GDA
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Base Demand in 2019	
Domestic Demand (m ³ /day)	206 866
Non-Domestic Demand (m ³ /day)	139 309
Operational Use (m ³ /day)	5 706
Apparent Losses (m ³ /day)	5 705
Leakage (m ³ /day)	214 829
Demand (m³/day)	572 416

Components of Base Demand 2019



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	572 416	45 793	618 209	629 787	696 691	741 851
2025	602 079	48 166	650 246	663 337	733 822	780 295
2030	604 626	48 370	652 996	666 926	737 797	783 595
2035	600 256	48 020	648 276	662 897	733 340	777 932
2040	617 885	49 431	667 316	683 207	755 650	800 779
2044	632 292	50 583	682 875	699 137	773 873	819 450

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000424	Glenealy WTP	180	150	150	165	No Licence					
WTP0000688	Roundwood Well WTP	360	300	300	330	No Licence					
WTP0000581	Cronroe WTP	1 200	1 000	1 000	1 100	No Licence					
WTP0001004	Monasterevin WTP	3 200	2 667	2 667	2 933	2 000					
WTP0001220	Rathangan Wellfields WTP	5 000	4 167	4 167	4 583	5 000					
WTP0000822	Srowland WTP	38 000	31 667	31 667	34 833	40 000					
WTP0000302	Bog of the Ring Water WTP	3 000	2 500	2 500	2 750	3 000					
WTP0000110	Leixlip WTP	235 000	195 833	195 833	215 417	No Licence					
WTP0000150	Ballyboden WTP	14 000	11 667	11 667	12 833	No Licence					
WTP0000012	Vartry WTP	75 000	62 500	62 500	68 750	No Licence					
WTP0000267	Ballymore Eustace WTP	312 000	260 000	260 000	286 000	No Licence					
TOTAL		686 940	572 450	572 450	629 695	50 000					

Please refer to Section 3.5 of the draft Framework Plan document for details on Allowance for Outage and Section 1.4.5 of Appendix C for further details on the Aquator model.

Year	WAFU				Supply Demand Balance			
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	570 501	592 501	564 501	595 000	47 709	37 287	132 190	88 611
2025	598 501	539 501	589 501	629 000	51 745	123 836	144 322	127 055
2030	594 501	533 501	583 501	629 000	58 495	133 425	154 296	130 355
2035	593 501	531 501	581 501	629 000	54 776	131 396	151 839	124 692
2040	592 501	530 501	580 501	629 000	74 815	152 707	175 150	147 539
2044	592 501	529 501	579 501	629 000	90 375	169 636	194 373	166 210