

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

**Appendix L
Supply Demand
Balance Summaries**

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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 the National Planning Framework.

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 draft 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

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	Croterra	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_Clontarf	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	Knockdrumacloagh	0500SC0088
Cork	Coolagown	0500SC0089
Cork	Kilmagner	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	Labbamollogga	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	Ballincurrag 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	Buncrana	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	Abbeyliex 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	Carrowgarraiff	3100SC0030
Waterford	East Waterford Water Supply Scheme	3100SC0033
Waterford	Smoore	3100SC0035
Waterford	Faha	3100SC0042
Waterford	Garryahylish	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	Aglish Cul Rua	3100SC0082
Waterford	Stradbally	3100SC0083
Waterford	Ballycurrane / Clashmore / Kilmaloo	3100SC0084
Waterford	Russelstown /Lyrenaleara	3100SC0086

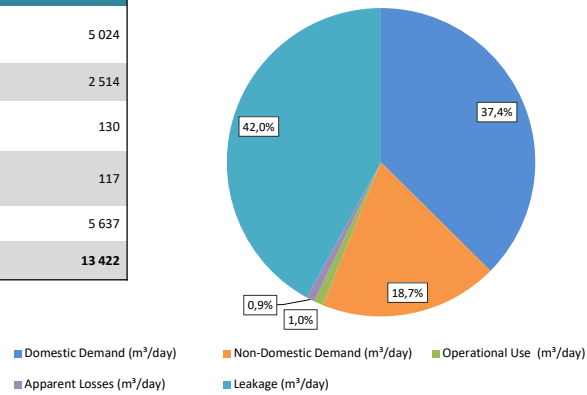
Local Authority	Water Resource Zone Name	Water Resource Zone Reference
Waterford	Glenagad	3100SC0087
Waterford	Rathgormack	3100SC0089
Waterford	Dunhill	3100SC0091
Waterford	Dunhill Ballinageeragh	3100SC0092
Waterford	Graiguenageeha	3100SC0093
Waterford	Kilnafrehan	3100SC0094
Waterford	Lismore / Cappoquin / 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 Valkeymount 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	Ballintekin 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

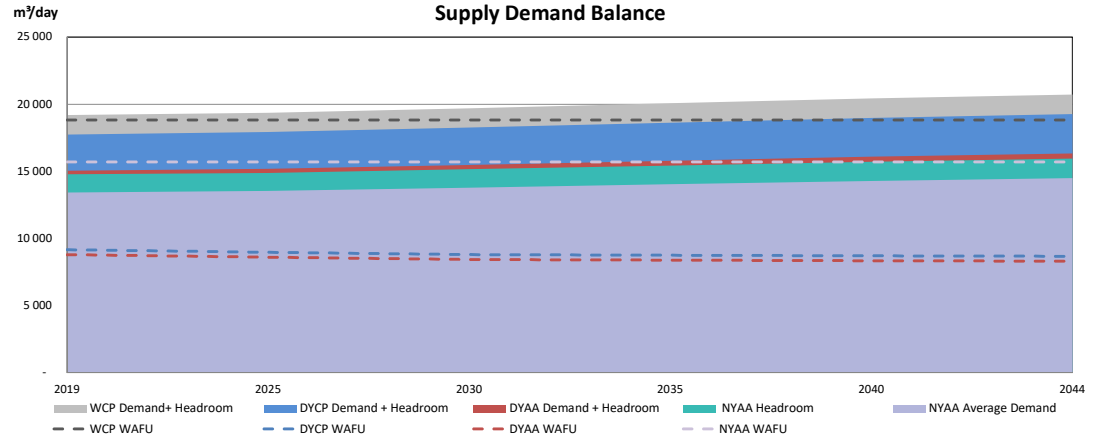
WRZ CODE	0100SC0001	WRZ Name	Carlow North	Study Area	6	Study Group		Local Authority	Carlow

Base Demand in	2019
Domestic Demand (m³/day)	5 024
Non-Domestic Demand (m³/day)	2 514
Operational Use (m³/day)	130
Apparent Losses (m³/day)	117
Leakage (m³/day)	5 637
Demand (m³/day)	13 422

Components of Base Demand 2019



Supply Demand Balance

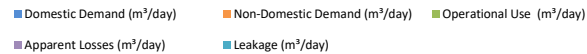


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	13 422	1 342	14 764	15 040	17 747	19 193
2025	13 527	1 353	14 880	15 179	17 911	19 344
2030	13 780	1 378	15 158	15 481	18 267	19 705
2035	14 033	1 403	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 (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
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	8 670

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)	
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 -	1 595	
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



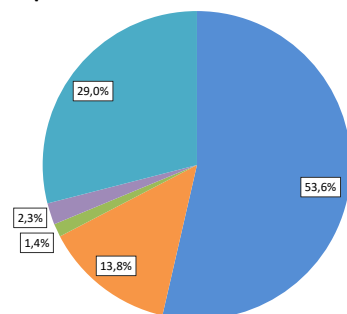
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	394	79	472	481	568	70
2025	400	80	479	489	577	71
2030	405	81	486	496	585	72
2035	410	82	492	503	593	73
2040	415	83	498	510	601	74
2044	419	84	503	515	608	75

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)	
2019	625	625	688	750	153	144	120	4	
2025	625	625	688	750	146	136	110	3	
2030	625	625	688	750	139	129	102	2	
2035	625	625	688	750	133	122	94	1	
2040	625	625	688	750	127	115	86		
2044	625	625	688	750	122	110	80	-	

WRZ CODE	0100SC0003	WRZ Name	Old Leighlin	Study Area	6	Study Group		Local Authority	Carlow

Base Demand in	2019
Domestic Demand (m³/day)	10
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	5
Demand (m³/day)	18

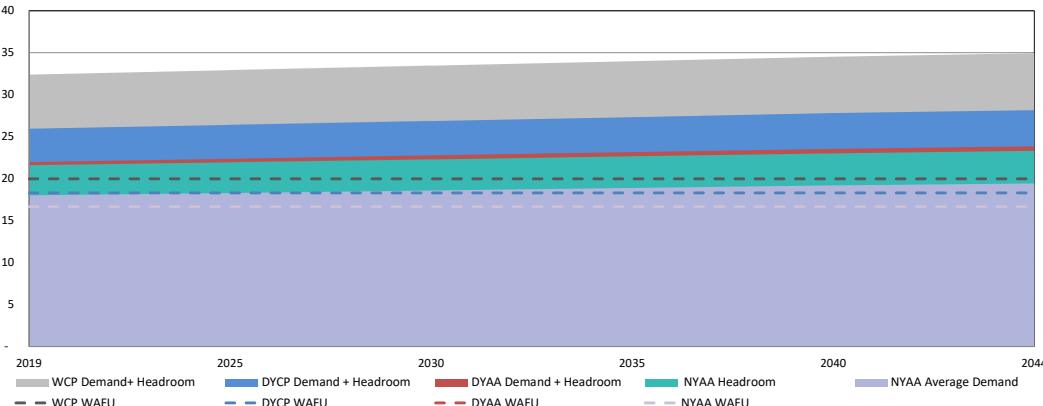
Components of Base Demand 2019



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

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	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

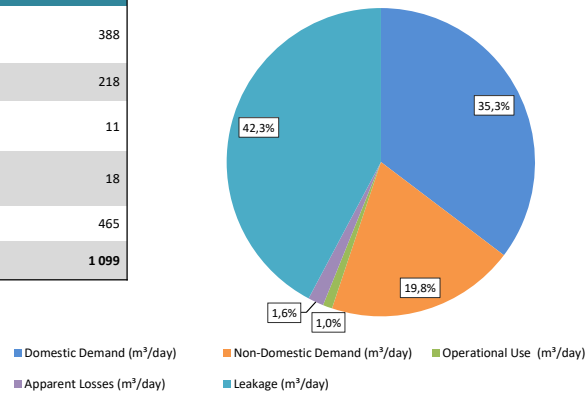
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (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	17	18	20	-	5	5	6	8	12	
2025	17	17	17	18	20	-	5	6	6	8	13	
2030	17	17	17	18	20	-	6	6	7	9	13	
2035	17	17	17	18	20	-	6	7	7	9	14	
2040	17	17	17	18	20	-	6	7	7	9	15	
2044	17	17	17	18	20	-	7	7	7	10	15	

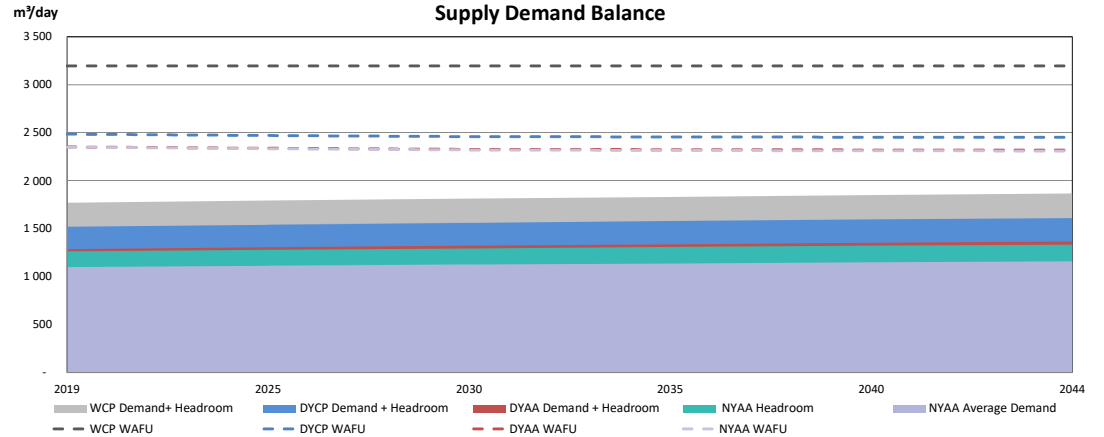
WRZ CODE	0100SC0008	WRZ Name	Bagenalstown	Study Area	6	Study Group		Local Authority	Carlow

Base Demand in	2019
Domestic Demand (m³/day)	388
Non-Domestic Demand (m³/day)	218
Operational Use (m³/day)	11
Apparent Losses (m³/day)	18
Leakage (m³/day)	465
Demand (m³/day)	1 099

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	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

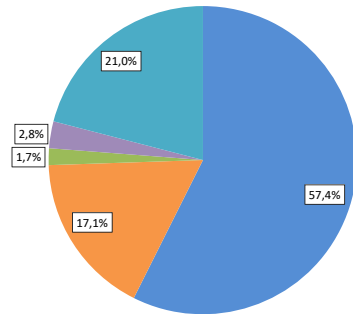
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	80
Non-Domestic Demand (m³/day)	24
Operational Use (m³/day)	2
Apparent Losses (m³/day)	4
Leakage (m³/day)	29
Demand (m³/day)	139

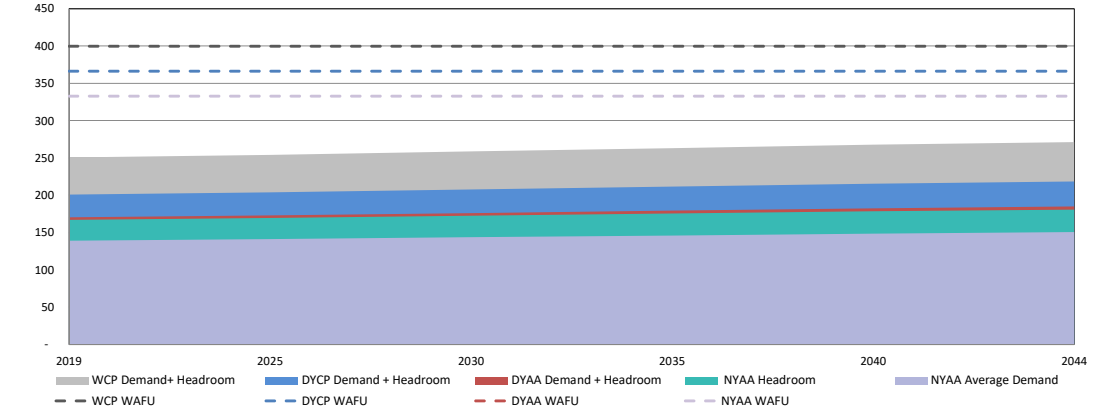
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

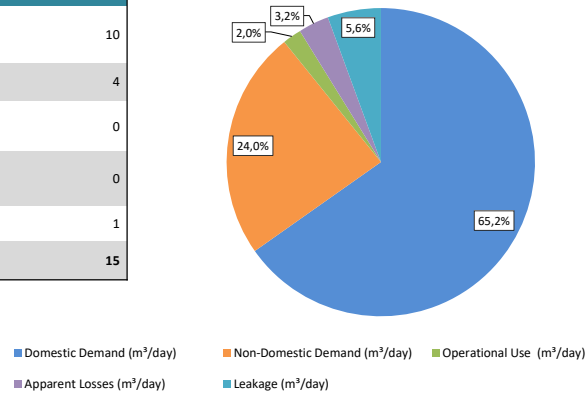
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
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	

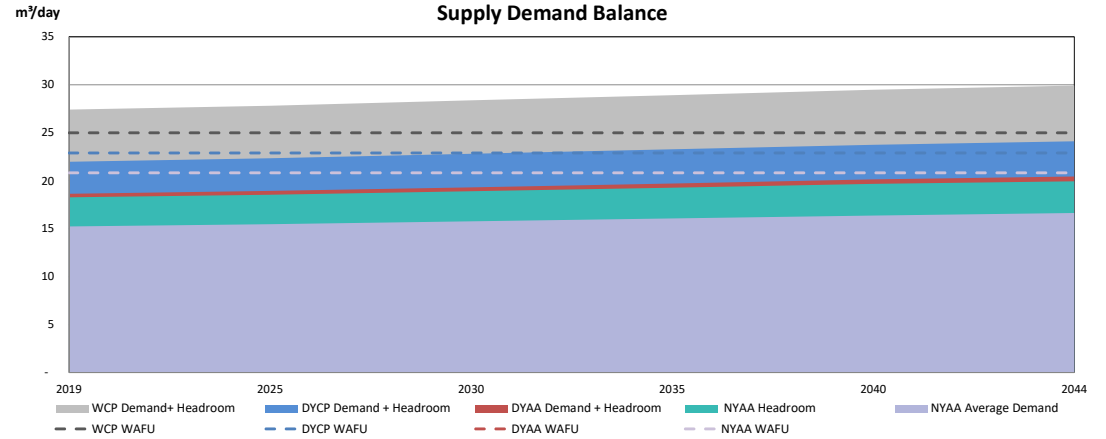
WRZ CODE	0100SC0010	WRZ Name	Ballinkillen	Study Area	L	Study Group	Local Authority	Carlow

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



Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m 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

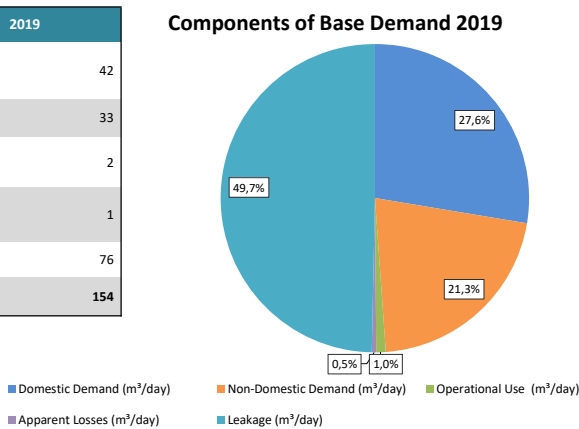
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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	2	1 -	0 -	4	
2040	21	21	23	25	1	1 -	1 -	4	
2044	21	21	23	25	1	0 -	1 -	5	

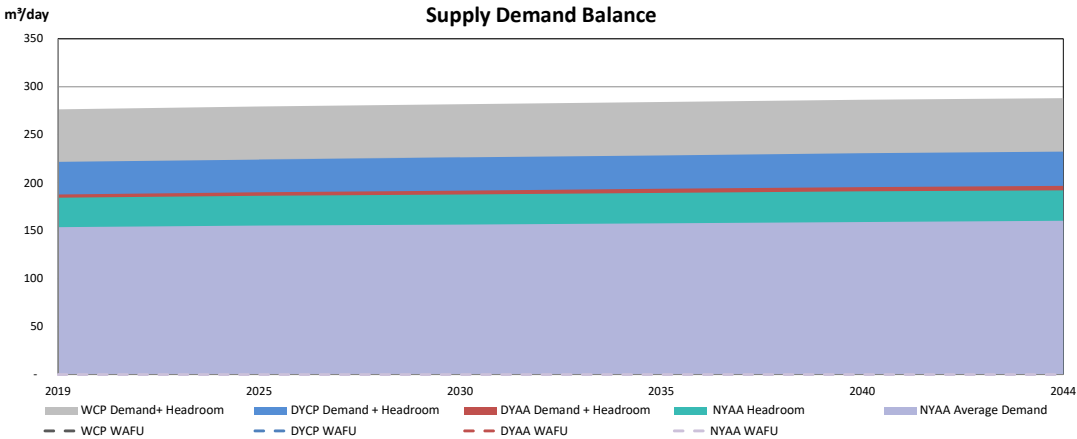
WRZ CODE	0200SC0004	WRZ Name	Gowna (GWS Import)	Study Area	B	Study Group		Local Authority	Cavan

Base Demand in	2019
Domestic Demand (m³/day)	42
Non-Domestic Demand (m³/day)	33
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	76
Demand (m³/day)	154

Components of Base Demand 2019



Supply Demand Balance



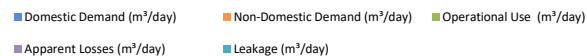
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	154	31	184	188	222	277
2025	155	31	186	190	224	279
2030	156	31	188	192	226	282
2035	158	32	189	194	228	284
2040	159	32	191	195	231	286
2044	160	32	192	197	232	288

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
TOTAL		-	-	-	-	-		-	-	-	

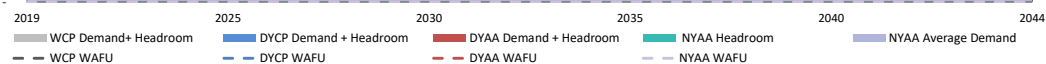
Year	WAFU				Supply Demand Balance			
	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-

WRZ CODE	0200SC0005	WRZ Name	Killeshandra PWS (GWS Import)	Study Area	F	Study Group		Local Authority	Cavan

Components of Base Demand 2019



Supply Demand Balance

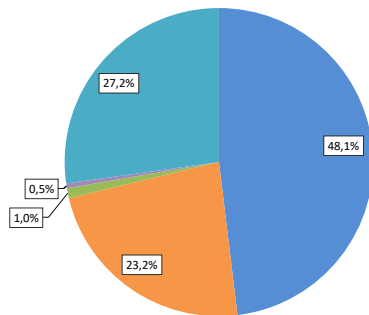


Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
TOTAL		-	-	-	-	-		-	-	-	

WRZ CODE	0200SC0011	WRZ Name	Ballyconnell PWS	Study Area	B	Study Group	Local Authority	Cavan

Base Demand in	2019
Domestic Demand (m³/day)	280
Non-Domestic Demand (m³/day)	135
Operational Use (m³/day)	6
Apparent Losses (m³/day)	3
Leakage (m³/day)	159
Demand (m³/day)	583

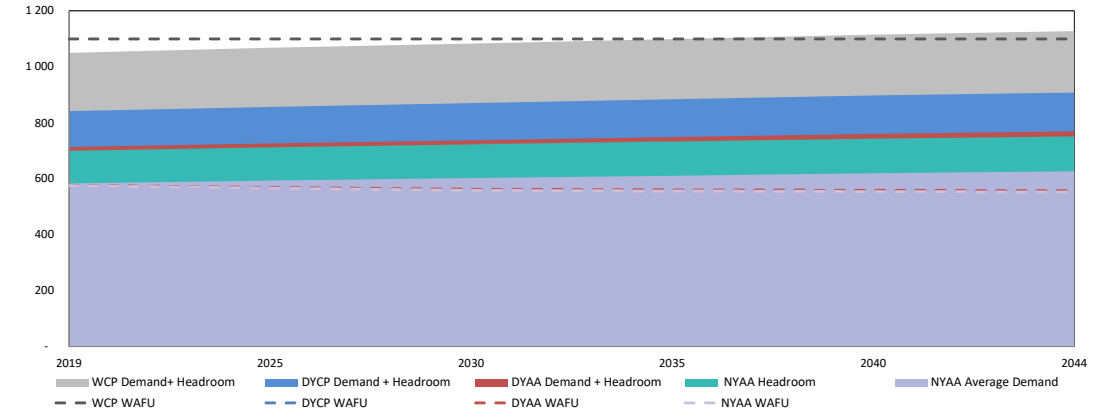
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

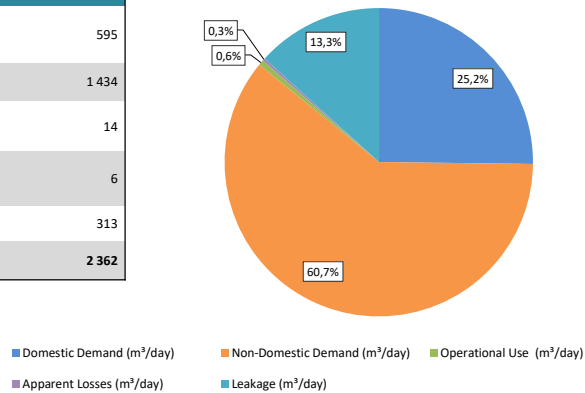
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	576	577	577	1 100 -	124 -	136 -	264	5		
2025	567	569	569	1 100 -	145 -	157 -	288	3		
2030	559	563	563	1 100 -	163 -	175 -	308	1		
2035	557	561	561	1 100 -	176 -	189 -	323			
2040	555	559	559	1 100 -	189 -	202 -	339 -	1		
2044	553	557	557	1 100 -	199 -	212 -	351 -	2		

WRZ CODE	0200SC0012	WRZ Name	Ballyjamesduff RWSS	Study Area	B	Study Group	Local Authority	Cavan

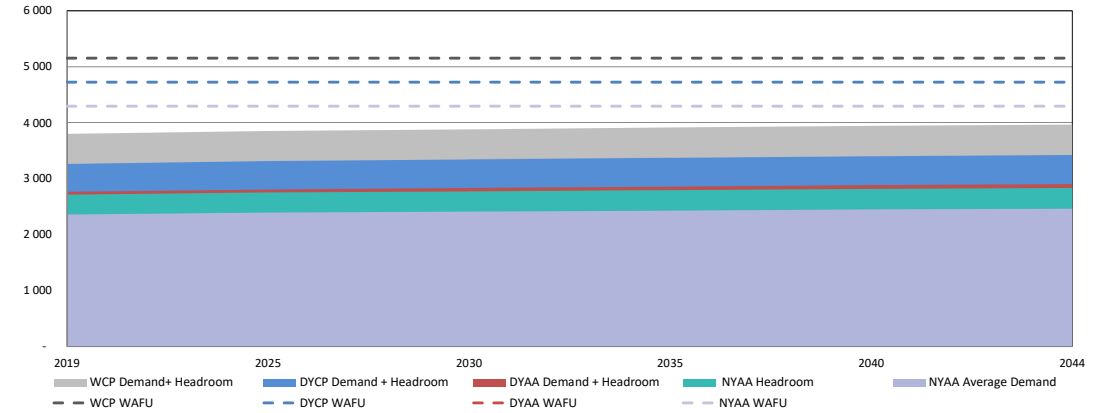
Base Demand in	2019
Domestic Demand (m³/day)	595
Non-Domestic Demand (m³/day)	1 434
Operational Use (m³/day)	14
Apparent Losses (m³/day)	6
Leakage (m³/day)	313
Demand (m³/day)	2 362

Components of Base Demand 2019



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	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

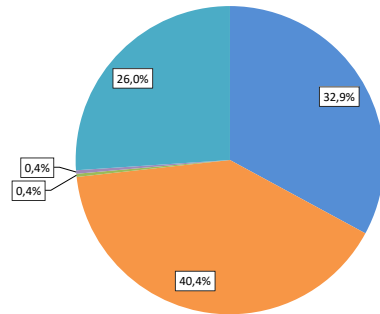
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	37
Non-Domestic Demand (m³/day)	46
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	30
Demand (m³/day)	114

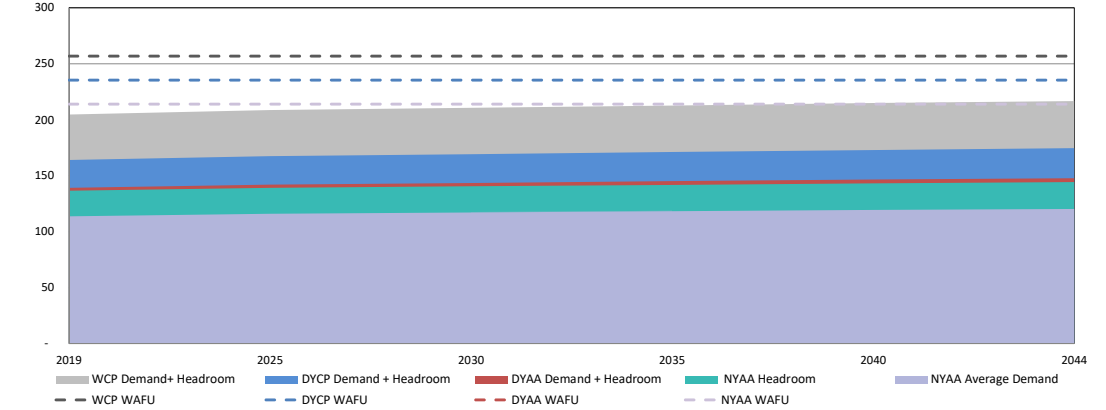
Components of Base Demand 2019



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

m³/day

Supply Demand Balance

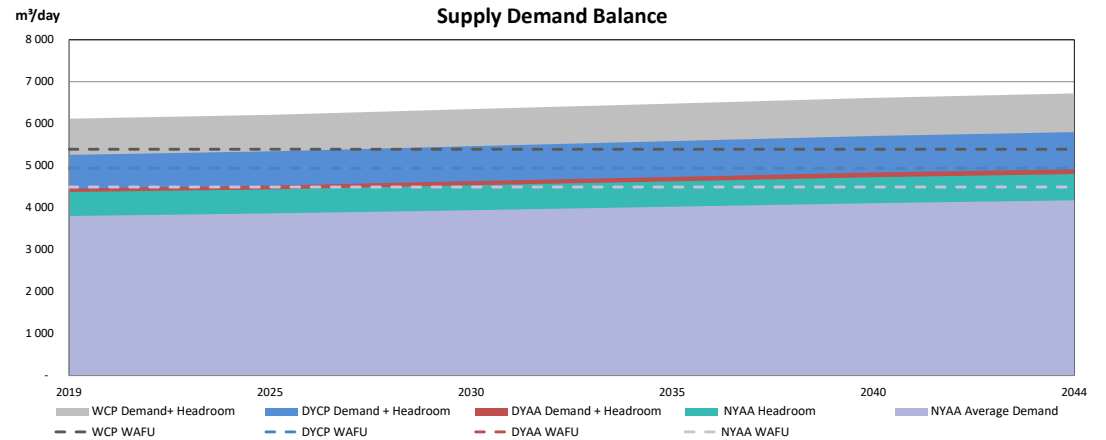
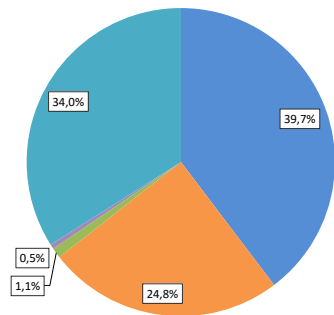


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	114	23	137	139	164	205
2025	116	23	139	142	167	209
2030	117	23	140	143	169	211
2035	118	24	142	145	171	213
2040	119	24	143	147	173	215
2044	120	24	144	148	174	217

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

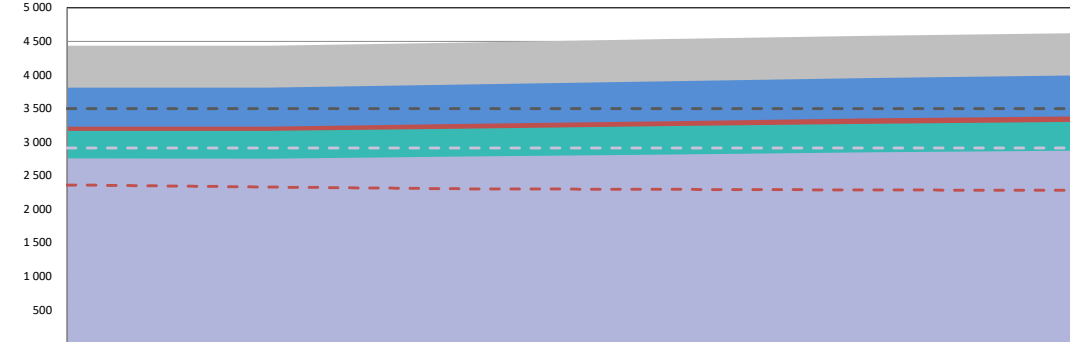
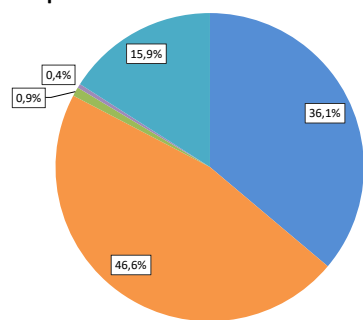
Base Demand in	2019
Domestic Demand (m ³ /day)	1 509
Non-Domestic Demand (m ³ /day)	942
Operational Use (m ³ /day)	41
Apparent Losses (m ³ /day)	19
Leakage (m ³ /day)	1 293
Demand (m³/day)	3 803



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
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	

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)	
2019	4 500	4 500	4 950	5 400	126	44 -	307 -	72	
2025	4 500	4 500	4 950	5 400	62 -	28 -	392 -	81	
2030	4 500	4 500	4 950	5 400 -	34 -	131 -	514 -	94	
2035	4 500	4 500	4 950	5 400 -	129 -	234 -	636 -	1 08	
2040	4 500	4 500	4 950	5 400 -	225 -	337 -	757 -	1 21	
2044	4 500	4 500	4 950	5 400 -	301 -	416 -	854 -	1 32	

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



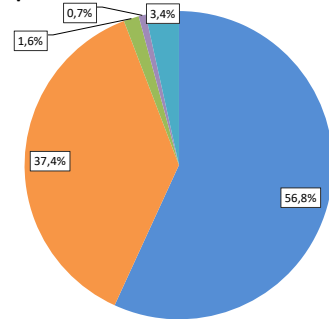
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP1000010	Baillieborough 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	2 917	2 364	2 364	3 500 -	253 -	865 -	1 446 -	938		
2025	2 917	2 332	2 332	3 500 -	251 -	899 -	1 480 -	935		
2030	2 917	2 306	2 306	3 500 -	286 -	965 -	1 554 -	984		
2035	2 917	2 298	2 298	3 500 -	322 -	1 014 -	1 609 -	1 034		
2040	2 917	2 291	2 291	3 500 -	357 -	1 061 -	1 664 -	1 084		
2044	2 917	2 285	2 285	3 500 -	386 -	1 096 -	1 707 -	1 123		

WRZ CODE	0200SC0016	WRZ Name	Belturbet PWS	Study Area	B	Study Group	Local Authority	Cavan

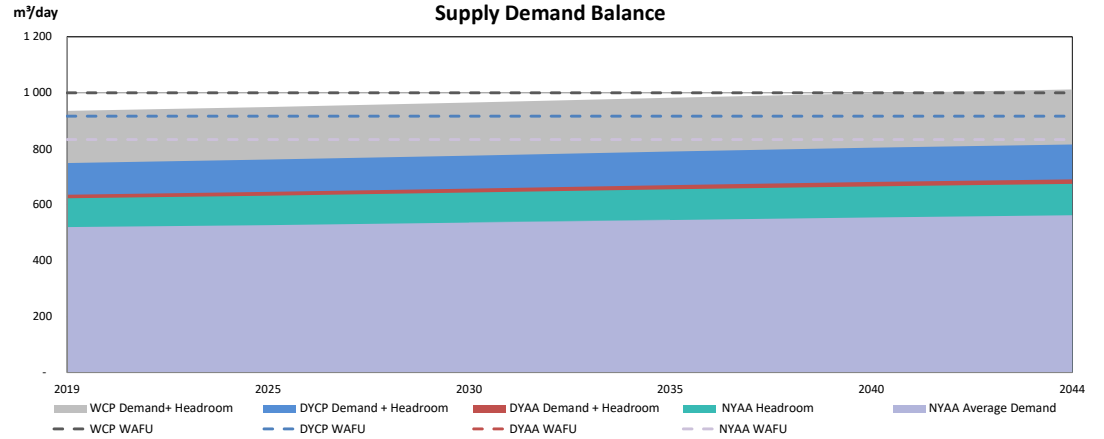
Base Demand in	2019
Domestic Demand (m³/day)	295
Non-Domestic Demand (m³/day)	194
Operational Use (m³/day)	8
Apparent Losses (m³/day)	4
Leakage (m³/day)	18
Demand (m³/day)	519

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

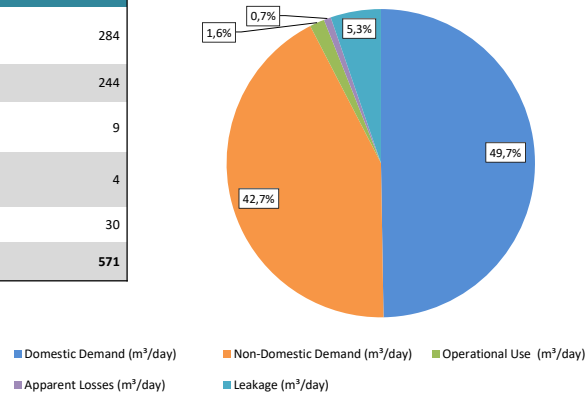
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

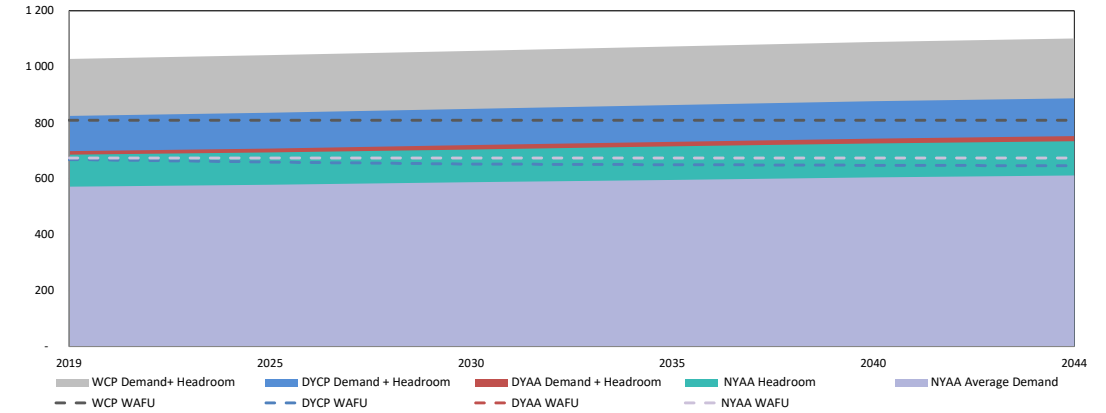
Base Demand in	2019
Domestic Demand (m ³ /day)	284
Non-Domestic Demand (m ³ /day)	244
Operational Use (m ³ /day)	9
Apparent Losses (m ³ /day)	4
Leakage (m ³ /day)	30
Demand (m³/day)	571

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m 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

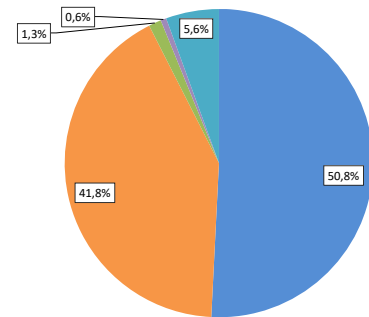
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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 (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)		NYAA (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)	
2019	675		675		669		810 -		11 -		23 -		155 -		218	
2025	675		675		660		810 -		19 -		33 -		175 -		231	
2030	675		675		653		810 -		30 -		45 -		197 -		247	
2035	675		675		650		810 -		40 -		56 -		213 -		263	
2040	675		675		648		810 -		51 -		68 -		228 -		279	
2044	675		675		647		810 -		59 -		77 -		241 -		291	

WRZ CODE	0200SC0018	WRZ Name	Kingscourt PWS	Study Area	E	Study Group	Local Authority	Cavan

Base Demand in	2019
Domestic Demand (m³/day)	352
Non-Domestic Demand (m³/day)	289
Operational Use (m³/day)	9
Apparent Losses (m³/day)	4
Leakage (m³/day)	39
Demand (m³/day)	693

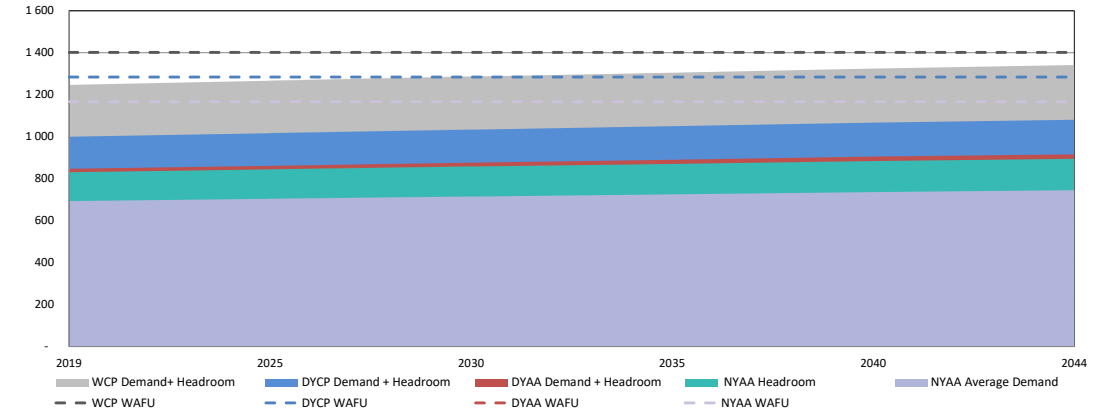
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	693	139	831	847	999	1 247
2025	704	141	844	861	1 016	1 267
2030	715	143	857	876	1 033	1 286
2035	725	145	870	890	1 050	1 306
2040	736	147	884	905	1 067	1 325
2044	745	149	894	915	1 081	1 341

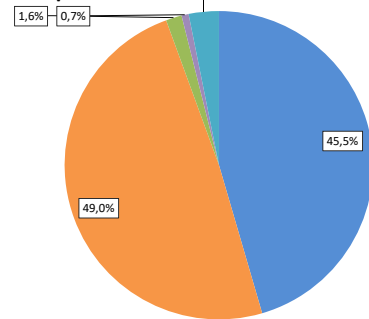
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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

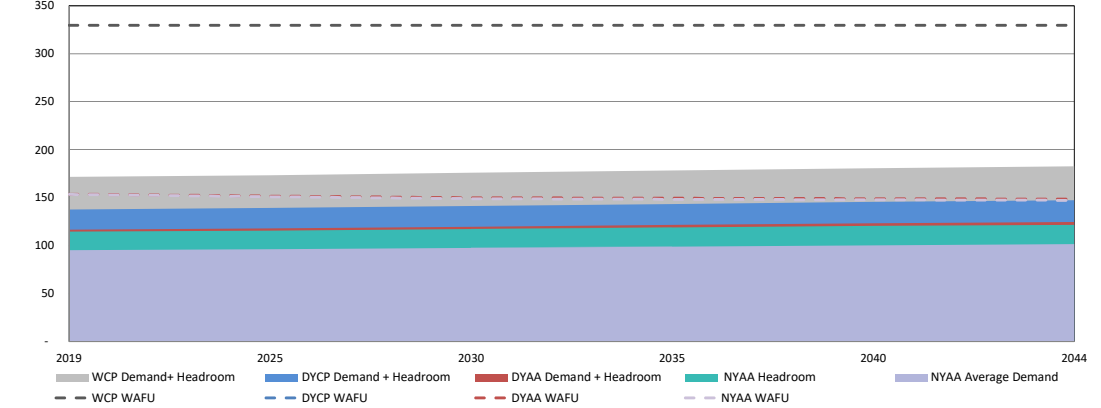
Components of Base Demand 2019



■ 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	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

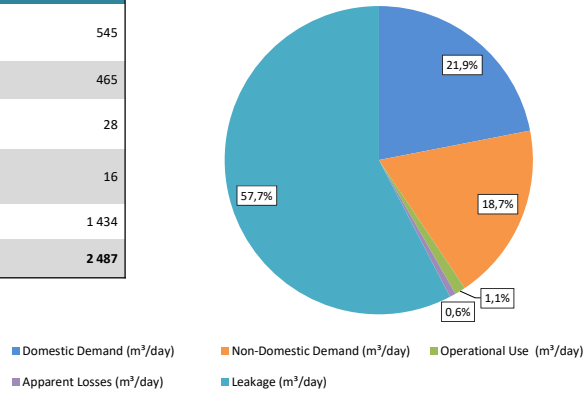
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	154	154	154	330	39	37	16	15	
2025	151	152	152	330	35	34	13	15	
2030	149	150	150	330	32	30	9	15	
2035	148	150	150	330	30	28	6	15	
2040	148	149	149	330	27	26	4	14	
2044	147	149	149	330	26	24	1	14	

WRZ CODE	0300SC0001	WRZ Name	West Clare	Study Area	G	Study Group	Local Authority	Clare

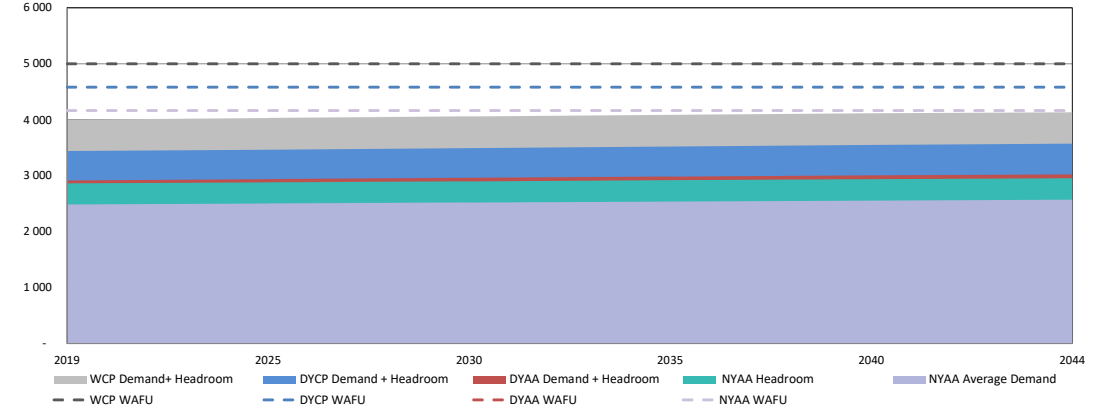
Base Demand in	2019
Domestic Demand (m ³ /day)	545
Non-Domestic Demand (m ³ /day)	465
Operational Use (m ³ /day)	28
Apparent Losses (m ³ /day)	16
Leakage (m ³ /day)	1 434
Demand (m³/day)	2 487

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m 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

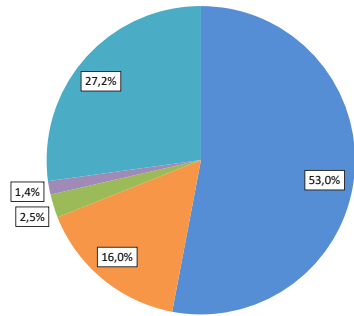
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	0300SC0003	WRZ Name	Corofin PWS	Study Area	G	Study Group	Local Authority	Clare

Base Demand in	2019
Domestic Demand (m³/day)	158
Non-Domestic Demand (m³/day)	47
Operational Use (m³/day)	7
Apparent Losses (m³/day)	4
Leakage (m³/day)	81
Demand (m³/day)	297

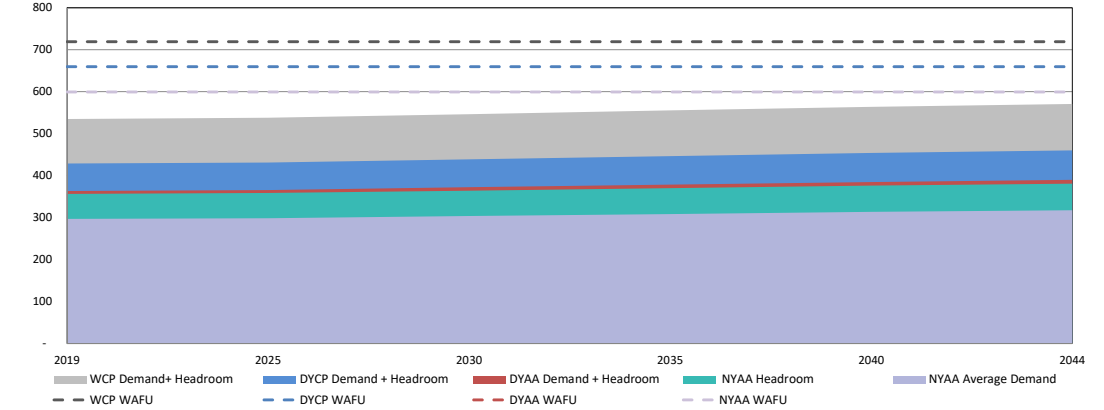
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



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



2019 2025 2030 2035 2040 2044

■ WCP Demand+ Headroom ■ DYCP Demand + Headroom ■ DYAA Demand + Headroom ■ NYAA Headroom ■ NYAA Average Demand

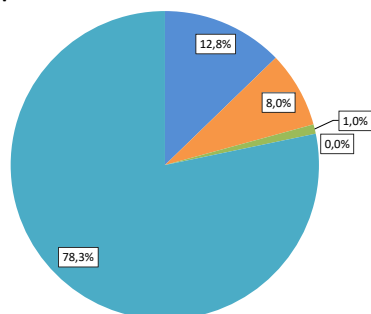
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Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000490	Carron (Termon Spring) WTP	139	116	127	No Licence	48	Yield	47	-	47	Significant Reduction
TOTAL		139	116	127	-	48		47	-	47	

WRZ CODE	0300SC0005	WRZ Name	Kilkeedy PWS	Study Area	G	Study Group	Local Authority	Clare

Base Demand in	2019
Domestic Demand (m³/day)	8
Non-Domestic Demand (m³/day)	5
Operational Use (m³/day)	1
Apparent Losses (m³/day)	-
Leakage (m³/day)	49
Demand (m³/day)	63

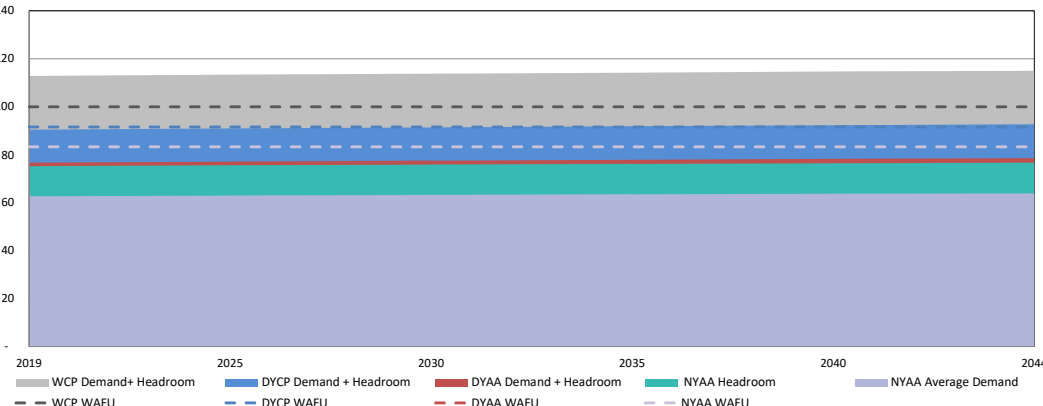
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

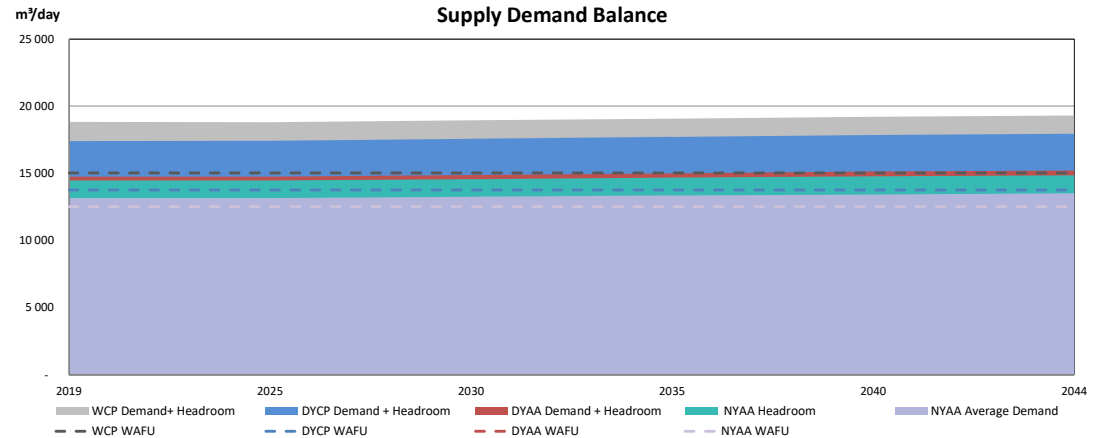
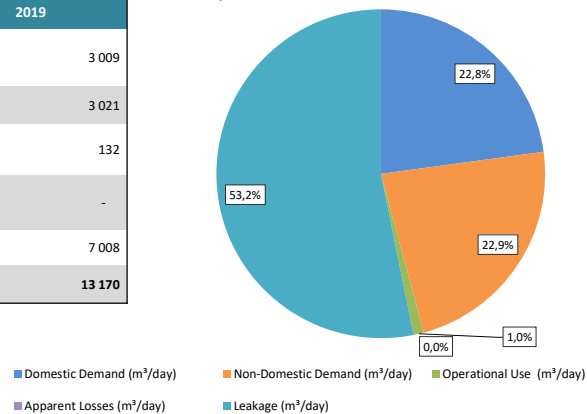
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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



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

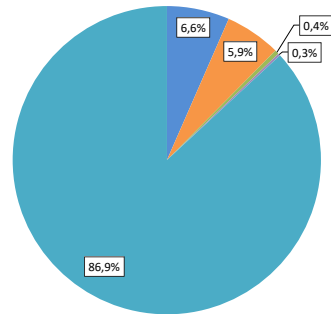
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments 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	Issue Capacity / Yield (Unknown)
					</						

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)	
2019	12 542	12 542	13 796	15 050	1 945	2 216	3 618	3 783	
2025	12 542	12 542	13 796	15 050	1 936	2 228	3 631	3 771	
2030	12 542	12 542	13 796	15 050	2 039	2 350	3 775	3 905	
2035	12 542	12 542	13 796	15 050	2 141	2 473	3 920	4 038	
2040	12 542	12 542	13 796	15 050	2 244	2 596	4 062	4 171	
2044	12 542	12 542	13 796	15 050	2 326	2 680	4 176	4 278	

WRZ CODE	0300SC0014	WRZ Name	Flagmount PWS	Study Area	8	Study Group		Local Authority	Clare

Base Demand in	2019
Domestic Demand (m³/day)	4
Non-Domestic Demand (m³/day)	3
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	50
Demand (m³/day)	57

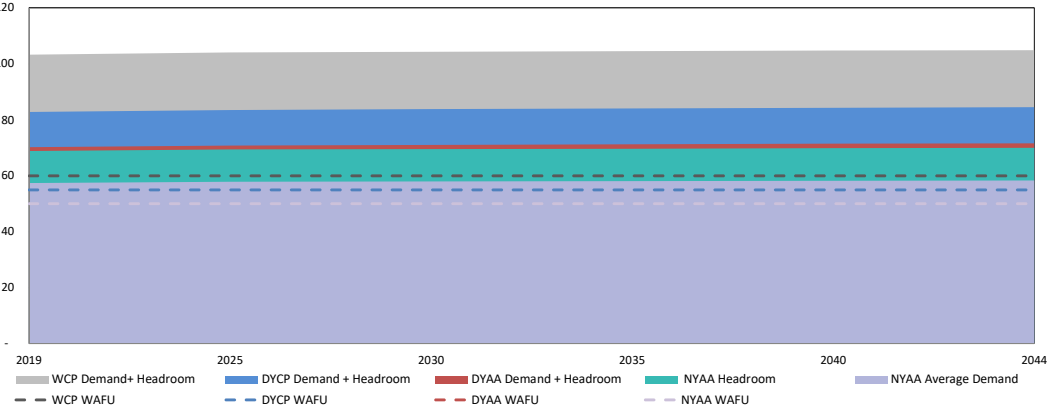
Components of Base Demand 2019



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

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	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

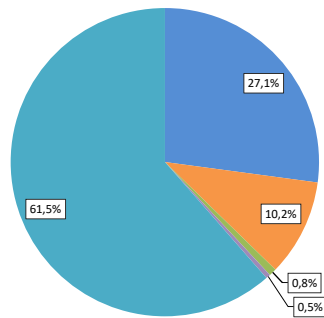
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	59
Non-Domestic Demand (m³/day)	22
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	134
Demand (m³/day)	218

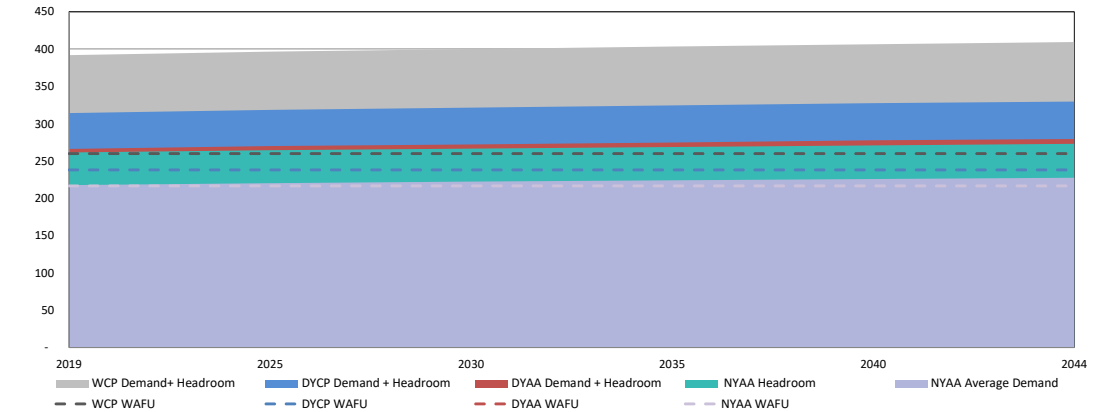
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

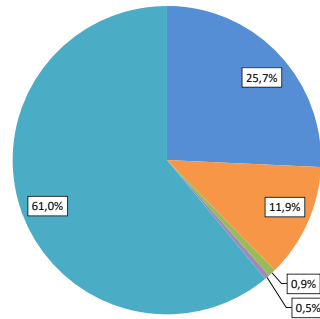
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000293	Bauragegaun WTP	260	217	238	No Licence	249	22Hr	238	-	238	
TOTAL		260	217	238	-	249		238	-	238	

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)		
2019	217	217	238	260	-	45	-	50	-	132
2025	217	217	238	260	-	48	-	53	-	137
2030	217	217	238	260	-	50	-	56	-	140
2035	217	217	238	260	-	52	-	58	-	143
2040	217	217	238	260	-	54	-	61	-	147
2044	217	217	238	260	-	56	-	63	-	149

WRZ CODE	0300SC0016	WRZ Name	Scarriff PWS	Study Area	8	Study Group		Local Authority	Clare

Base Demand in	2019
Domestic Demand (m³/day)	170
Non-Domestic Demand (m³/day)	79
Operational Use (m³/day)	6
Apparent Losses (m³/day)	3
Leakage (m³/day)	405
Demand (m³/day)	663

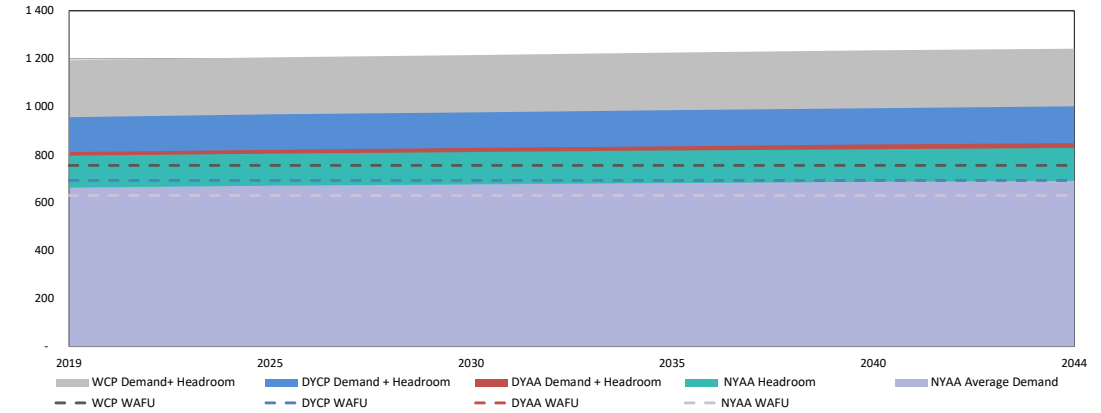
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

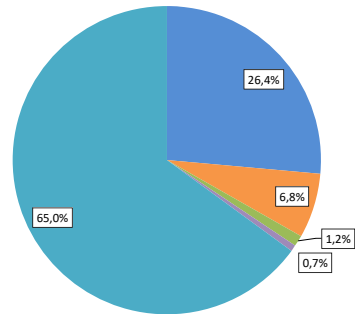
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	630	630	693	756	166	181	263	438	
2025	630	630	693	756	174	190	275	450	
2030	630	630	693	756	181	198	284	460	
2035	630	630	693	756	187	205	293	469	
2040	630	630	693	756	193	213	301	479	
2044	630	630	693	756	198	218	308	487	

WRZ CODE	0300SC0017	WRZ Name	Mountshannon PWS	Study Area	8	Study Group		Local Authority	Clare

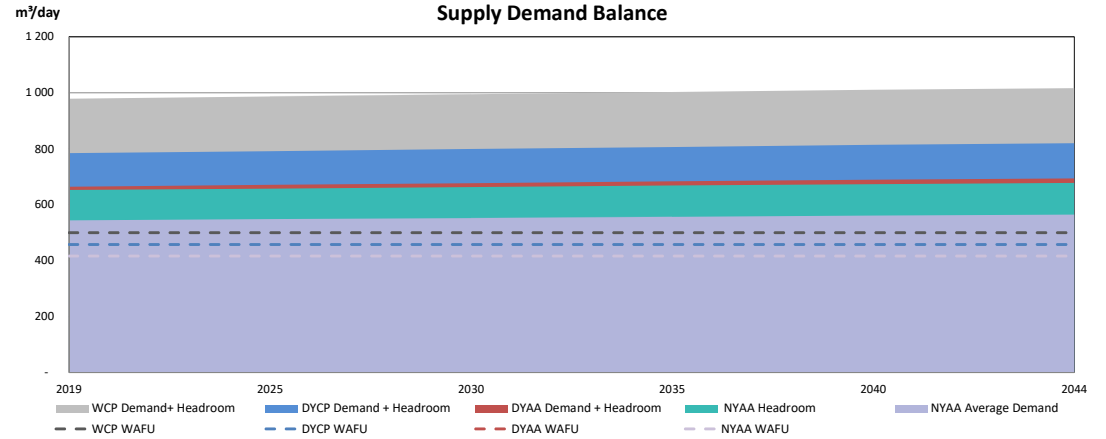
Base Demand in	2019
Domestic Demand (m³/day)	144
Non-Domestic Demand (m³/day)	37
Operational Use (m³/day)	6
Apparent Losses (m³/day)	4
Leakage (m³/day)	353
Demand (m³/day)	544

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

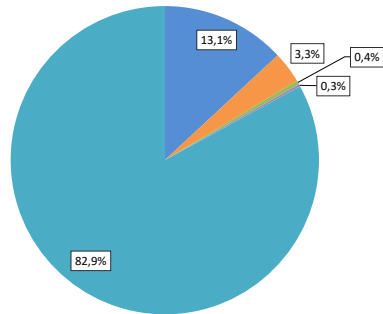
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

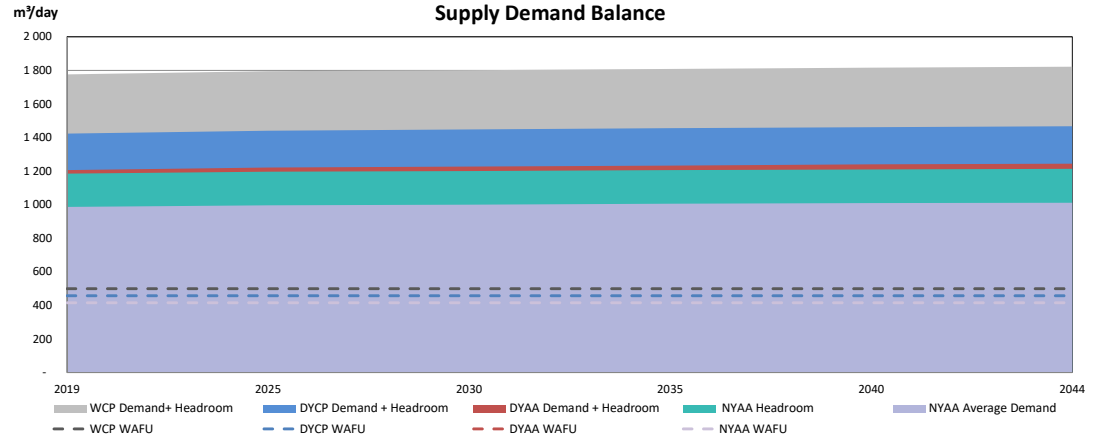
Base Demand in	2019
Domestic Demand (m³/day)	129
Non-Domestic Demand (m³/day)	32
Operational Use (m³/day)	4
Apparent Losses (m³/day)	2
Leakage (m³/day)	819
Demand (m³/day)	987

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	987	197	1 184	1 207	1 424	1 777
2025	997	199	1 196	1 220	1 440	1 794
2030	1 001	200	1 201	1 227	1 447	1 802
2035	1 005	201	1 206	1 233	1 455	1 809
2040	1 009	202	1 211	1 240	1 462	1 816
2044	1 012	202	1 215	1 244	1 468	1 822

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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	417	417	458	500 -	768 -	790 -	965 -	1 277	
2025	417	417	458	500 -	780 -	804 -	982 -	1 294	
2030	417	417	458	500 -	784 -	810 -	989 -	1 302	
2035	417	417	458	500 -	789 -	816 -	997 -	1 309	
2040	417	417	458	500 -	794 -	823 -	1 004 -	1 316	
2044	417	417	458	500 -	798 -	827 -	1 010 -	1 322	

WRZ CODE	0300SC0020	WRZ Name	Ennis	Study Area	8	Study Group		Local Authority	Clare

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

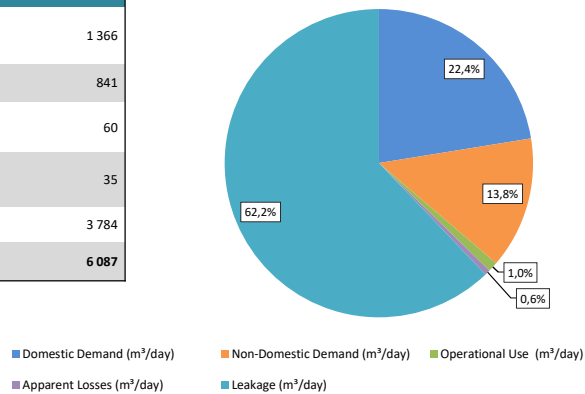
Water Available for Use in 2044 DYCP

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)		
2019	12 667	12 667	13 933	15 200 -	438 -	684 -	1 819 -	1 837 -		
2025	12 667	12 667	13 933	15 200 -	445 -	709 -	1 850 -	1 846 -		
2030	12 667	12 667	13 933	15 200 -	693 -	978 -	2 166 -	2 167 -		
2035	12 667	12 667	13 933	15 200 -	940 -	1 247 -	2 483 -	2 488 -		
2040	12 667	12 667	13 933	15 200 -	1 187 -	1 517 -	2 799 -	2 810 -		
2044	12 667	12 667	13 933	15 200 -	1 385 -	1 719 -	3 051 -	3 067 -		

WRZ CODE	0300SC0021	WRZ Name	Ennistymon	Study Area	G	Study Group	Local Authority	Clare

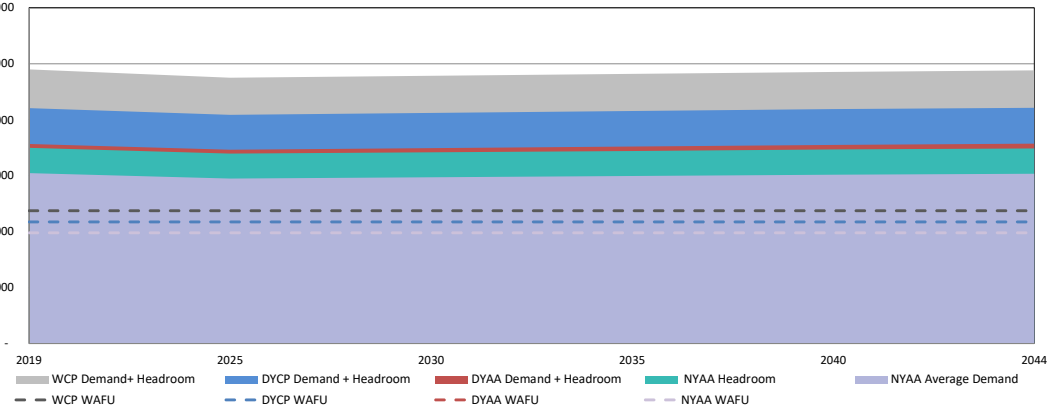
Base Demand in	2019
Domestic Demand (m³/day)	1 366
Non-Domestic Demand (m³/day)	841
Operational Use (m³/day)	60
Apparent Losses (m³/day)	35
Leakage (m³/day)	3 784
Demand (m³/day)	6 087

Components of Base Demand 2019



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	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	3 958	3 958	4 354	4 750	-	3 041	-	3 173	-	5 050
2025	3 958	3 958	4 354	4 750	-	2 830	-	2 967	-	4 754
2030	3 958	3 958	4 354	4 750	-	2 879	-	3 025	-	4 822
2035	3 958	3 958	4 354	4 750	-	2 928	-	3 083	-	4 891
2040	3 958	3 958	4 354	4 750	-	2 976	-	3 142	-	4 959
2044	3 958	3 958	4 354	4 750	-	3 015	-	3 181	-	5 013

WRZ CODE	0300SC0023	WRZ Name	West Clare	Study Area	G	Study Group		Local Authority	Clare

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

Water Available for Use in 2044 DYCP

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)	
2019	13 047	13 047	14 351	15 656	1 164	942	68	20	
2025	13 047	13 047	14 351	15 656	1 080	839 -	53	9	
2030	13 047	13 047	14 351	15 656	1 020	764 -	142	2	
2035	13 047	13 047	14 351	15 656	960	688 -	232 -	5	
2040	13 047	13 047	14 351	15 656	900	611 -	319 -	13	
2044	13 047	13 047	14 351	15 656	852	562 -	389 -	19	

WRZ CODE	0300SC0024	WRZ Name	Killaloe	Study Area	8	Study Group		Local Authority	Clare

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

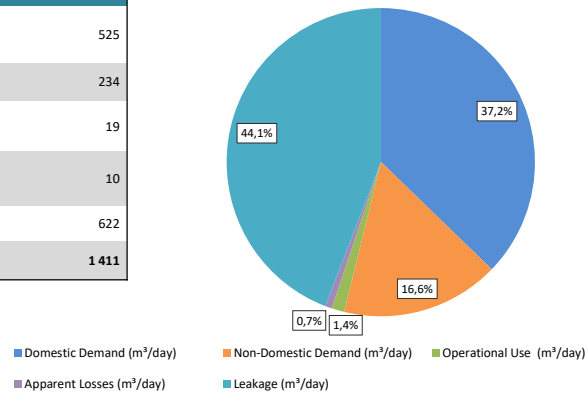
Water Available for Use in 2044 DYCP

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)	
2019	1 300	1 300	1 430	1 560	360	342	299	149	
2025	1 300	1 300	1 430	1 560	350	331	287	139	
2030	1 300	1 300	1 430	1 560	339	318	271	118	
2035	1 300	1 300	1 430	1 560	327	305	256	100	
2040	1 300	1 300	1 430	1 560	315	292	241	83	
2044	1 300	1 300	1 430	1 560	306	282	229	69	

WRZ CODE	0500SC0002	WRZ Name	Conna Regional	Study Area	J	Study Group	Local Authority	Cork

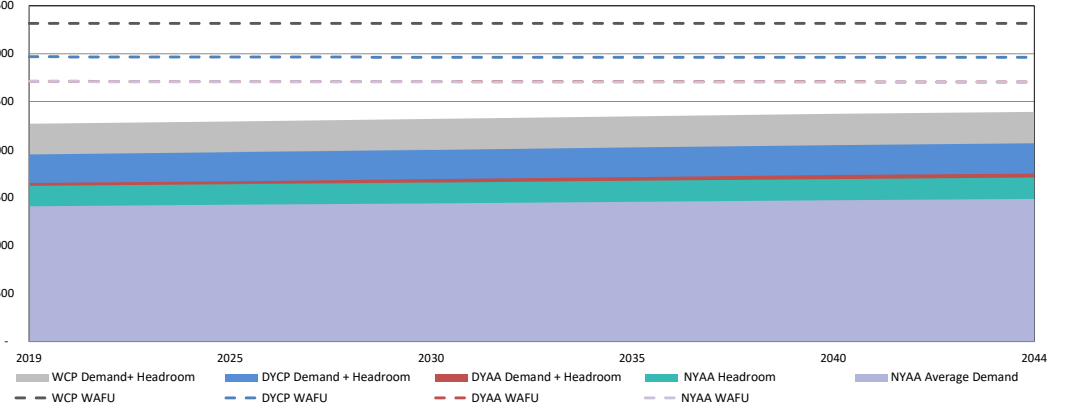
Base Demand in	2019
Domestic Demand (m³/day)	525
Non-Domestic Demand (m³/day)	234
Operational Use (m³/day)	19
Apparent Losses (m³/day)	10
Leakage (m³/day)	622
Demand (m³/day)	1 411

Components of Base Demand 2019



m³/day

Supply Demand Balance



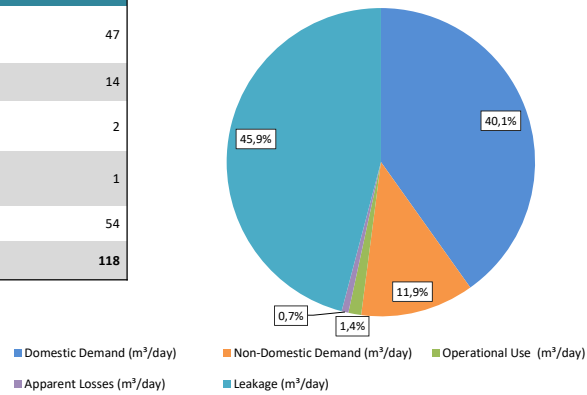
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	1 411	212	1 622	1 653	1 950	2 271
2025	1 425	214	1 639	1 672	1 973	2 294
2030	1 441	216	1 657	1 693	1 997	2 320
2035	1 457	219	1 676	1 714	2 022	2 347
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 (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
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	

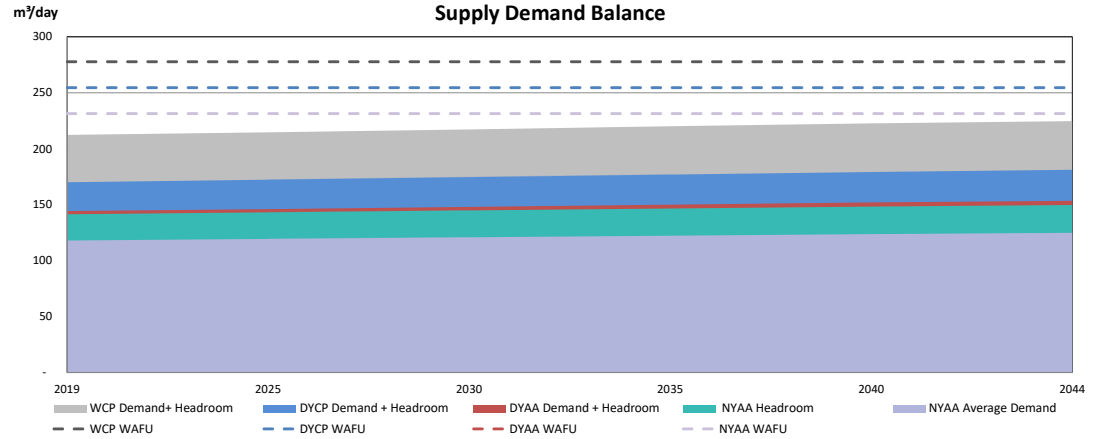
WRZ CODE	0500SC0004	WRZ Name	Ballynoe	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	47
Non-Domestic Demand (m³/day)	14
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	54
Demand (m³/day)	118

Components of Base Demand 2019



Supply Demand Balance

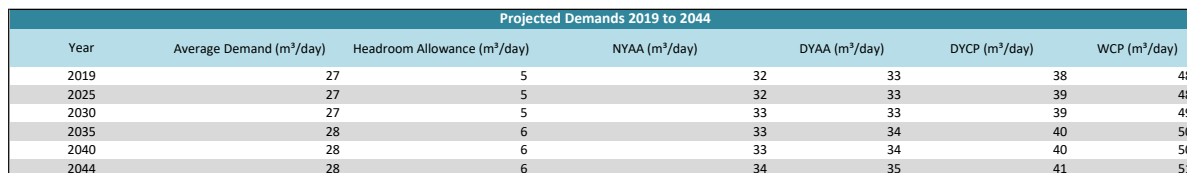
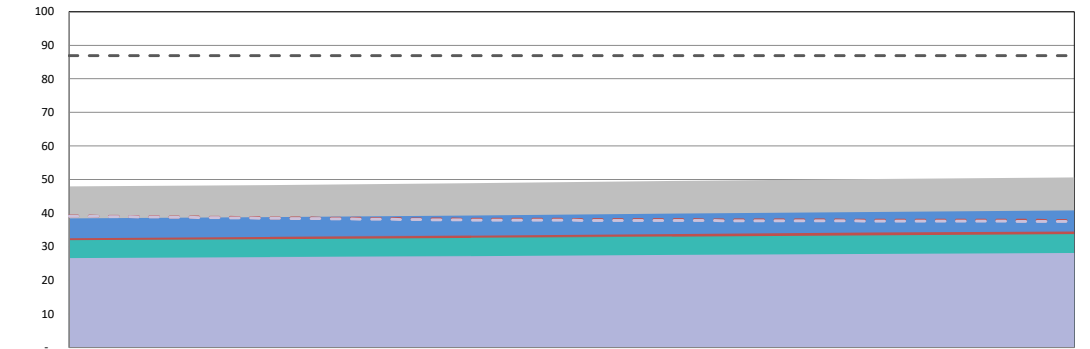
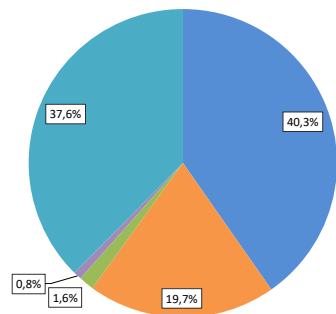


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	118	24	142	144	170	212
2025	119	24	143	146	172	215
2030	121	24	145	148	175	217
2035	122	24	147	150	177	220
2040	124	25	148	152	179	223
2044	125	25	150	153	181	225

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
WTP0000017	Booladurragh WTP	139	116	127	No Licence	261	22Hr	127	-	127	
WTP0000271	Booladurragh WTP	139	116	127	No Licence	266	22Hr	127	-	127	
TOTAL		278	232	255	-	527		255	-	255	

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)	
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	

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



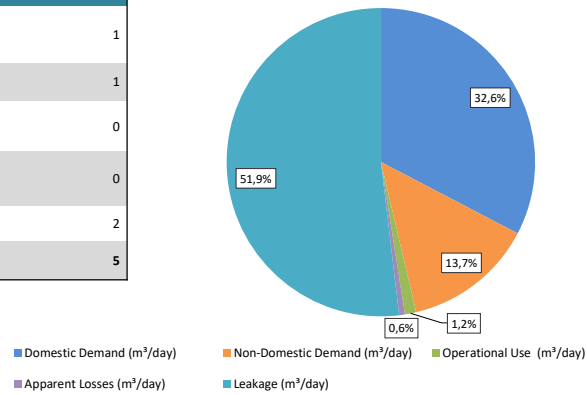
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)		NYAA (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)
2019		39		39		39	87		7		7		1		3
2025		39		39		39	87		6		6 -		0		3
2030		38		38		38	87		5		5 -		1		3
2035		38		38		38	87		5		4 -		2		3
2040		38		38		38	87		4		4 -		2		3
2044		38		38		38	87		4		3 -		3		3

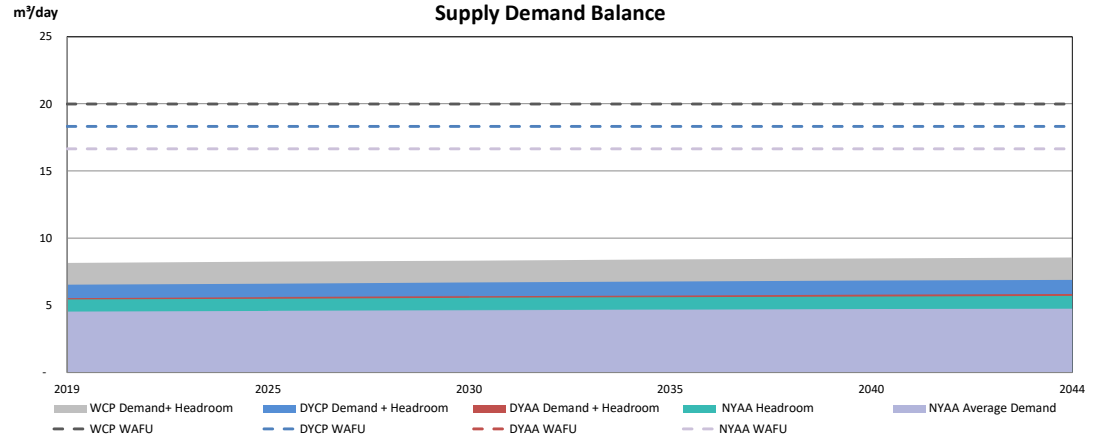
WRZ CODE	0500SC0007	WRZ Name	Tarelton	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	2
Demand (m³/day)	5

Components of Base Demand 2019



Supply Demand Balance

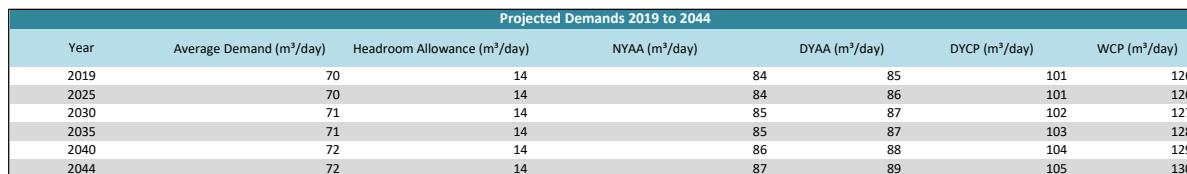
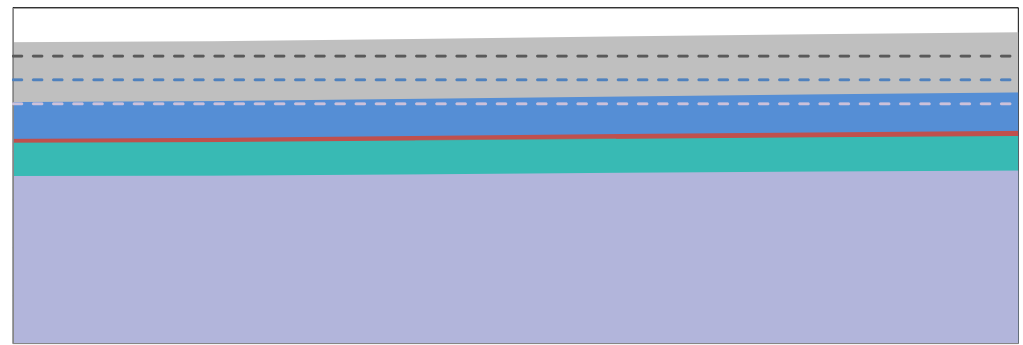
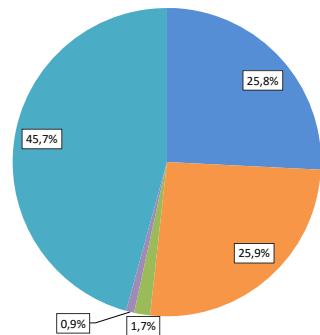


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	5	1	5	6	7	8
2025	5	1	6	6	7	8
2030	5	1	6	6	7	8
2035	5	1	6	6	7	8
2040	5	1	6	6	7	9
2044	5	1	6	6	7	9

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (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	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

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



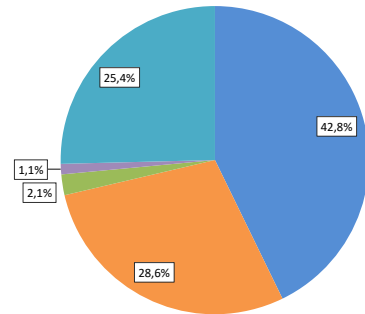
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	100	100	110	120	16	15	9	-
2025	100	100	110	120	16	14	9	-
2030	100	100	110	120	15	13	8	-
2035	100	100	110	120	15	13	7	-
2040	100	100	110	120	14	12	6	-
2044	100	100	110	120	13	11	5	-

WRZ CODE	0500SC0009	WRZ Name	Ballingeary	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	30
Non-Domestic Demand (m³/day)	20
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	18
Demand (m³/day)	70

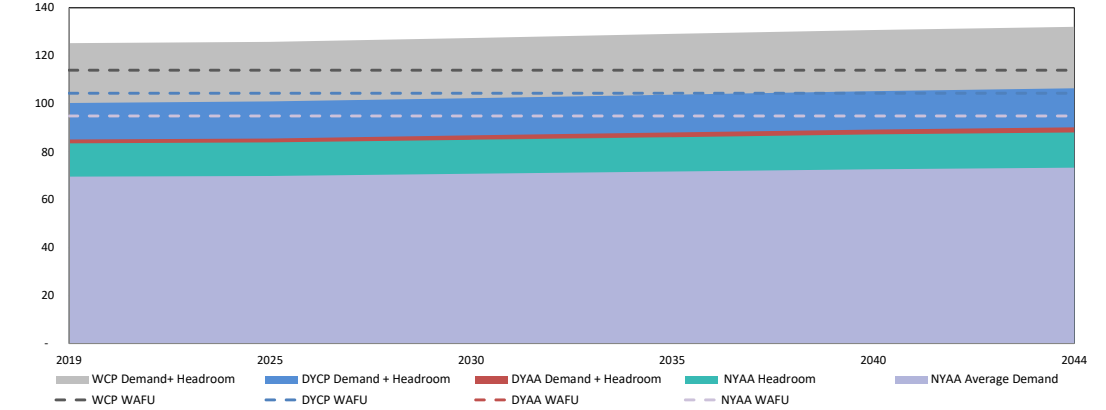
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



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



2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom
WCP WAFU
DYCP Demand + Headroom
DYCP WAFU
DYAA Demand + Headroom
DYAA WAFU
NYAA Headroom
NYAA Average Demand
NYAA WAFU

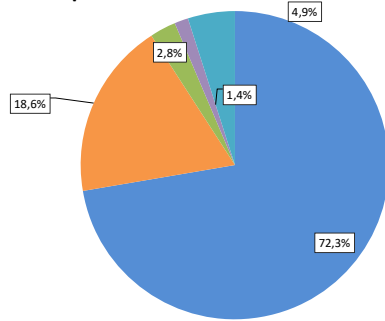
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	100	100	110	120	36	34	33	2
2025	100	100	110	120	35	34	32	2
2030	100	100	110	120	34	33	31	2
2035	100	100	110	120	34	32	30	2
2040	100	100	110	120	33	32	30	2
2044	100	100	110	120	33	31	29	2

WRZ CODE	0500SC0013	WRZ Name	Newcestown	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	8
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	1
Demand (m³/day)	12

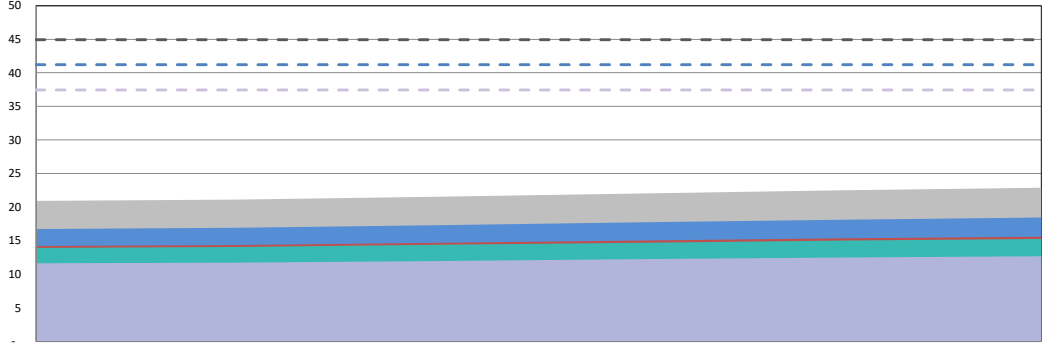
Components of Base Demand 2019



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

m³/day

Supply Demand Balance



2019 2025 2030 2035 2040 2044
 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

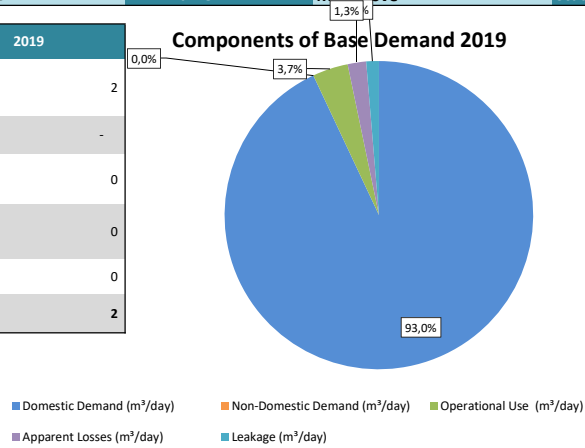
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

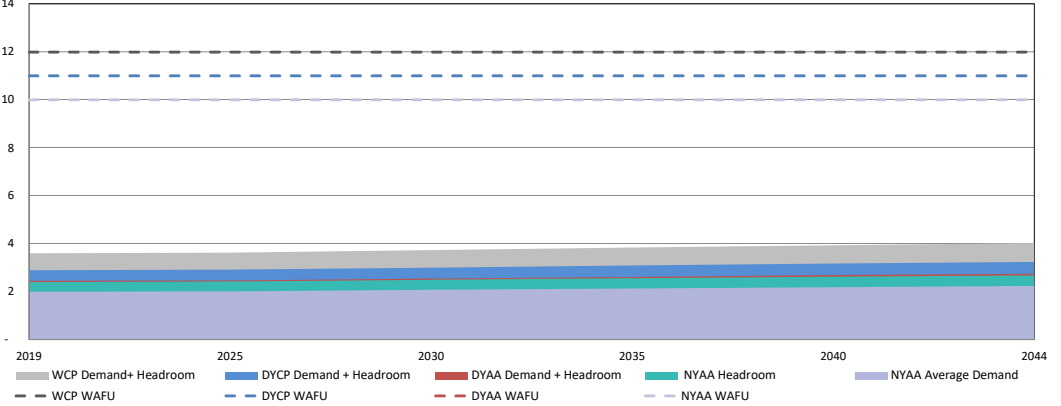
Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	0
Demand (m³/day)	2

Components of Base Demand 2019



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	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



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



2019 2025 2030 2035 2040 2044

■ WCP Demand+ Headroom ■ DYCP Demand + Headroom ■ DYAA Demand + Headroom ■ NYAA Headroom ■ NYAA Average Demand

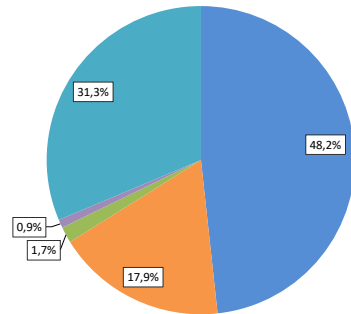
— WCP WAFU — DYCP WAFU — DYAA WAFU — NYAA WAFU

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
WTP0000722	Roberts Cove WTP	46	38	42	No Licence	144	22Hr	42	-	42	Significant Reduction
TOTAL		46	38	42	-	144		42	-	42	

WRZ CODE	0500SC0017	WRZ Name	Nohoval	Study Area	I	Study Group	Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	19
Non-Domestic Demand (m³/day)	7
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	12
Demand (m³/day)	39

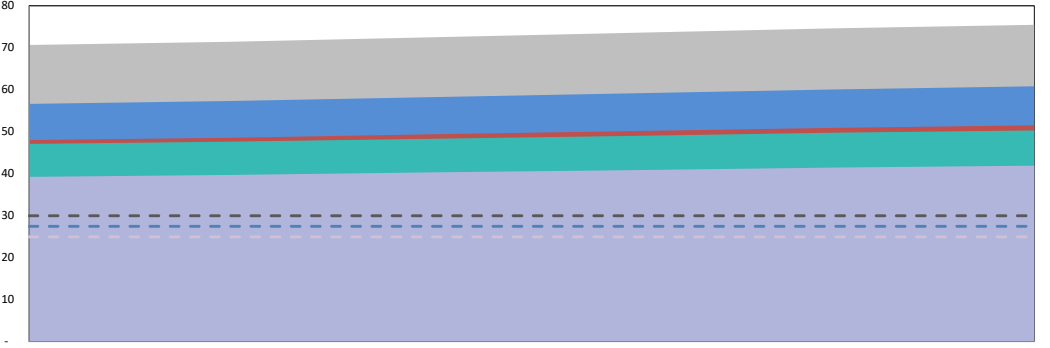
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

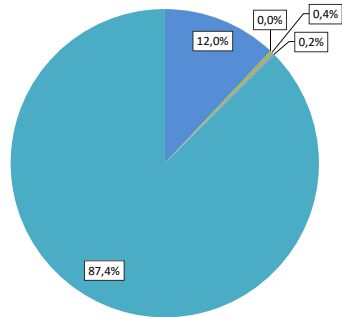
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000218	Nohoval WTP Site	30	25	28	No Licence	38	22Hr	28	-	28	Significant Reduction
TOTAL		30	25	28	-	38		28	-	28	

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)		
2019	25	25	28	30	-	22	-	29	-	4
2025	25	25	28	30	-	23	-	30	-	4
2030	25	25	28	30	-	23	-	31	-	4
2035	25	25	28	30	-	24	-	32	-	4
2040	25	25	28	30	-	25	-	33	-	4
2044	25	25	28	30	-	25	-	33	-	4

WRZ CODE	0500SC0019	WRZ Name	Ard Na Killy Ridge	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	5
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	35
Demand (m³/day)	40

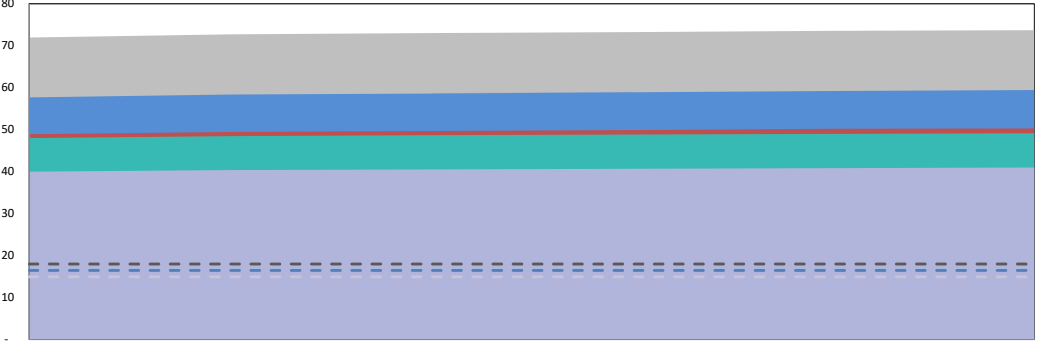
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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

2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom DYCP Demand + Headroom DYAA Demand + Headroom NYAA Headroom NYAA Average Demand

WCP WAFU DYCP WAFU DYAA WAFU NYAA WAFU

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
WTP0000600	Cullen WTP	10	8	9	No Licence	10	22Hr	9	-	9	
TOTAL		10	8	9	-	10		9	-	9	

WRZ CODE	0500SC0021	WRZ Name	Skibbereen	Study Area	I	Study Group		Local Authority	Cork

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

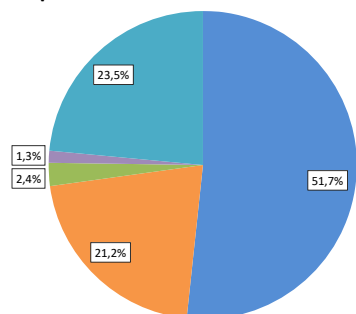
Water Available for Use in 2044 DYCP

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)	
2019	1 197	1 168	1 281	2 133 -	237 -	293 -	442	12	
2025	1 195	1 167	1 280	2 133 -	252 -	309 -	461	10	
2030	1 192	1 166	1 279	2 133 -	269 -	327 -	482	8	
2035	1 192	1 165	1 279	2 133 -	284 -	344 -	502	6	
2040	1 191	1 165	1 279	2 133 -	300 -	361 -	522	4	
2044	1 191	1 165	1 278	2 133 -	312 -	373 -	538	3	

WRZ CODE	0500SC0023	WRZ Name	Toomore	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	8
Non-Domestic Demand (m³/day)	3
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	4
Demand (m³/day)	15

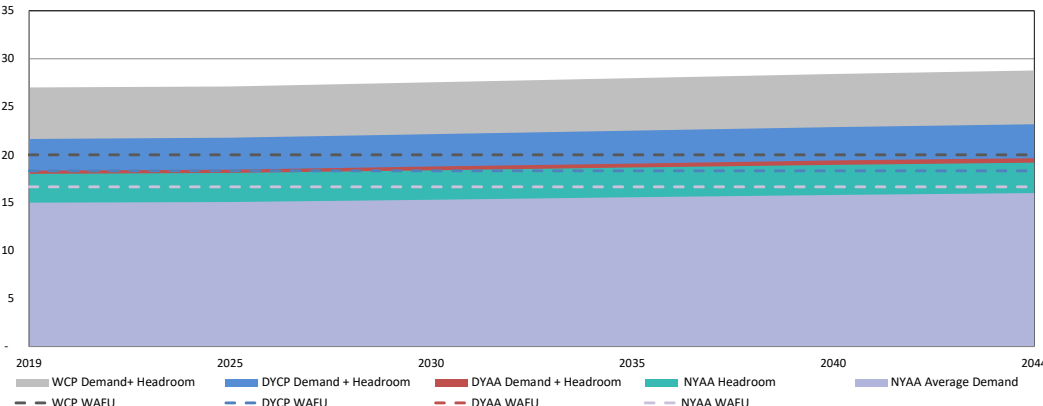
Components of Base Demand 2019



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

m³/day

Supply Demand Balance

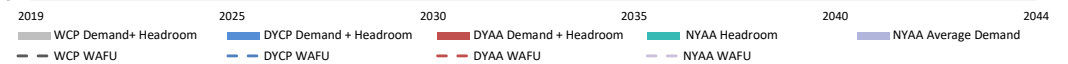
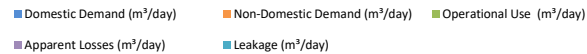


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	15	3	18	18	22	27
2025	15	3	18	18	22	27
2030	15	3	18	19	22	28
2035	16	3	19	19	23	28
2040	16	3	19	19	23	28
2044	16	3	19	20	23	29

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (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	1 -	2 -	3 -	7	
2025	17	17	18	20	1 -	2 -	3 -	7	
2030	17	17	18	20	2 -	2 -	4 -	8	
2035	17	17	18	20	2 -	2 -	4 -	8	
2040	17	17	18	20	2 -	3 -	5 -	8	
2044	17	17	18	20	3 -	3 -	5 -		

WRZ CODE	0500SC0024	WRZ Name	Goleen	Study Area	I	Study Group		Local Authority	Cork



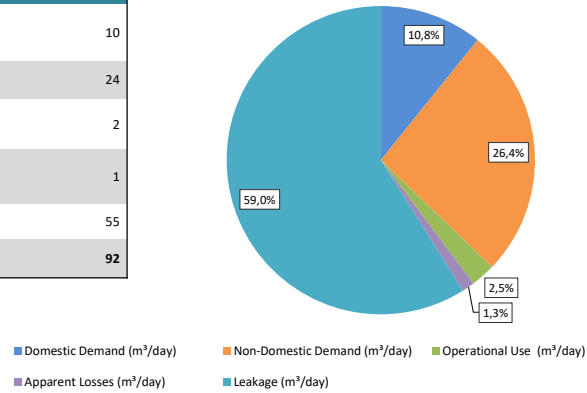
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	90	90	99	108	17	15	11	-
2025	90	90	96	108	17	16	8	-
2030	90	90	92	108	16	14	3	-
2035	90	90	92	108	14	13	0	-
2040	90	90	91	108	13	11	2	-
2044	90	90	90	108	12	10	4	-

WRZ CODE	0500SC0025	WRZ Name	Crookhaven	Study Area	I	Study Group		Local Authority	Cork

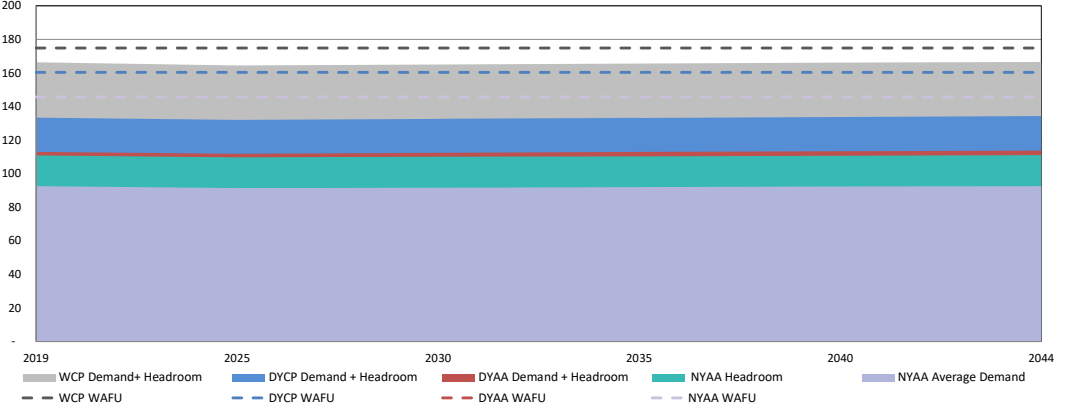
Base Demand in	2019
Domestic Demand (m³/day)	10
Non-Domestic Demand (m³/day)	24
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	55
Demand (m³/day)	92

Components of Base Demand 2019



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	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

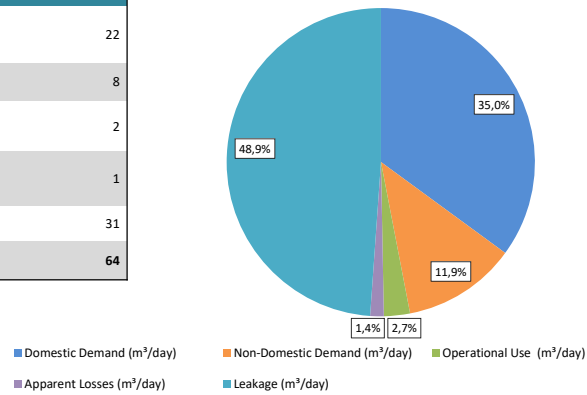
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

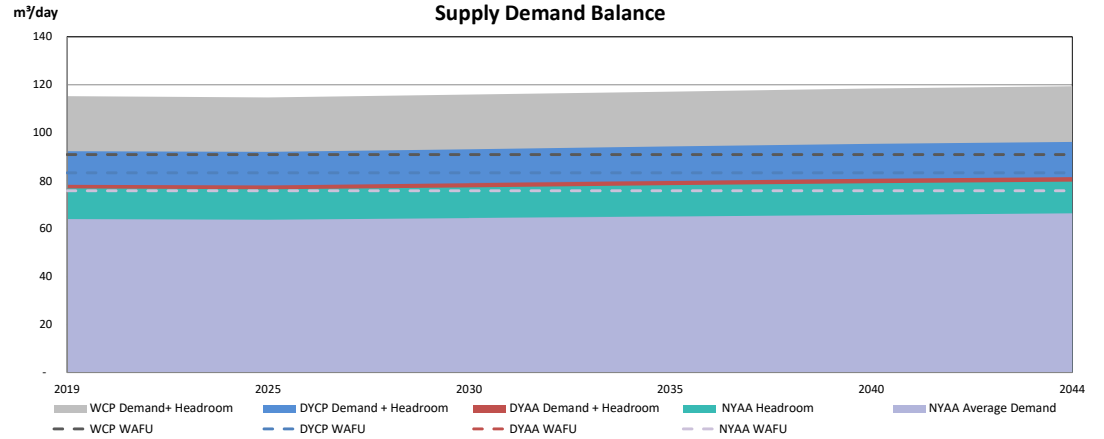
WRZ CODE	0500SC0026	WRZ Name	Kilcrohane	Study Area	I	Study Group	Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	22
Non-Domestic Demand (m³/day)	8
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	31
Demand (m³/day)	64

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	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

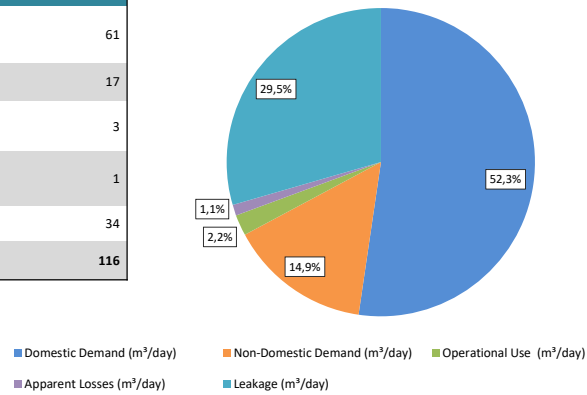
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	76	76	83	91 -	1 -	2 -	9 -	2		
2025	76	76	83	91 -	1 -	2 -	9 -	2		
2030	76	76	83	91 -	1 -	3 -	10 -	2		
2035	76	76	83	91 -	2 -	4 -	11 -	2		
2040	76	76	83	91 -	3 -	5 -	12 -	2		
2044	76	76	83	91 -	4 -	6 -	13 -	2		

WRZ CODE	0500SC0027	WRZ Name	Durrus	Study Area	I	Study Group	Local Authority	Cork

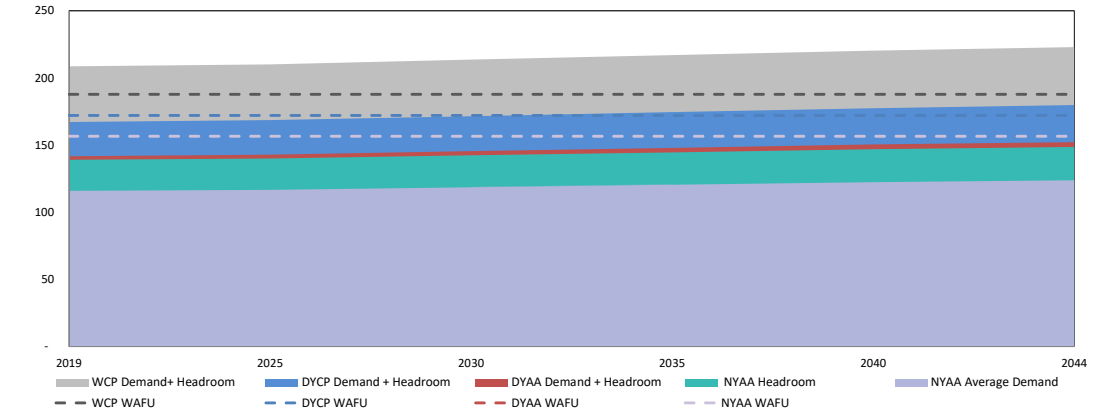
Base Demand in	2019
Domestic Demand (m³/day)	61
Non-Domestic Demand (m³/day)	17
Operational Use (m³/day)	3
Apparent Losses (m³/day)	1
Leakage (m³/day)	34
Demand (m³/day)	116

Components of Base Demand 2019



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	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

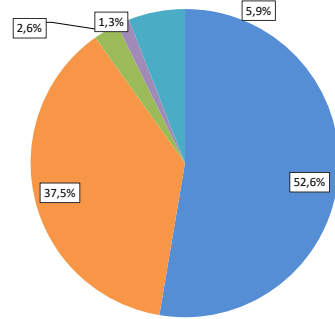
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	157	157	172	188	18	15	5 -	2
2025	157	157	172	188	17	14	4 -	2
2030	157	157	172	188	14	11	1 -	2
2035	157	157	172	188	12	9 -	2 -	2
2040	157	157	172	188	10	6 -	5 -	3
2044	157	157	172	188	8	4 -	7 -	3

WRZ CODE	0500SC0028	WRZ Name	Caheragh	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	21
Non-Domestic Demand (m³/day)	15
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	2
Demand (m³/day)	39

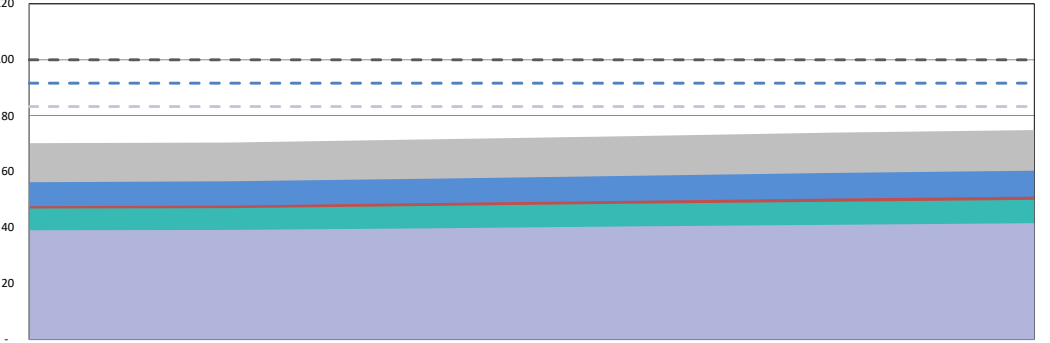
Components of Base Demand 2019



■ 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



2019 WCP Demand + Headroom 2025 DYCP Demand + Headroom 2030 DYAA Demand + Headroom 2035 NYAA Headroom 2040 NYAA Average Demand 2044
 WCP WAFU DYCP WAFU DYAA WAFU NYAA WAFU

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	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

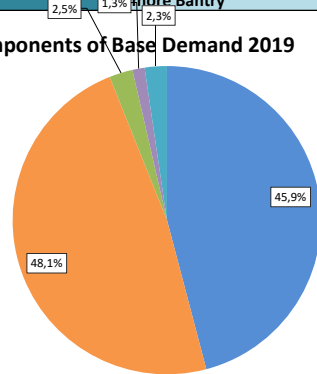
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	more Bantry	Study Area	I	Study Group	Local Authority	Cork

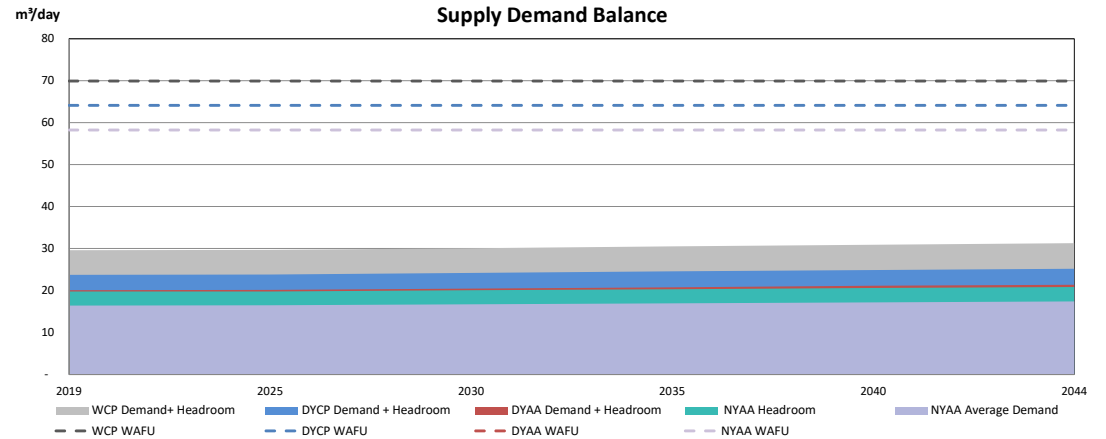
Base Demand in	2019
Domestic Demand (m³/day)	8
Non-Domestic Demand (m³/day)	8
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	0
Demand (m³/day)	16

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

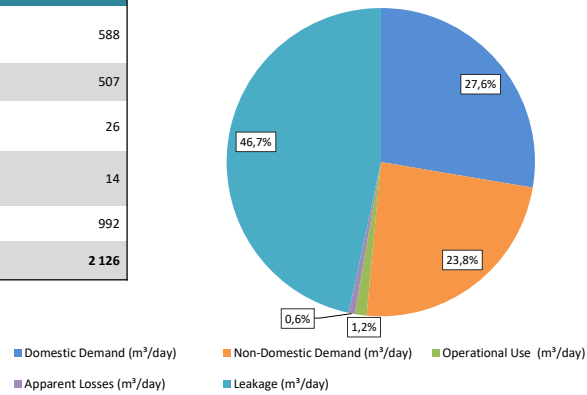
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

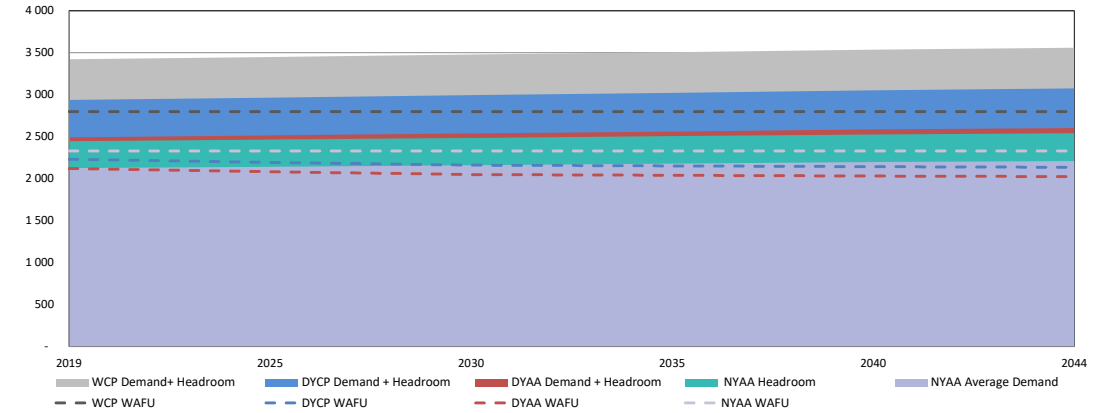
Base Demand in	2019
Domestic Demand (m³/day)	588
Non-Domestic Demand (m³/day)	507
Operational Use (m³/day)	26
Apparent Losses (m³/day)	14
Leakage (m³/day)	992
Demand (m³/day)	2 126

Components of Base Demand 2019



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	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



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



2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom DYCP Demand + Headroom DYAA Demand + Headroom NYAA Headroom NYAA Average Demand

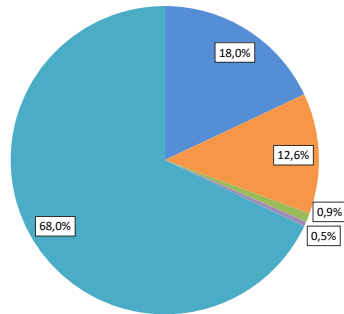
WCP WAFU DYCP WAFU DYAA WAFU NYAA WAFU

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
WTP0001215	Whiddy Island WTP	66	55	61	No Licence	7	Yield	7	-	7	
TOTAL		66	55	61	-	7		7	-	7	

WRZ CODE	0500SC0033	WRZ Name	Adrigole	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	42
Non-Domestic Demand (m³/day)	29
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	158
Demand (m³/day)	232

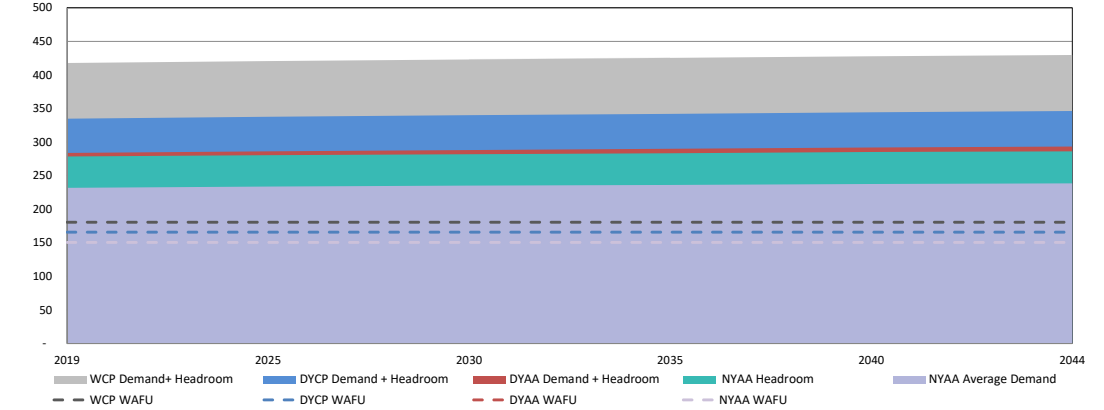
Components of Base Demand 2019



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

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	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

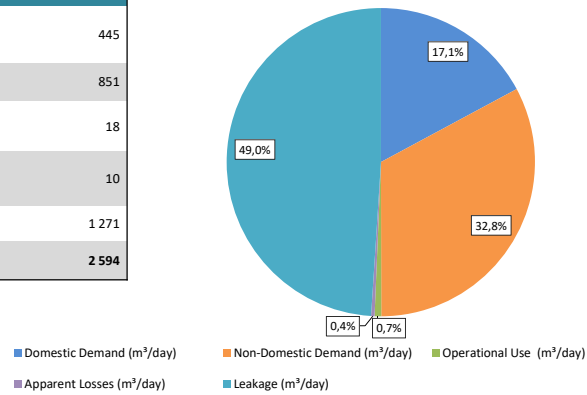
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	151	151	166	181 -	128 -	133 -	169 -	237	
2025	151	151	166	181 -	130 -	135 -	172 -	240	
2030	151	151	166	181 -	131 -	137 -	174 -	242	
2035	151	151	166	181 -	133 -	139 -	176 -	244	
2040	151	151	166	181 -	134 -	141 -	179 -	247	
2044	151	151	166	181 -	136 -	142 -	180 -	249	

WRZ CODE	0500SC0034	WRZ Name	Castletownbere	Study Area	I	Study Group		Local Authority	Cork

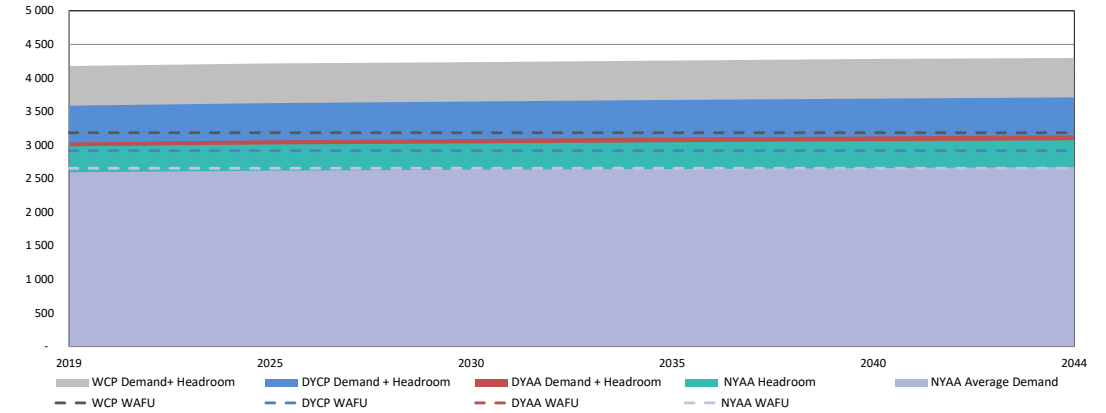
Base Demand in	2019
Domestic Demand (m³/day)	445
Non-Domestic Demand (m³/day)	851
Operational Use (m³/day)	18
Apparent Losses (m³/day)	10
Leakage (m³/day)	1 271
Demand (m³/day)	2 594

Components of Base Demand 2019



m³/day

Supply Demand Balance

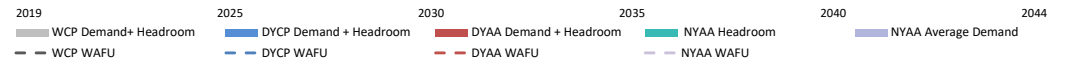
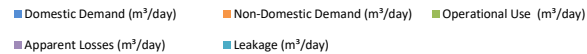


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	2 594	389	2 984	3 039	3 586	4 177
2025	2 618	393	3 011	3 071	3 624	4 215
2030	2 632	395	3 027	3 091	3 647	4 237
2035	2 646	397	3 042	3 111	3 671	4 259
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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	2 656	2 656	2 921	3 187	328	384	665	990	
2025	2 656	2 656	2 921	3 187	355	416	703	1 028	
2030	2 656	2 656	2 921	3 187	371	435	726	1 050	
2035	2 656	2 656	2 921	3 187	387	455	749	1 072	
2040	2 656	2 656	2 921	3 187	402	475	772	1 095	
2044	2 656	2 656	2 921	3 187	415	488	791	1 112	

WRZ CODE	0500SC0035	WRZ Name	Allihies	Study Area	I	Study Group		Local Authority	Cork

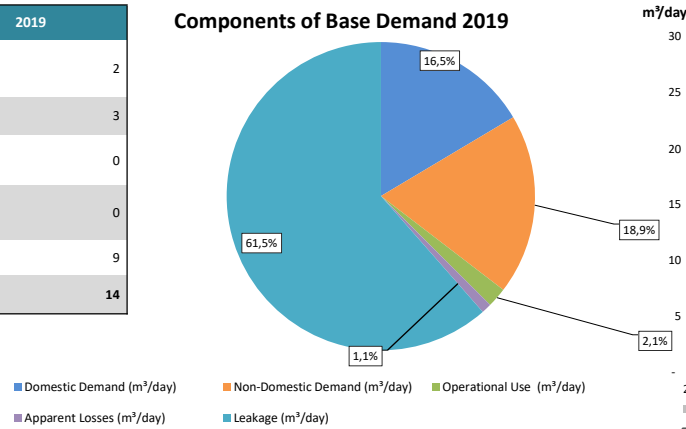


Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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	

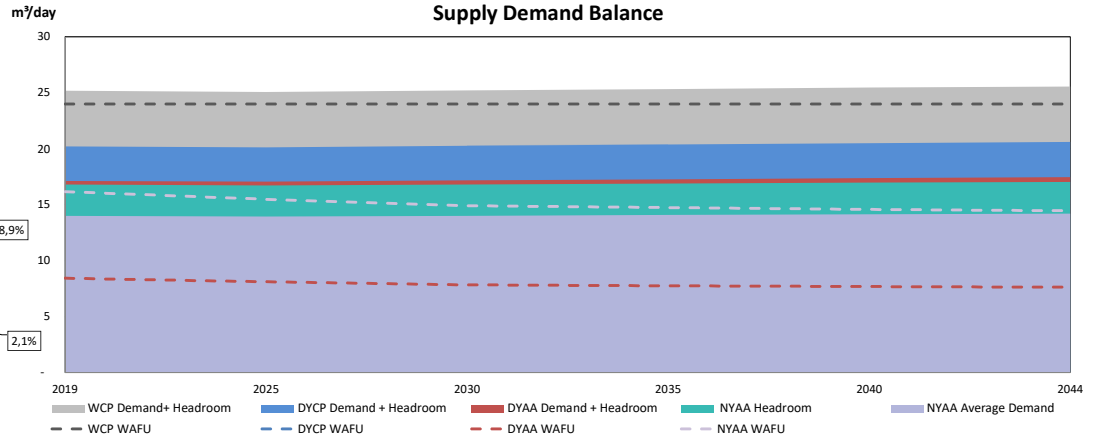
WRZ CODE	0500SC0036	WRZ Name	Cahermore	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	3
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	9
Demand (m³/day)	14

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	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

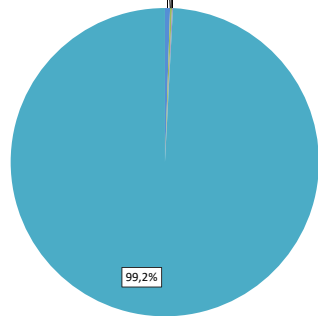
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	0
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	82
Demand (m³/day)	83

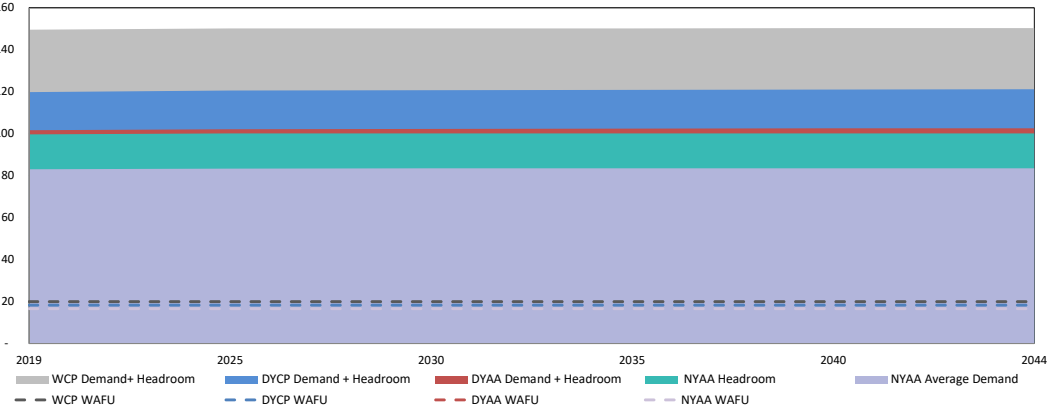
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

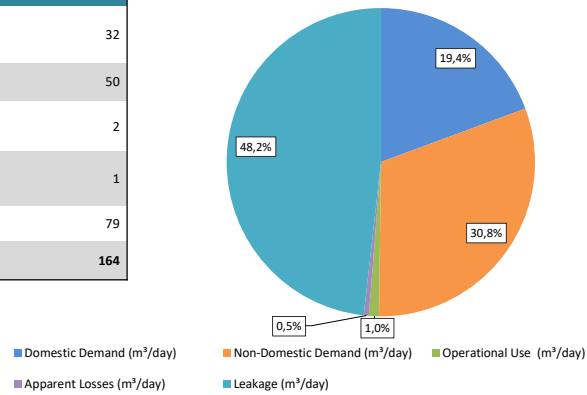
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (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	83	85	102	130	
2025	17	17	18	20	83	85	102	130	
2030	17	17	18	20	83	86	102	130	
2035	17	17	18	20	84	86	103	130	
2040	17	17	18	20	84	86	103	130	
2044	17	17	18	20	84	86	103	130	

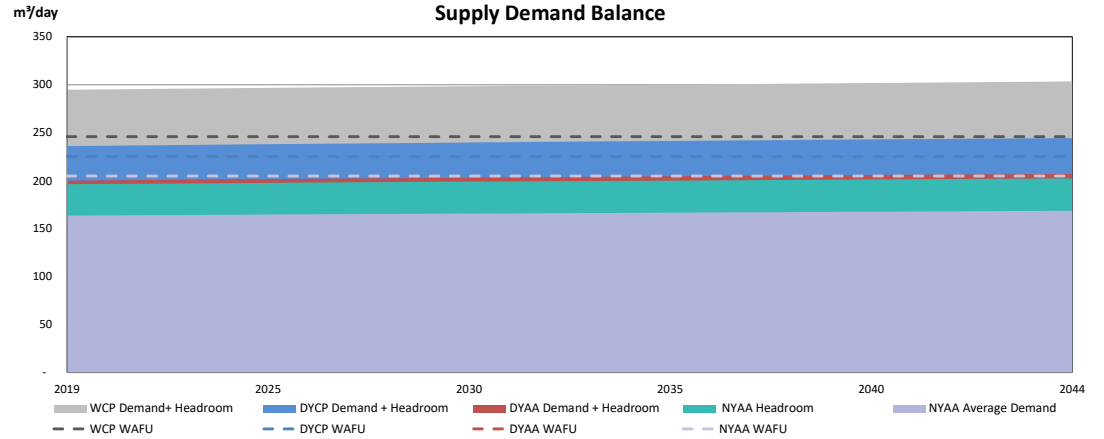
WRZ CODE	0500SC0038	WRZ Name	Drinagh	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	32
Non-Domestic Demand (m³/day)	50
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	79
Demand (m³/day)	164

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	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

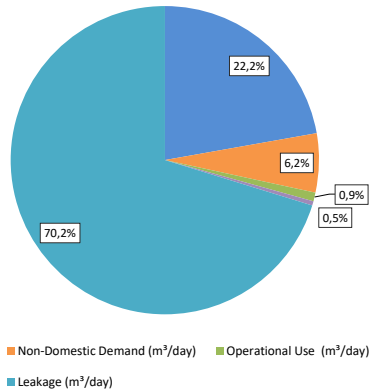
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

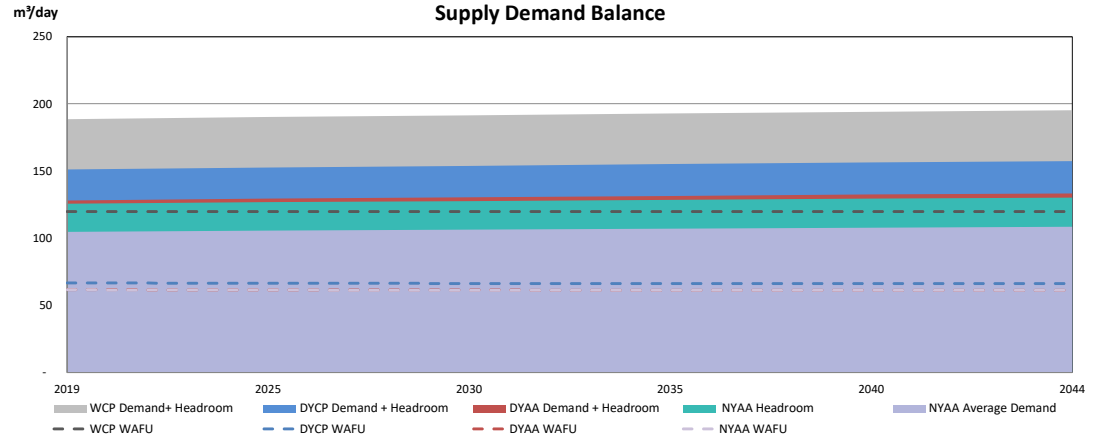
WRZ CODE	0500SC0039	WRZ Name	Knockadoon	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	23
Non-Domestic Demand (m³/day)	6
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	74
Demand (m³/day)	105

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	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

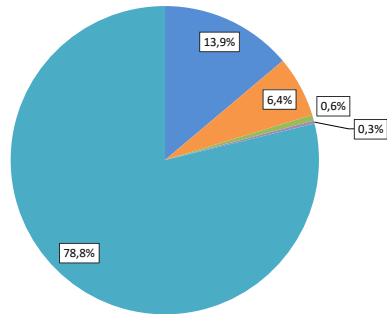
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

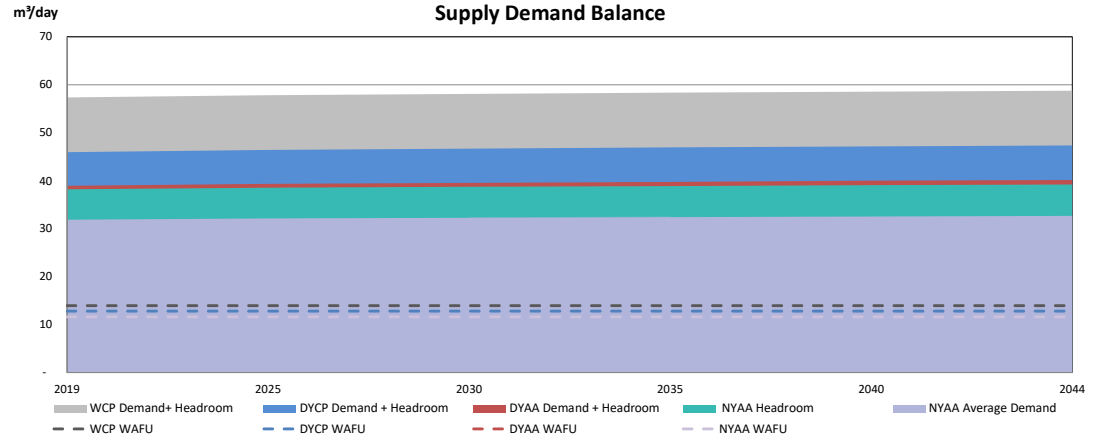
Base Demand in	2019
Domestic Demand (m³/day)	4
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	25
Demand (m³/day)	32

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

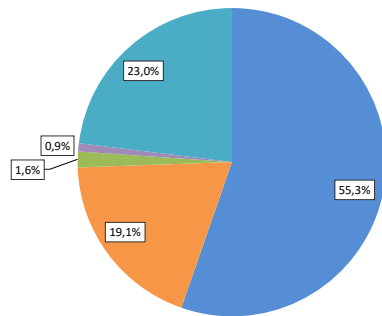
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	12	12	13	14	-	27	-	33	43
2025	12	12	13	14	-	27	-	34	44
2030	12	12	13	14	-	27	-	34	44
2035	12	12	13	14	-	27	-	34	44
2040	12	12	13	14	-	27	-	34	45
2044	12	12	13	14	-	28	-	35	45

WRZ CODE	0500SC0041	WRZ Name	Ballymacoda	Study Area	I	Study Group	Local Authority	Cork

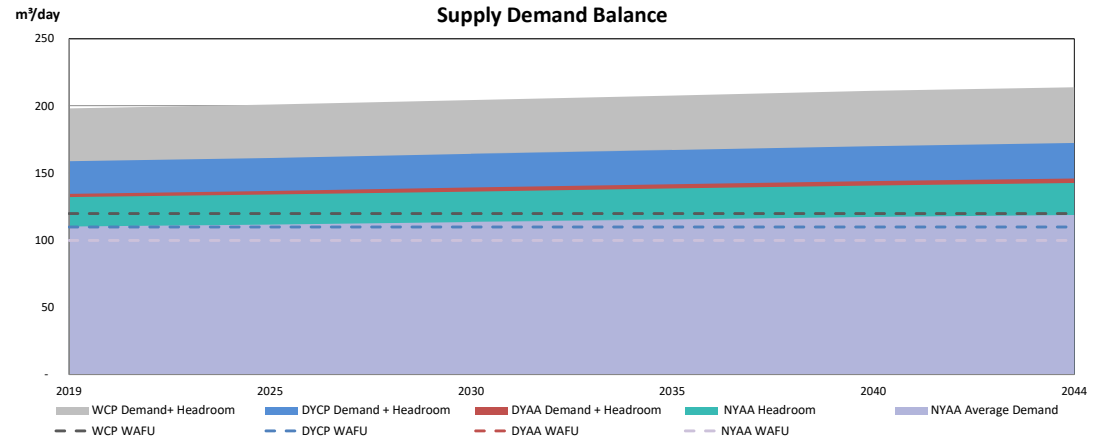
Base Demand in	2019
Domestic Demand (m³/day)	61
Non-Domestic Demand (m³/day)	21
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	25
Demand (m³/day)	110

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	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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

2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom DYCP Demand + Headroom DYAA Demand + Headroom NYAA Headroom NYAA Average Demand

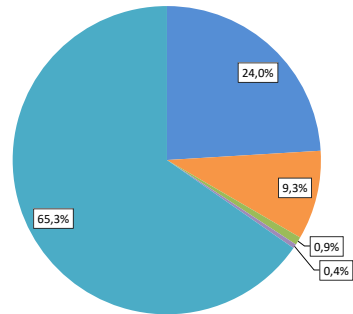
WCP WAFU DYCP WAFU DYAA WAFU NYAA WAFU

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
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

WRZ CODE	0500SC0043	WRZ Name	Inch	Study Area	J	Study Group	Local Authority	Cork

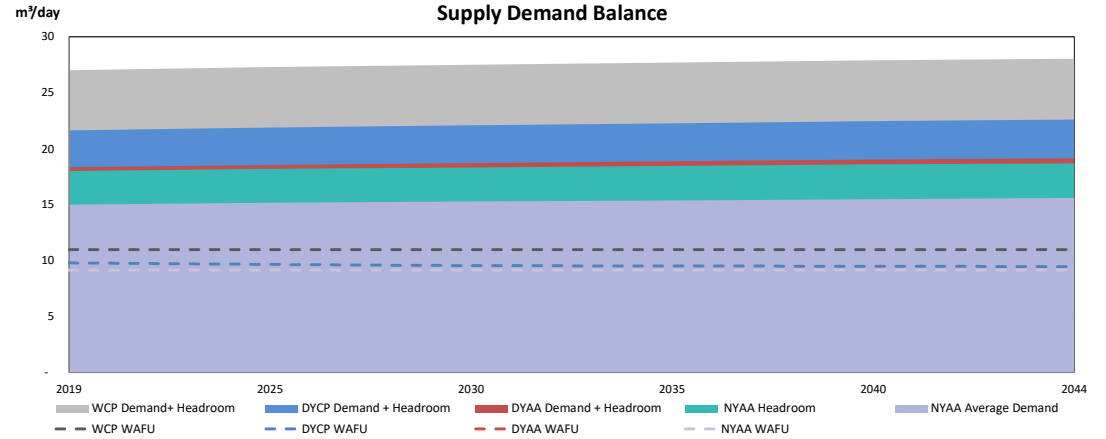
Base Demand in	2019
Domestic Demand (m³/day)	4
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	10
Demand (m³/day)	15

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

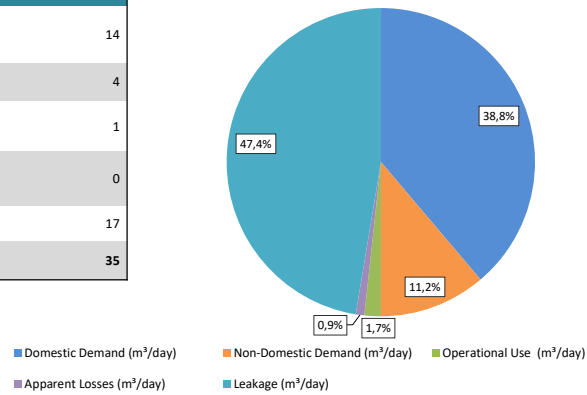
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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		

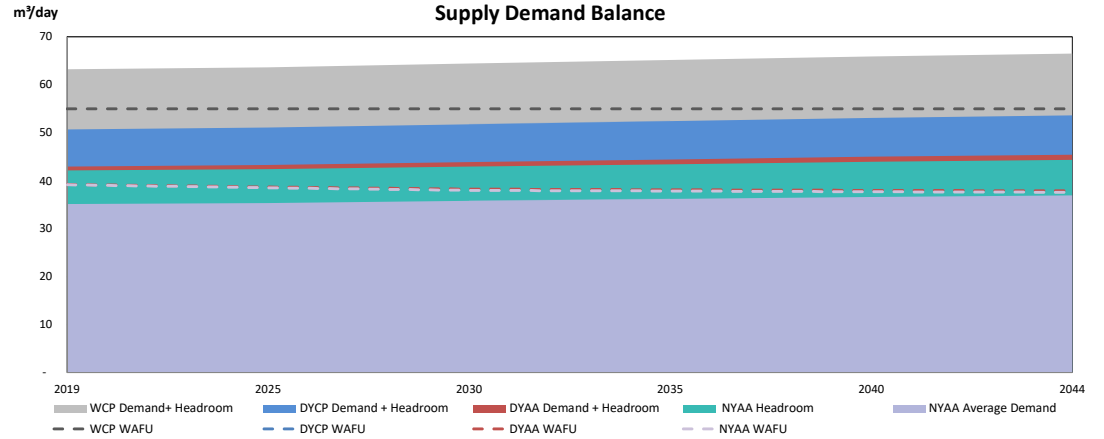
WRZ CODE	0500SC0044	WRZ Name	Dungourney	Study Area	I	Study Group	Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	14
Non-Domestic Demand (m³/day)	4
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	17
Demand (m³/day)	35

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	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

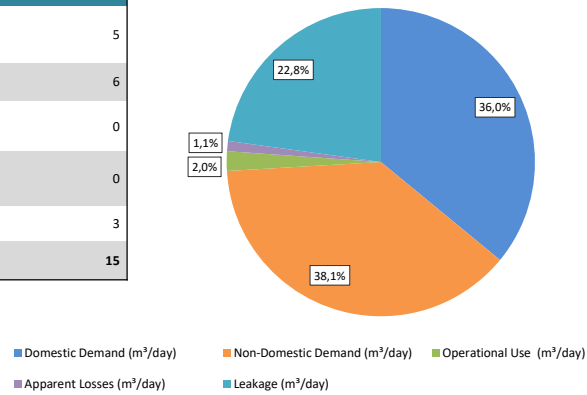
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

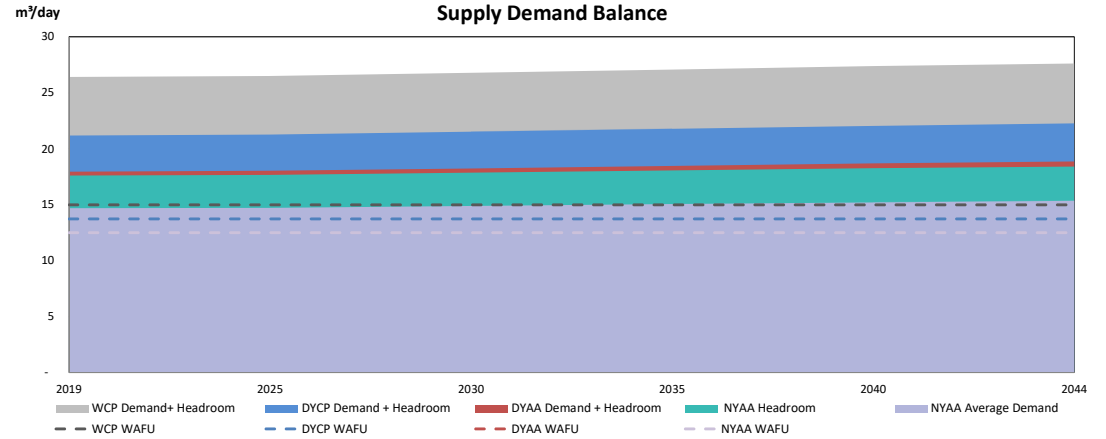
WRZ CODE	0500SC0046	WRZ Name	Walshtown	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	5
Non-Domestic Demand (m³/day)	6
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	3
Demand (m³/day)	15

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	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

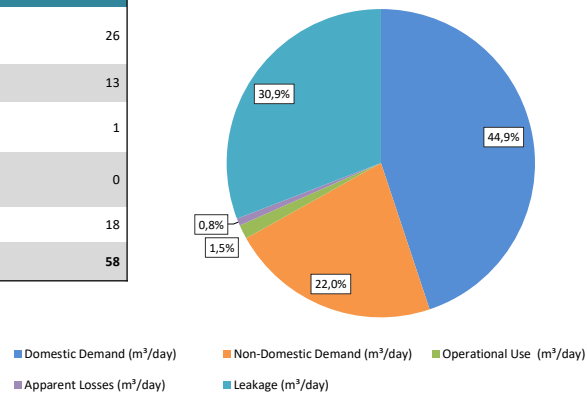
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	13	13	14	15	-	5	-	11		
2025	13	13	14	15	-	6	-	12		
2030	13	13	14	15	-	6	-	12		
2035	13	13	14	15	-	6	-	12		
2040	13	13	14	15	-	6	-	12		
2044	13	13	14	15	-	6	-	13		

WRZ CODE	0500SC0047	WRZ Name	Corbally	Study Area	I	Study Group	Local Authority	Cork

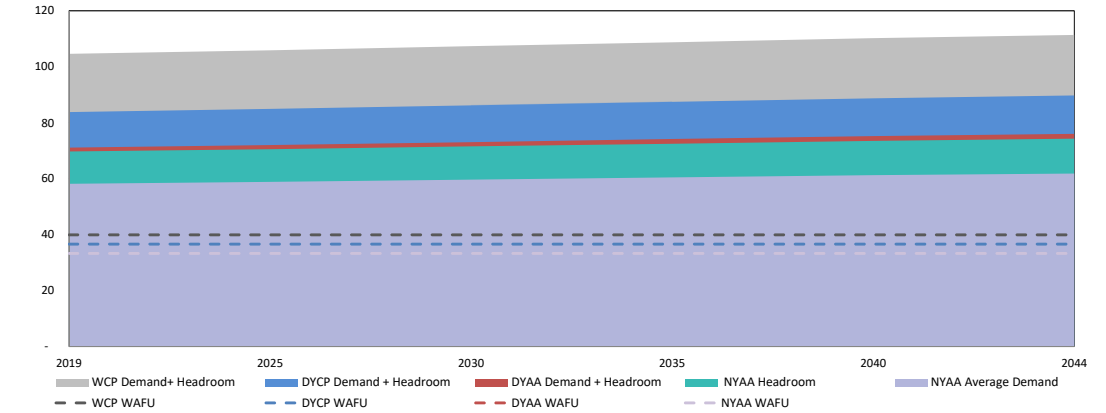
Base Demand in	2019
Domestic Demand (m³/day)	26
Non-Domestic Demand (m³/day)	13
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	18
Demand (m³/day)	58

Components of Base Demand 2019



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	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

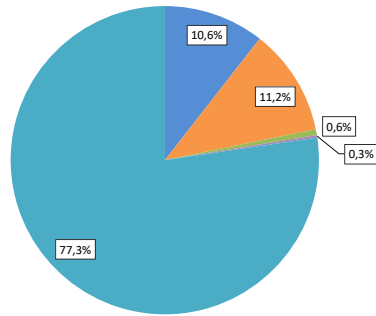
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	33	33	37	40	36	38	47	65
2025	33	33	37	40	37	39	48	66
2030	33	33	37	40	38	40	50	67
2035	33	33	37	40	39	41	51	69
2040	33	33	37	40	40	42	52	70
2044	33	33	37	40	41	43	53	71

WRZ CODE	0500SC0048	WRZ Name	Clash Leamleara	Study Area	I	Study Group	Local Authority	Cork

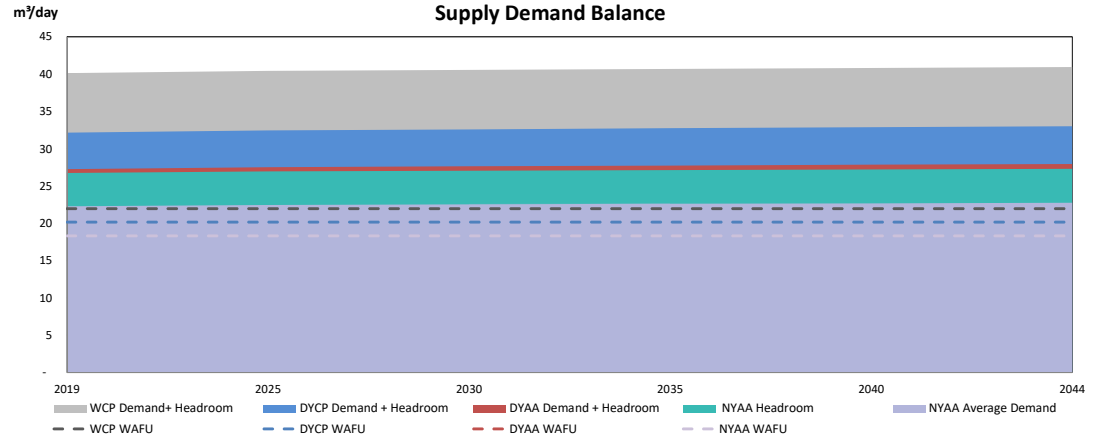
Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	3
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	17
Demand (m³/day)	22

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

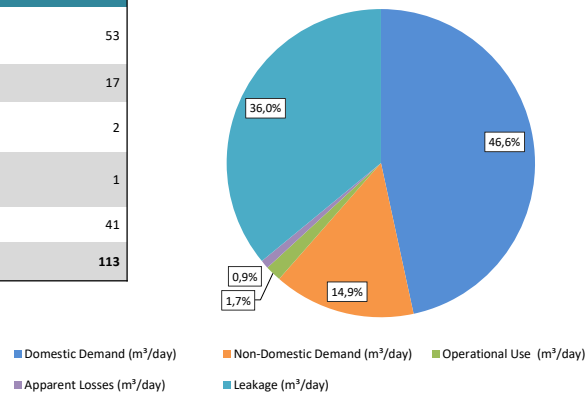
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

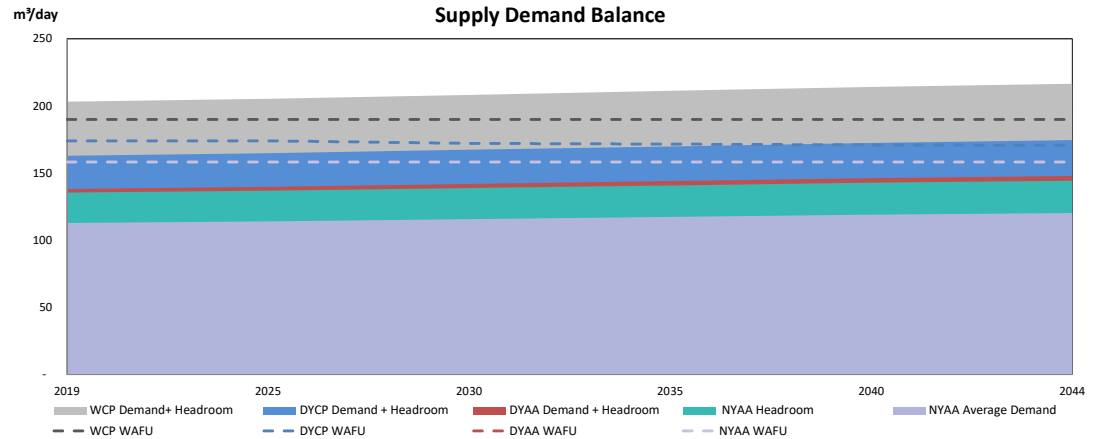
WRZ CODE	0500SC0050	WRZ Name	Carrignavar	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	53
Non-Domestic Demand (m³/day)	17
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	41
Demand (m³/day)	113

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	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

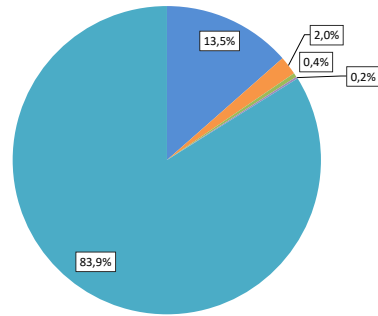
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

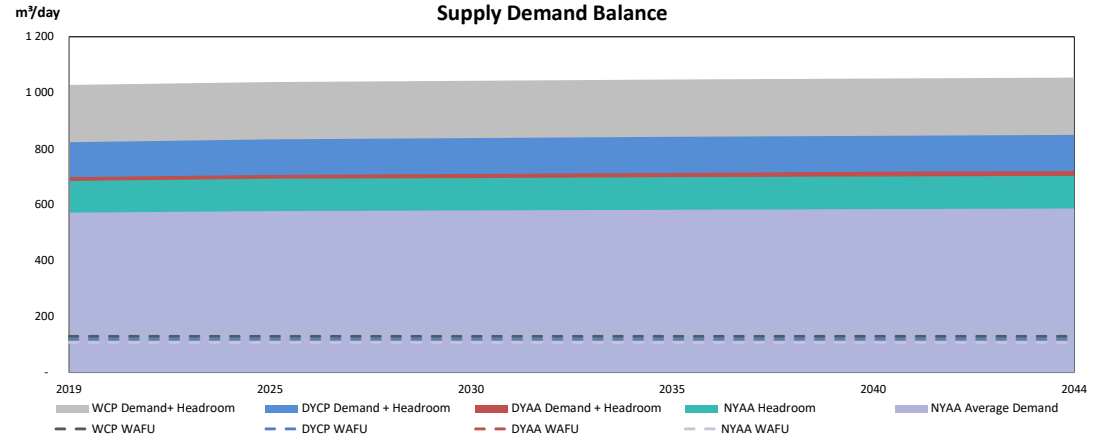
Base Demand in	2019
Domestic Demand (m³/day)	77
Non-Domestic Demand (m³/day)	11
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	479
Demand (m³/day)	571

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

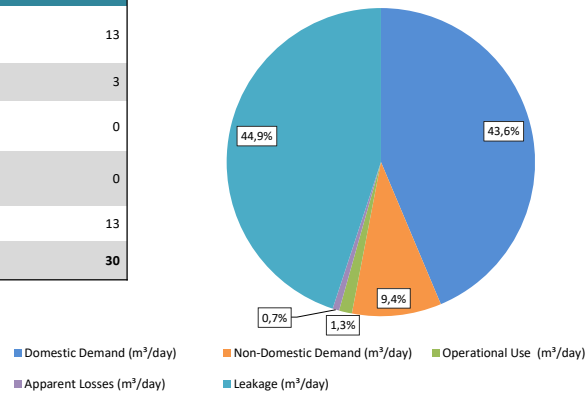
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

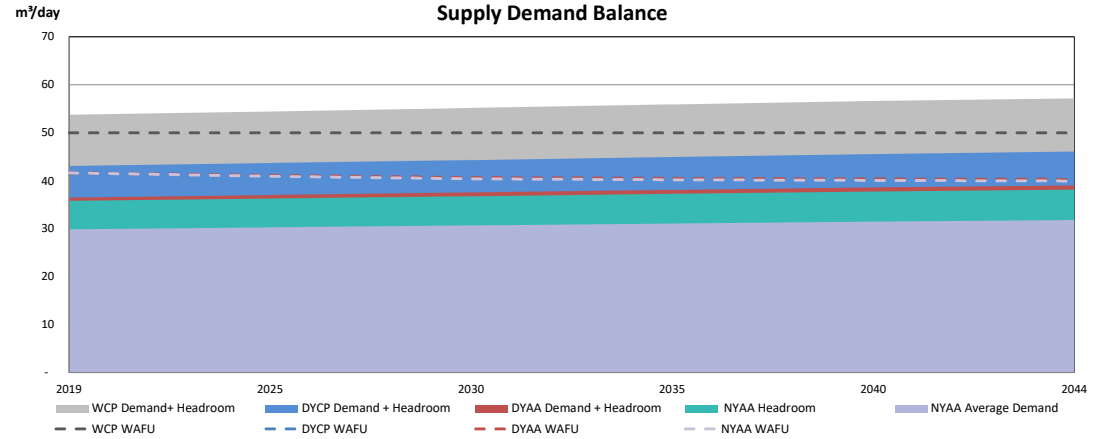
WRZ CODE	0500SC0053	WRZ Name	Stoneview Blarney	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	13
Non-Domestic Demand (m³/day)	3
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	13
Demand (m³/day)	30

Components of Base Demand 2019



Supply Demand Balance

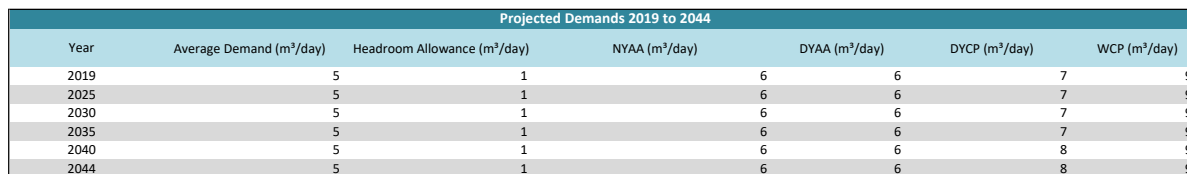
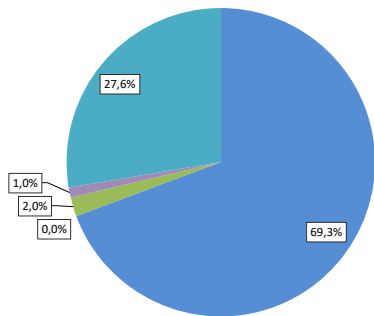


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	30	6	36	37	43	54
2025	30	6	36	37	44	54
2030	31	6	37	38	44	55
2035	31	6	37	38	45	56
2040	31	6	38	39	46	57
2044	32	6	38	39	46	57

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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



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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	29	29	29	35	23	23	22	2		
2025	29	29	29	35	23	23	22	2		
2030	28	28	28	35	22	22	21	2		
2035	28	28	28	35	22	22	21	2		
2040	28	28	28	35	22	22	21	2		
2044	28	28	28	35	22	22	21	2		

WRZ CODE	0500SC0055	WRZ Name	Grenagh	Study Area	I	Study Group		Local Authority	Cork

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

2019 2025 2030 2035 2040 2044

WCP Demand + Headroom DYCP Demand + Headroom DYAA Demand + Headroom NYAA Headroom NYAA Average Demand

WCP WAFU DYCP WAFU DYAA WAFU NYAA WAFU

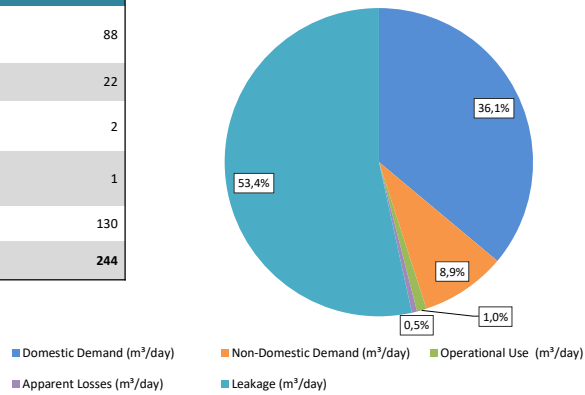
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000457	Grenagh WTP Site	330	275	303	No Licence	115	Yield	114	-	114	
TOTAL		330	275	303	-	115		114	-	114	

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)		
2019	118	118	118	330 -	228 -	234 -	297 -	188		
2025	116	116	116	330 -	233 -	240 -	304 -	194		
2030	114	115	115	330 -	239 -	246 -	311 -	200		
2035	114	114	114	330 -	244 -	252 -	317 -	207		
2040	113	114	114	330 -	249 -	257 -	324 -	214		
2044	113	114	114	330 -	253 -	261 -	329 -	219		

WRZ CODE	0500SC0056	WRZ Name	Bweeng	Study Area	J	Study Group		Local Authority	Cork

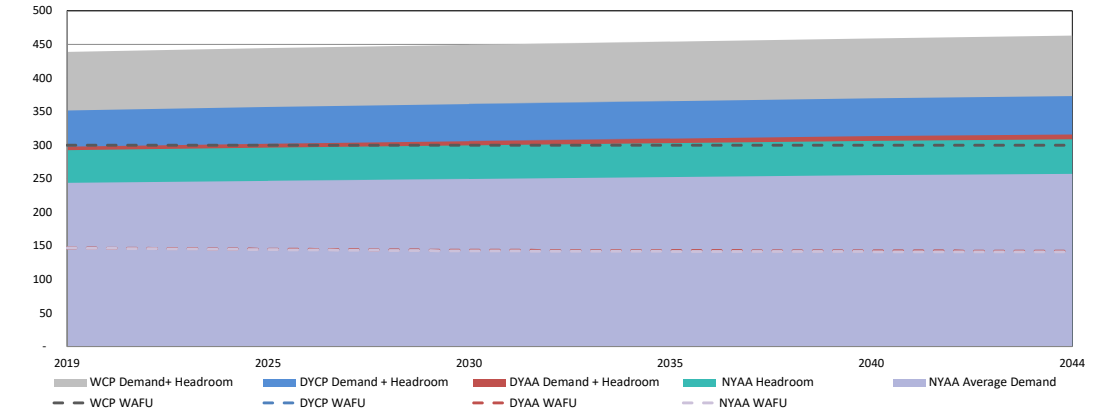
Base Demand in	2019
Domestic Demand (m³/day)	88
Non-Domestic Demand (m³/day)	22
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	130
Demand (m³/day)	244

Components of Base Demand 2019



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	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

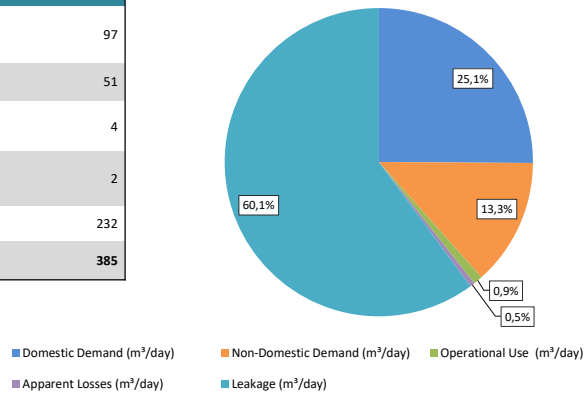
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	147	147	147	300	-	146	-	151	-	139
2025	145	145	145	300	-	152	-	157	-	144
2030	143	144	144	300	-	157	-	162	-	149
2035	142	143	143	300	-	161	-	167	-	154
2040	141	143	143	300	-	165	-	171	-	159
2044	141	142	142	300	-	168	-	174	-	163

WRZ CODE	0500SC0057	WRZ Name	Donoughmore	Study Area	I	Study Group	Local Authority	Cork

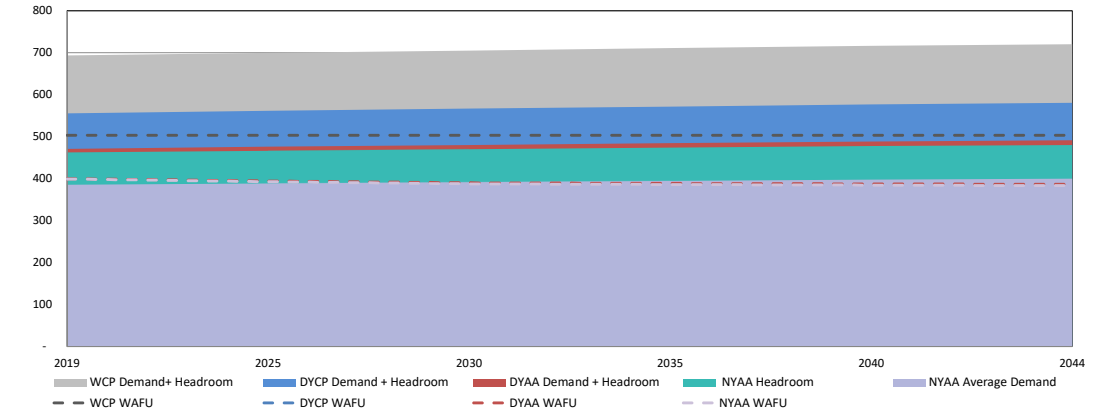
Base Demand in	2019
Domestic Demand (m³/day)	97
Non-Domestic Demand (m³/day)	51
Operational Use (m³/day)	4
Apparent Losses (m³/day)	2
Leakage (m³/day)	232
Demand (m³/day)	385

Components of Base Demand 2019



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	385	77	462	471	556	693
2025	389	78	476	467	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

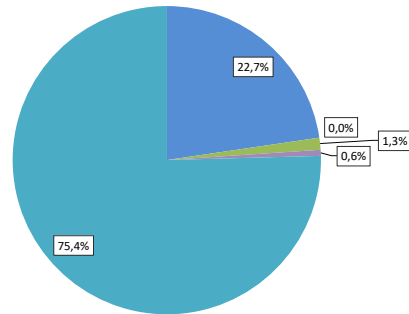
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	400	400	400	504	63	71	155	189		
2025	393	395	504	504	73	81	167	196		
2030	388	390	504	504	82	90	176	202		
2035	386	389	504	504	88	96	183	207		
2040	385	388	504	504	93	101	189	212		
2044	384	387	504	504	97	105	194	217		

WRZ CODE	0500SC0058	WRZ Name	Coolineagh	Study Area	I	Study Group		Local Authority	Cork

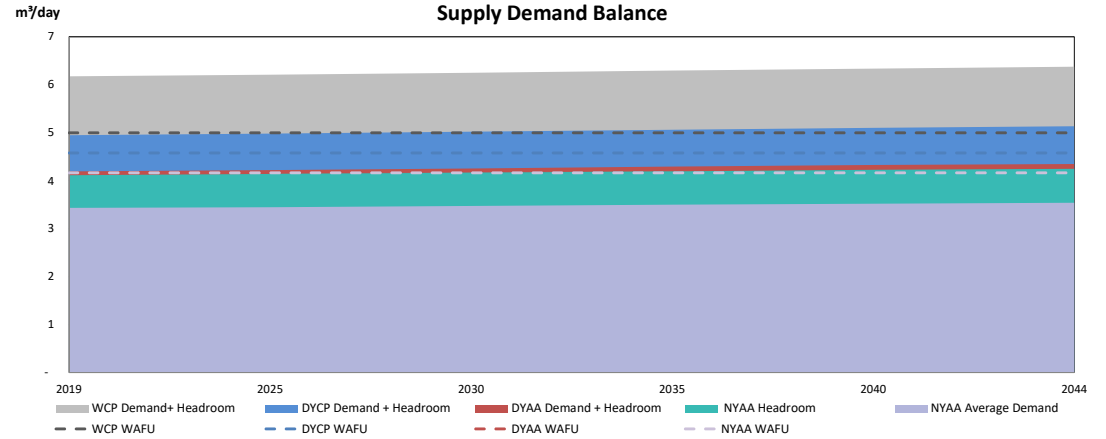
Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	3
Demand (m³/day)	3

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

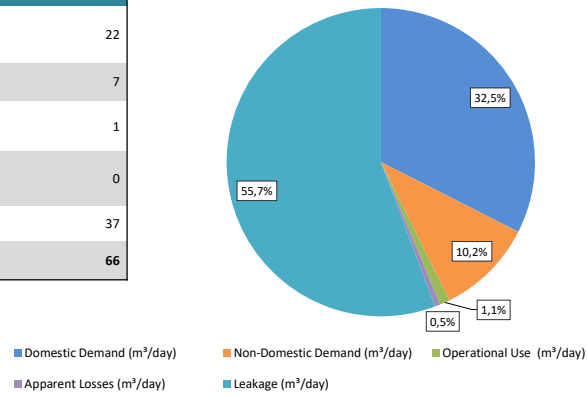
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

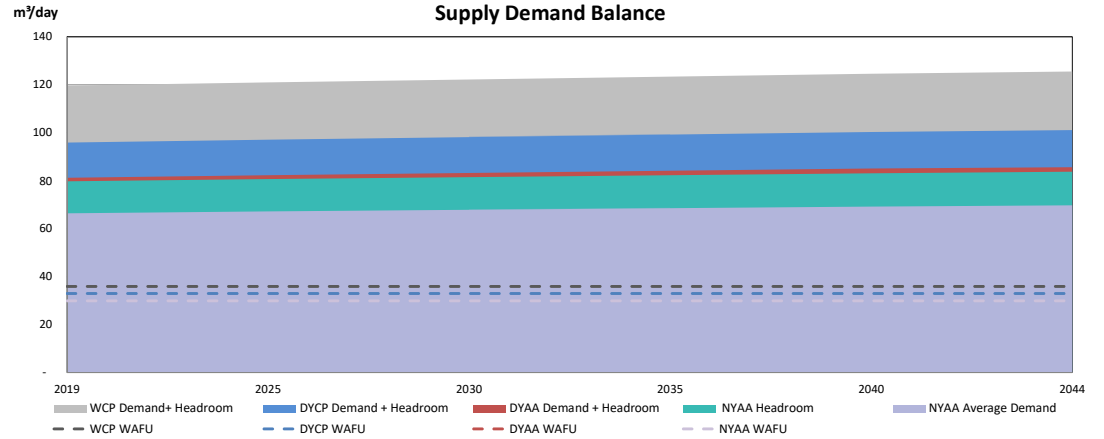
WRZ CODE	0500SC0059	WRZ Name	Aghabullogue	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	22
Non-Domestic Demand (m³/day)	7
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	37
Demand (m³/day)	66

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	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

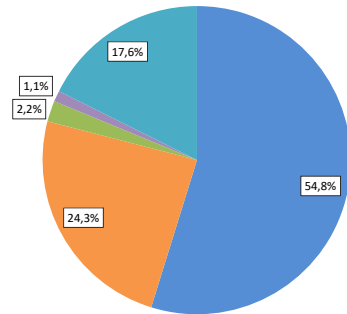
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000022	Aghabullogue WTP	36	30	33	No Licence	34	22Hr	33	-	33	
TOTAL		36	30	33	-	34		33	-	33	

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)		
2019	30	30	33	36 -	50 -	51 -	63 -	8		
2025	30	30	33	36 -	51 -	52 -	64 -	8		
2030	30	30	33	36 -	51 -	53 -	65 -	8		
2035	30	30	33	36 -	52 -	54 -	66 -	8		
2040	30	30	33	36 -	53 -	55 -	67 -	8		
2044	30	30	33	36 -	54 -	56 -	68 -	8		

WRZ CODE	0500SC0061	WRZ Name	Carrigcleena	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	4
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	1
Demand (m³/day)	7

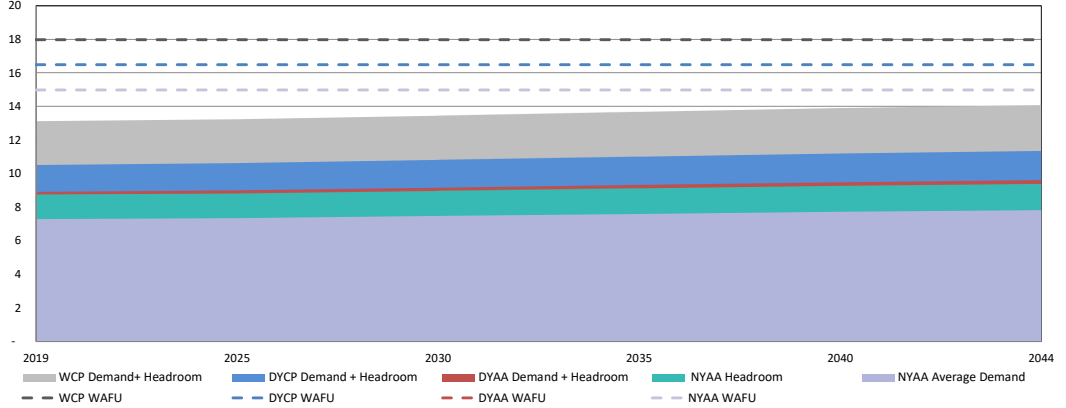
Components of Base Demand 2019



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

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	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

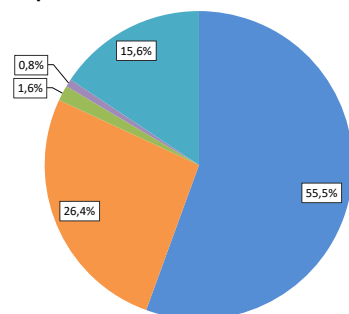
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000359	Carrigcleena WTP	18	15	17	No Licence	17	22Hr	17	-	17	
TOTAL		18	15	17	-	17		17	-	17	

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)
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

Base Demand in	2019
Domestic Demand (m³/day)	3
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	1
Demand (m³/day)	5

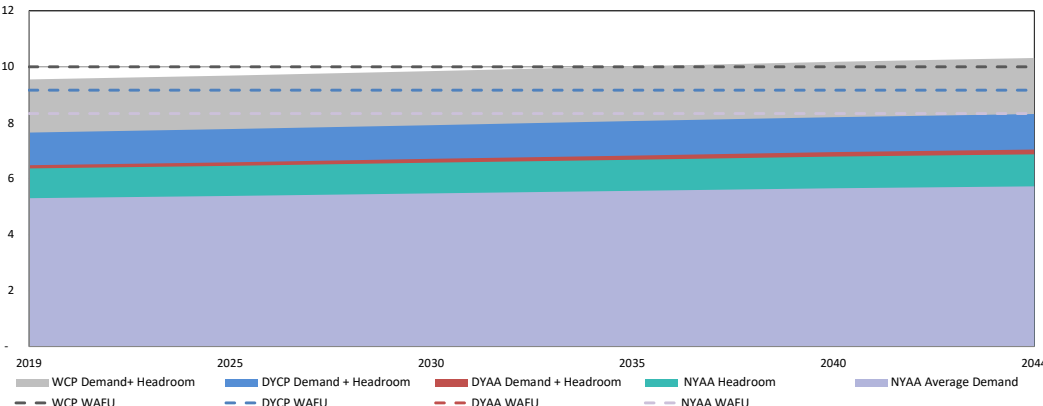
Components of Base Demand 2019



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

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	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

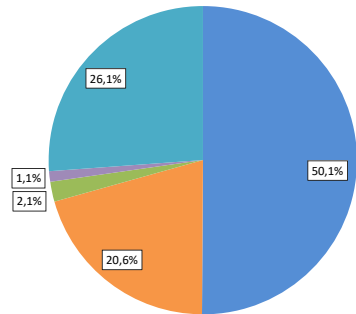
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

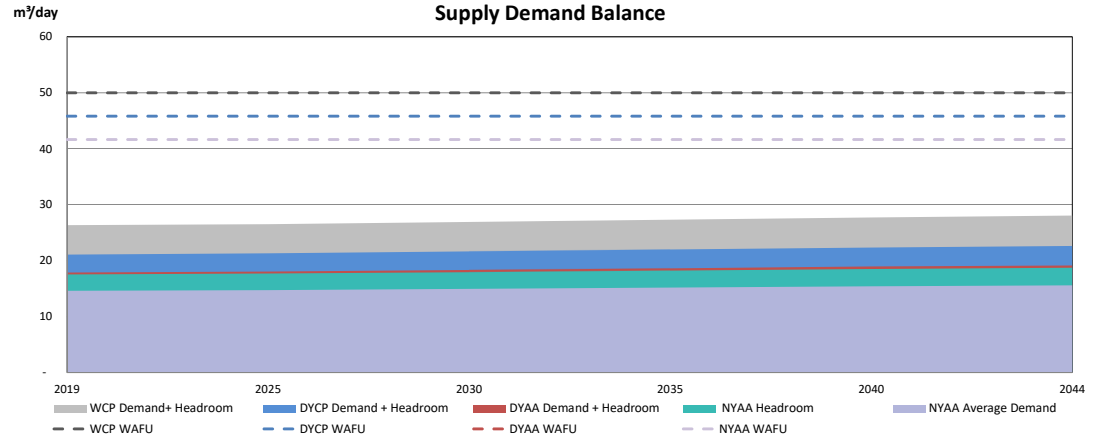
Base Demand in	2019
Domestic Demand (m³/day)	7
Non-Domestic Demand (m³/day)	3
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	4
Demand (m³/day)	15

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

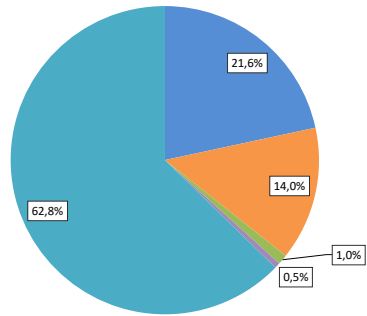
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

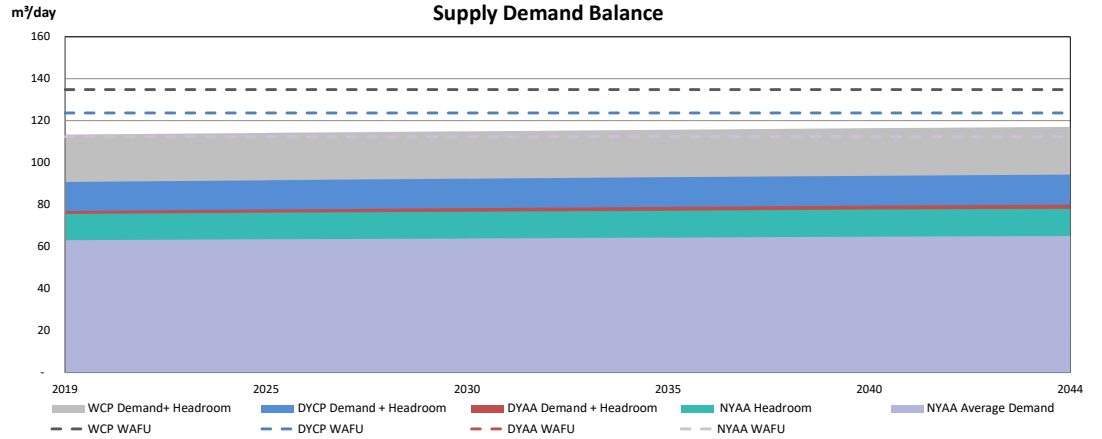
Base Demand in	2019
Domestic Demand (m³/day)	14
Non-Domestic Demand (m³/day)	9
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	40
Demand (m³/day)	63

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

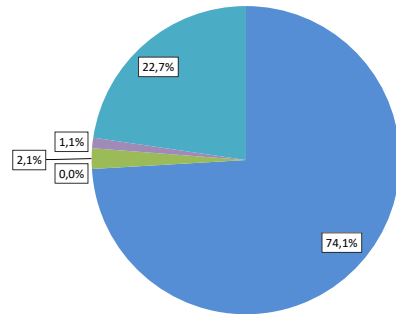
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

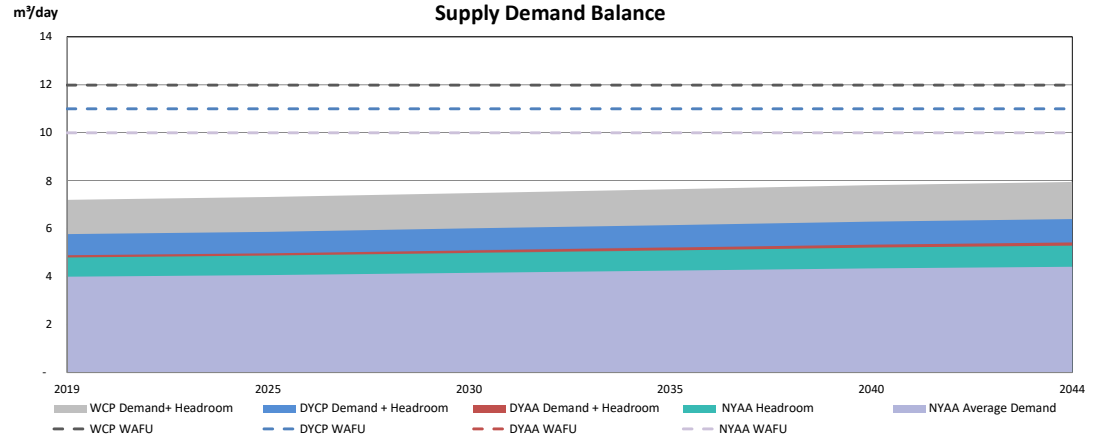
Base Demand in	2019
Domestic Demand (m³/day)	3
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	1
Demand (m³/day)	4

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

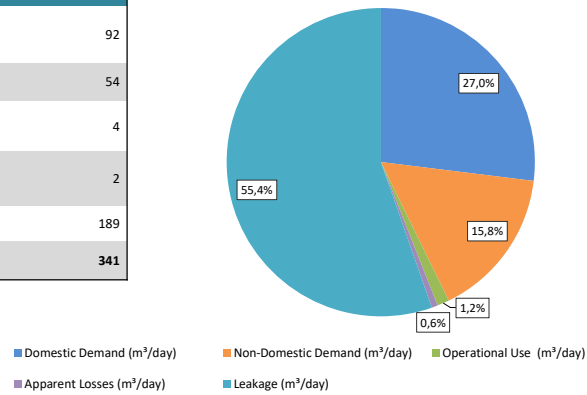
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

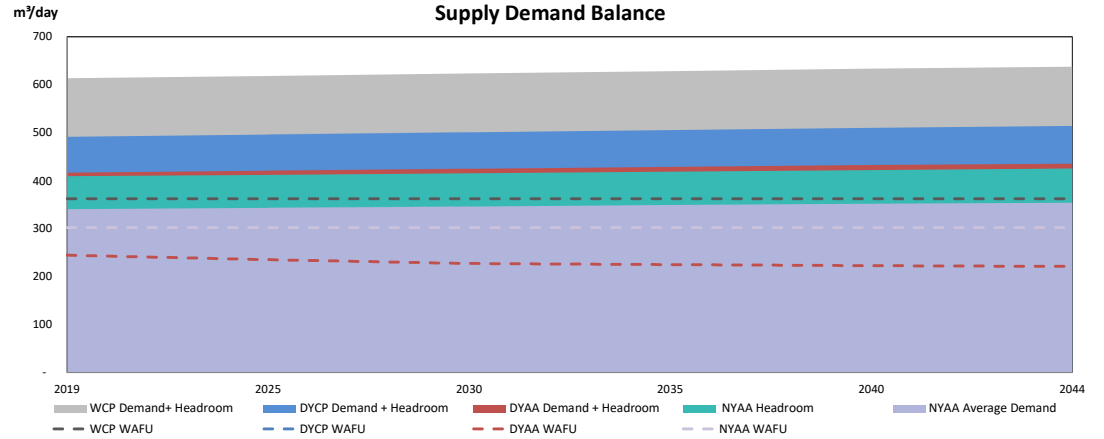
WRZ CODE	0500SC0068	WRZ Name	Glengarriff	Study Area	I	Study Group	Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	92
Non-Domestic Demand (m³/day)	54
Operational Use (m³/day)	4
Apparent Losses (m³/day)	2
Leakage (m³/day)	189
Demand (m³/day)	341

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	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

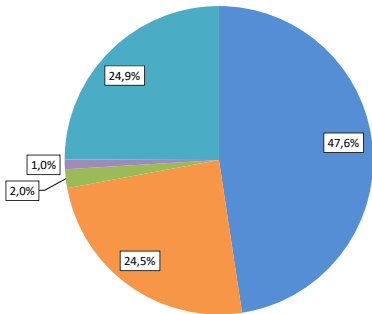
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	303	245	245	363	-	107	-	172	-	251
2025	303	236	236	363	-	110	-	185	-	255
2030	303	228	228	363	-	113	-	197	-	260
2035	303	225	225	363	-	117	-	203	-	266
2040	303	223	223	363	-	120	-	209	-	271
2044	303	222	222	363	-	123	-	214	-	275

WRZ CODE	0500SC0069	WRZ Name	Croterra	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	10
Non-Domestic Demand (m³/day)	5
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	5
Demand (m³/day)	20

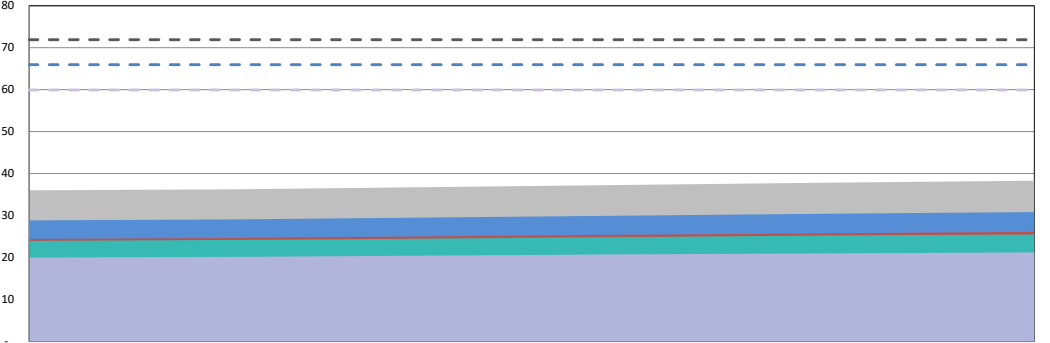
Components of Base Demand 2019



■ 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

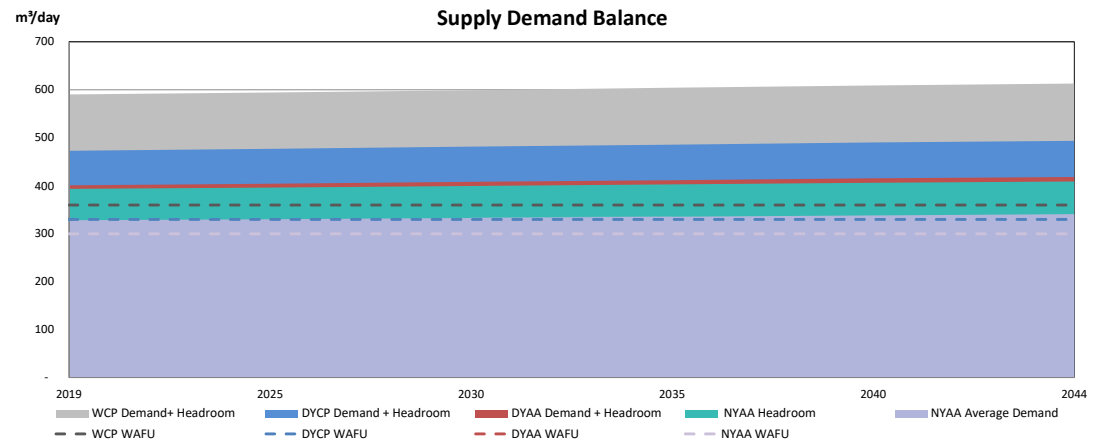


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	20	4	24	24	29	36
2025	20	4	24	25	29	36
2030	20	4	25	25	30	37
2035	21	4	25	25	30	37
2040	21	4	25	26	30	38
2044	21	4	26	26	31	38

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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



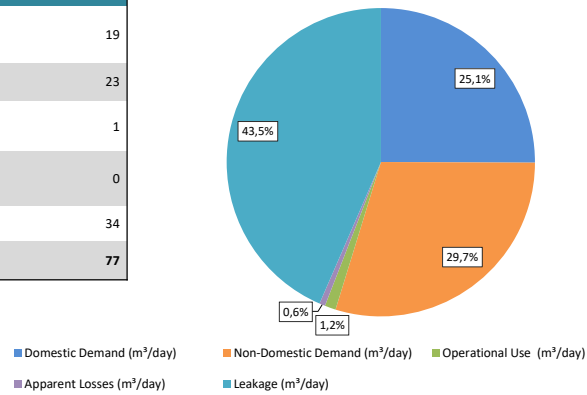
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

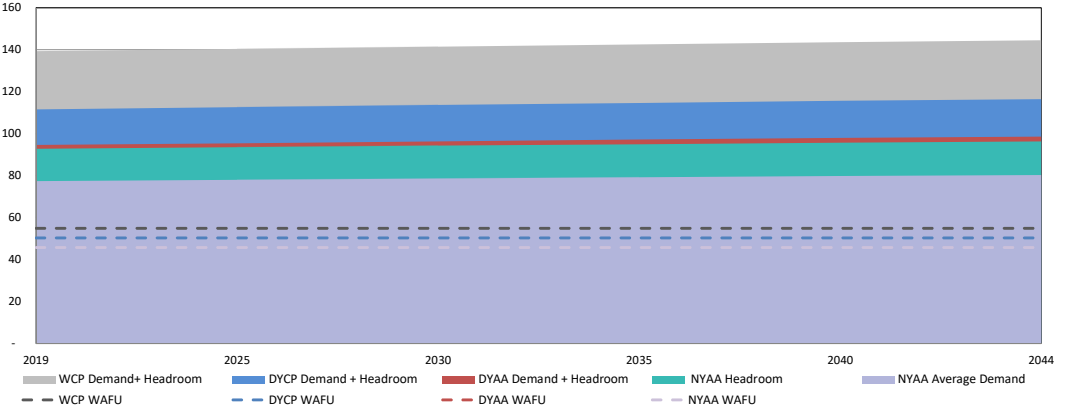
Base Demand in	2019
Domestic Demand (m³/day)	19
Non-Domestic Demand (m³/day)	23
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	34
Demand (m³/day)	77

Components of Base Demand 2019



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	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

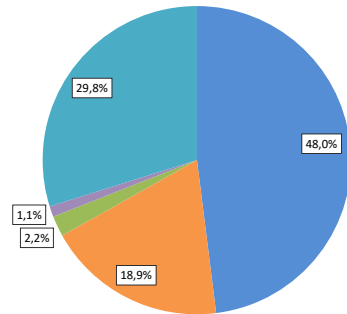
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	46	46	50	55 -	47 -	49 -	61 -	8		
2025	46	46	50	55 -	48 -	50 -	62 -	8		
2030	46	46	50	55 -	48 -	50 -	63 -	8		
2035	46	46	50	55 -	49 -	51 -	64 -	8		
2040	46	46	50	55 -	50 -	52 -	65 -	8		
2044	46	46	50	55 -	51 -	53 -	66 -	8		

WRZ CODE	0500SC0073	WRZ Name	Ballinagree	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	17
Non-Domestic Demand (m³/day)	7
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	10
Demand (m³/day)	35

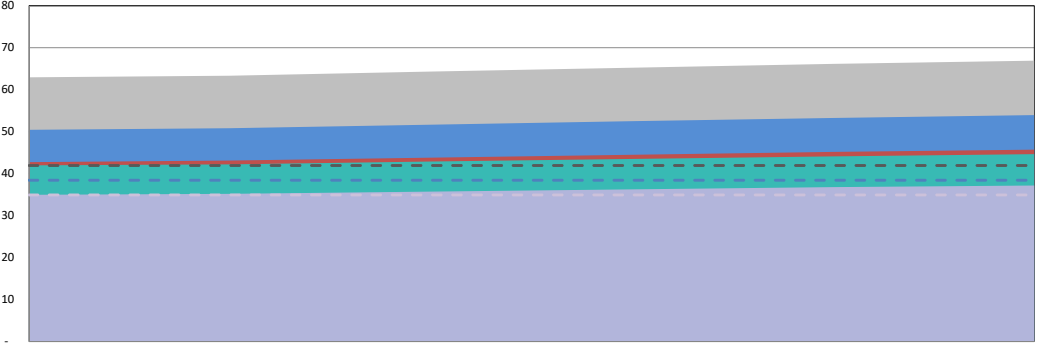
Components of Base Demand 2019



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

m³/day

Supply Demand Balance



2019 2025 2030 2035 2040 2044
 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

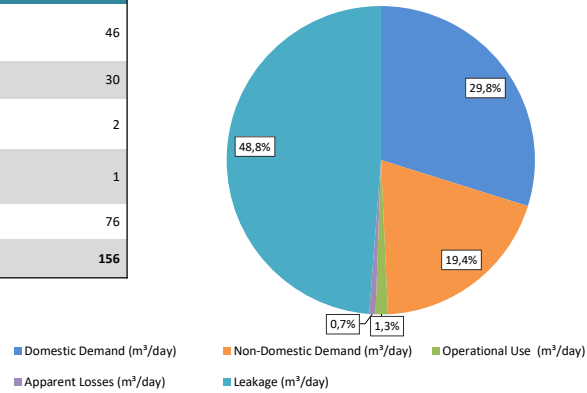
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

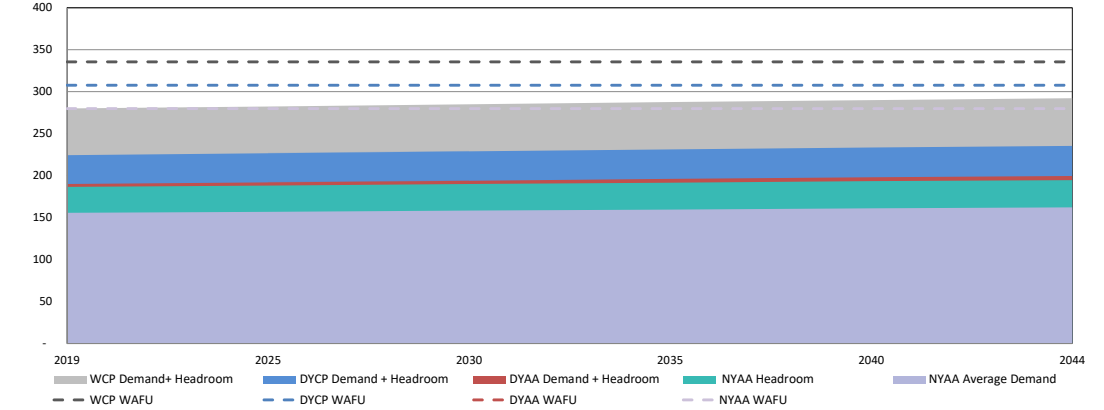
Base Demand in	2019
Domestic Demand (m³/day)	46
Non-Domestic Demand (m³/day)	30
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	76
Demand (m³/day)	156

Components of Base Demand 2019



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	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

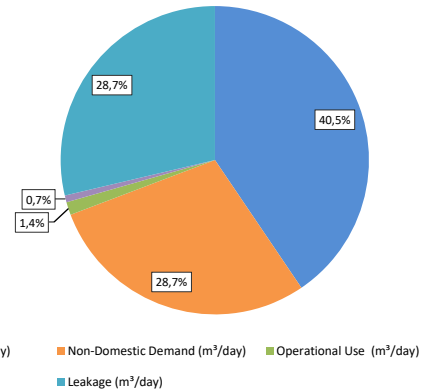
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

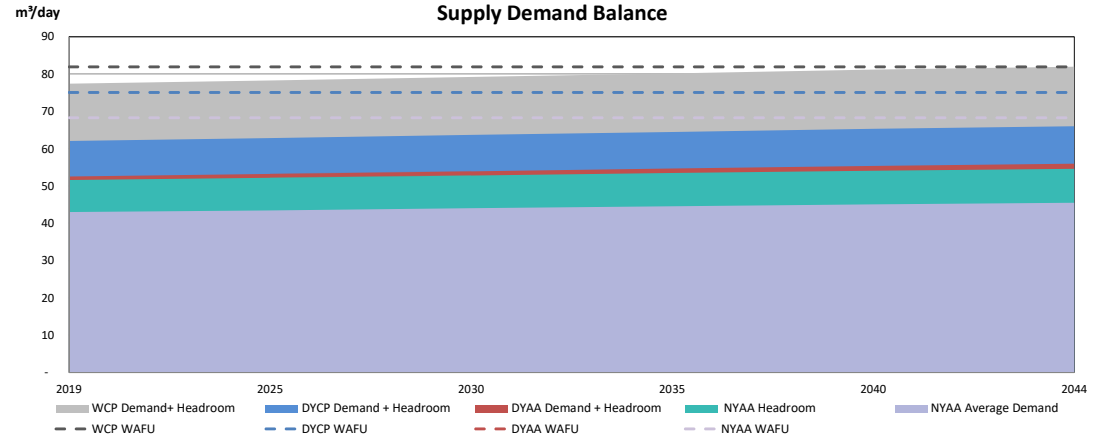
WRZ CODE	0500SC0075	WRZ Name	Kilcorney	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	17
Non-Domestic Demand (m³/day)	12
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	12
Demand (m³/day)	43

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	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

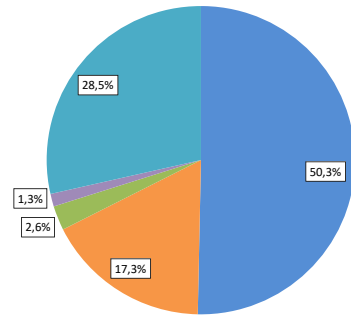
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

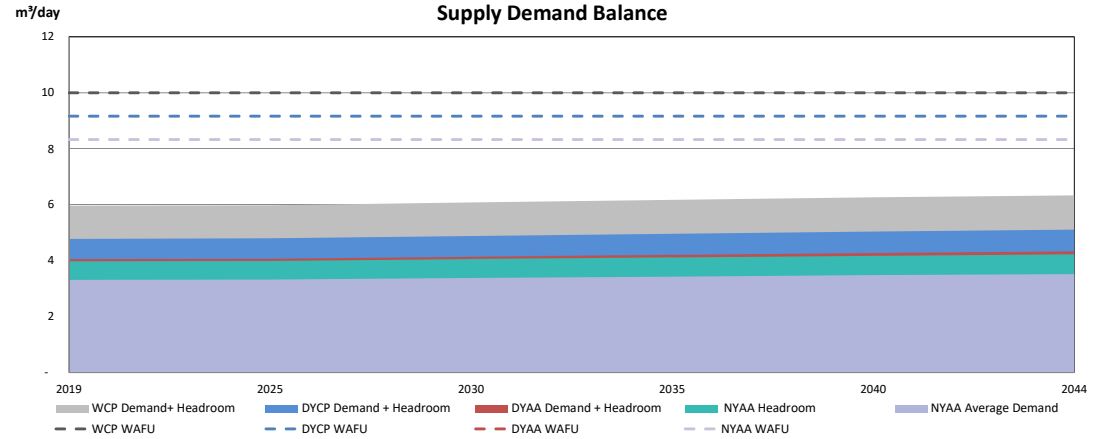
Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	1
Demand (m³/day)	3

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

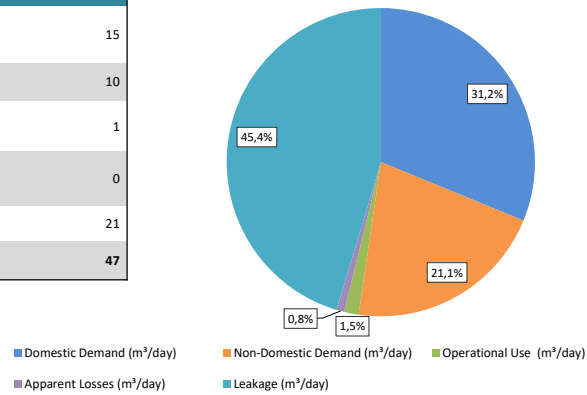
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

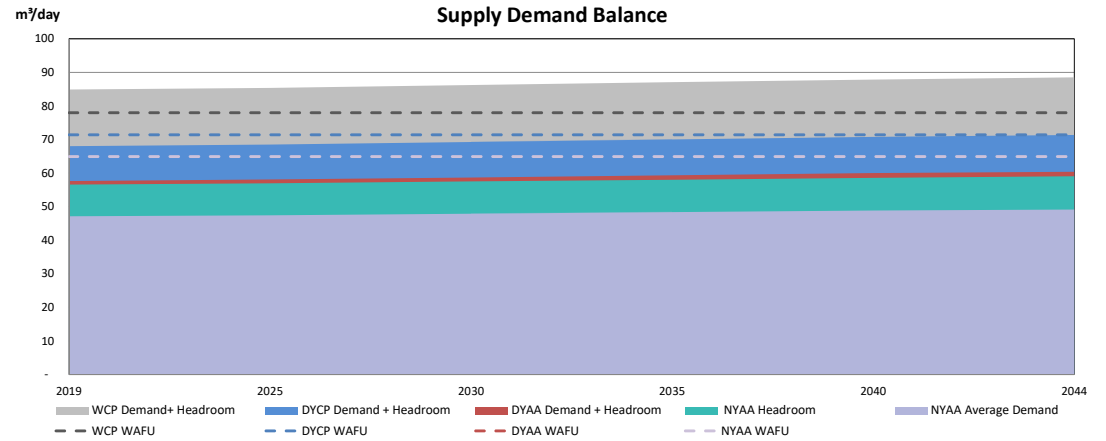
WRZ CODE	0500SC0078	WRZ Name	Kilnamartyra	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	15
Non-Domestic Demand (m³/day)	10
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	21
Demand (m³/day)	47

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	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

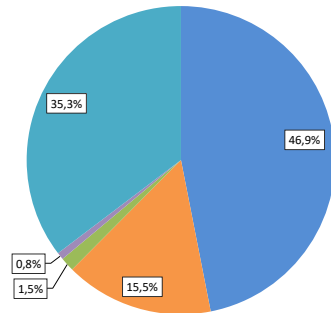
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0001131	Kilnamatrya WTP	78	65	72	No Licence	75	22Hr	72	-	72	
TOTAL		78	65	72	-	75		72	-	72	

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)
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

Base Demand in	2019
Domestic Demand (m³/day)	37
Non-Domestic Demand (m³/day)	12
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	28
Demand (m³/day)	79

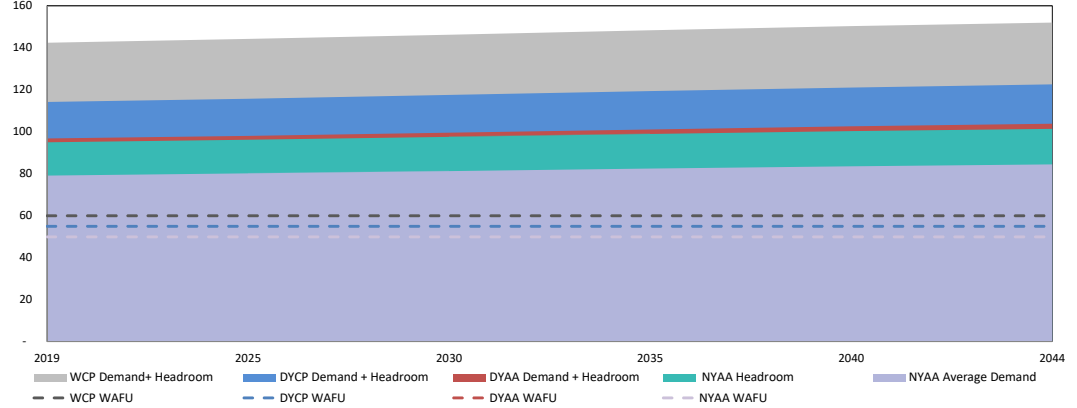
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

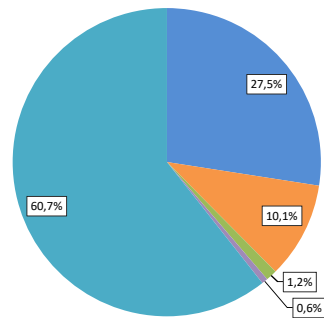
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	0500SC0081	WRZ Name	Templemartin & Garranes	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	6
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	14
Demand (m³/day)	24

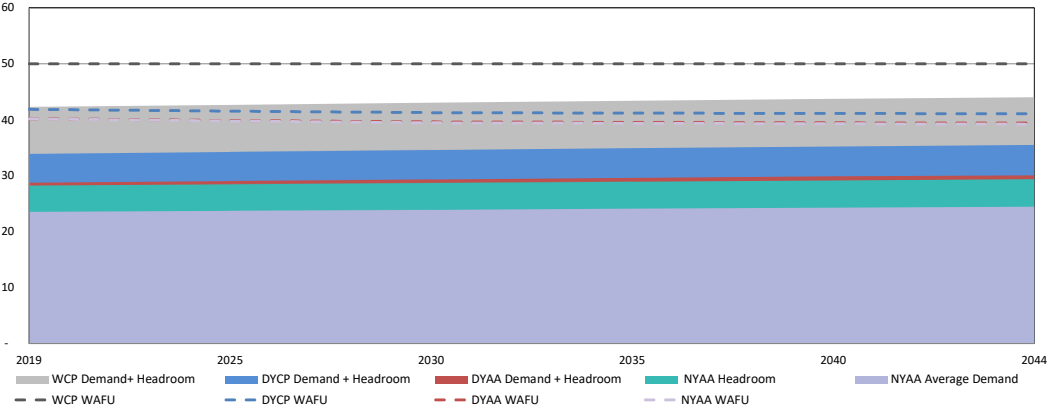
Components of Base Demand 2019



■ 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

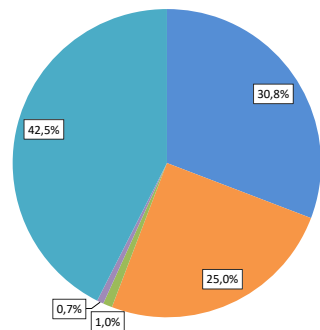
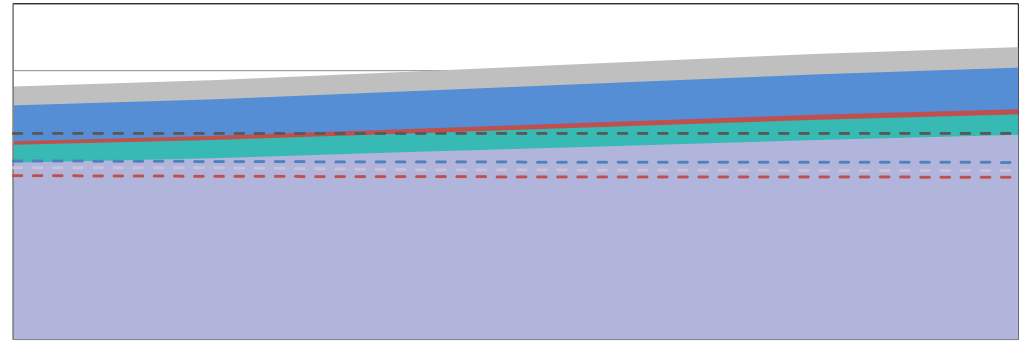


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	24	5	28	29	34	42
2025	24	5	28	29	34	43
2030	24	5	29	29	35	43
2035	24	5	29	30	35	43
2040	24	5	29	30	35	44
2044	24	5	29	30	35	44

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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

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	131 802	13 180	144 983	147 698	174 275	188 478
2025	135 123	13 512	148 635	151 627	178 911	193 222
2030	139 677	13 968	153 645	156 922	185 159	199 734
2035	144 202	14 420	158 622	162 199	191 385	206 200
2040	148 726	14 873	163 599	167 495	197 595	212 670
2044	152 346	15 235	167 581	171 571	202 565	217 850

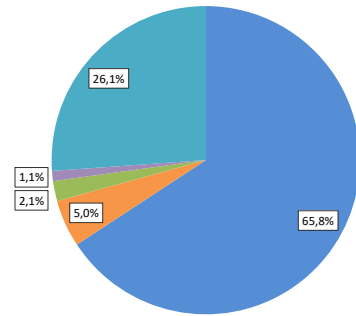
Water Available for Use in 2044 DYCP												
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018	
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 (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)		NYAA (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)
2019	128 093	122 178	133 188	153 712 -	16 890 -	25 520 -	41 087 -	34 76							
2025	128 093	121 717	132 727	153 712 -	20 542 -	29 910 -	46 184 -	39 51							
2030	126 467	121 333	132 343	153 712 -	27 178 -	35 589 -	52 816 -	46 02							
2035	126 278	121 218	132 228	153 712 -	32 344 -	40 981 -	59 157 -	52 49							
2040	126 105	121 113	132 122	153 712 -	37 493 -	46 382 -	65 472 -	58 96							
2044	125 967	121 028	132 038	153 712 -	41 613 -	50 543 -	70 527 -	64 14							

WRZ CODE	0500SC0083	WRZ Name	Minane Bridge	Study Area	I	Study Group		Local Authority	Cork

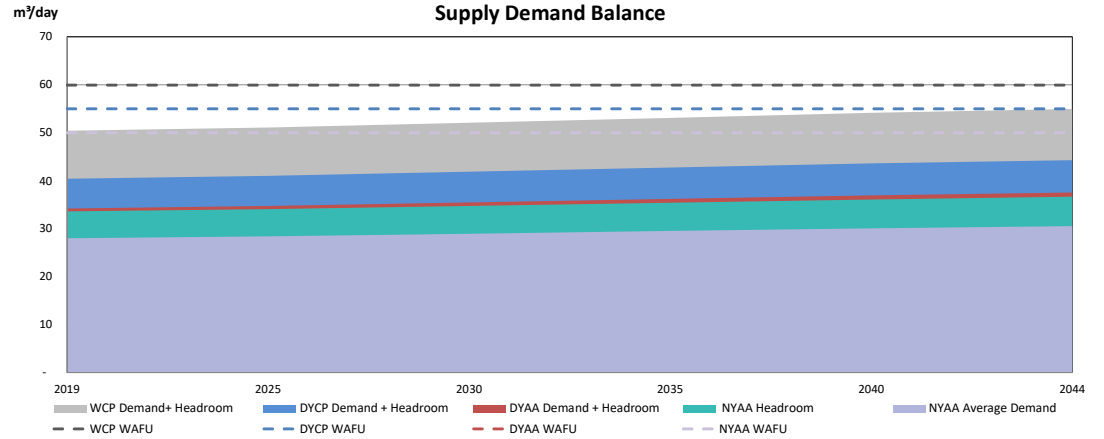
Base Demand in	2019
Domestic Demand (m³/day)	18
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	7
Demand (m³/day)	28

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

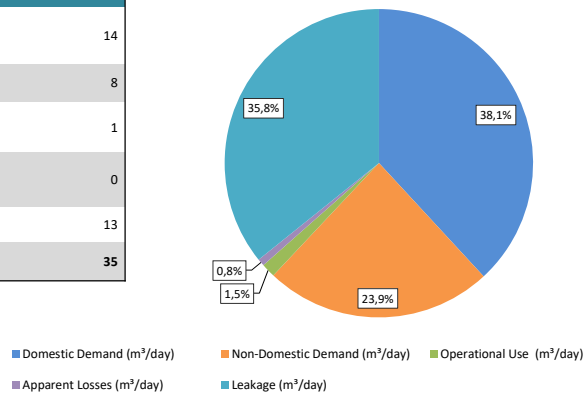
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

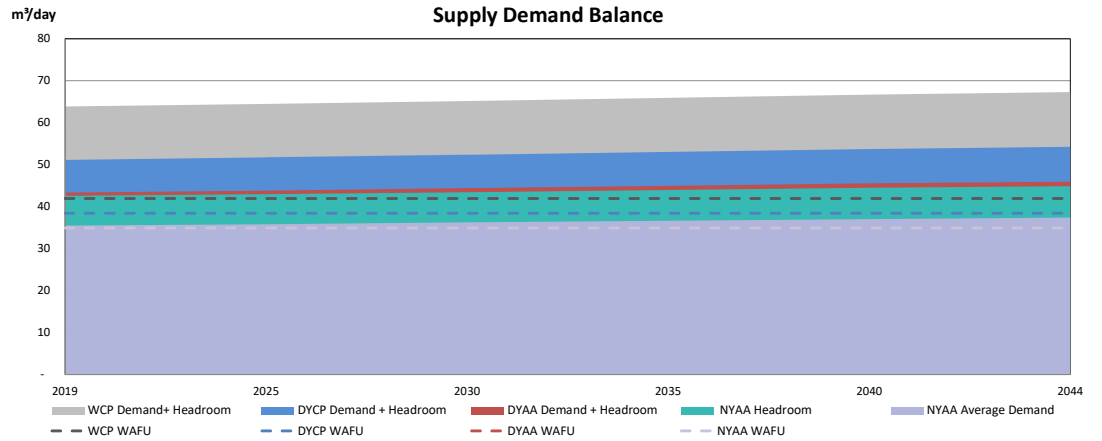
WRZ CODE	0500SC0084	WRZ Name	Ballykilty	Study Area	I	Study Group	Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	14
Non-Domestic Demand (m³/day)	8
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	13
Demand (m³/day)	35

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	35	7	43	43	51	64
2025	36	7	43	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

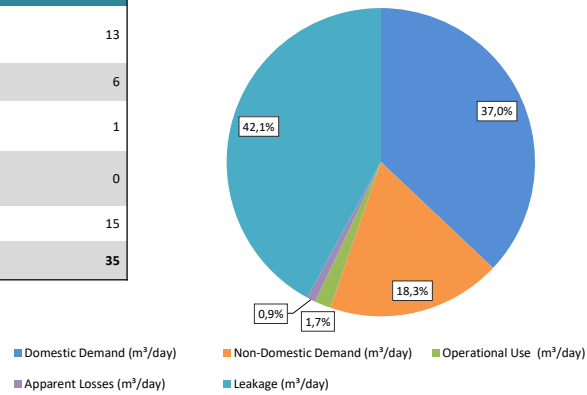
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

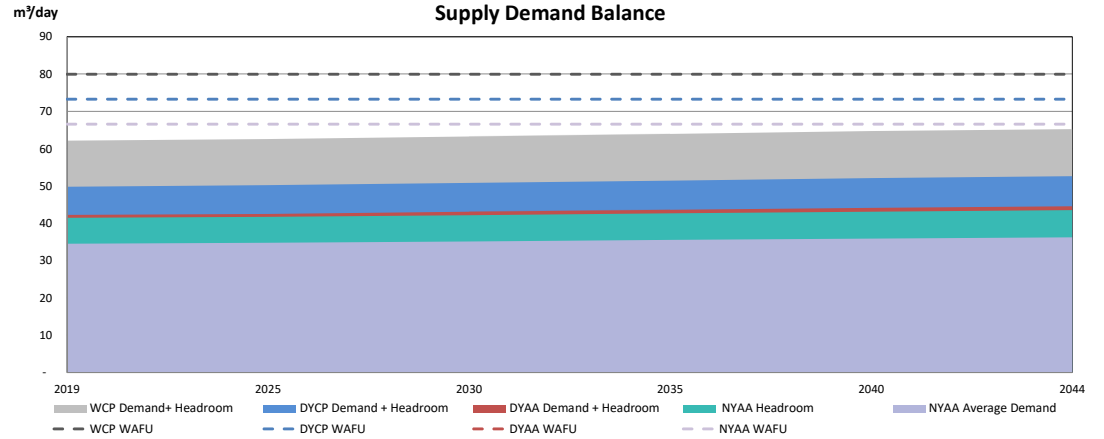
WRZ CODE	0500SC0086	WRZ Name	Bartlemy	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	13
Non-Domestic Demand (m³/day)	6
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	15
Demand (m³/day)	35

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	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

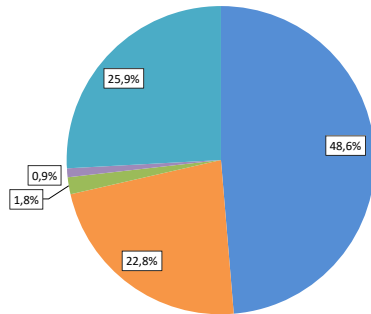
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000291	Bartlemy Hightown WTP	80	67	73	No Licence	77	22Hr	73	-	73	Significant Reduction
TOTAL		80	67	73	-	77		73	-	73	

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)
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

Base Demand in	2019
Domestic Demand (m³/day)	22
Non-Domestic Demand (m³/day)	10
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	12
Demand (m³/day)	45

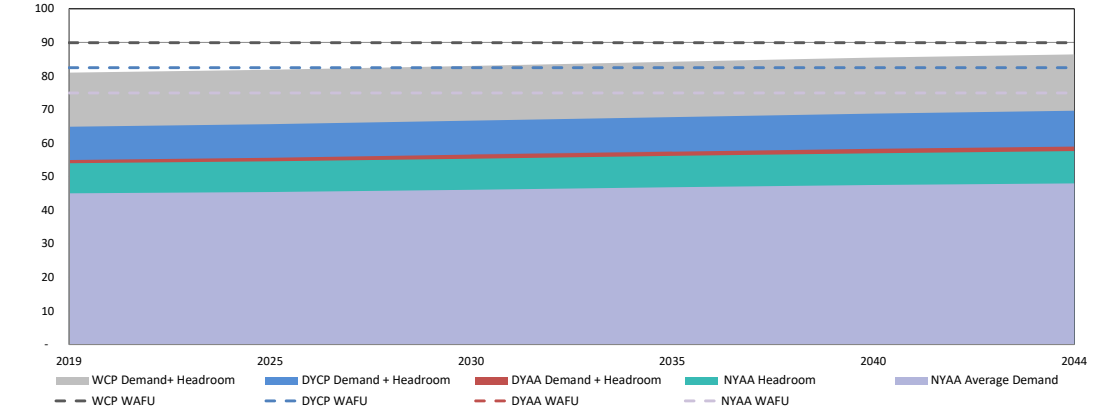
Components of Base Demand 2019



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

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	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

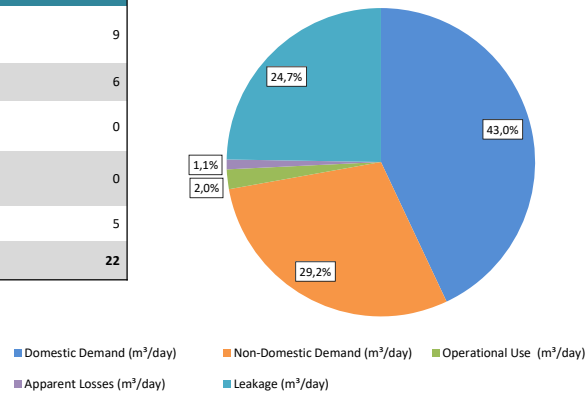
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

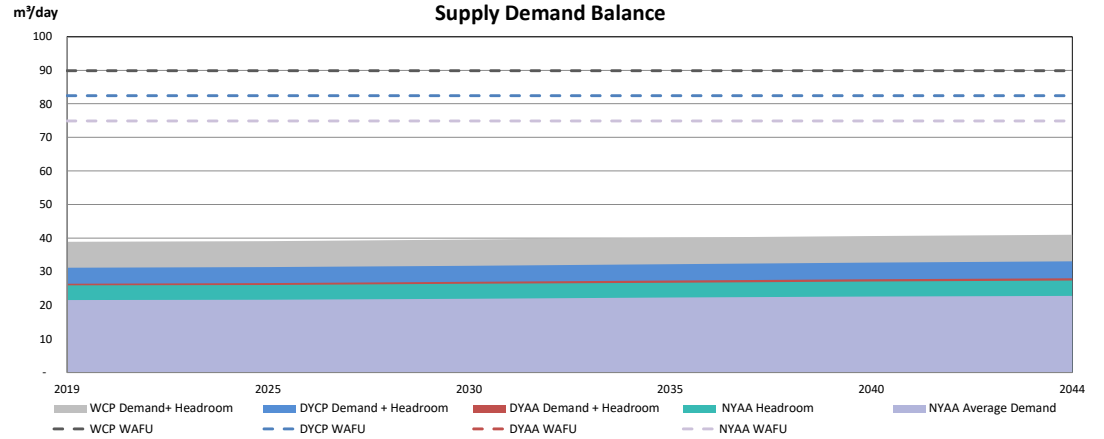
WRZ CODE	0500SC0088	WRZ Name	Knockdrumacloagh	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	9
Non-Domestic Demand (m³/day)	6
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	5
Demand (m³/day)	22

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	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

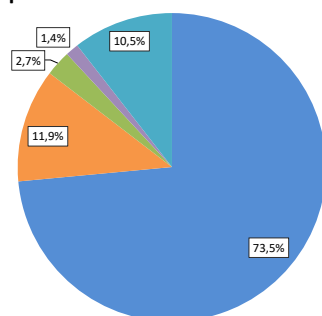
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	75	75	83	90	49	49	51	5	
2025	75	75	83	90	49	48	51	5	
2030	75	75	83	90	49	48	51	5	
2035	75	75	83	90	48	48	50	5	
2040	75	75	83	90	48	47	50	4	
2044	75	75	83	90	48	47	49	4	

WRZ CODE	0500SC0089	WRZ Name	Coolagown	Study Area	J	Study Group		Local Authority	Cork

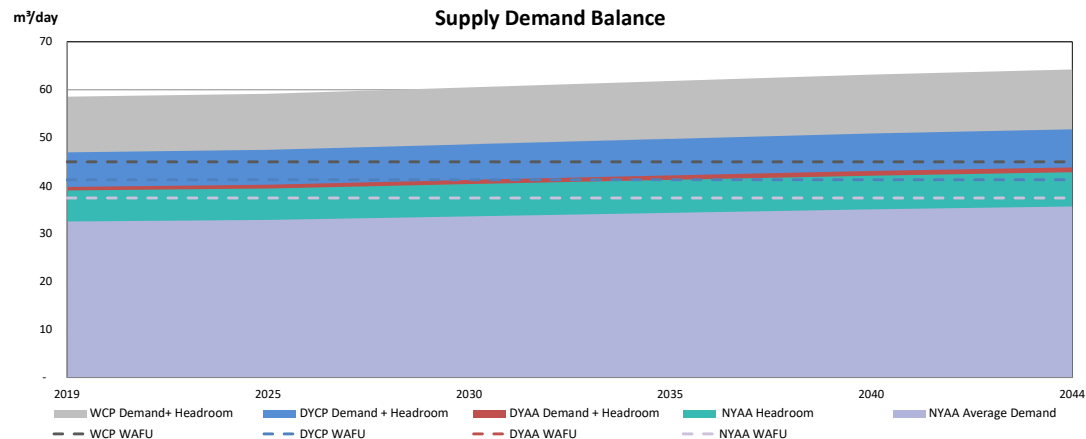
Base Demand in	2019
Domestic Demand (m³/day)	24
Non-Domestic Demand (m³/day)	4
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	3
Demand (m³/day)	33

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

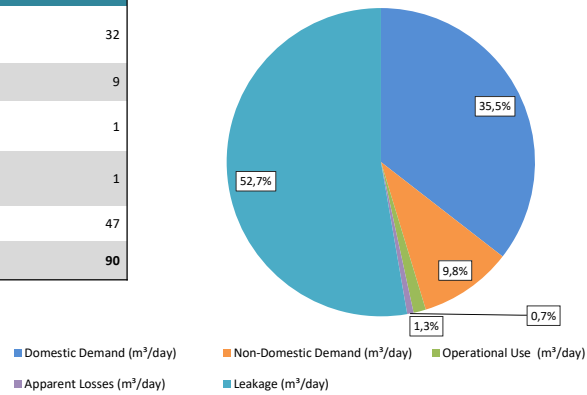
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	38	38	41	45 -	2 -	2 -	6 -	14	
2025	38	38	41	45 -	2 -	3 -	6 -	14	
2030	38	38	41	45 -	3 -	4 -	7 -	15	
2035	38	38	41	45 -	4 -	5 -	8 -	17	
2040	38	38	41	45 -	5 -	6 -	10 -	18	
2044	38	38	41	45 -	5 -	6 -	11 -	19	

WRZ CODE	0500SC0090	WRZ Name	Kilmagnier	Study Area	J	Study Group		Local Authority	Cork

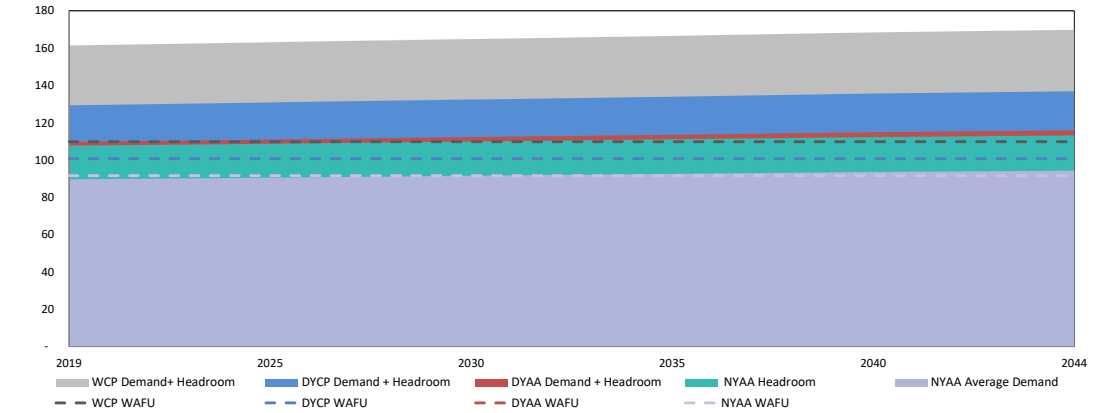
Base Demand in	2019
Domestic Demand (m³/day)	32
Non-Domestic Demand (m³/day)	9
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	47
Demand (m³/day)	90

Components of Base Demand 2019



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	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

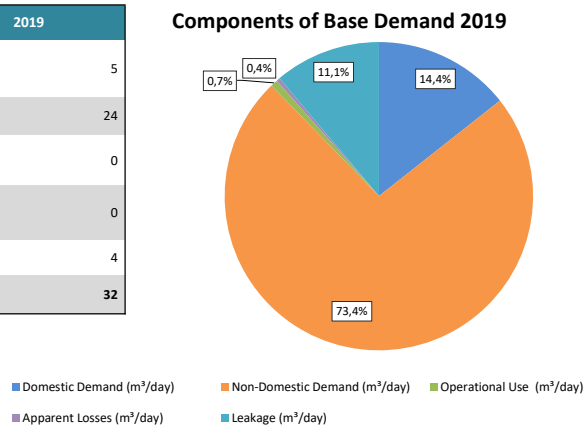
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0001116	Kilmagnier WTP	110	92	101	No Licence	105	22Hr	101	-	101	
TOTAL		110	92	101	-	105		101	-	101	

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)	
2019	92	92	101	110	-	16	-	18	-
2025	92	92	101	110	-	17	-	19	-
2030	92	92	101	110	-	18	-	21	-
2035	92	92	101	110	-	19	-	22	-
2040	92	92	101	110	-	21	-	23	-
2044	92	92	101	110	-	22	-	24	-

WRZ CODE	0500SC0092	WRZ Name	Kilmurry (Mitchelstown)	Study Area	J	Study Group		Local Authority	Cork

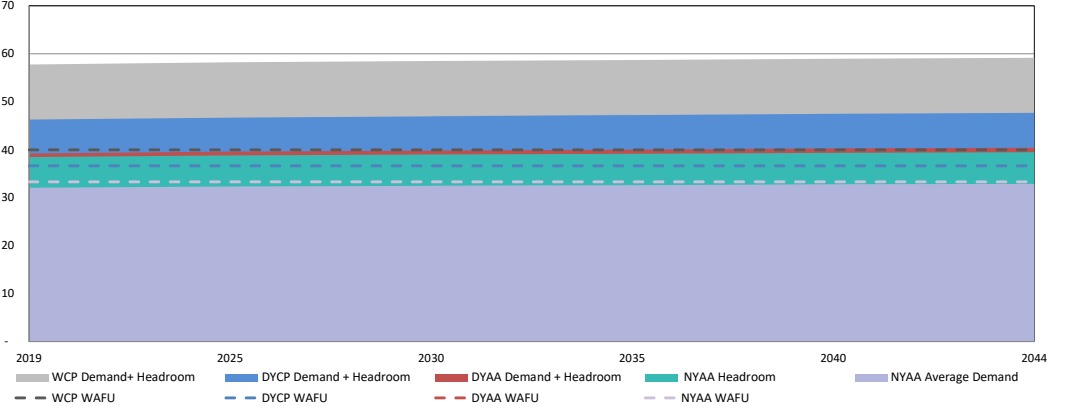
Base Demand in	2019
Domestic Demand (m³/day)	5
Non-Domestic Demand (m³/day)	24
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	4
Demand (m³/day)	32

Components of Base Demand 2019



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	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

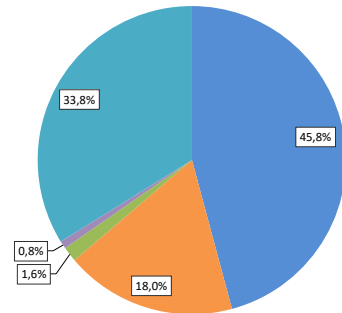
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	33	33	37	40	-	5	-	6	-
2025	33	33	37	40	-	5	-	6	-
2030	33	33	37	40	-	6	-	6	-
2035	33	33	37	40	-	6	-	7	-
2040	33	33	37	40	-	6	-	7	-
2044	33	33	37	40	-	6	-	7	-

WRZ CODE	0500SC0094	WRZ Name	Kiskeam	Study Area	J	Study Group		Local Authority	Cork

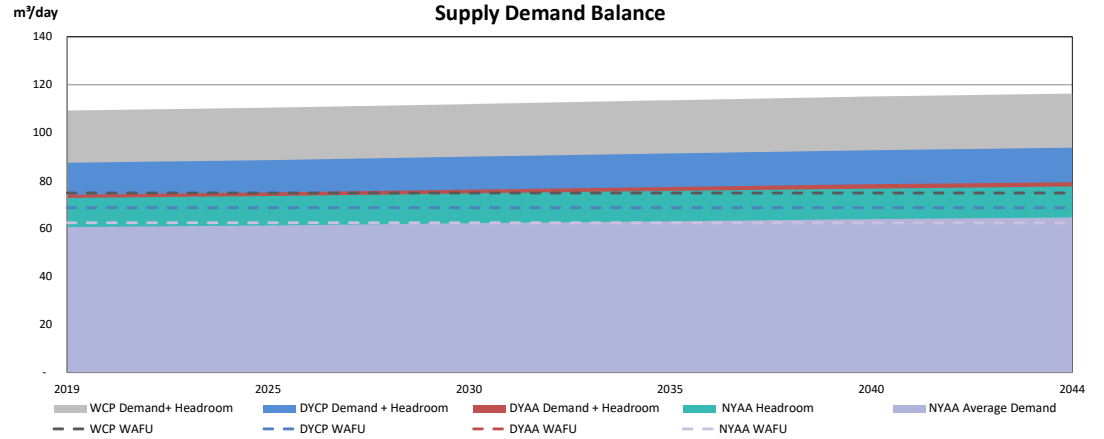
Base Demand in	2019
Domestic Demand (m³/day)	28
Non-Domestic Demand (m³/day)	11
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	21
Demand (m³/day)	61

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

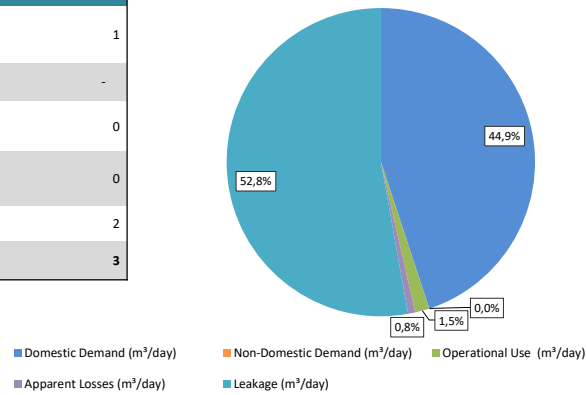
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	63	63	69	75 -	10 -	12 -	19 -	34	
2025	63	63	69	75 -	11 -	13 -	20 -	35	
2030	63	63	69	75 -	12 -	14 -	21 -	37	
2035	63	63	69	75 -	13 -	15 -	23 -	39	
2040	63	63	69	75 -	14 -	16 -	24 -	40	
2044	63	63	69	75 -	15 -	17 -	25 -	41	

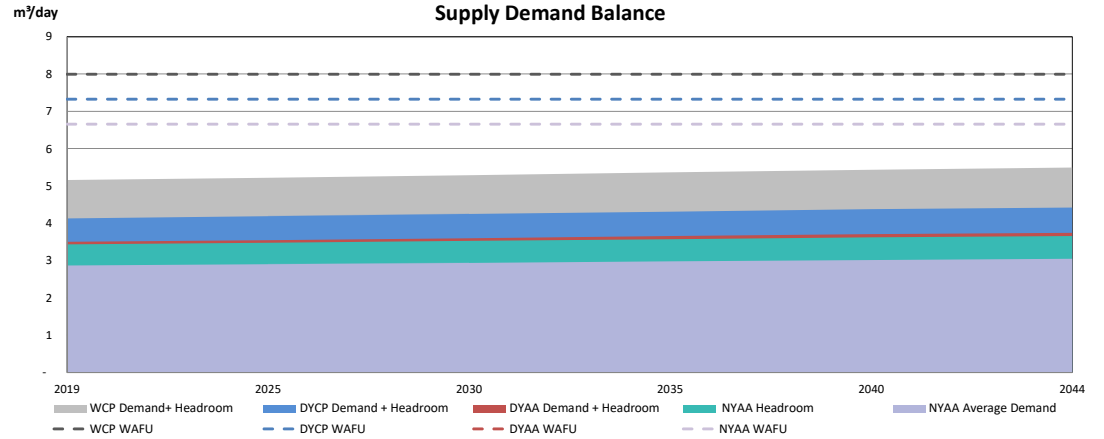
WRZ CODE	0500SC0095	WRZ Name	Knockanleigh	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	2
Demand (m³/day)	3

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	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

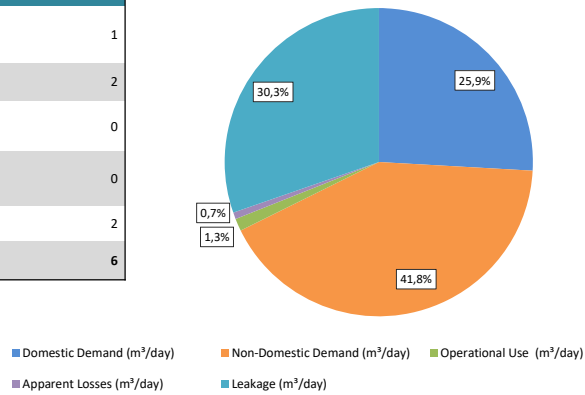
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

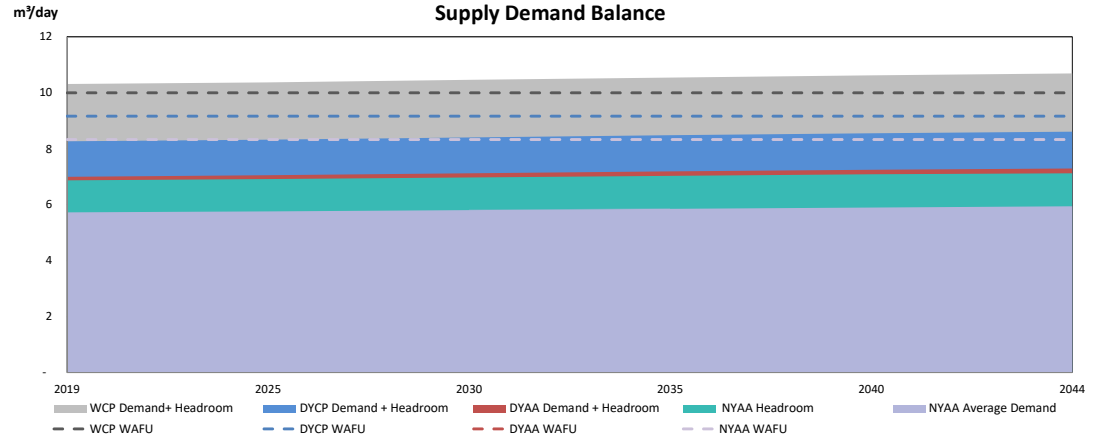
WRZ CODE	0500SC0096	WRZ Name	Boherascrub	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	2
Demand (m³/day)	6

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	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

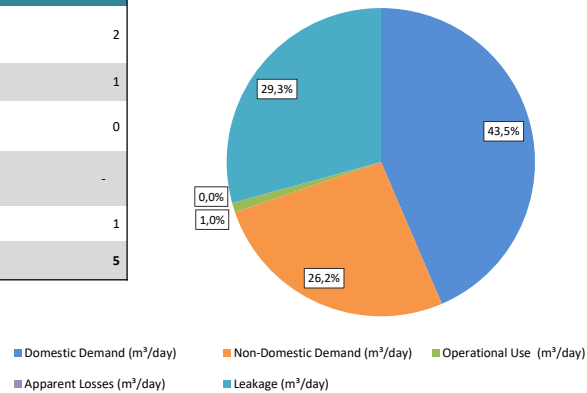
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

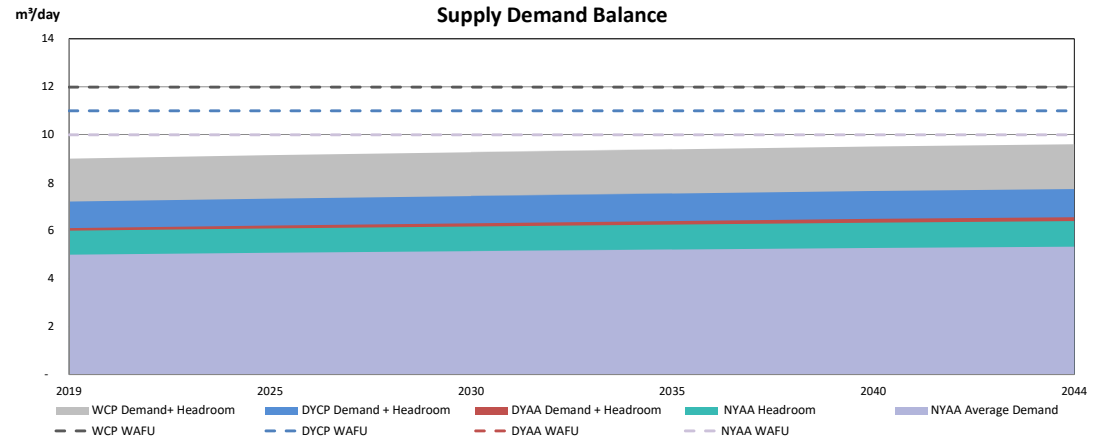
WRZ CODE	0500SC0099	WRZ Name	Glenduff	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	1
Demand (m³/day)	5

Components of Base Demand 2019



Supply Demand Balance

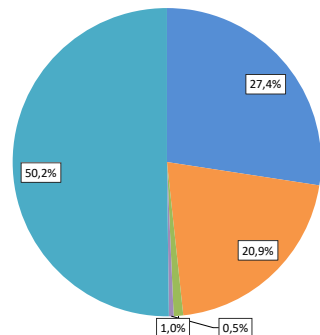
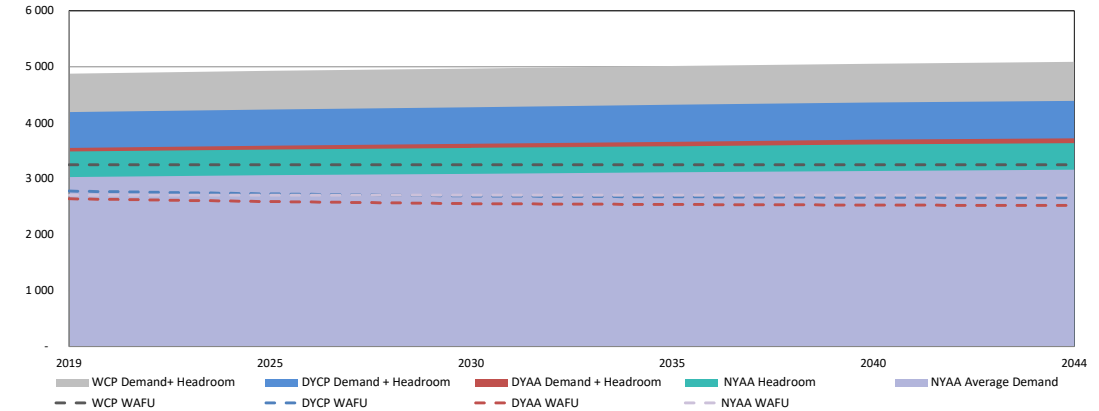


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	5	1	6	6	7	9
2025	5	1	6	6	7	9
2030	5	1	6	6	7	9
2035	5	1	6	6	8	9
2040	5	1	6	6	8	10
2044	5	1	6	7	8	10

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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)	1 522
Demand (m³/day)	3 031

m³/day

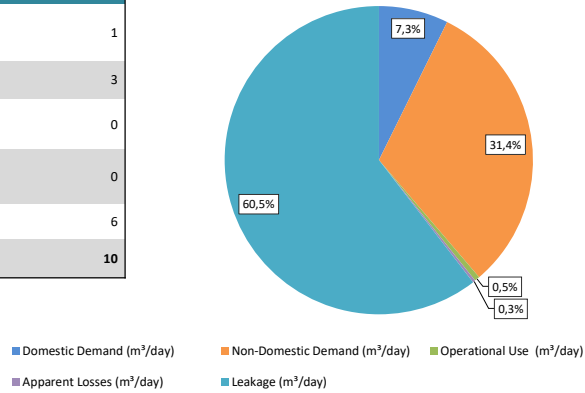
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	2 708	2 644	2 781	3 250 -	777 -	907 -	1 409 -	1 637 -
2025	2 708	2 595	2 733	3 250 -	813 -	997 -	1 506 -	1 677 -
2030	2 708	2 555	2 692	3 250 -	842 -	1 072 -	1 587 -	1 727 -
2035	2 708	2 543	2 680	3 250 -	872 -	1 118 -	1 640 -	1 767 -
2040	2 708	2 532	2 669	3 250 -	902 -	1 164 -	1 691 -	1 807 -
2044	2 708	2 523	2 660	3 250 -	925 -	1 197 -	1 732 -	1 837 -

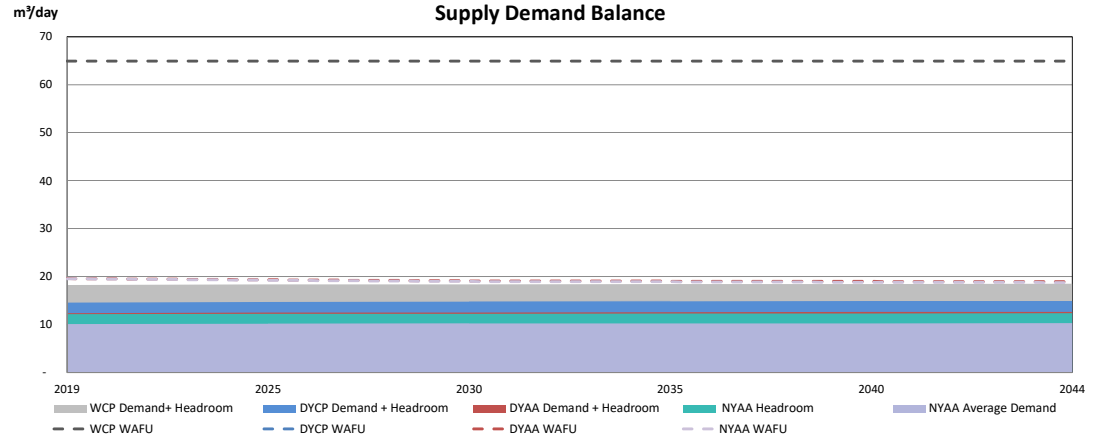
WRZ CODE	0500SC0101	WRZ Name	Mountain Barracks	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	3
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	6
Demand (m³/day)	10

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	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

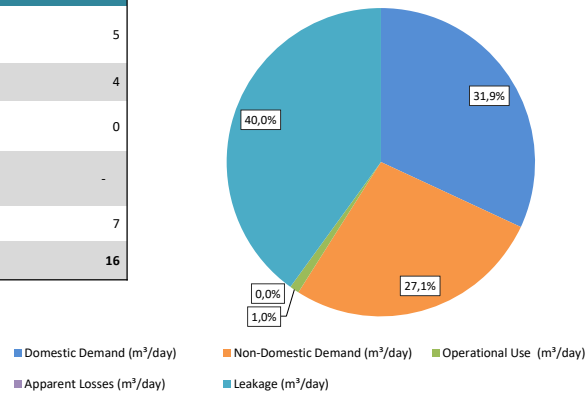
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

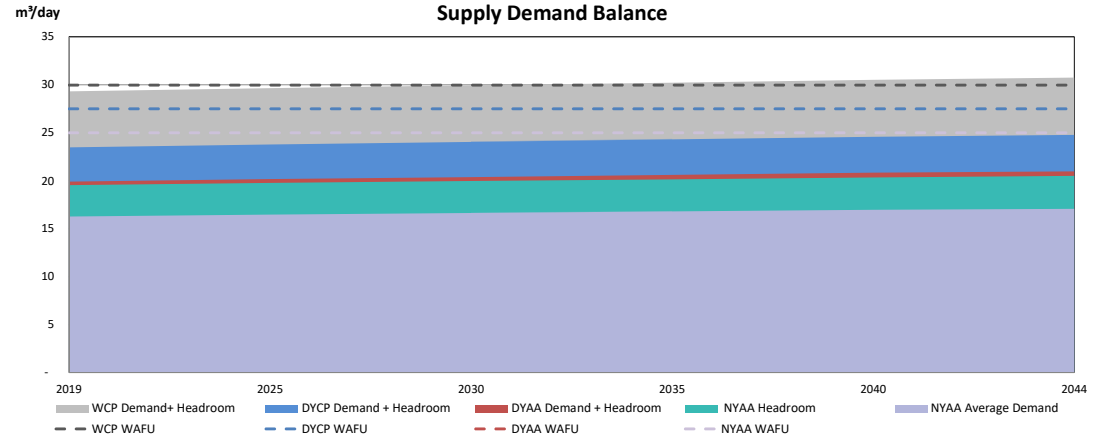
WRZ CODE	0500SC0102	WRZ Name	Gortnaskehly	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	5
Non-Domestic Demand (m³/day)	4
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	7
Demand (m³/day)	16

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	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

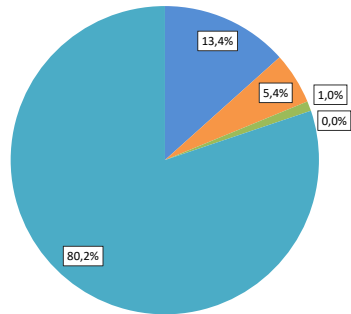
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

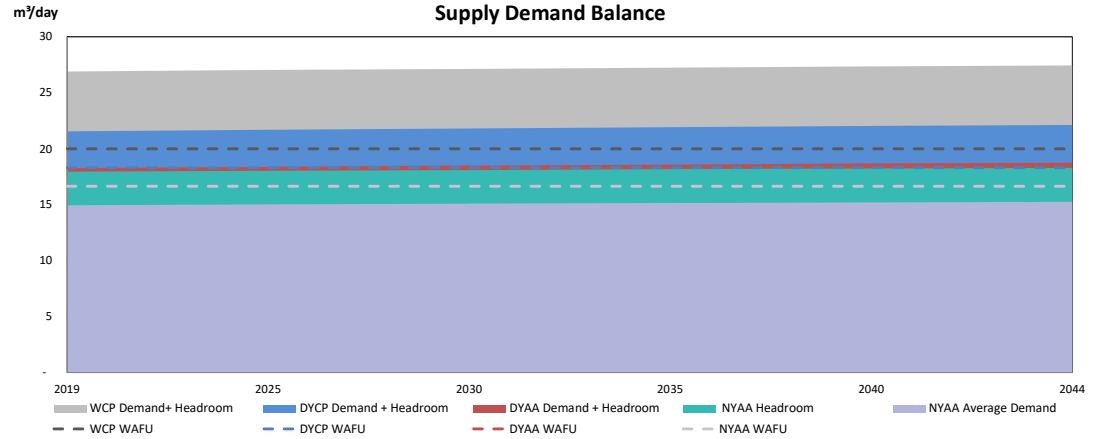
Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	12
Demand (m³/day)	15

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

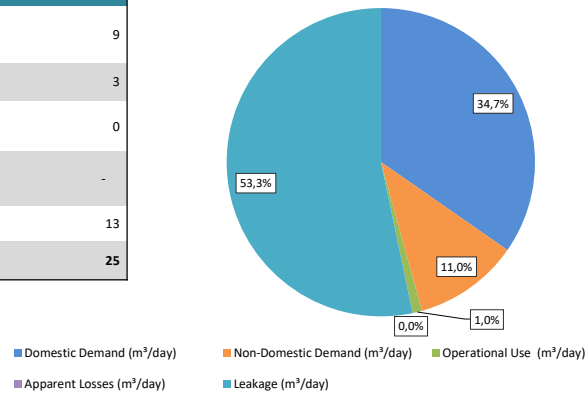
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0001150	Knockanevin WTP	20	17	18	No Licence	19	22Hr	18	-	18	
TOTAL		20	17	18	-	19		18	-	18	

Year	NYAA (m³/day)	DYAA (m³/day)	WAFU	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	17	17	17	18	20 -	1 -	2 -	3 -	7
2025	17	17	17	18	20 -	1 -	2 -	3 -	7
2030	17	17	17	18	20 -	1 -	2 -	3 -	7
2035	17	17	17	18	20 -	2 -	2 -	4 -	7
2040	17	17	17	18	20 -	2 -	2 -	4 -	7
2044	17	17	17	18	20 -	2 -	2 -	4 -	7

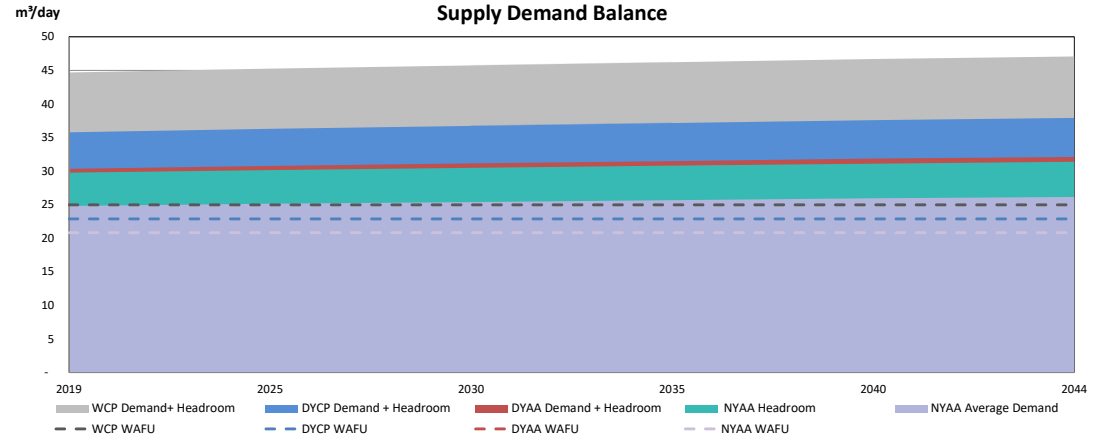
WRZ CODE	0500SC0104	WRZ Name	Skahanagh	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	9
Non-Domestic Demand (m³/day)	3
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	13
Demand (m³/day)	25

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	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

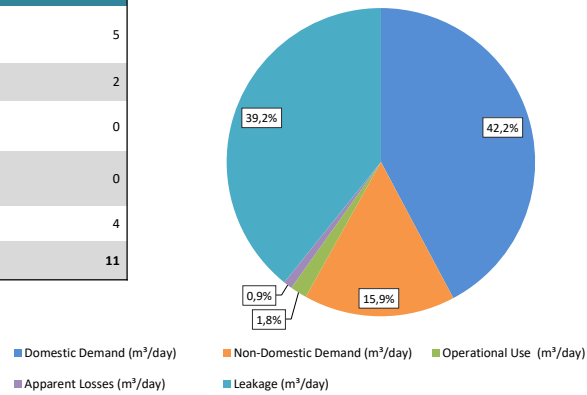
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

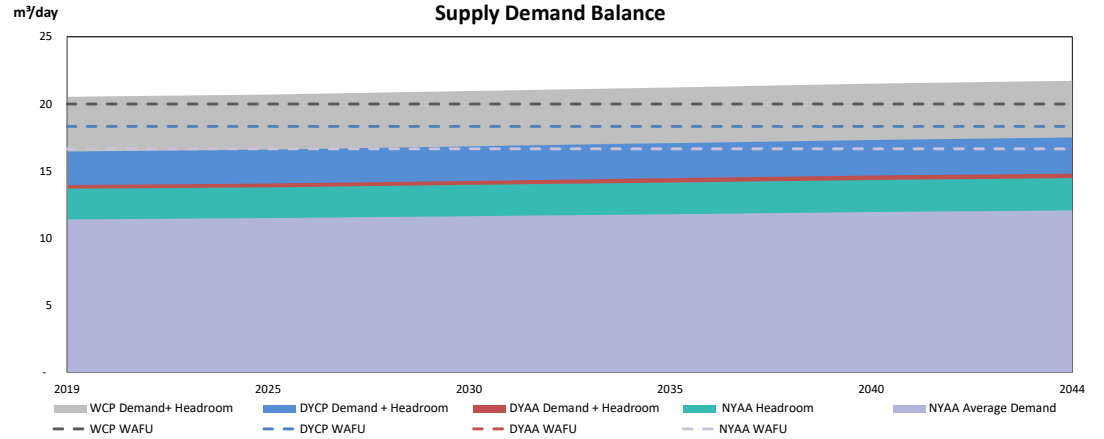
WRZ CODE	0500SC0105	WRZ Name	Knockeragh	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	5
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	4
Demand (m³/day)	11

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	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

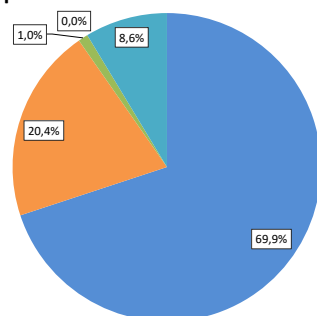
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (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	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

Base Demand in	2019
Domestic Demand (m³/day)	7
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	1
Demand (m³/day)	10

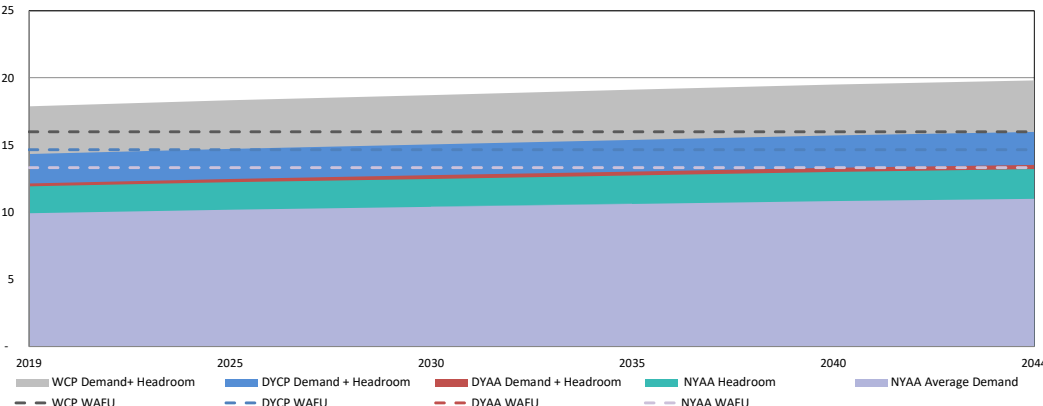
Components of Base Demand 2019



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

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	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

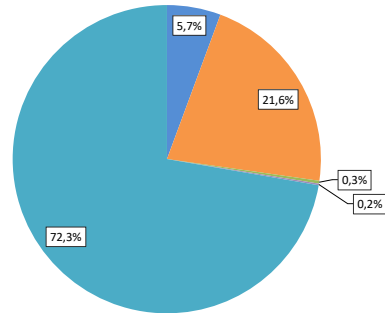
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

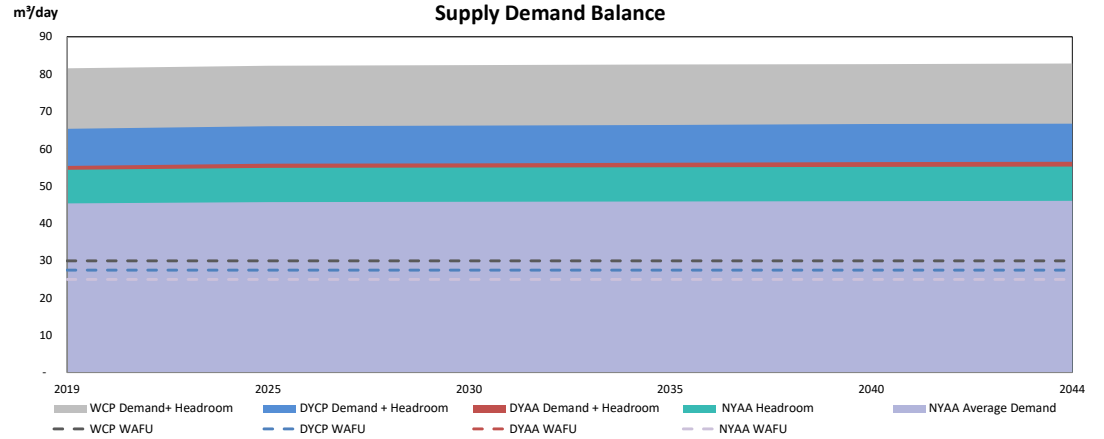
Base Demand in	2019
Domestic Demand (m³/day)	3
Non-Domestic Demand (m³/day)	10
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	33
Demand (m³/day)	45

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

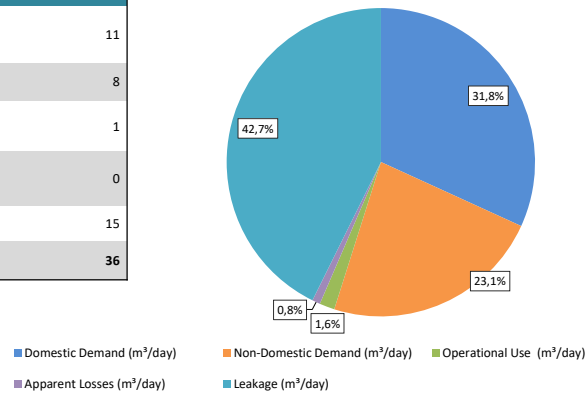
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	25	25	28	30	-	29	-	30	-
2025	25	25	28	30	-	30	-	31	-
2030	25	25	28	30	-	30	-	31	-
2035	25	25	28	30	-	30	-	31	-
2040	25	25	28	30	-	30	-	31	-
2044	25	25	28	30	-	30	-	32	-

WRZ CODE	0500SC0108	WRZ Name	Rockchapel	Study Area	J	Study Group		Local Authority	Cork

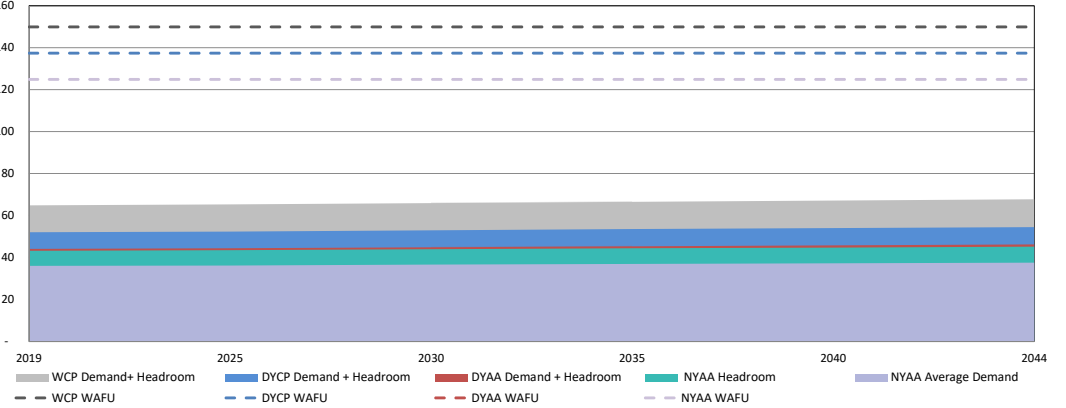
Base Demand in	2019
Domestic Demand (m³/day)	11
Non-Domestic Demand (m³/day)	8
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	15
Demand (m³/day)	36

Components of Base Demand 2019



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	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

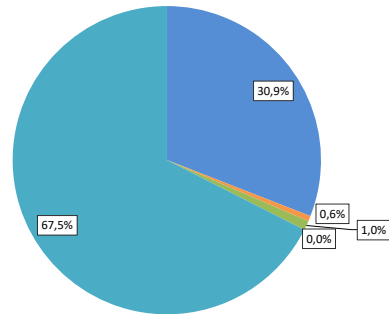
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

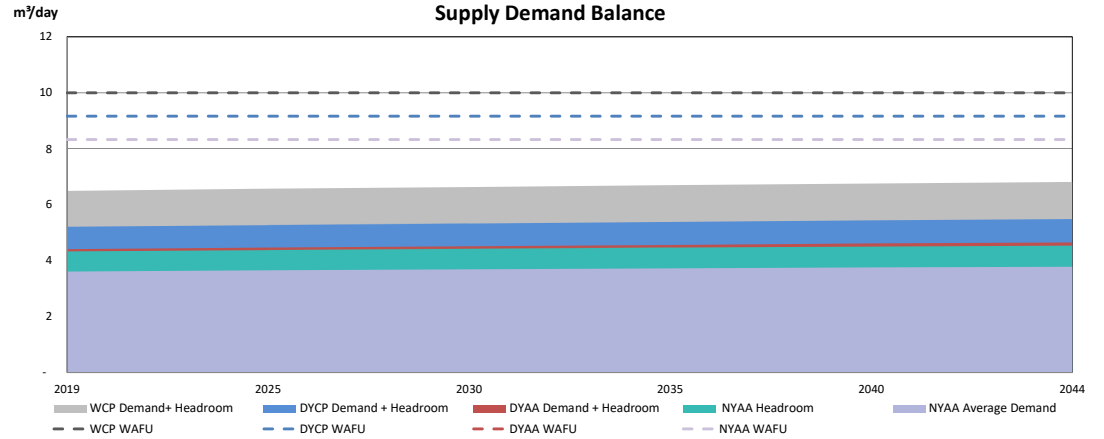
Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	0
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	2
Demand (m³/day)	4

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	4	1	4	4	5	6
2025	4	1	4	4	5	7
2030	4	1	4	5	5	7
2035	4	1	4	5	5	7
2040	4	1	5	5	5	7
2044	4	1	5	5	5	7

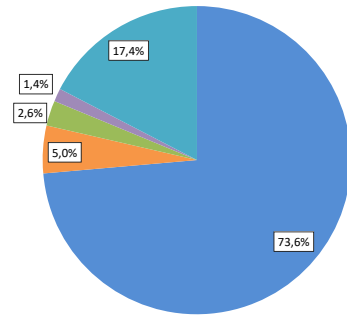
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

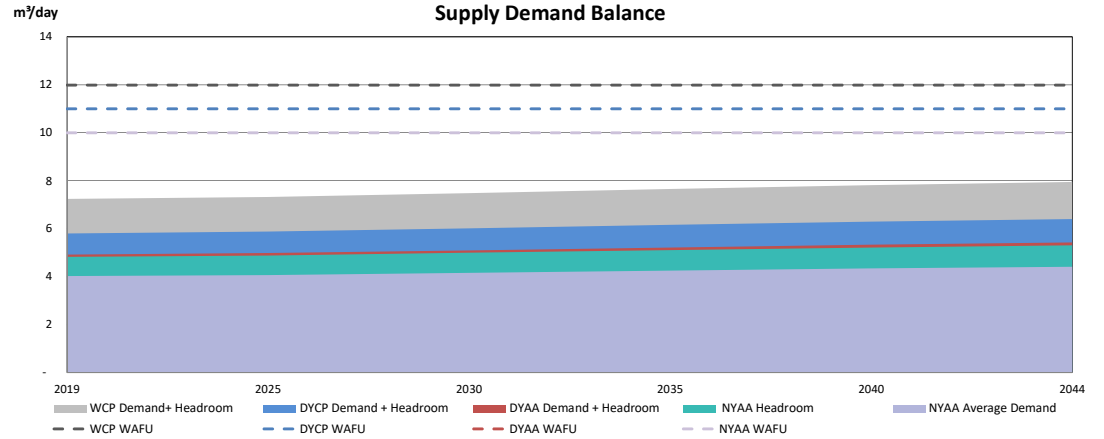
Base Demand in	2019
Domestic Demand (m³/day)	3
Non-Domestic Demand (m³/day)	0
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	1
Demand (m³/day)	4

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



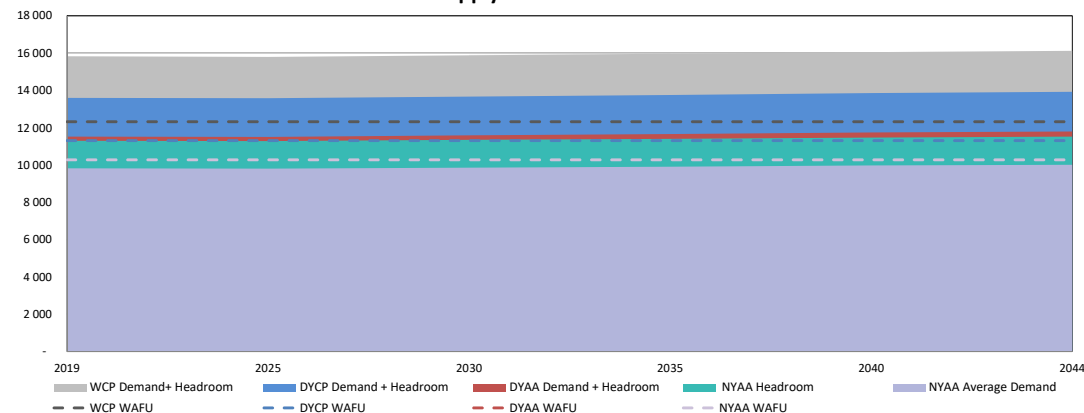
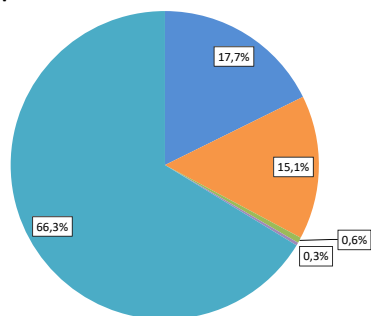
■ Domestic Demand (m³/day) ■ Non-Domestic Demand (m³/day) ■ Operational Use (m³/day)
■ Apparent Losses (m³/day) ■ Leakage (m³/day)



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	2 275	341	2 616	2 665	3 144	3 666
2025	2 296	344	2 640	2 694	3 178	3 699
2030	2 310	347	2 657	2 714	3 202	3 723
2035	2 325	349	2 674	2 734	3 226	3 747
2040	2 339	351	2 690	2 754	3 249	3 771
2044	2 351	353	2 704	2 768	3 268	3 788

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)	
2019	2 167	2 167	2 383	2 600 -	449 -	498 -	761 -	1 066 -	
2025	2 167	2 167	2 383	2 600 -	474 -	527 -	795 -	1 091 -	
2030	2 167	2 167	2 383	2 600 -	490 -	547 -	819 -	1 122 -	
2035	2 167	2 167	2 383	2 600 -	507 -	567 -	843 -	1 144 -	
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 -	1 188 -	

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



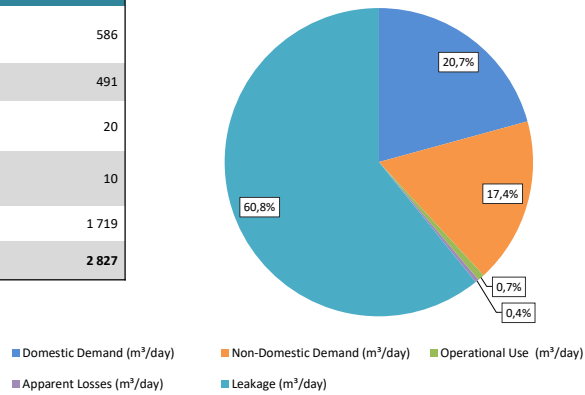
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 -	3 546 -		
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 -		

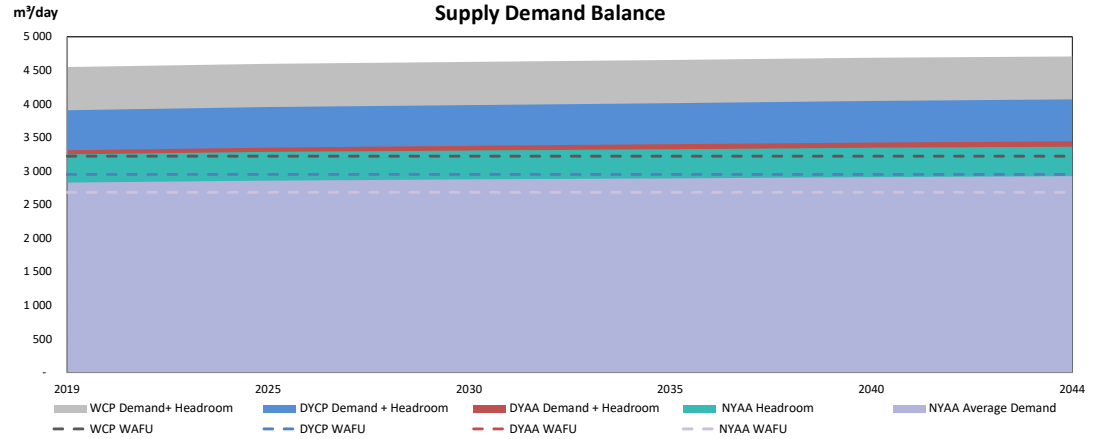
WRZ CODE	0500SC0118	WRZ Name	Ballyhooley	Study Area	J	Study Group	Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	586
Non-Domestic Demand (m³/day)	491
Operational Use (m³/day)	20
Apparent Losses (m³/day)	10
Leakage (m³/day)	1 719
Demand (m³/day)	2 827

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	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 (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
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)

WRZ CODE	0500SC0121	WRZ Name	Macrone	Study Area	J	Study Group		Local Authority	Cork



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



2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom
DYCP Demand + Headroom
DYAA Demand + Headroom
NYAA Headroom

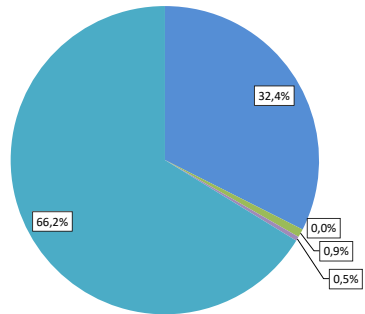
WCP WAFU
DYCP WAFU
DYAA WAFU
NYAA WAFU

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
WTP0000201	Macroney WTP	90	75	83	No Licence	86	22Hr	83	-	83	Significant Reduction
TOTAL		90	75	83	-	86		83	-	83	

WRZ CODE	0500SC0122	WRZ Name	Ballyvadonna	Study Area	J	Study Group		Local Authority	Cork

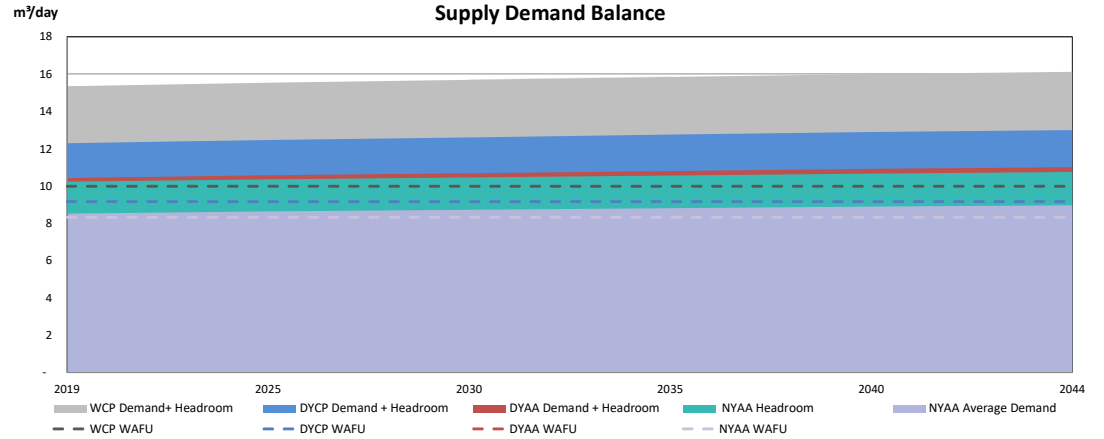
Base Demand in	2019
Domestic Demand (m³/day)	3
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	6
Demand (m³/day)	9

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

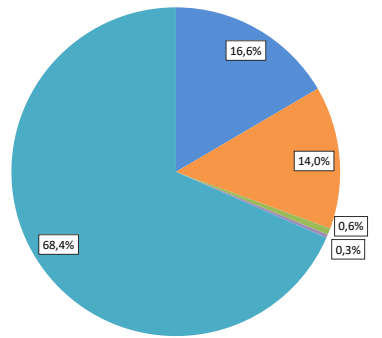
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	8	8	9	10	-	2	-	3		
2025	8	8	9	10	-	2	-	3		
2030	8	8	9	10	-	2	-	3		
2035	8	8	9	10	-	2	-	4		
2040	8	8	9	10	-	2	-	4		
2044	8	8	9	10	-	2	-	4		

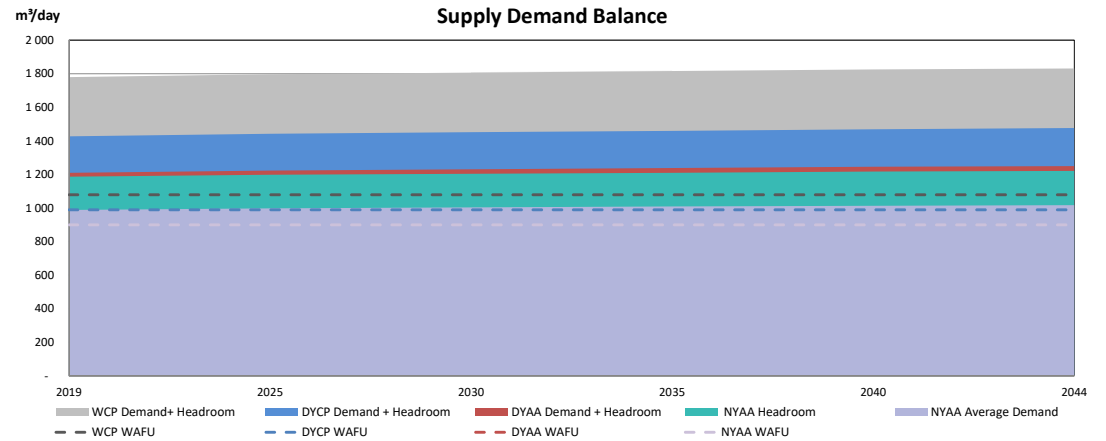
WRZ CODE	0500SC0124	WRZ Name	Castletownroche	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	164
Non-Domestic Demand (m³/day)	139
Operational Use (m³/day)	6
Apparent Losses (m³/day)	3
Leakage (m³/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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

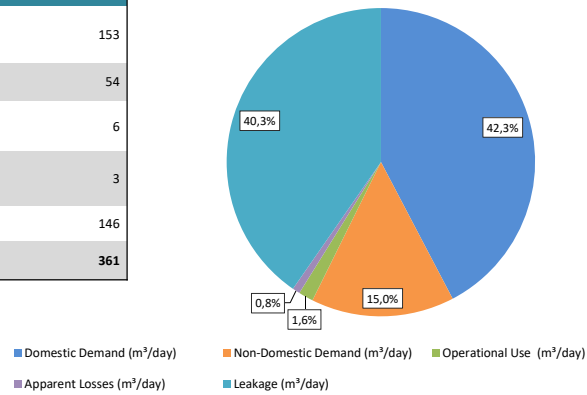
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000496	Castletownroche WTP	1 080	900	990	No Licence	1 034	22Hr	990	-	990	

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)		
2019	900	900	990	1 080	-	287	309	437	-	701
2025	900	900	990	1 080	-	298	322	452	-	718
2030	900	900	990	1 080	-	304	330	462	-	727
2035	900	900	990	1 080	-	311	338	471	-	736
2040	900	900	990	1 080	-	317	346	479	-	745
2044	900	900	990	1 080	-	322	351	487	-	752

WRZ CODE	0500SC0126	WRZ Name	Dromahane / Kilcolman / Cois	Study Area	J	Study Group	Local Authority	Cork

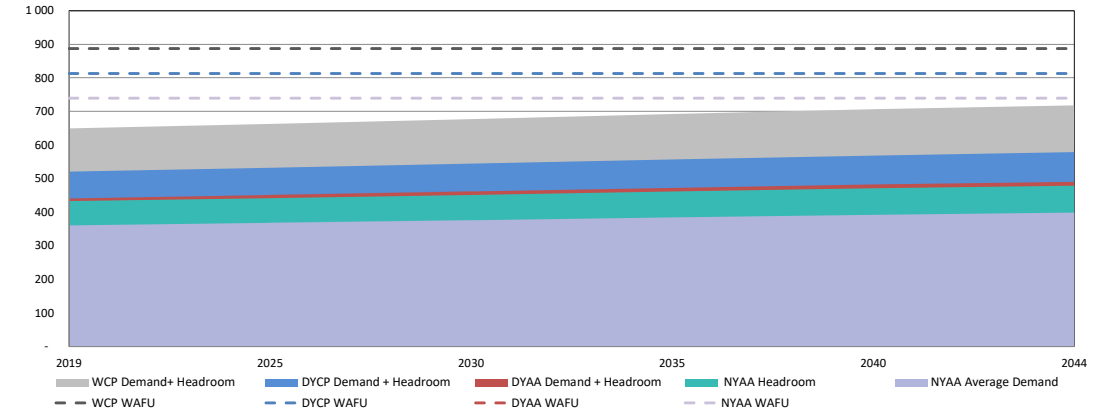
Base Demand in	2019
Domestic Demand (m³/day)	153
Non-Domestic Demand (m³/day)	54
Operational Use (m³/day)	6
Apparent Losses (m³/day)	3
Leakage (m³/day)	146
Demand (m³/day)	361

Components of Base Demand 2019



m³/day

Supply Demand Balance



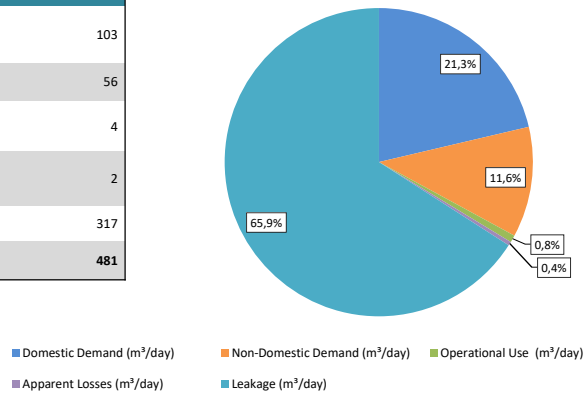
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	361	72	433	441	521	650
2025	368	74	442	451	532	663
2030	377	75	452	461	545	678
2035	385	77	462	472	557	692
2040	393	79	471	482	569	707
2044	399	80	479	490	579	718

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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	

WRZ CODE	0500SC0128	WRZ Name	Killavullen	Study Area	J	Study Group		Local Authority	Cork

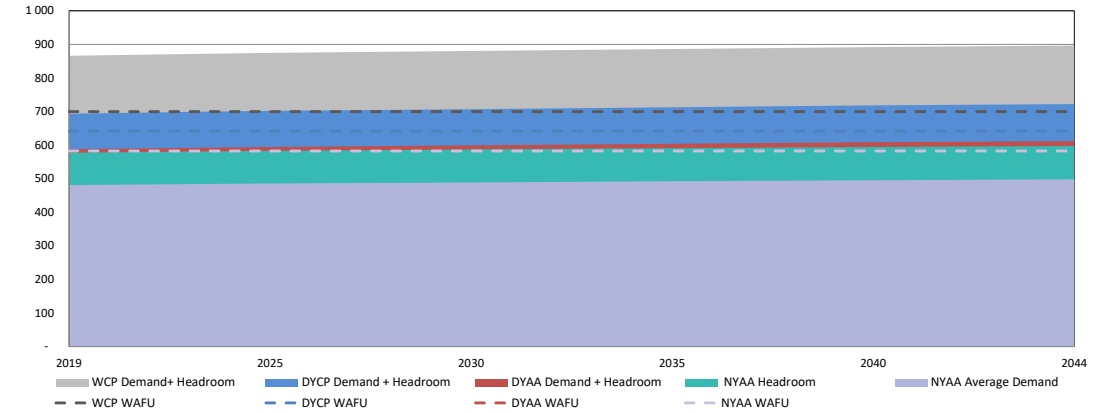
Base Demand in	2019
Domestic Demand (m³/day)	103
Non-Domestic Demand (m³/day)	56
Operational Use (m³/day)	4
Apparent Losses (m³/day)	2
Leakage (m³/day)	317
Demand (m³/day)	481

Components of Base Demand 2019



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	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

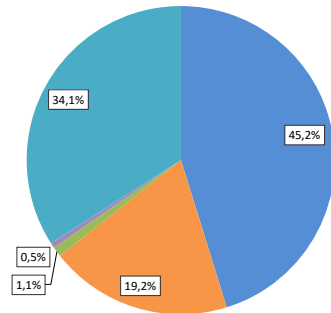
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	583	583	642	700	6 -	5 -	52 -	166	
2025	583	583	642	700	0 -	11 -	60 -	175	
2030	583	583	642	700	4 -	16 -	66 -	180	
2035	583	583	642	700	7 -	21 -	71 -	186	
2040	583	583	642	700	11 -	25 -	76 -	192	
2044	583	583	642	700	14 -	28 -	81 -	196	

WRZ CODE	0500SC0130	WRZ Name	Lombardstown_Glantane	Study Area	J	Study Group		Local Authority	Cork

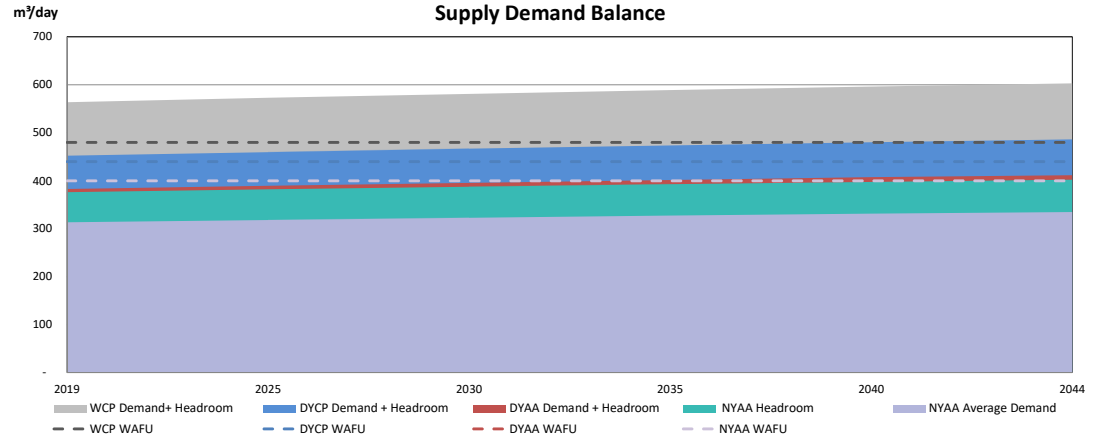
Base Demand in	2019
Domestic Demand (m³/day)	142
Non-Domestic Demand (m³/day)	60
Operational Use (m³/day)	3
Apparent Losses (m³/day)	2
Leakage (m³/day)	107
Demand (m³/day)	313

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)

Supply Demand Balance

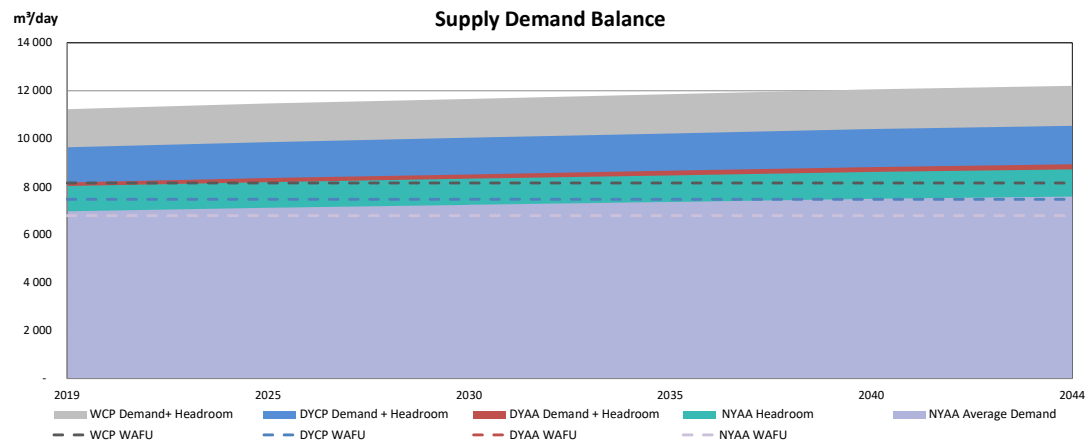


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	313	63	376	383	452	564
2025	318	64	382	390	460	573
2030	323	65	387	395	467	581
2035	327	65	392	401	474	589
2040	331	66	398	407	480	597
2044	335	67	402	412	486	603

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

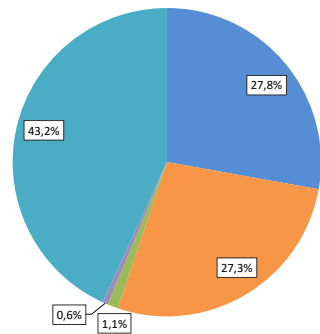
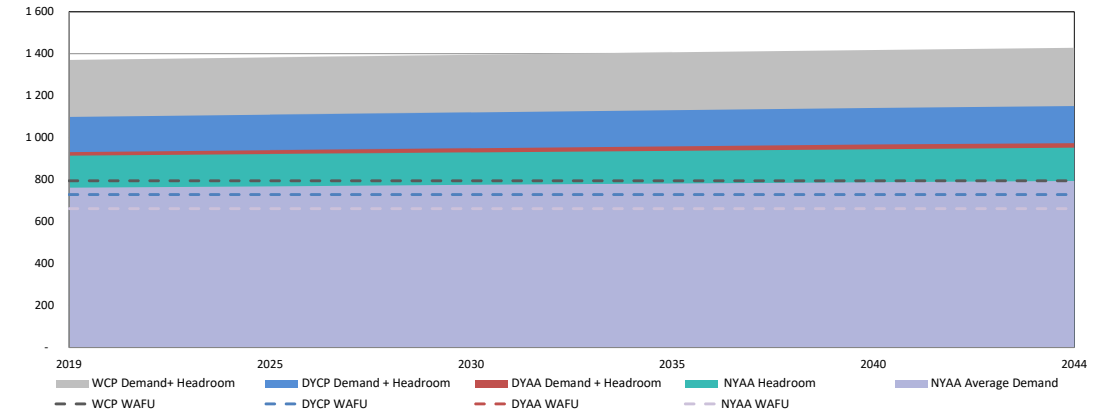
WRZ CODE	0500SC0131	WRZ Name	Mallow	Study Area	J	Study Group		Local Authority	Cork



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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 -	4 051	

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

m³/day

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
WTP0000644	Creggan 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	663	663	730	796 -	250 -	268 -	369 -	57		
2025	663	663	730	796 -	259 -	277 -	380 -	58		
2030	663	663	730	796 -	267 -	287 -	391 -	59		
2035	663	663	730	796 -	275 -	296 -	402 -	61		
2040	663	663	730	796 -	282 -	305 -	413 -	62		
2044	663	663	730	796 -	289 -	311 -	421 -	63		

WRZ CODE	0500SC0138	WRZ Name	Millstreet	Study Area	J	Study Group		Local Authority	Cork



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



2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom DYCP Demand + Headroom DYAA Demand + Headroom NYAA Headroom NYAA Average Demand

WCP WAFU DYCP WAFU DYAA WAFU NYAA WAFU

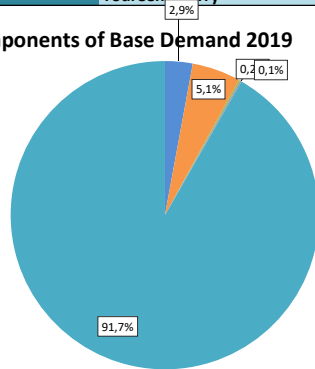
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	3
Non-Domestic Demand (m³/day)	6
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	103
Demand (m³/day)	112

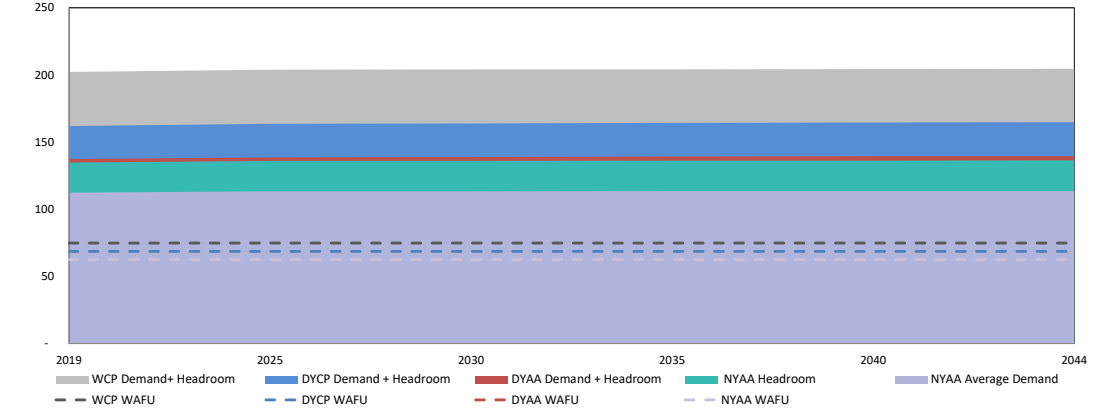
Components of Base Demand 2019



■ 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

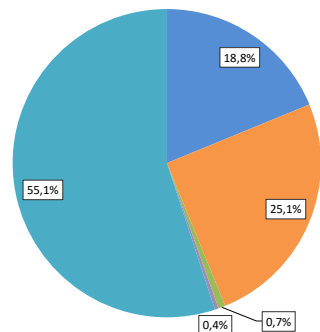
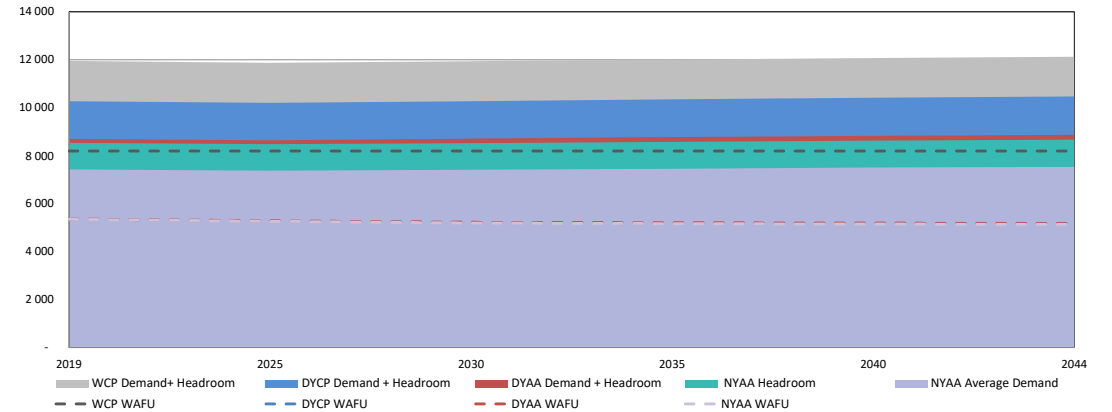


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	112	22	135	137	162	202
2025	113	23	136	139	164	204
2030	113	23	136	139	164	204
2035	113	23	136	139	164	204
2040	114	23	136	140	165	204
2044	114	23	136	140	165	205

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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		

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

 m^3/day 

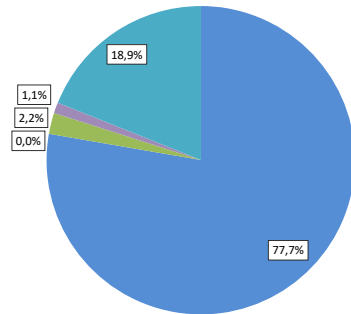
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	5 355	5 364	5 364	8 200 -	3 185 -	3 336 -	4 901 -	3 75	
2025	5 269	5 292	5 292	8 200 -	3 209 -	3 357 -	4 914 -	3 66	
2030	5 198	5 231	5 231	8 200 -	3 330 -	3 478 -	5 046 -	3 73	
2035	5 176	5 213	5 213	8 200 -	3 401 -	3 558 -	5 136 -	3 80	
2040	5 157	5 197	5 197	8 200 -	3 470 -	3 636 -	5 223 -	3 87	
2044	5 141	5 184	5 184	8 200 -	3 526 -	3 690 -	5 293 -	3 93	

WRZ CODE	0500SC0144	WRZ Name	Kilbrin Garran an Darra	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	13
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	3
Demand (m³/day)	16

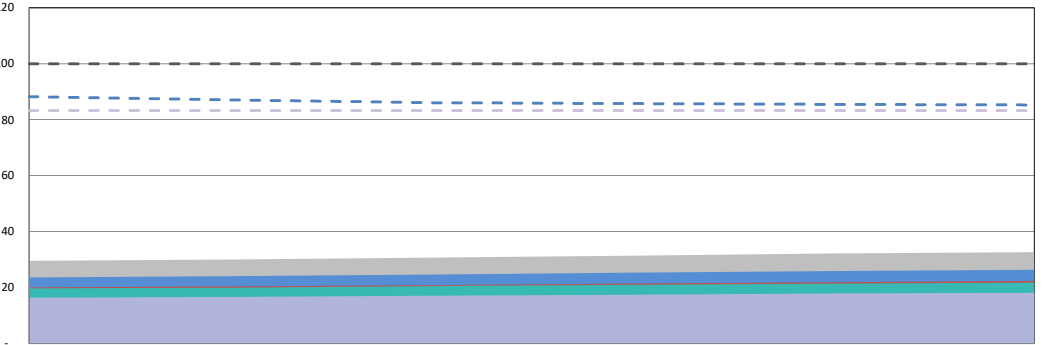
Components of Base Demand 2019



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

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

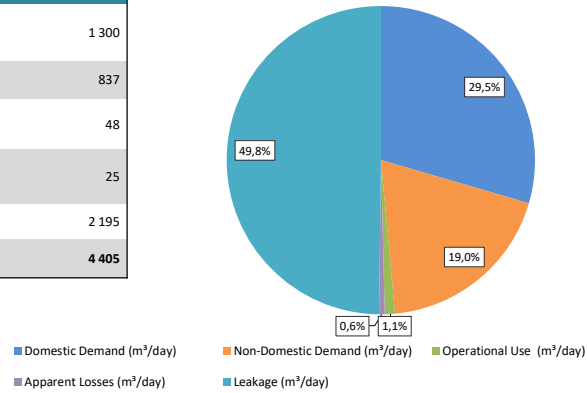
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

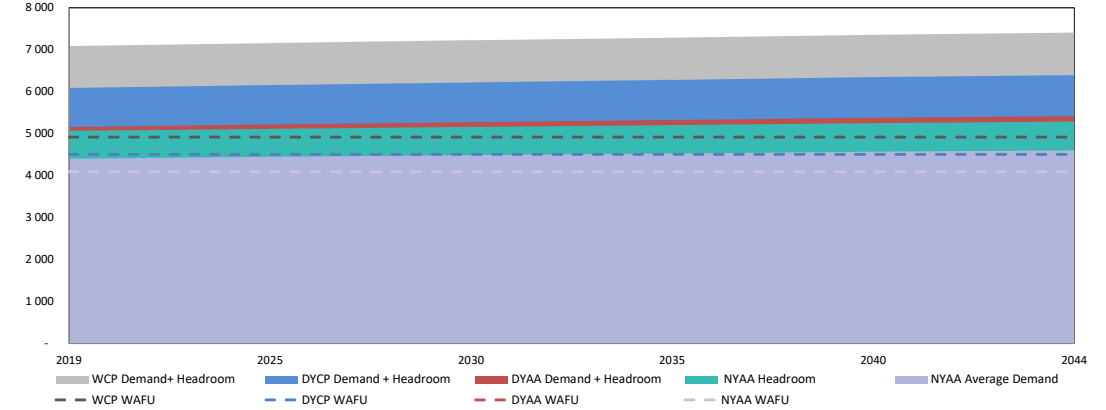
Base Demand in	2019
Domestic Demand (m³/day)	1 300
Non-Domestic Demand (m³/day)	837
Operational Use (m³/day)	48
Apparent Losses (m³/day)	25
Leakage (m³/day)	2 195
Demand (m³/day)	4 405

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

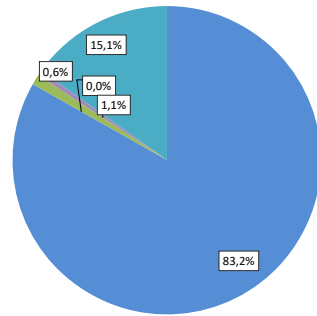
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	0500SC0147	WRZ Name	Ratharoon	Study Area	I	Study Group		Local Authority	Cork

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

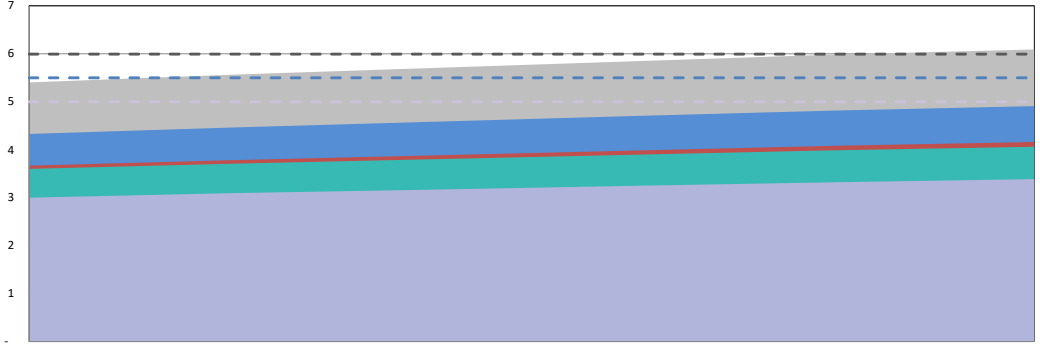
Components of Base Demand 2019



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

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m 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

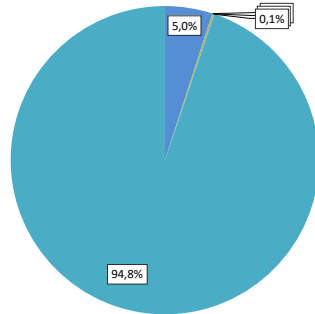
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000655	Ratharoon 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

Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	42
Demand (m³/day)	44

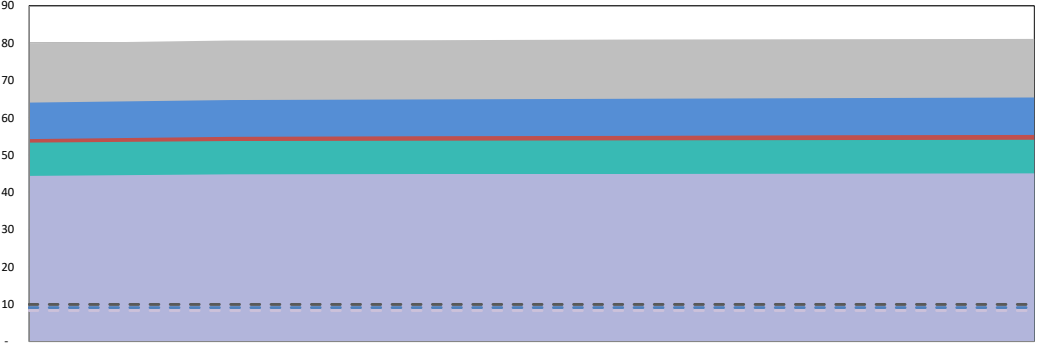
Components of Base Demand 2019



■ 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



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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

2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom
WCP WAFU

DYCP Demand + Headroom
DYCP WAFU

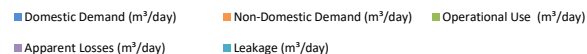
DYAA Demand + Headroom
DYAA WAFU

NYAA Headroom
NYAA WAFU

NYAA Average Demand

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
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	

WRZ CODE	0500SC0155	WRZ Name	Cape Clear	Study Area	I	Study Group		Local Authority	Cork



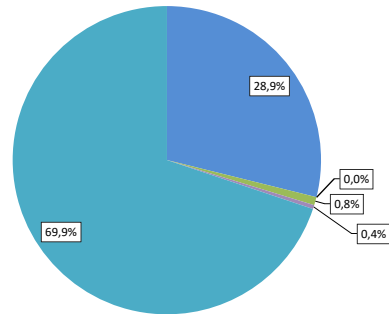
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	42	8	50	51	61	70
2025	42	8	50	51	60	70
2030	42	8	51	52	61	70
2035	43	9	52	53	62	71
2040	44	9	52	54	63	71
2044	44	9	53	54	64	72

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)		
2019	78	78	78	300	28	27	18	224		
2025	77	77	77	300	27	27	17	225		
2030	76	77	77	300	25	25	15	224		
2035	76	76	76	300	24	24	14	223		
2040	75	76	76	300	23	22	13	223		
2044	75	76	76	300	22	21	12	220		

WRZ CODE	0500SC0157	WRZ Name	Bilberry	Study Area	I	Study Group		Local Authority	Cork

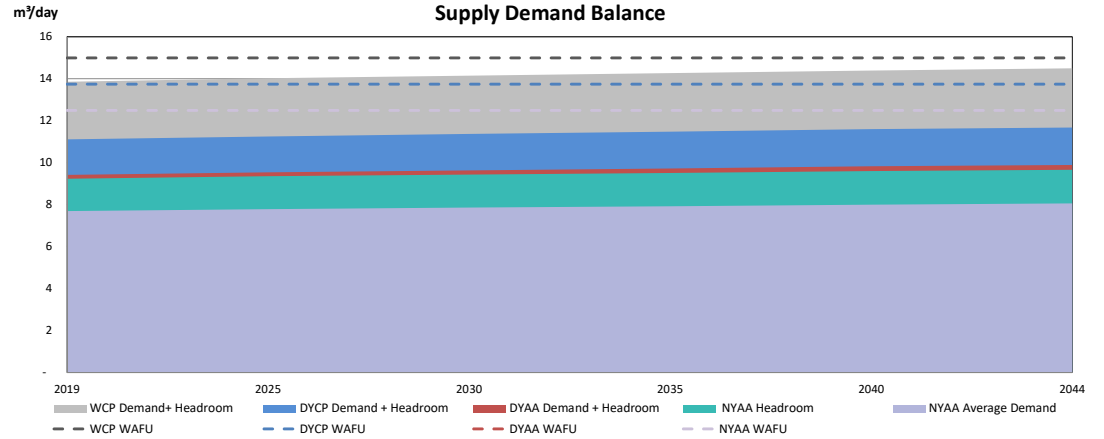
Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	5
Demand (m³/day)	8

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

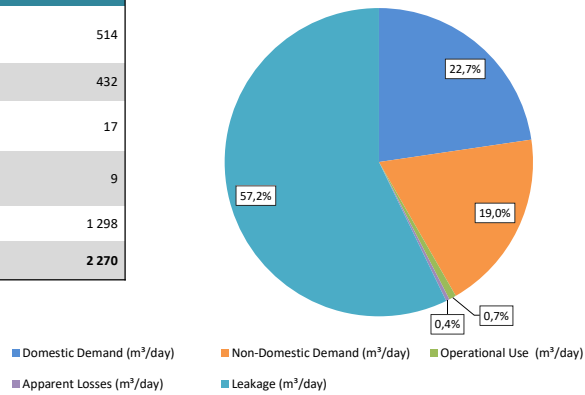
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

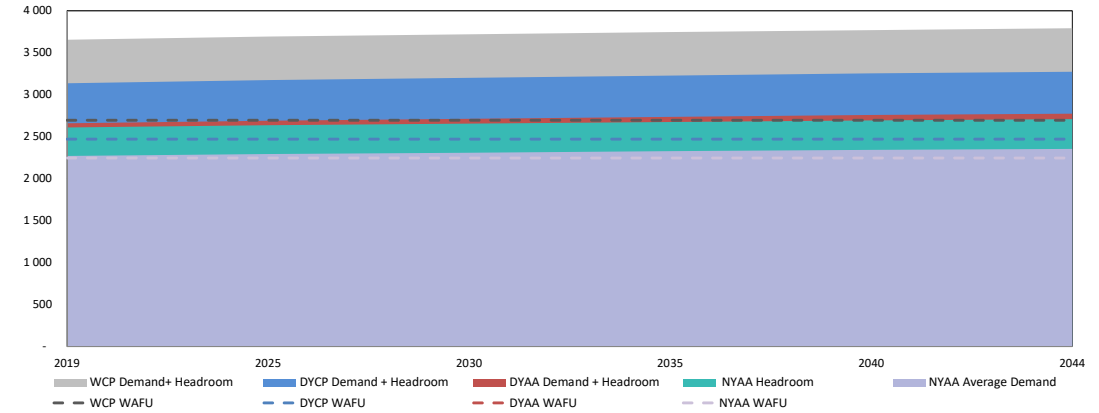
Base Demand in	2019
Domestic Demand (m³/day)	514
Non-Domestic Demand (m³/day)	432
Operational Use (m³/day)	17
Apparent Losses (m³/day)	9
Leakage (m³/day)	1 298
Demand (m³/day)	2 270

Components of Base Demand 2019



m³/day

Supply Demand Balance

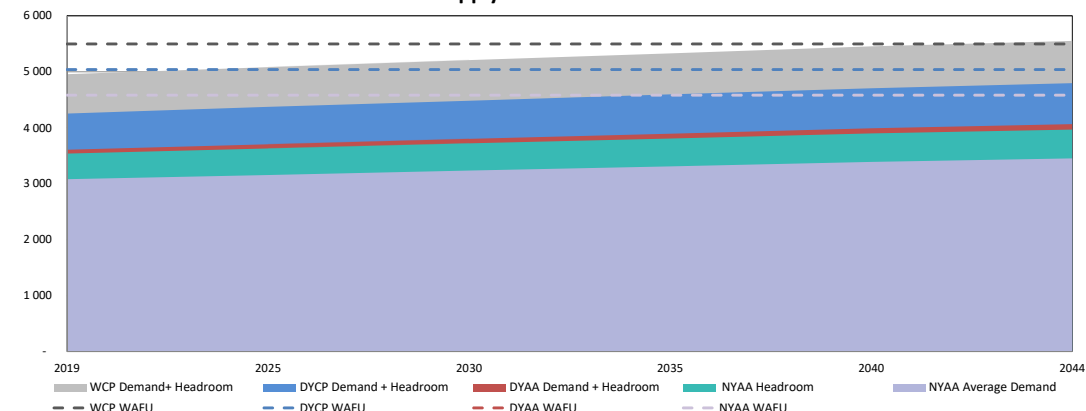
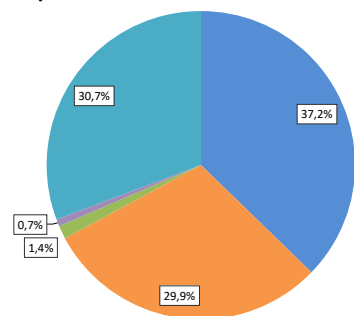


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	2 270	341	2 611	2 659	3 138	3 655
2025	2 295	344	2 639	2 692	3 177	3 695
2030	2 311	347	2 657	2 714	3 202	3 720
2035	2 327	349	2 676	2 736	3 228	3 746
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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	2 250	2 250	2 475	2 700	-	361	-	95	
2025	2 250	2 250	2 475	2 700	-	389	-	99	
2030	2 250	2 250	2 475	2 700	-	407	-	1 02	
2035	2 250	2 250	2 475	2 700	-	426	-	1 04	
2040	2 250	2 250	2 475	2 700	-	444	-	1 07	
2044	2 250	2 250	2 475	2 700	-	459	-	1 09	

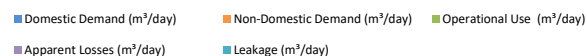
Base Demand in	2019
Domestic Demand (m ³ /day)	1 146
Non-Domestic Demand (m ³ /day)	920
Operational Use (m ³ /day)	43
Apparent Losses (m ³ /day)	22
Leakage (m ³ /day)	946
Demand (m³/day)	3 078



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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	-	

WRZ CODE	0500SC0161	WRZ Name	Tibbotstown	Study Area	I	Study Group		Local Authority	Cork



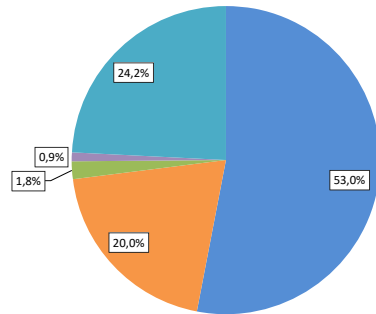
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	3 182	477	3 659	3 728	4 399	5 123
2025	3 303	495	3 798	3 875	4 572	5 318
2030	3 409	511	3 920	4 004	4 724	5 488
2035	3 515	527	4 042	4 133	4 877	5 659
2040	3 620	543	4 164	4 263	5 029	5 829
2044	3 705	556	4 261	4 362	5 150	5 965

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)	
2019		620	466	466	466	7 200 -		3 039 -		3 262 -		3 932		2 077		2 077
2025		594	449	449	449	7 200 -		3 204 -		3 426 -		4 123		1 882		1 882
2030		572	434	434	434	7 200 -		3 348 -		3 570 -		4 290		1 712		1 712
2035		565	429	429	429	7 200 -		3 476 -		3 704 -		4 447		1 541		1 541
2040		559	425	425	425	7 200 -		3 604 -		3 837 -		4 603		1 371		1 371
2044		555	422	422	422	7 200 -		3 706 -		3 940 -		4 728		1 235		1 235

WRZ CODE	0500SC0162	WRZ Name	Mogeely	Study Area	I	Study Group	Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	388
Non-Domestic Demand (m³/day)	146
Operational Use (m³/day)	13
Apparent Losses (m³/day)	7
Leakage (m³/day)	177
Demand (m³/day)	731

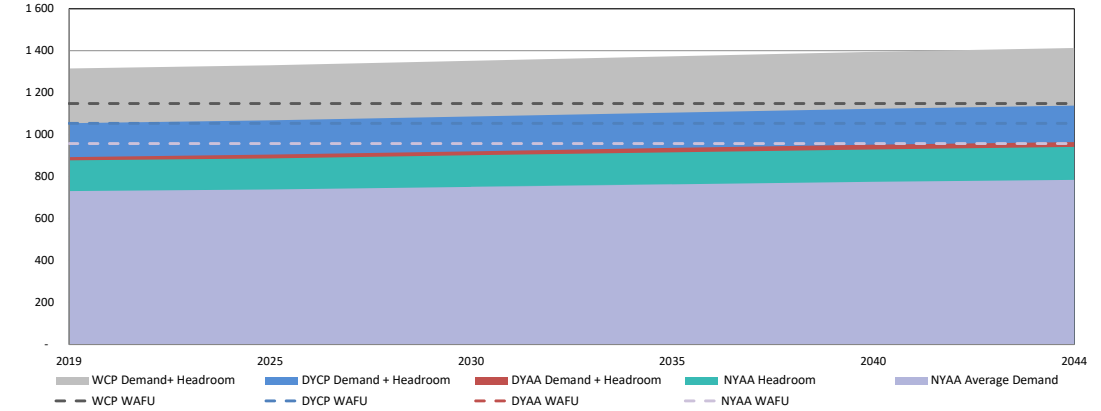
Components of Base Demand 2019



■ 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



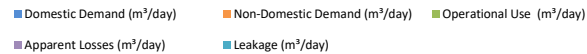
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	731	146	877	894	1 055	1 316
2025	739	148	887	905	1 068	1 331
2030	751	150	902	921	1 087	1 353
2035	763	153	916	937	1 105	1 374
2040	775	155	930	953	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 (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
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	

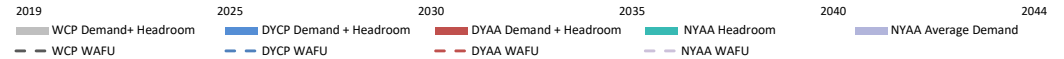
Year	WAFU				Supply Demand Balance				
	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	958	958	1 054	1 150	81	64 -	1 -	16	
2025	958	958	1 054	1 150	71	53 -	14 -	18	
2030	958	958	1 054	1 150	57	37 -	32 -	20	
2035	958	958	1 054	1 150	42	22 -	51 -	22	
2040	958	958	1 054	1 150	28	6 -	70 -	24	
2044	958	958	1 054	1 150	16 -	6 -	85 -	26	

WRZ CODE	0500SC0165	WRZ Name	Strawhall	Study Area	J	Study Group		Local Authority	Cork

Components of Base Demand 2019



Supply Demand Balance

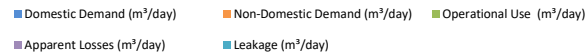


Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000771	Strawhall Public WTP	30	25	28	No Licence	29	22Hr	28	-	28	
TOTAL		30	25	28	-	29		28	-	28	

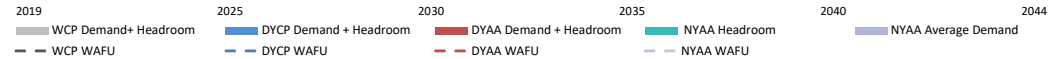
Year	WAFU					Supply Demand Balance				
	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	25	25	28	30	18	18	19	19		
2025	25	25	28	30	18	18	19	19		
2030	25	25	28	30	18	18	19	19		
2035	25	25	28	30	18	17	19	19		
2040	25	25	28	30	18	17	18	18		
2044	25	25	28	30	17	17	18	18		

WRZ CODE	0500SC0166	WRZ Name	Knoppogue	Study Area	J	Study Group		Local Authority	Cork

Components of Base Demand 2019



Supply Demand Balance



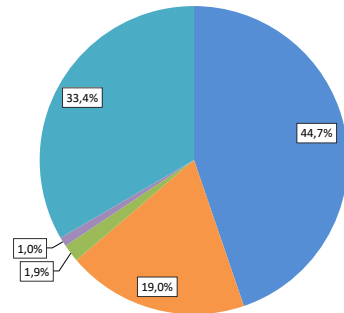
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	42	42	46	50	32	31	34	3
2025	42	42	46	50	32	31	34	3
2030	42	42	46	50	31	31	33	3
2035	42	42	46	50	31	31	33	3
2040	42	42	46	50	31	31	33	3
2044	42	42	46	50	31	30	33	3

WRZ CODE	0500SC0168	WRZ Name	Coppeen	Study Area	I	Study Group		Local Authority	Cork

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

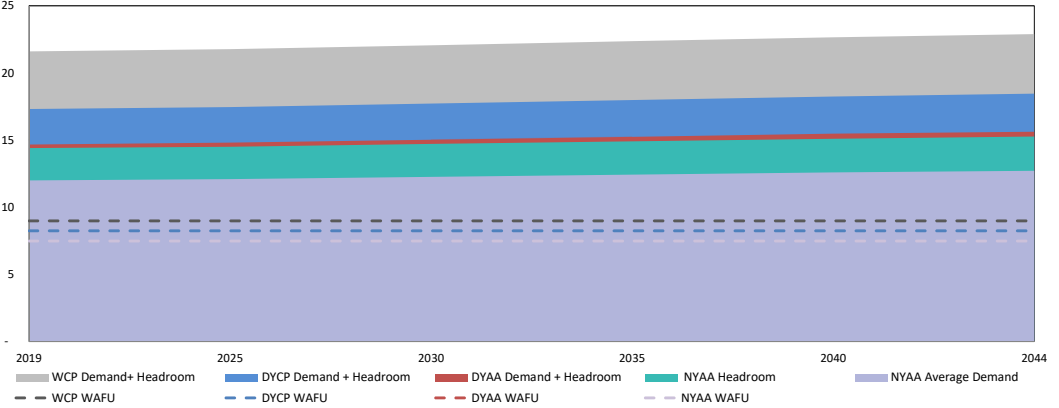
Components of Base Demand 2019



■ 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	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

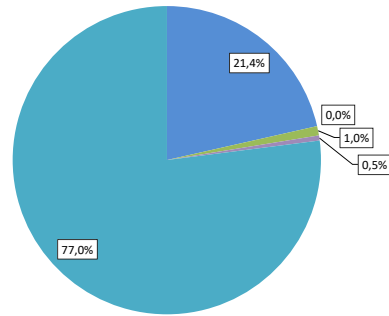
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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	9 -	7 -	7 -	9 -	13
2025	8	8	8	9 -	7 -	7 -	9 -	13
2030	8	8	8	9 -	7 -	8 -	9 -	13
2035	8	8	8	9 -	7 -	8 -	10 -	13
2040	8	8	8	9 -	8 -	8 -	10 -	14
2044	8	8	8	9 -	8 -	8 -	10 -	14

WRZ CODE	0500SC0169	WRZ Name	Johnstown	Study Area	I	Study Group		Local Authority	Cork

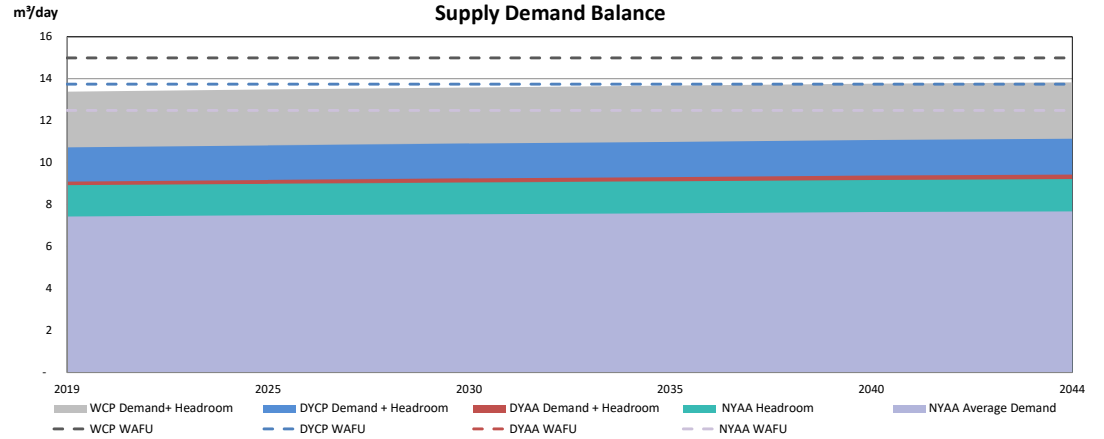
Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	6
Demand (m³/day)	7

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

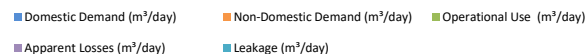


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	7	1	9	9	11	13
2025	7	1	9	9	11	13
2030	8	2	9	9	11	14
2035	8	2	9	9	11	14
2040	8	2	9	9	11	14
2044	8	2	9	9	11	14

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	Cluain Court Allihies	Study Area	I	Study Group		Local Authority	Cork



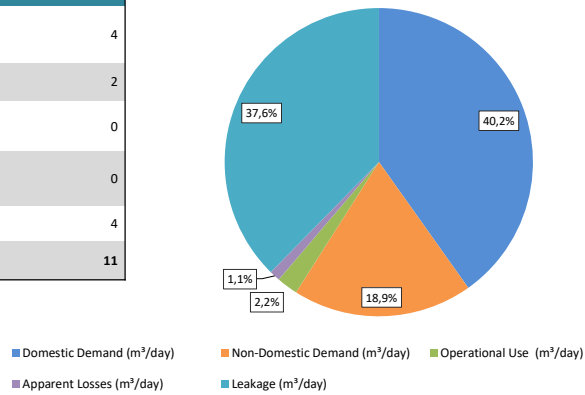
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

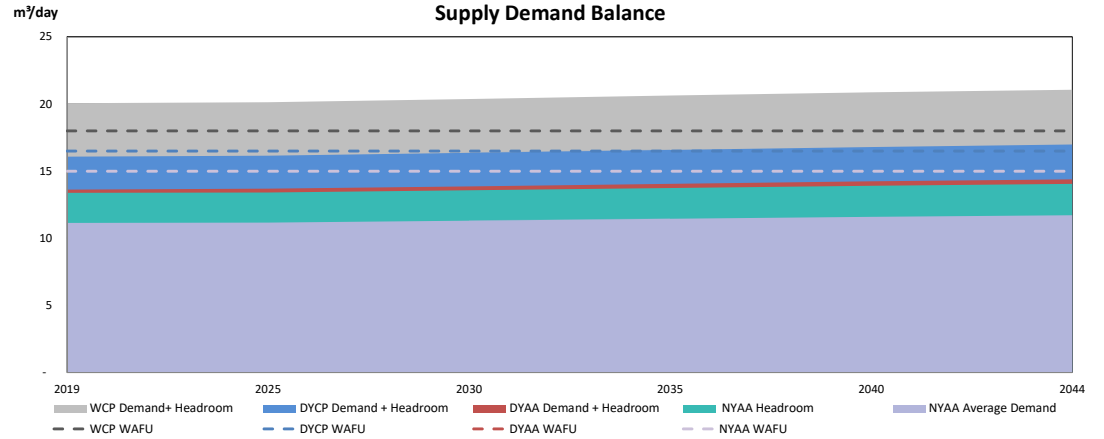
WRZ CODE	0500SC0171	WRZ Name	Knockburden	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	4
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	4
Demand (m³/day)	11

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	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

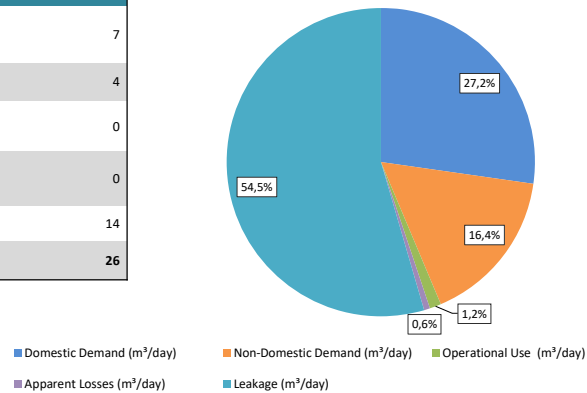
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

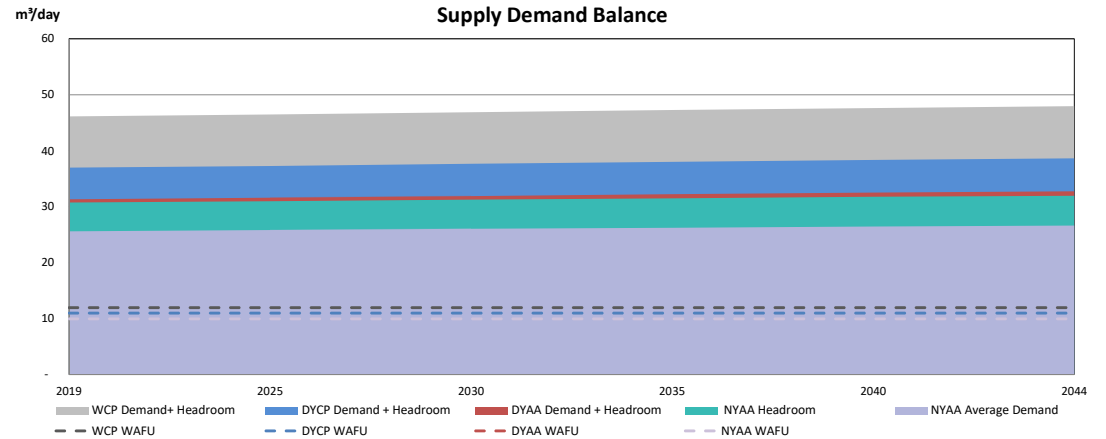
WRZ CODE	0500SC0172	WRZ Name	Ballyshoneen	Study Area	I	Study Group	Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	7
Non-Domestic Demand (m³/day)	4
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	14
Demand (m³/day)	26

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	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

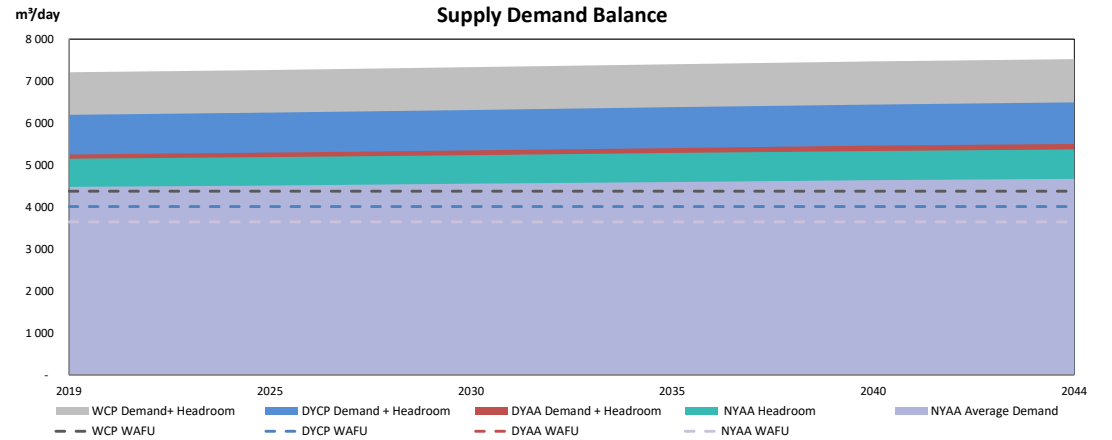
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

Base Demand in	2019
Domestic Demand (m ³ /day)	1 344
Non-Domestic Demand (m ³ /day)	1 148
Operational Use (m ³ /day)	61
Apparent Losses (m ³ /day)	32
Leakage (m ³ /day)	1 897
Demand (m³/day)	4 482

A pie chart showing the distribution of responses for the statement 'The company is not interested in the environment'. The chart is divided into five segments: a large blue segment (42,3%), a large orange segment (30,0%), a medium green segment (25,6%), a small purple segment (1,4%), and a very small red segment (0,7%).

Response	Percentage
Yes	42,3%
No	30,0%
Don't know	25,6%
Other	1,4%
Refuse to answer	0,7%



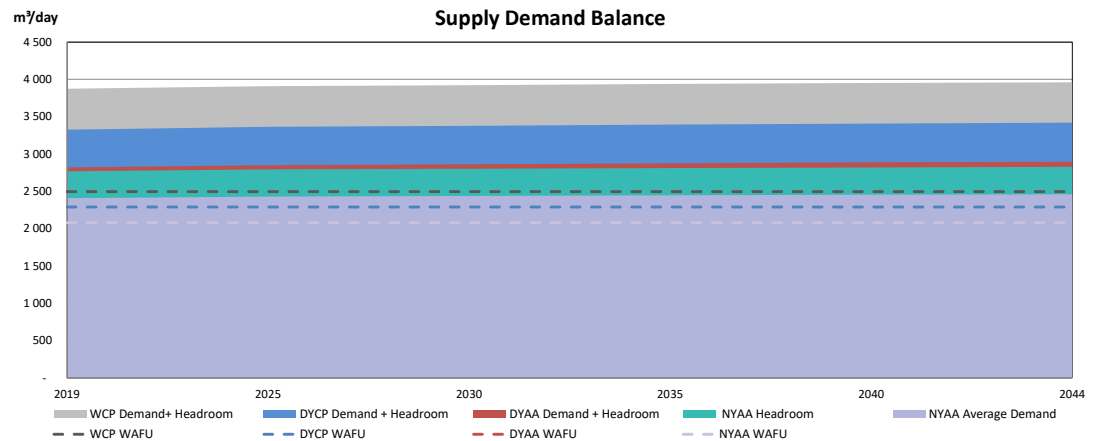
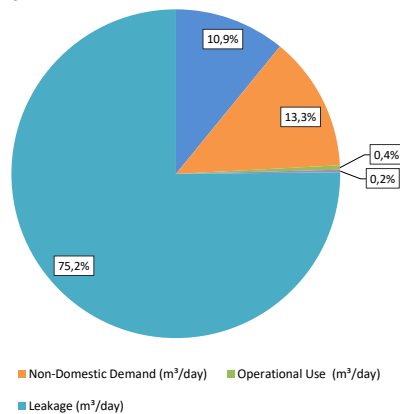
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments 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)
2019	3 649	3 649	4 014	4 379 -	1 505 -	1 601 -	2 181 -	2 831 -
2025	3 649	3 649	4 014	4 379 -	1 543 -	1 647 -	2 235 -	2 891 -
2030	3 649	3 649	4 014	4 379 -	1 591 -	1 702 -	2 300 -	2 951 -
2035	3 649	3 649	4 014	4 379 -	1 639 -	1 758 -	2 366 -	3 021 -
2040	3 649	3 649	4 014	4 379 -	1 686 -	1 813 -	2 430 -	3 091 -
2044	3 649	3 649	4 014	4 379 -	1 725 -	1 853 -	2 482 -	3 141 -

WRZ CODE	0500SC0175	WRZ Name	Glanworth /Ballykenley/Johnstown	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	263
Non-Domestic Demand (m³/day)	319
Operational Use (m³/day)	10
Apparent Losses (m³/day)	5
Leakage (m³/day)	1 810
Demand (m³/day)	2 408

Components of Base Demand 2019



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	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 (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
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	

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)		
2019	2 083	2 083	2 292	2 500	685	737	1 036	1 376		
2025	2 083	2 083	2 292	2 500	711	768	1 072	1 413		
2030	2 083	2 083	2 292	2 500	721	781	1 088	1 426		
2035	2 083	2 083	2 292	2 500	730	794	1 103	1 439		
2040	2 083	2 083	2 292	2 500	739	807	1 118	1 452		
2044	2 083	2 083	2 292	2 500	747	814	1 130	1 462		

WRZ CODE	0500SC0176	WRZ Name	Fermoy	Study Area	J	Study Group		Local Authority	Cork



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



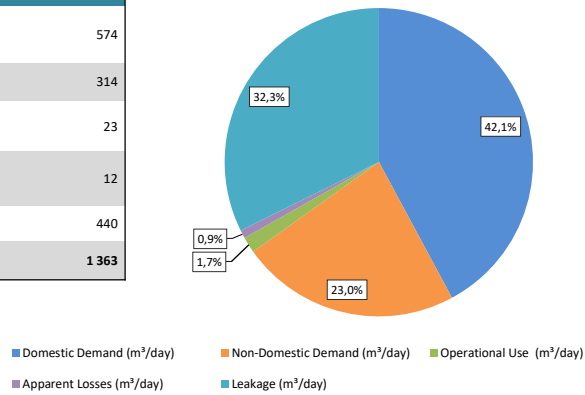
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	3 512	527	4 038	4 114	4 854	5 650
2025	3 546	532	4 078	4 160	4 909	5 700
2030	3 579	537	4 115	4 203	4 960	5 760
2035	3 611	542	4 153	4 247	5 011	5 810
2040	3 644	547	4 190	4 290	5 061	5 860
2044	3 670	550	4 220	4 321	5 101	5 900

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)	
2019	3 500	3 500	3 850	4 200 -	538 -	614 -	1 004 -	1 450 -	
2025	3 500	3 500	3 850	4 200 -	578 -	660 -	1 059 -	1 500 -	
2030	3 500	3 500	3 850	4 200 -	615 -	703 -	1 110 -	1 560 -	
2035	3 500	3 500	3 850	4 200 -	653 -	747 -	1 161 -	1 610 -	
2040	3 500	3 500	3 850	4 200 -	690 -	790 -	1 211 -	1 660 -	
2044	3 500	3 500	3 850	4 200 -	720 -	821 -	1 251 -	1 700 -	

WRZ CODE	0500SC0177	WRZ Name	Macroom	Study Area	I	Study Group		Local Authority	Cork

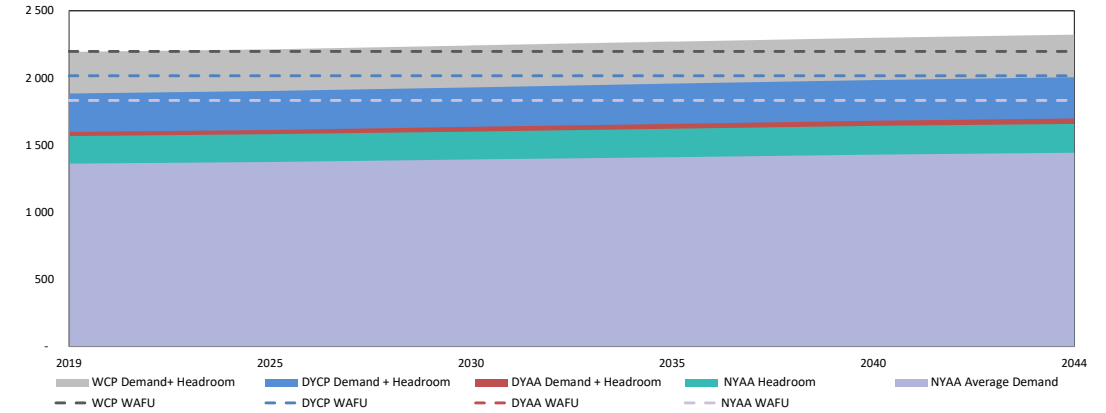
Base Demand in	2019
Domestic Demand (m³/day)	574
Non-Domestic Demand (m³/day)	314
Operational Use (m³/day)	23
Apparent Losses (m³/day)	12
Leakage (m³/day)	440
Demand (m³/day)	1 363

Components of Base Demand 2019



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	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

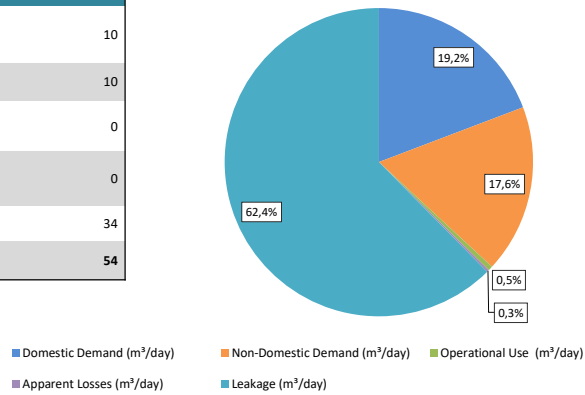
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	Coolyhane	Study Area	I	Study Group	Local Authority	Cork

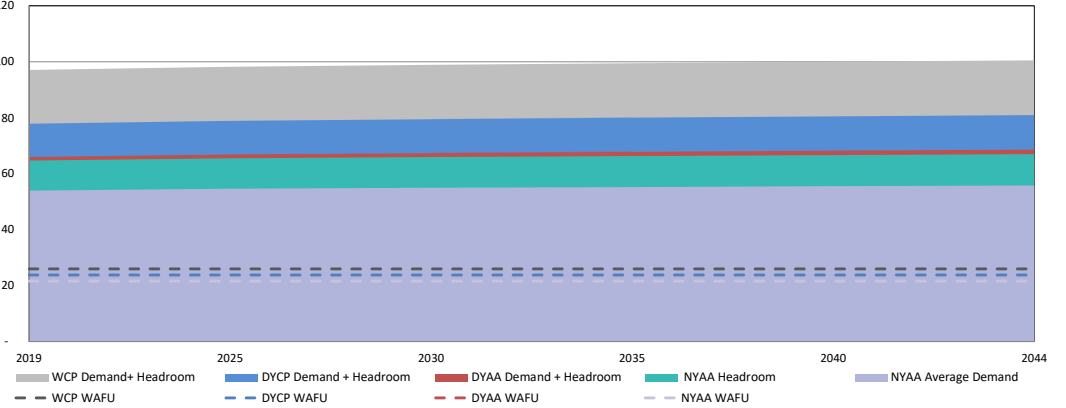
Base Demand in	2019
Domestic Demand (m³/day)	10
Non-Domestic Demand (m³/day)	10
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	34
Demand (m³/day)	54

Components of Base Demand 2019



m³/day

Supply Demand Balance



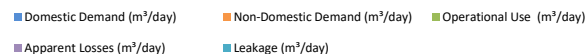
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	54	11	65	66	78	97
2025	55	11	66	67	79	98
2030	55	11	66	67	79	99
2035	55	11	66	68	80	99
2040	56	11	67	68	81	100
2044	56	11	67	69	81	100

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
WTP0000563	Coolehane WTP	26	22	24	No Licence	25	22Hr	24	-	24	
TOTAL		26	22	24	-	25		24	-	24	

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)	
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

Components of Base Demand 2019



Supply Demand Balance



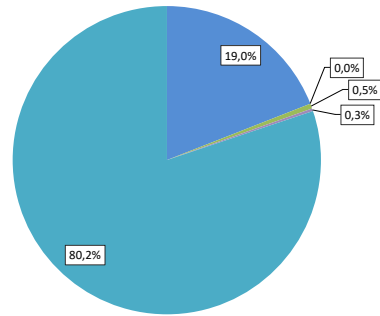
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0001130	Kilnagorteen WTP	18	15	17	No Licence	11	Yield	11	-	11	
TOTAL		18	15	17	-	11		11	-	11	

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)	
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

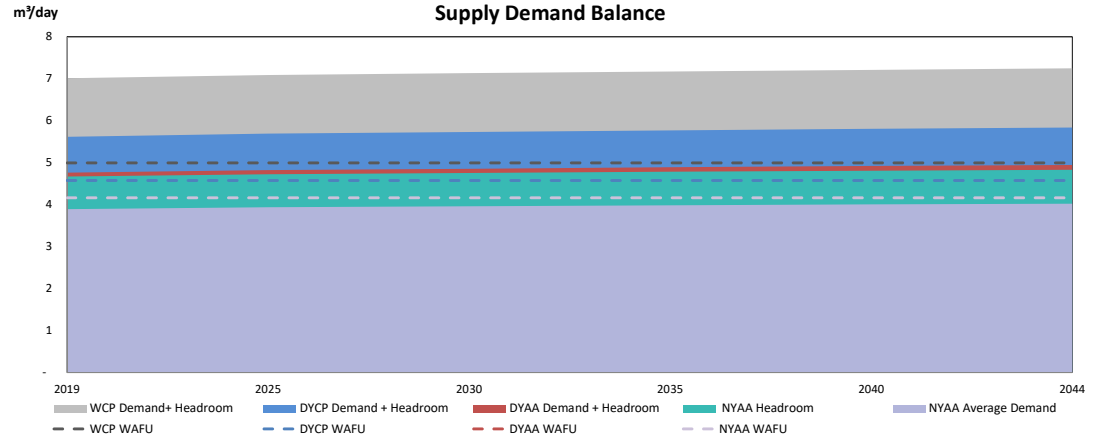
Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	3
Demand (m³/day)	4

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

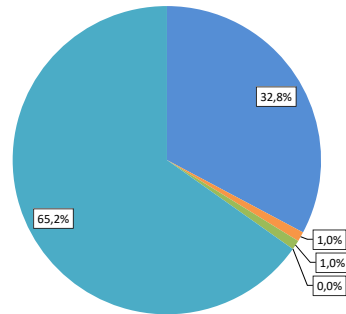
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP1000069	Ballyverane WTP	5	4	5	No Licence	5	22Hr	5	-	5	
TOTAL		5	4	5	-	5		5	-	5	

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)
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

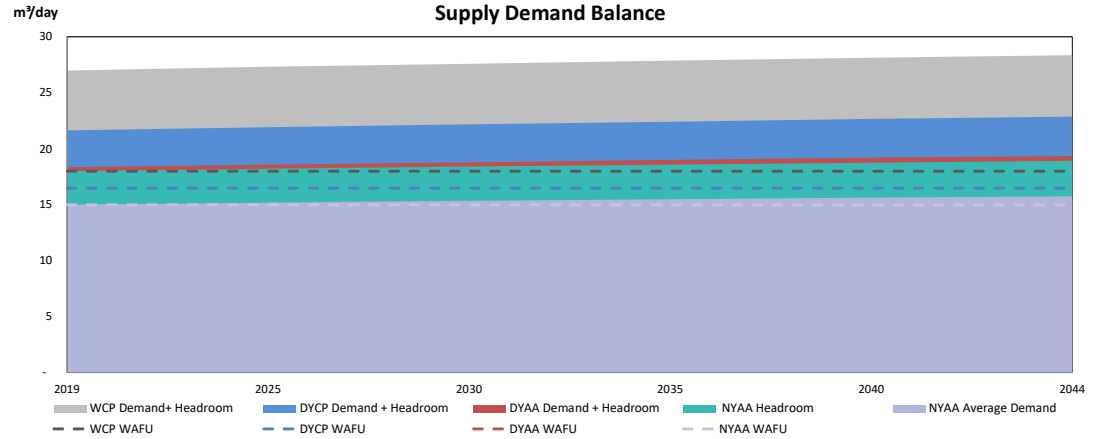
Base Demand in	2019
Domestic Demand (m³/day)	5
Non-Domestic Demand (m³/day)	0
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	10
Demand (m³/day)	15

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

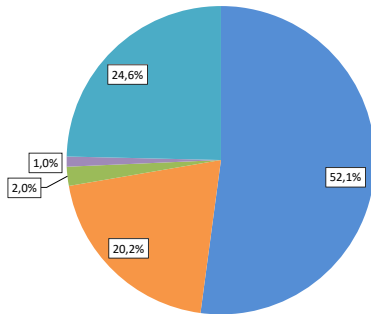
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP1000115	Reenmeen Woods PS WTP	18	15	17	No Licence	24	22Hr	17	-	17	
TOTAL		18	15	17	-	24		17	-	17	

Year	NYAA (m³/day)	DYAA (m³/day)	WAFU	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	15	15	15	17	18	3	3	5	9
2025	15	15	15	17	18	3	4	5	9
2030	15	15	15	17	18	3	4	6	10
2035	15	15	15	17	18	4	4	6	10
2040	15	15	15	17	18	4	4	6	10
2044	15	15	15	17	18	4	4	6	10

WRZ CODE	0500SC0182	WRZ Name	Gortnagreige	Study Area	J	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	85
Non-Domestic Demand (m³/day)	33
Operational Use (m³/day)	3
Apparent Losses (m³/day)	2
Leakage (m³/day)	40
Demand (m³/day)	163

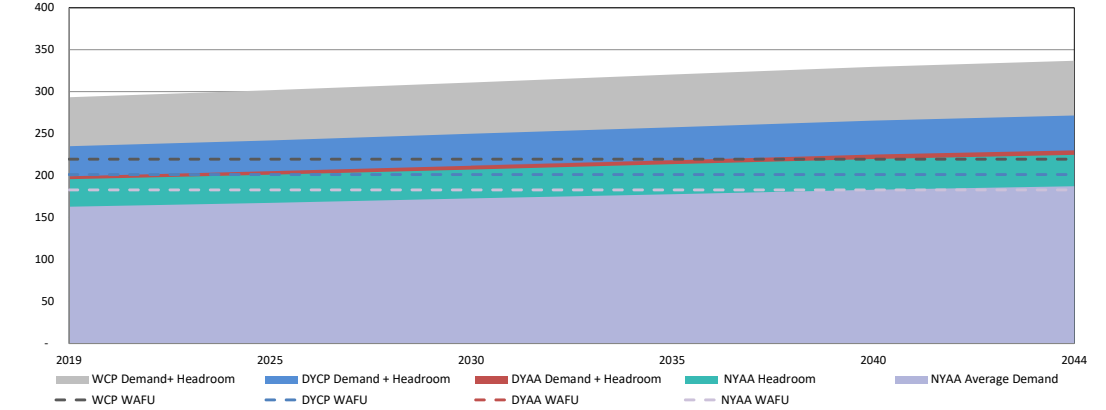
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

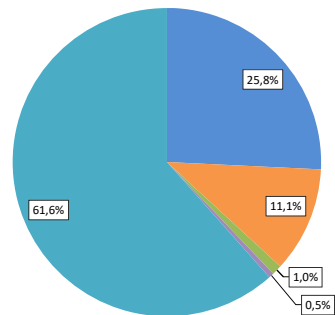
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	183	183	202	220 -	12 -	16 -	34 -	74	
2025	183	183	202	220 -	18 -	22 -	40 -	82	
2030	183	183	202	220 -	24 -	28 -	48 -	91	
2035	183	183	202	220 -	30 -	35 -	56 -	100	
2040	183	183	202	220 -	36 -	42 -	64 -	110	
2044	183	183	202	220 -	41 -	47 -	70 -	117	

WRZ CODE	0500SC0183	WRZ Name	Kealkill	Study Area	I	Study Group		Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	80
Non-Domestic Demand (m³/day)	35
Operational Use (m³/day)	3
Apparent Losses (m³/day)	2
Leakage (m³/day)	192
Demand (m³/day)	312

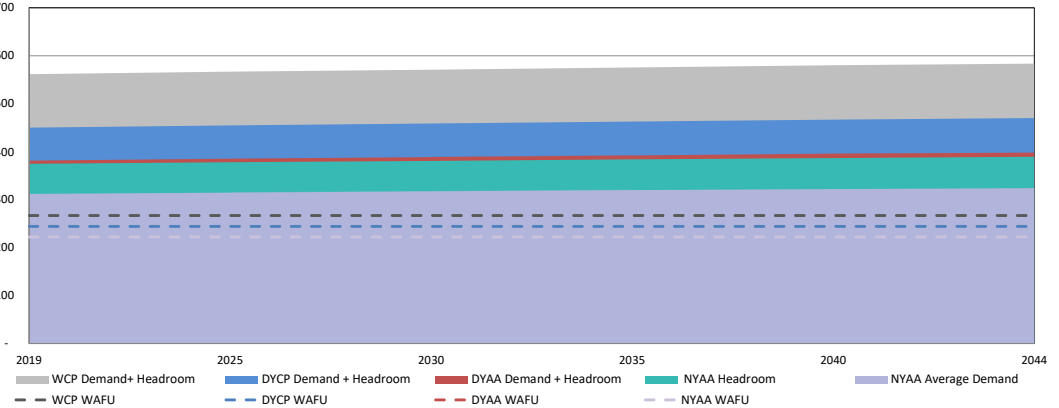
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

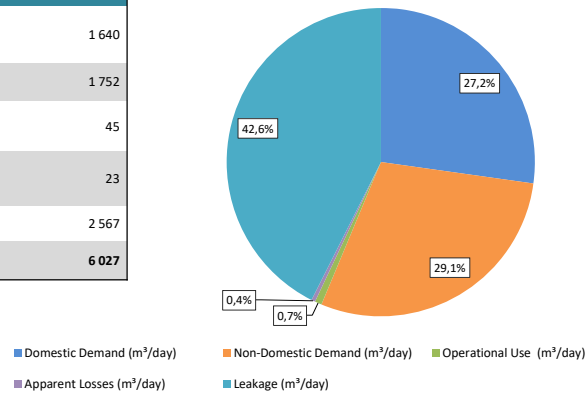
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	223	223	245	267	152	159	205	295	
2025	223	223	245	267	155	163	210	300	
2030	223	223	245	267	158	166	214	304	
2035	223	223	245	267	161	170	218	309	
2040	223	223	245	267	164	173	222	313	
2044	223	223	245	267	167	176	226	317	

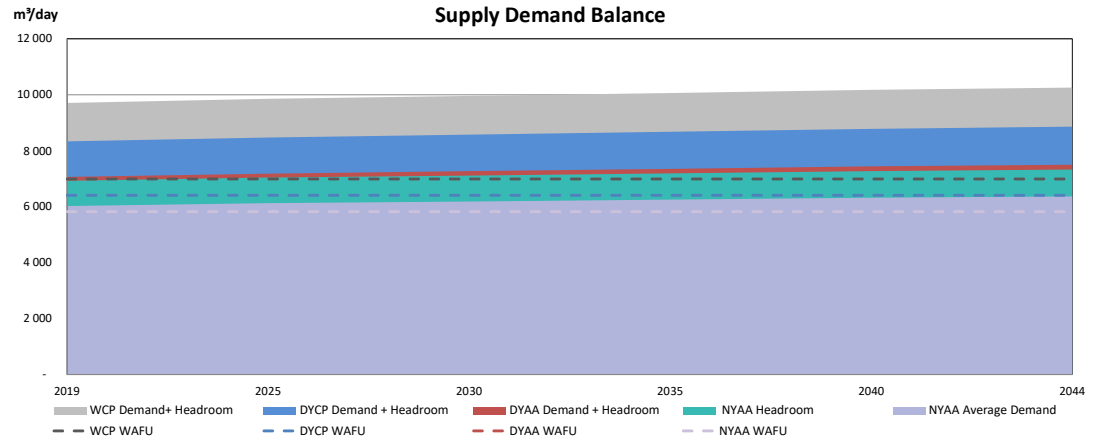
WRZ CODE	0500SC0184	WRZ Name	Whitegate Regional	Study Area	I	Study Group	Local Authority	Cork

Base Demand in	2019
Domestic Demand (m³/day)	1 640
Non-Domestic Demand (m³/day)	1 752
Operational Use (m³/day)	45
Apparent Losses (m³/day)	23
Leakage (m³/day)	2 567
Demand (m³/day)	6 027

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	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	5 833	5 833	6 417	7 000	-	1 098	-	1 227	-	2 703
2025	5 833	5 833	6 417	7 000	-	1 206	-	1 347	-	2 855
2030	5 833	5 833	6 417	7 000	-	1 282	-	1 433	-	2 961
2035	5 833	5 833	6 417	7 000	-	1 358	-	1 520	-	3 067
2040	5 833	5 833	6 417	7 000	-	1 434	-	1 607	-	3 174
2044	5 833	5 833	6 417	7 000	-	1 494	-	1 669	-	3 259

WRZ CODE	0600SC0006	WRZ Name	Rosses	Study Area	A	Study Group		Local Authority	Donegal



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



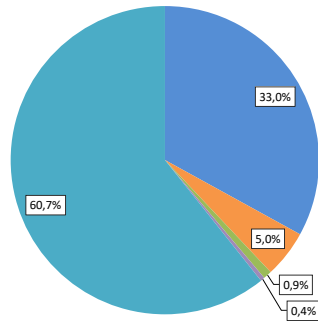
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	4 709	706	5 415	5 517	6 510	7 582
2025	4 678	702	5 380	5 488	6 476	7 532
2030	4 739	711	5 450	5 566	6 568	7 630
2035	4 800	720	5 520	5 645	6 660	7 728
2040	4 861	729	5 590	5 723	6 752	7 826
2044	4 910	736	5 646	5 781	6 825	7 905

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)	
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

Base Demand in	2019
Domestic Demand (m³/day)	131
Non-Domestic Demand (m³/day)	20
Operational Use (m³/day)	4
Apparent Losses (m³/day)	2
Leakage (m³/day)	242
Demand (m³/day)	398

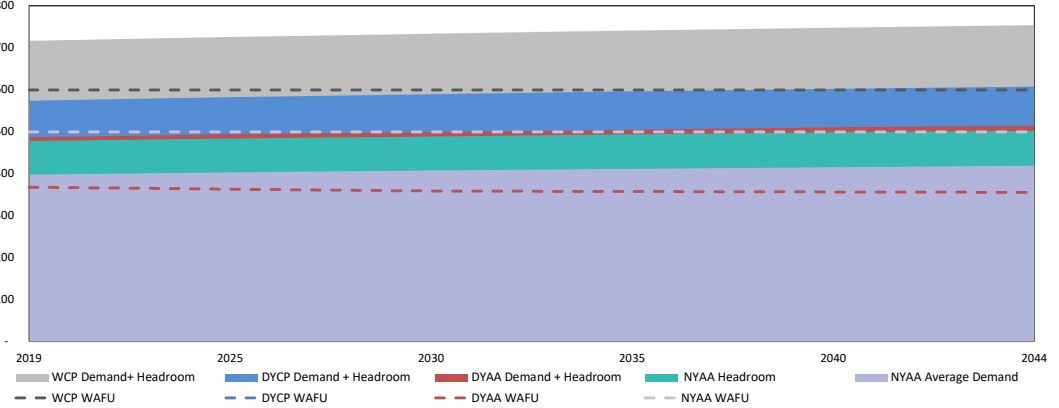
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



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



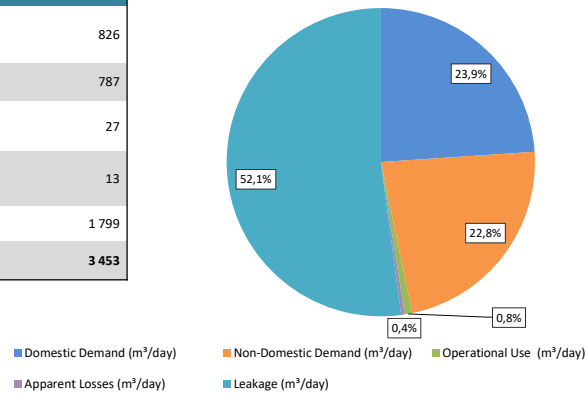
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	3 201	480	3 681	3 750	4 425	5 155
2025	3 238	486	3 724	3 799	4 483	5 211
2030	3 261	489	3 750	3 830	4 520	5 255
2035	3 284	493	3 777	3 862	4 557	5 288
2040	3 307	496	3 803	3 894	4 594	5 322
2044	3 326	499	3 825	3 916	4 623	5 355

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)	
2019	5 667		5 667		6 233		6 800		1 986		1 917		1 809		1 640	
2025	5 667		5 667		6 233		6 800		1 943		1 868		1 751		1 580	
2030	5 667		5 667		6 233		6 800		1 916		1 836		1 714		1 540	
2035	5 667		5 667		6 233		6 800		1 890		1 805		1 676		1 510	
2040	5 667		5 667		6 233		6 800		1 863		1 773		1 640		1 470	
2044	5 667		5 667		6 233		6 800		1 842		1 751		1 610		1 440	

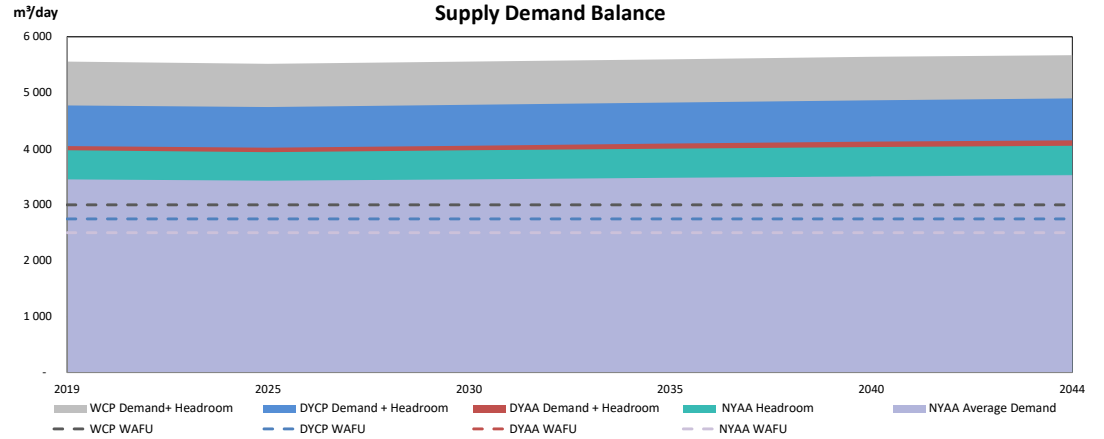
WRZ CODE	0600SC0010	WRZ Name	Donegal (River Eske)	Study Area	A	Study Group		Local Authority	Donegal

Base Demand in	2019
Domestic Demand (m³/day)	826
Non-Domestic Demand (m³/day)	787
Operational Use (m³/day)	27
Apparent Losses (m³/day)	13
Leakage (m³/day)	1 799
Demand (m³/day)	3 453

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	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

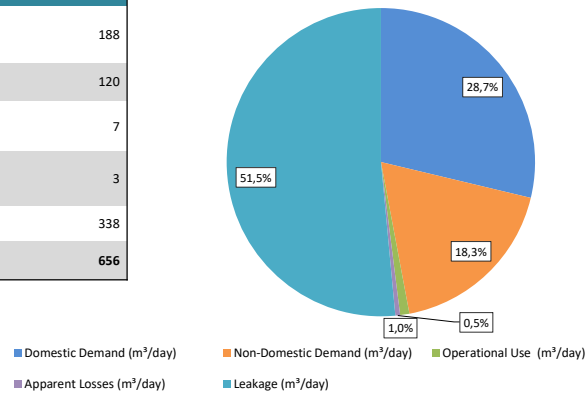
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	2 500	2 500	2 750	3 000	-	1 471	-	2 560	
2025	2 500	2 500	2 750	3 000	-	1 441	-	2 518	
2030	2 500	2 500	2 750	3 000	-	1 471	-	2 559	
2035	2 500	2 500	2 750	3 000	-	1 500	-	2 600	
2040	2 500	2 500	2 750	3 000	-	1 530	-	2 641	
2044	2 500	2 500	2 750	3 000	-	1 553	-	2 674	

WRZ CODE	0600SC0012	WRZ Name	Culdaff	Study Area	A	Study Group	Local Authority	Donegal

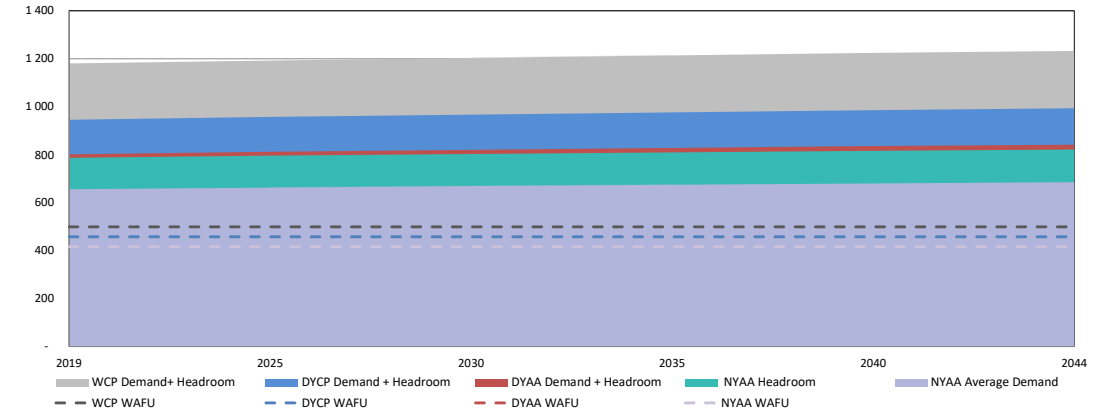
Base Demand in	2019
Domestic Demand (m³/day)	188
Non-Domestic Demand (m³/day)	120
Operational Use (m³/day)	7
Apparent Losses (m³/day)	3
Leakage (m³/day)	338
Demand (m³/day)	656

Components of Base Demand 2019



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	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

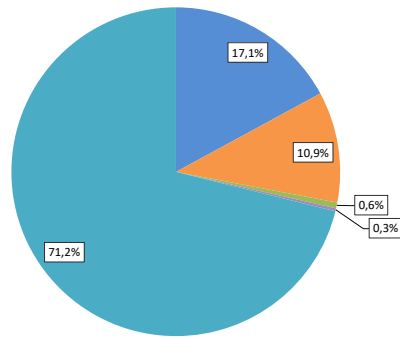
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

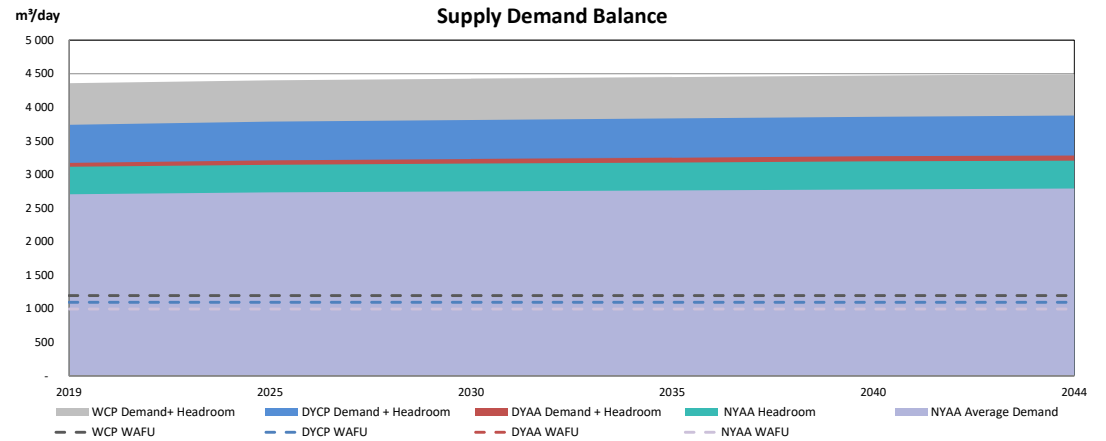
WRZ CODE	0600SC0013	WRZ Name	Owenteskiny	Study Area	A	Study Group		Local Authority	Donegal

Base Demand in	2019
Domestic Demand (m³/day)	463
Non-Domestic Demand (m³/day)	295
Operational Use (m³/day)	16
Apparent Losses (m³/day)	8
Leakage (m³/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)

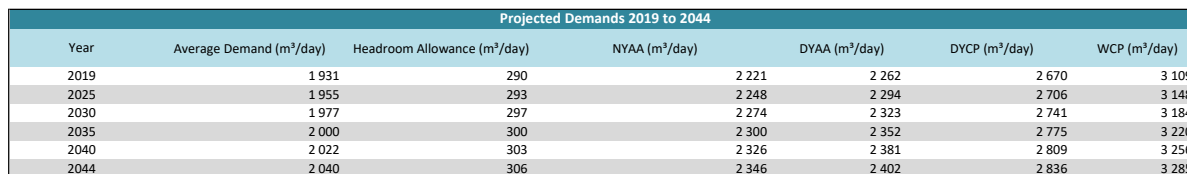
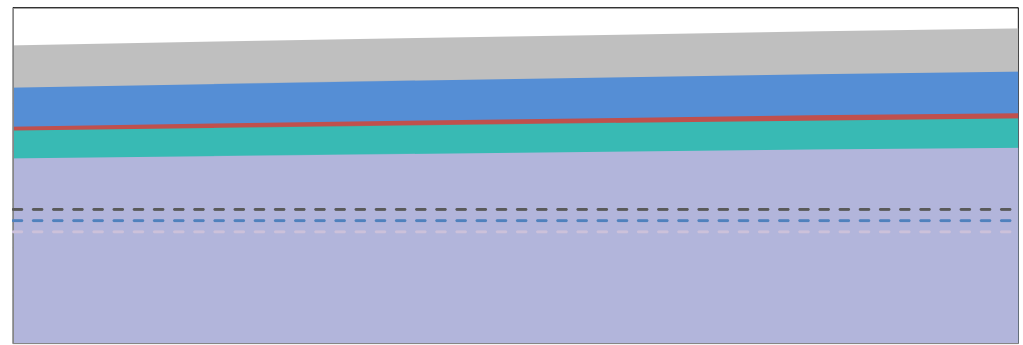
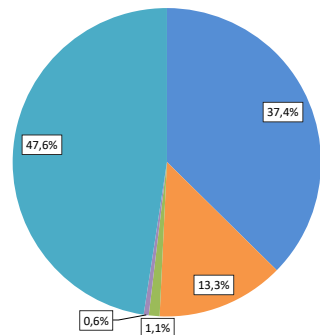


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	2 707	406	3 113	3 172	3 742	4 359
2025	2 735	410	3 145	3 209	3 786	4 403
2030	2 749	412	3 162	3 229	3 810	4 427
2035	2 764	415	3 178	3 250	3 835	4 450
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 (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
WTP0000282	Owenteskna WTP	1 200	1 000	1 100	No Licence	11 417	22Hr	1 100	-	1 100	

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)		
2019	1 000	1 000	1 100	1 200	-	2 113	-	2 172	-	3 159
2025	1 000	1 000	1 100	1 200	-	2 145	-	2 209	-	3 203
2030	1 000	1 000	1 100	1 200	-	2 162	-	2 229	-	3 227
2035	1 000	1 000	1 100	1 200	-	2 178	-	2 250	-	3 250
2040	1 000	1 000	1 100	1 200	-	2 195	-	2 271	-	3 273
2044	1 000	1 000	1 100	1 200	-	2 208	-	2 284	-	3 291

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



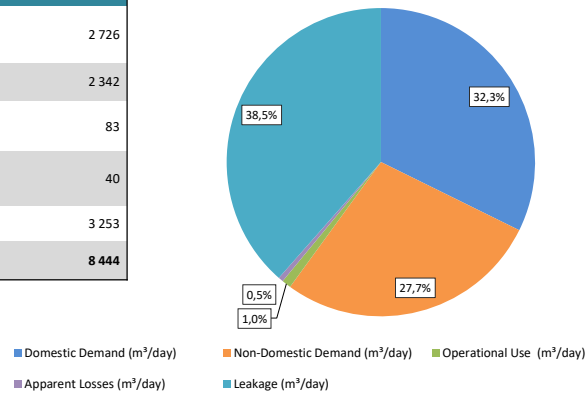
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	1 167	1 167	1 283	1 400 -	1 054 -	1 096 -	1 386 -	1 701	
2025	1 167	1 167	1 283	1 400 -	1 082 -	1 127 -	1 423 -	1 741	
2030	1 167	1 167	1 283	1 400 -	1 107 -	1 156 -	1 457 -	1 781	
2035	1 167	1 167	1 283	1 400 -	1 133 -	1 185 -	1 492 -	1 821	
2040	1 167	1 167	1 283	1 400 -	1 159 -	1 214 -	1 525 -	1 851	
2044	1 167	1 167	1 283	1 400 -	1 179 -	1 235 -	1 553 -	1 881	

WRZ CODE	0600SC0028	WRZ Name	Lough Mourne	Study Area	A	Study Group	Local Authority	Donegal

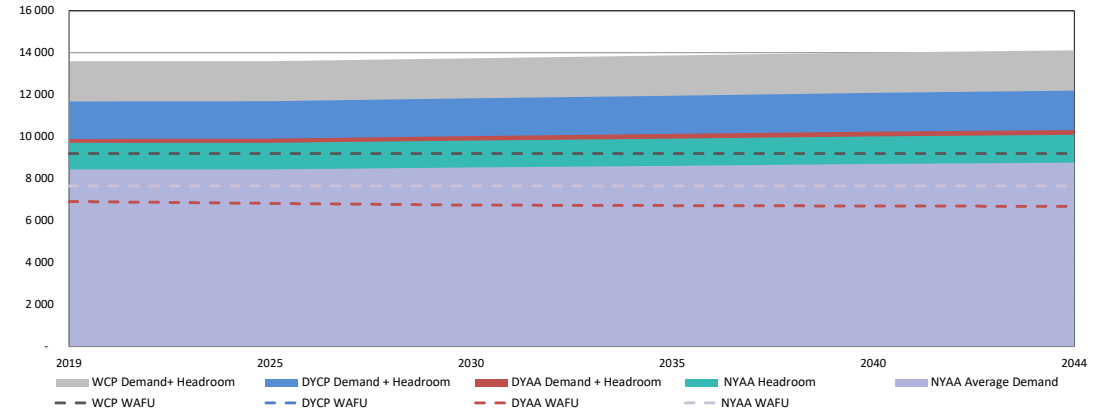
Base Demand in	2019
Domestic Demand (m³/day)	2 726
Non-Domestic Demand (m³/day)	2 342
Operational Use (m³/day)	83
Apparent Losses (m³/day)	40
Leakage (m³/day)	3 253
Demand (m³/day)	8 444

Components of Base Demand 2019



m³/day

Supply Demand Balance

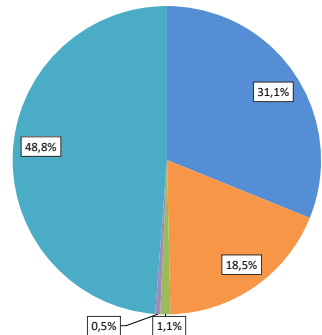
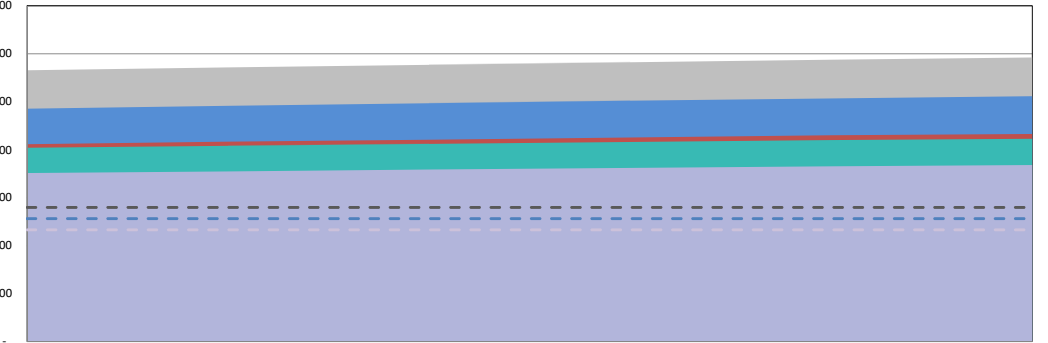


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	8 444	1 267	9 711	9 892	11 672	13 595
2025	8 449	1 267	9 717	9 913	11 696	13 604
2030	8 534	1 280	9 814	10 023	11 827	13 740
2035	8 618	1 293	9 911	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	7 667	6 921	6 921	9 200 -	2 044 -	2 971 -	4 751 -	4 395	
2025	7 667	6 828	6 828	9 200 -	2 050 -	3 085 -	4 868 -	4 404	
2030	7 667	6 750	6 750	9 200 -	2 147 -	3 273 -	5 077 -	4 540	
2035	7 667	6 727	6 727	9 200 -	2 244 -	3 408 -	5 231 -	4 676	
2040	7 667	6 706	6 706	9 200 -	2 342 -	3 541 -	5 382 -	4 812	
2044	7 667	6 689	6 689	9 200 -	2 419 -	3 638 -	5 503 -	4 920	

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

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	1 756	263	2 020	2 057	2 428	2 827
2025	1 775	266	2 041	2 082	2 457	2 856
2030	1 792	269	2 061	2 105	2 483	2 884
2035	1 809	271	2 080	2 127	2 510	2 911
2040	1 826	274	2 100	2 150	2 536	2 939
2044	1 839	276	2 115	2 166	2 557	2 966

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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	1 167	1 167	1 283	1 400 -	853 -	891 -	1 144 -	1 423		
2025	1 167	1 167	1 283	1 400 -	875 -	916 -	1 174 -	1 453		
2030	1 167	1 167	1 283	1 400 -	894 -	938 -	1 200 -	1 483		
2035	1 167	1 167	1 283	1 400 -	913 -	960 -	1 226 -	1 513		
2040	1 167	1 167	1 283	1 400 -	933 -	983 -	1 253 -	1 533		
2044	1 167	1 167	1 283	1 400 -	949 -	999 -	1 273 -	1 563		

WRZ CODE	0600SC0036	WRZ Name	FROSSES-INVER	Study Area	A	Study Group		Local Authority	Donegal



■ 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	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

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)	
2019	1 833	1 603	1 603	2 200 -	485 -	758 -	1 183 -	1 046 -	
2025	1 833	1 582	1 582	2 200 -	511 -	809 -	1 240 -	1 082 -	
2030	1 833	1 564	1 564	2 200 -	532 -	852 -	1 286 -	1 111 -	
2035	1 833	1 558	1 558	2 200 -	553 -	881 -	1 320 -	1 140 -	
2040	1 833	1 554	1 554	2 200 -	574 -	911 -	1 354 -	1 170 -	
2044	1 833	1 550	1 550	2 200 -	590 -	932 -	1 380 -	1 193 -	

WRZ CODE	0600SC0038	WRZ Name	Lettermacaward	Study Area	A	Study Group		Local Authority	Donegal

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

2019 2025 2030 2035 2040 2044

WCP Demand + Headroom DYCP Demand + Headroom DYAA Demand + Headroom NYAA Headroom NYAA Average Demand

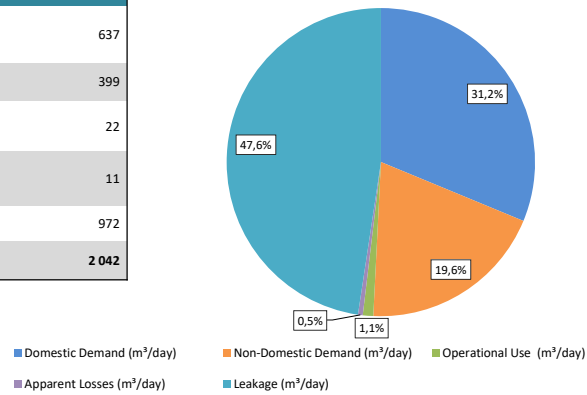
WCP WAFU DYCP WAFU DYAA WAFU NYAA WAFU

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
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	

WRZ CODE	0600SC0039	WRZ Name	Creeslough Dunfanaghy	Study Area	A	Study Group	Local Authority	Donegal

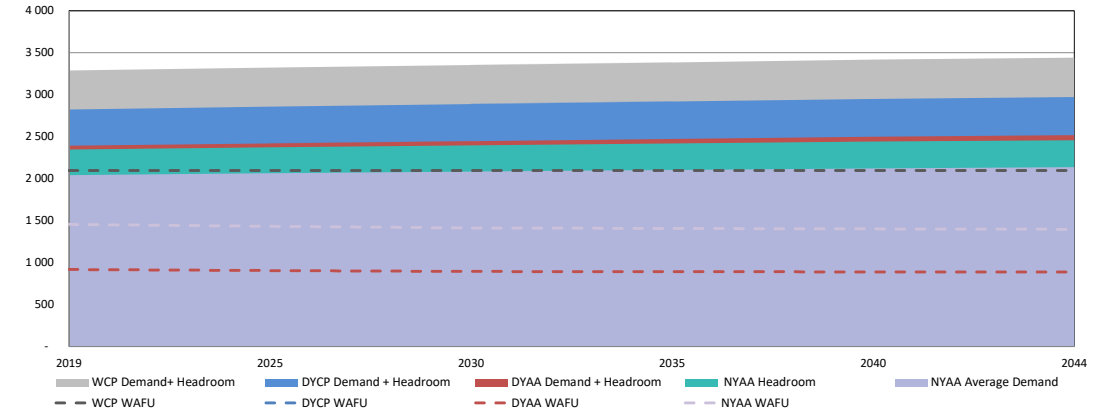
Base Demand in	2019
Domestic Demand (m³/day)	637
Non-Domestic Demand (m³/day)	399
Operational Use (m³/day)	22
Apparent Losses (m³/day)	11
Leakage (m³/day)	972
Demand (m³/day)	2 042

Components of Base Demand 2019



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	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

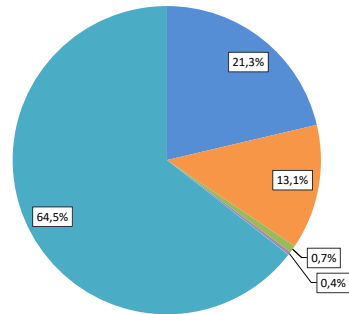
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000640	Creeslough (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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

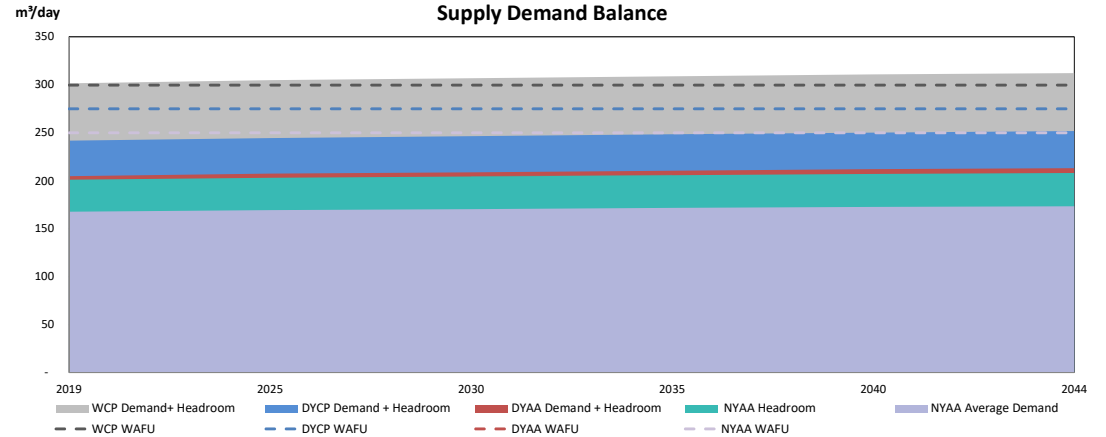
Base Demand in	2019
Domestic Demand (m ³ /day)	36
Non-Domestic Demand (m ³ /day)	22
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	1
Leakage (m ³ /day)	108
Demand (m³/day)	168

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

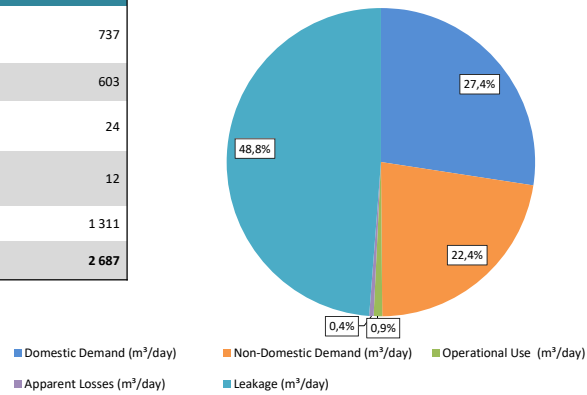
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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

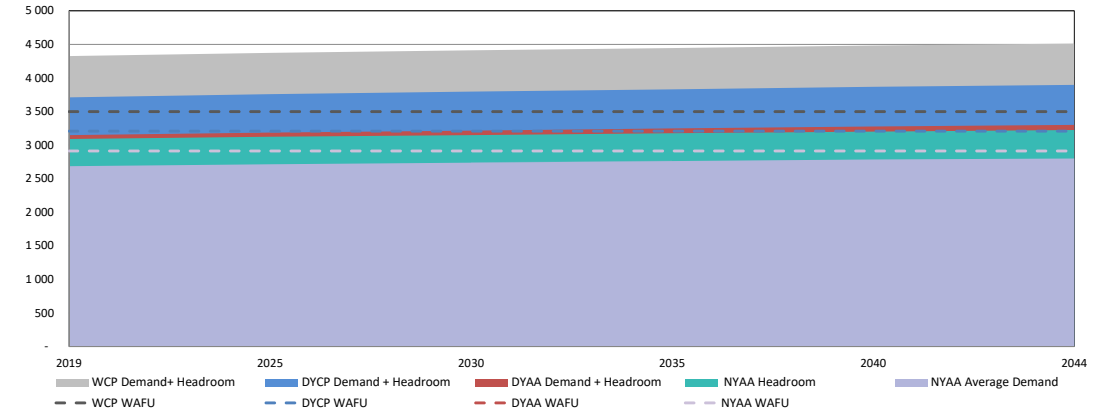
Base Demand in	2019
Domestic Demand (m³/day)	737
Non-Domestic Demand (m³/day)	603
Operational Use (m³/day)	24
Apparent Losses (m³/day)	12
Leakage (m³/day)	1 311
Demand (m³/day)	2 687

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



■ 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	1 230	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	2 104

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)	
2019	1 278	1 278	1 405	1 533 -	137 -	163 -	295 -	447 -	
2025	1 278	1 278	1 405	1 533 -	154 -	183 -	318 -	471 -	
2030	1 278	1 278	1 336	1 533 -	173 -	204 -	412 -	498 -	
2035	1 278	1 278	1 332	1 533 -	192 -	225 -	441 -	524 -	
2040	1 278	1 278	1 327	1 533 -	211 -	247 -	470 -	551 -	
2044	1 278	1 278	1 324	1 533 -	226 -	262 -	494 -	572 -	

WRZ CODE	0600SC0044	WRZ Name	Inishowen East & Pollan Dam	Study Area	A	Study Group		Local Authority	Donegal

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)

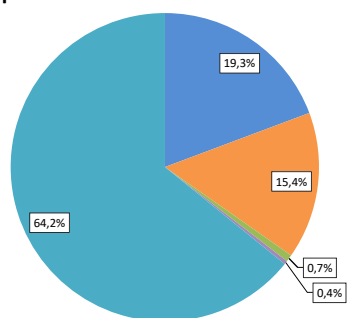
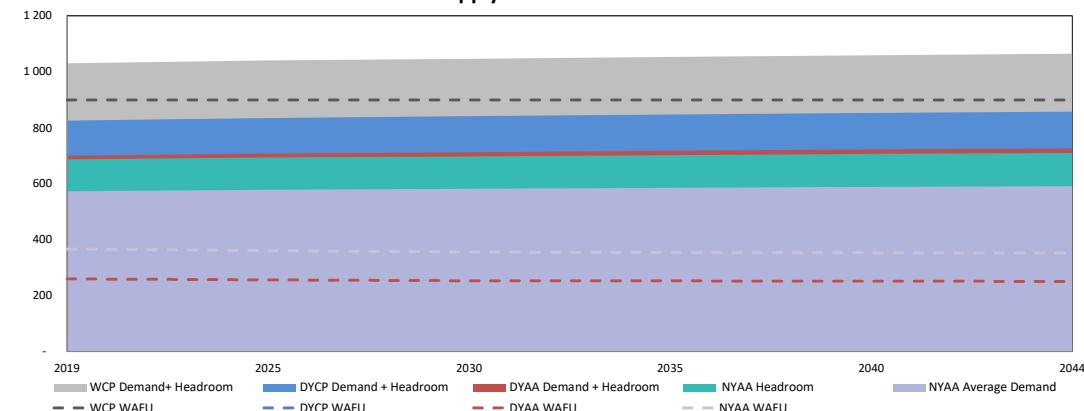
Supply Demand Balance

Projected Demands 2019 to 2044

Water Available for Use in 2044 DYCP

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)
2019	7 738	7 668	8 401	10 120 -	5 640 -	5 961 -	7 680 -	7 273
2025	7 732	7 663	8 396	10 120 -	5 803 -	6 144 -	7 895 -	7 475
2030	7 726	7 659	8 393	10 120 -	5 929 -	6 287 -	8 064 -	7 632
2035	7 725	7 658	8 392	10 120 -	6 052 -	6 429 -	8 230 -	7 789
2040	7 723	7 657	8 391	10 120 -	6 174 -	6 571 -	8 394 -	7 946
2044	7 722	7 656	8 390	10 120 -	6 271 -	6 670 -	8 525 -	8 072

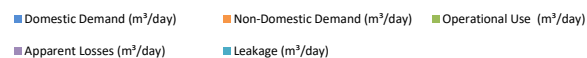
Base Demand in	2019
Domestic Demand (m ³ /day)	110
Non-Domestic Demand (m ³ /day)	88
Operational Use (m ³ /day)	4
Apparent Losses (m ³ /day)	2
Leakage (m ³ /day)	368
Demand (m³/day)	573

 m^3/day [illegible]

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)		
2019	367	260	260	900 -	320 -	440 -	566 -	1314		
2025	361	257	257	900 -	333 -	451 -	578 -	1414		
2030	356	254	254	900 -	342 -	459 -	587 -	1478		
2035	355	253	253	900 -	347 -	465 -	594 -	1534		
2040	353	252	252	900 -	353 -	471 -	601 -	1594		
2044	352	251	251	900 -	357 -	475 -	606 -	1644		

WRZ CODE	0600SC0047	WRZ Name	FANAD EAST	Study Area	A	Study Group		Local Authority	Donegal

Components of Base Demand 2019



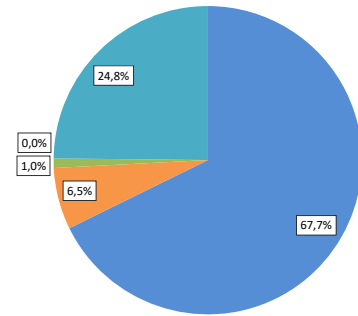
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	755	151	906	923	1 089	1 359
2025	759	152	911	929	1 096	1 366
2030	763	153	915	935	1 103	1 373
2035	766	153	919	940	1 109	1 379
2040	770	154	924	946	1 116	1 385
2044	773	155	927	949	1 121	1 391

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)	
2019	194	194	194	550 -	712 -	729 -	895 -	809	
2025	194	194	194	550 -	717 -	735 -	902 -	816	
2030	194	194	194	550 -	721 -	740 -	909 -	823	
2035	194	194	194	550 -	725 -	746 -	915 -	829	
2040	194	194	194	550 -	729 -	751 -	921 -	835	
2044	194	194	194	550 -	733 -	755 -	926 -	841	

WRZ CODE	0800SC0001	WRZ Name	Brittas	Study Area	9	Study Group		Local Authority	South Dublin

Base Demand in	2019
Domestic Demand (m³/day)	63
Non-Domestic Demand (m³/day)	6
Operational Use (m³/day)	1
Apparent Losses (m³/day)	-
Leakage (m³/day)	23
Demand (m³/day)	93

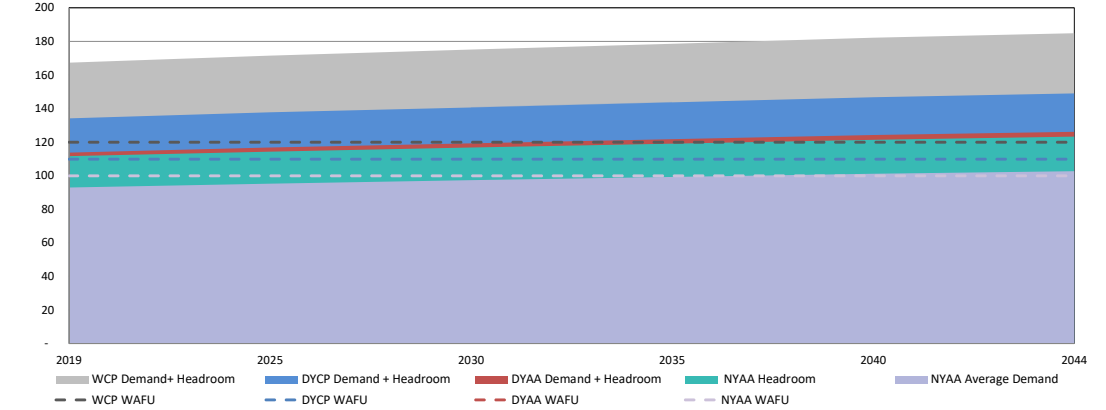
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

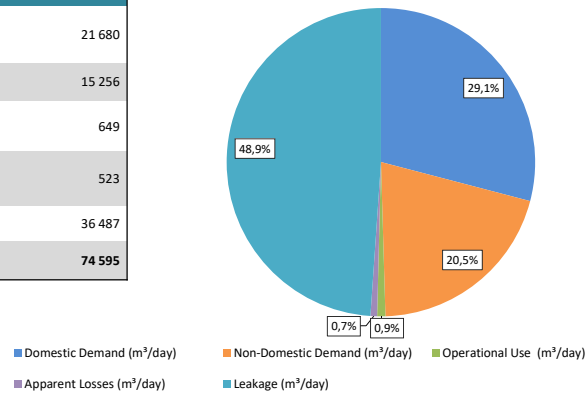
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	100	100	110	120	-	12	-	4		
2025	100	100	110	120	-	14	-	5		
2030	100	100	110	120	-	17	-	5		
2035	100	100	110	120	-	19	-	5		
2040	100	100	110	120	-	21	-	6		
2044	100	100	110	120	-	23	-	6		

WRZ CODE	1100SC0001	WRZ Name	Lough Corrib (Galway City,	Study Area	D	Study Group	Local Authority	Galway City

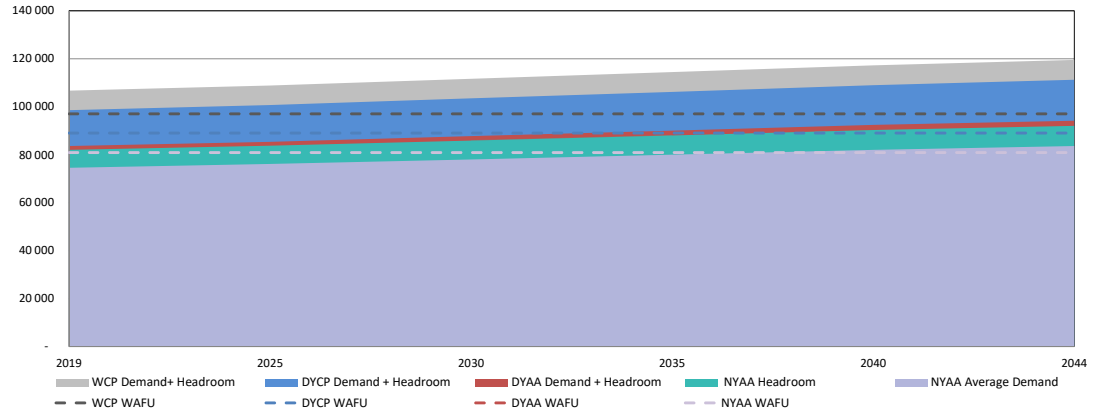
Base Demand in	2019
Domestic Demand (m³/day)	21 680
Non-Domestic Demand (m³/day)	15 256
Operational Use (m³/day)	649
Apparent Losses (m³/day)	523
Leakage (m³/day)	36 487
Demand (m³/day)	74 595

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



■ 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	1 743	262	2 005	2 042	2 410	2 805
2025	1 768	265	2 034	2 074	2 448	2 841
2030	1 786	268	2 054	2 098	2 476	2 870
2035	1 805	271	2 075	2 122	2 504	2 900
2040	1 823	273	2 096	2 146	2 532	2 930
2044	1 837	276	2 113	2 163	2 554	2 950

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)
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



■ 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	1 722	258	1 980	2 017	2 380	2 777	
2025	1 740	261	2 001	2 041	2 408	2 803	
2030	1 752	263	2 014	2 057	2 427	2 826	
2035	1 763	264	2 028	2 074	2 447	2 839	
2040	1 775	266	2 041	2 090	2 466	2 855	
2044	1 784	268	2 052	2 101	2 481	2 871	

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)
2019	2 135	2 138	2 173	3 066	155	121	-	29
2025	2 106	2 114	2 149	3 066	105	73	-	260
2030	2 082	2 094	2 129	3 066	-	36	-	299
2035	2 075	2 088	2 123	3 066	47	14	-	324
2040	2 069	2 082	2 117	3 066	27	8	-	348
2044	2 063	2 078	2 113	3 066	11	73	-	368

WRZ CODE	1100SC0001_J	WRZ Name	Oughterard	Study Area	D	Study Group		Local Authority	Galway

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

2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom
WCP WAFU

DYCP Demand + Headroom
DYCP WAFU

DYAA Demand + Headroom
DYAA WAFU

NYAA Headroom
NYAA WAFU

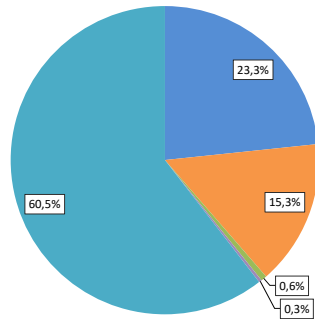
NYAA Average Demand

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
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	

WRZ CODE	1100SC0001_K	WRZ Name	Rosmuc P.S.	Study Area	D	Study Group	Local Authority	Galway

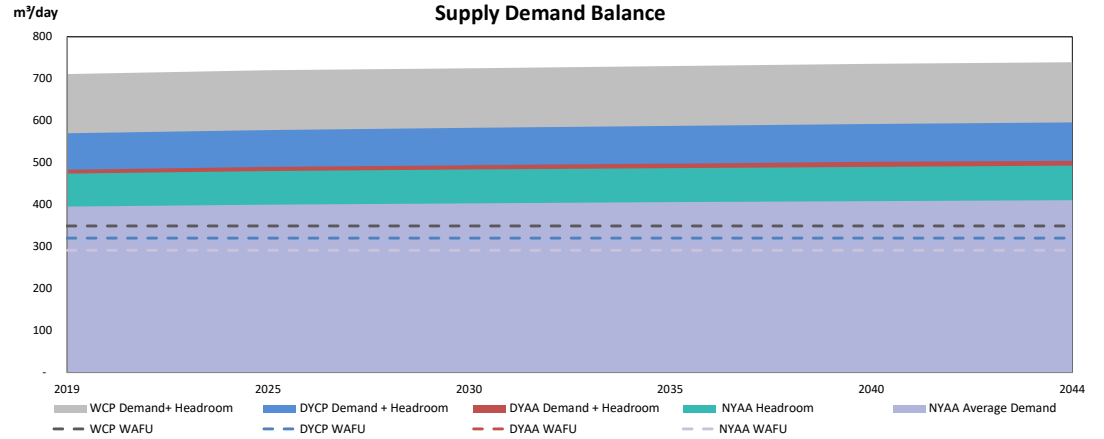
Base Demand in	2019
Domestic Demand (m³/day)	92
Non-Domestic Demand (m³/day)	60
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	239
Demand (m³/day)	395

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)

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	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

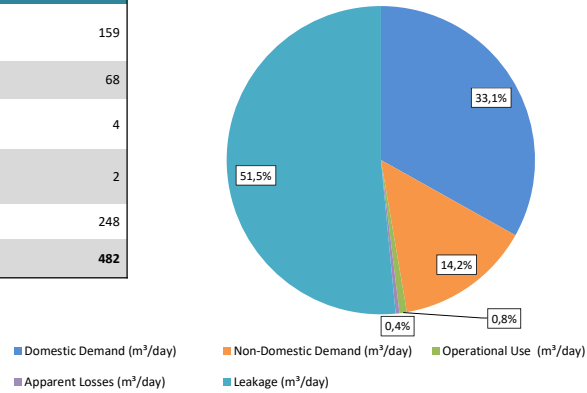
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	292	292	321	350	183	192	249	361		
2025	292	292	321	350	188	198	257	370		
2030	292	292	321	350	192	202	262	375		
2035	292	292	321	350	195	206	267	381		
2040	292	292	321	350	199	210	272	386		
2044	292	292	321	350	202	213	275	390		

WRZ CODE	1100SC0001_M	WRZ Name	Teeranea Lettermore P.S.	Study Area	D	Study Group	Local Authority	Galway

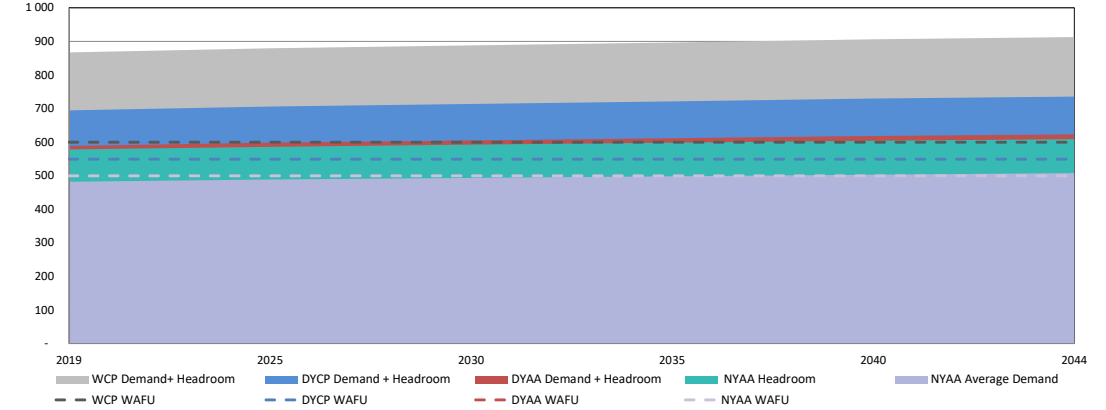
Base Demand in	2019
Domestic Demand (m³/day)	159
Non-Domestic Demand (m³/day)	68
Operational Use (m³/day)	4
Apparent Losses (m³/day)	2
Leakage (m³/day)	248
Demand (m³/day)	482

Components of Base Demand 2019



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	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

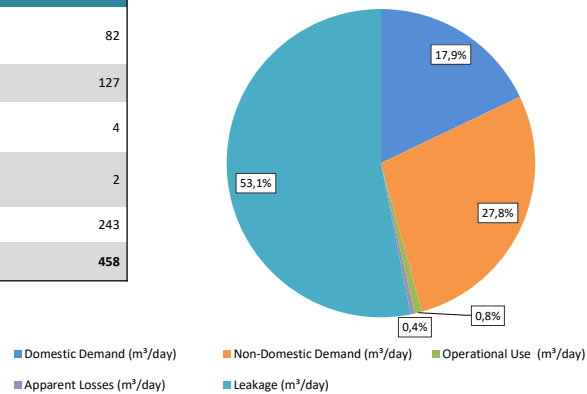
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000759	Tiernee WTP	600	500	550	No Licence	682	22Hr	550	-	550	Demand > Safe Production Capacity
TOTAL		600	500	550	-	682		550	-	550	

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)		
2019	500	500	550	600 -	78 -	89 -	145 -	267 -		
2025	500	500	550	600 -	86 -	98 -	156 -	279 -		
2030	500	500	550	600 -	92 -	105 -	164 -	288 -		
2035	500	500	550	600 -	98 -	112 -	172 -	297 -		
2040	500	500	550	600 -	104 -	118 -	180 -	306 -		
2044	500	500	550	600 -	109 -	123 -	186 -	313 -		

WRZ CODE	1200SC0001	WRZ Name	Ballymoe P.S.	Study Area	F	Study Group	Local Authority	Galway

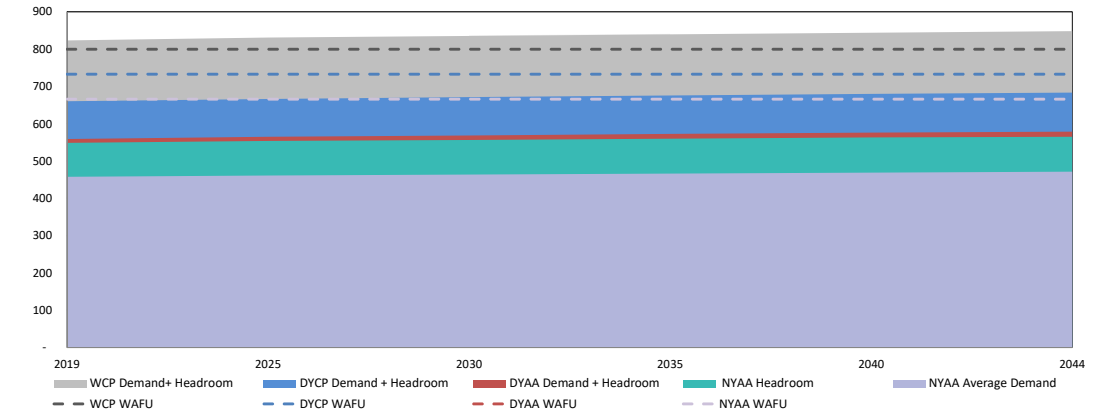
Base Demand in	2019
Domestic Demand (m³/day)	82
Non-Domestic Demand (m³/day)	127
Operational Use (m³/day)	4
Apparent Losses (m³/day)	2
Leakage (m³/day)	243
Demand (m³/day)	458

Components of Base Demand 2019



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	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

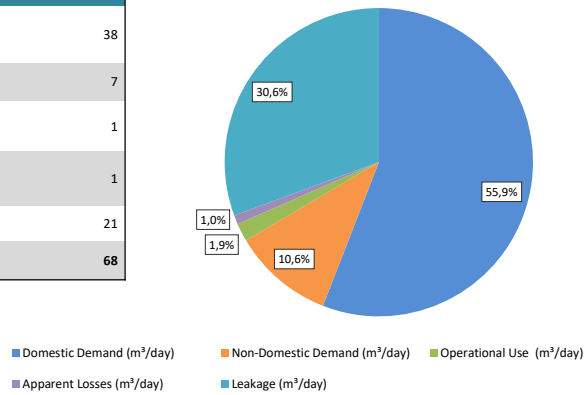
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

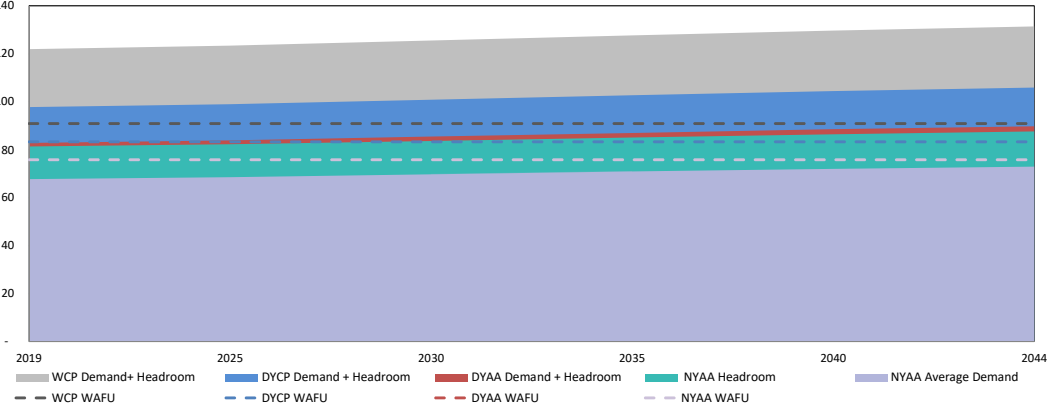
Base Demand in	2019
Domestic Demand (m³/day)	38
Non-Domestic Demand (m³/day)	7
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	21
Demand (m³/day)	68

Components of Base Demand 2019



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	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



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



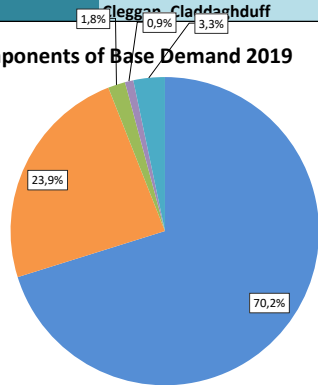
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	891	178	1 069	1 089	1 285	1 603
2025	899	180	1 079	1 100	1 298	1 616
2030	902	180	1 082	1 105	1 304	1 622
2035	905	181	1 086	1 110	1 310	1 628
2040	908	182	1 089	1 115	1 315	1 634
2044	910	182	1 092	1 118	1 320	1 638

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)		
2019	556	557	557	1 600 -	513 -	532 -	728 -	3 180 -		
2025	547	550	550	1 600 -	531 -	551 -	749 -	18 180 -		
2030	540	543	543	1 600 -	542 -	562 -	761 -	23 180 -		
2035	538	541	541	1 600 -	548 -	569 -	768 -	28 180 -		
2040	536	540	540	1 600 -	553 -	575 -	776 -	34 180 -		
2044	534	538	538	1 600 -	558 -	579 -	781 -	38 180 -		

WRZ CODE	1200SC0010	WRZ Name	Cleggan Claddaghduff	Study Area	D	Study Group	Local Authority	Galway

Base Demand in	2019
Domestic Demand (m³/day)	147
Non-Domestic Demand (m³/day)	50
Operational Use (m³/day)	4
Apparent Losses (m³/day)	2
Leakage (m³/day)	7
Demand (m³/day)	210

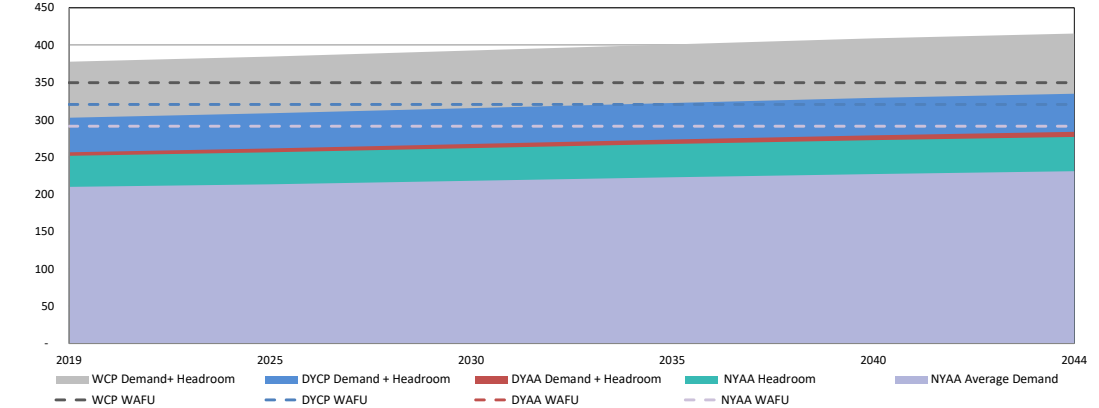
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

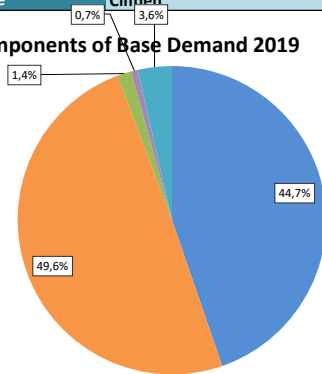
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	322
Non-Domestic Demand (m³/day)	357
Operational Use (m³/day)	10
Apparent Losses (m³/day)	5
Leakage (m³/day)	26
Demand (m³/day)	720

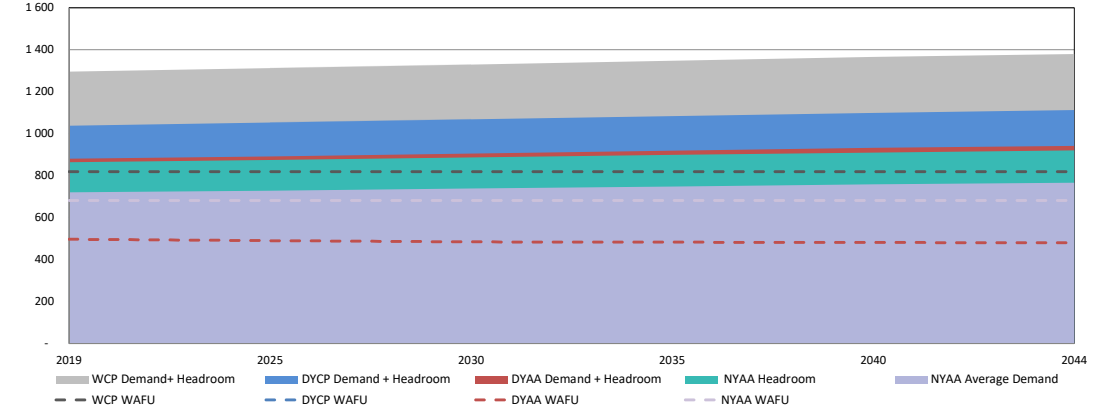
Components of Base Demand 2019



■ 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



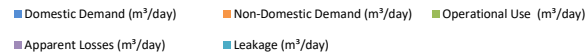
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	720	144	864	880	1 039	1 296
2025	729	146	875	892	1 053	1 312
2030	739	148	887	906	1 069	1 330
2035	749	150	899	919	1 084	1 348
2040	759	152	911	932	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Components of Base Demand 2019

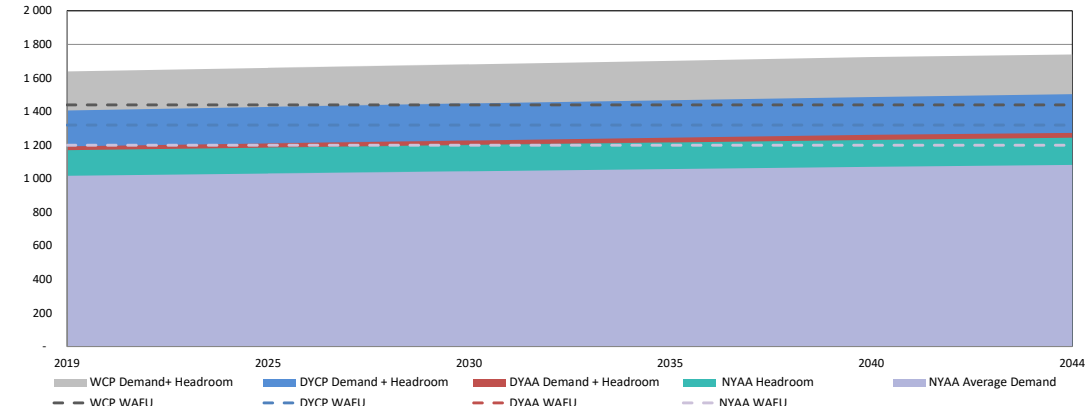
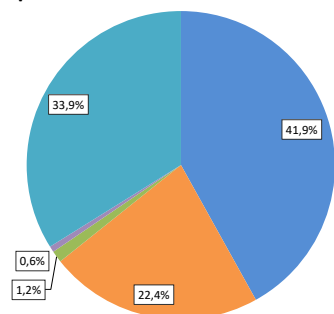


Supply Demand Balance

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	890	178	1 068	1 088	1 284	1 604
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	1 666
2040	933	187	1 120	1 146	1 352	1 684
2044	941	188	1 129	1 156	1 365	1 699

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)	
2019	1 025	1 025	1 128	1 230 -	43 -	63 -	156 -	37 -	
2025	1 025	1 025	1 128	1 230 -	59 -	81 -	177 -	39 -	
2030	1 025	1 025	1 128	1 230 -	71 -	94 -	193 -	41 -	
2035	1 025	1 025	1 128	1 230 -	83 -	108 -	209 -	43 -	
2040	1 025	1 025	1 128	1 230 -	95 -	121 -	225 -	45 -	
2044	1 025	1 025	1 128	1 230 -	104 -	131 -	237 -	46 -	

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



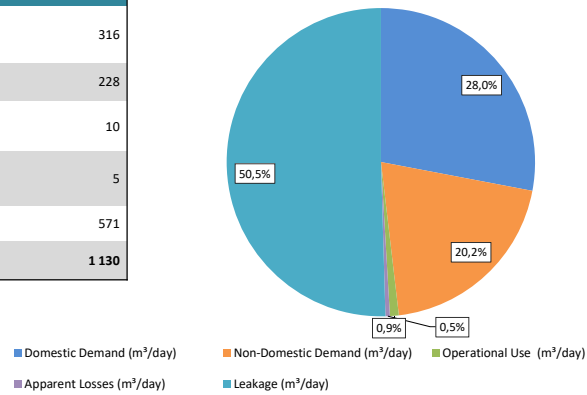
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 -	304		

WRZ CODE	1200SC0023	WRZ Name	Kinvara P.S.	Study Area	G	Study Group	Local Authority	Galway

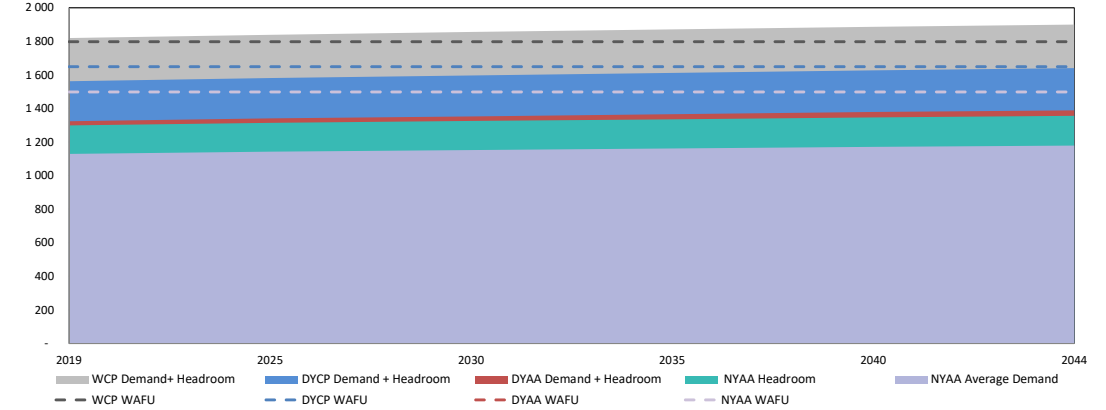
Base Demand in	2019
Domestic Demand (m³/day)	316
Non-Domestic Demand (m³/day)	228
Operational Use (m³/day)	10
Apparent Losses (m³/day)	5
Leakage (m³/day)	571
Demand (m³/day)	1 130

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

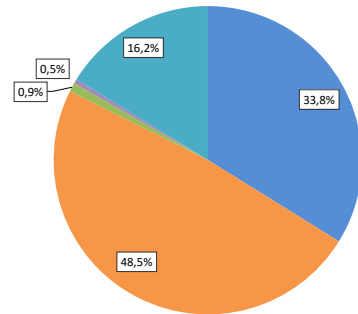
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	27
Non-Domestic Demand (m³/day)	39
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	13
Demand (m³/day)	80

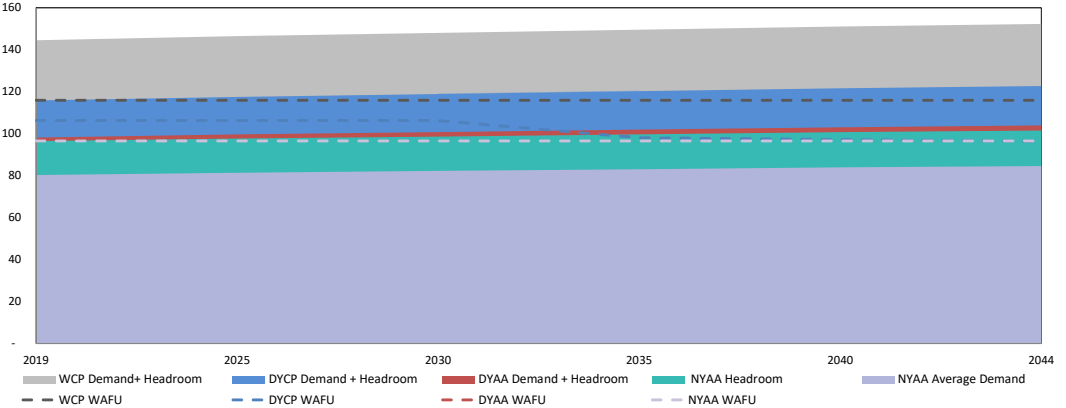
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

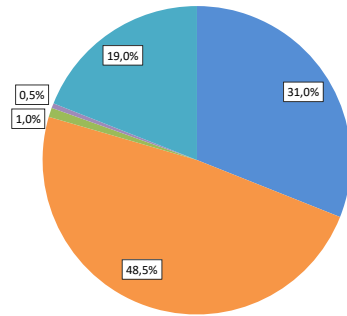
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	97	97	106	116	0 -	2 -	10 -	29
2025	97	97	106	116	1 -	3 -	11 -	31
2030	97	97	106	116	2 -	4 -	13 -	32
2035	97	97	98	116	3 -	5 -	22 -	34
2040	97	97	97	116	4 -	6 -	24 -	35
2044	97	97	96	116	5 -	7 -	26 -	36

WRZ CODE	1200SC0030	WRZ Name	Portumna PS	Study Area	7	Study Group		Local Authority	Galway

Base Demand in	2019
Domestic Demand (m³/day)	353
Non-Domestic Demand (m³/day)	553
Operational Use (m³/day)	11
Apparent Losses (m³/day)	6
Leakage (m³/day)	216
Demand (m³/day)	1 139

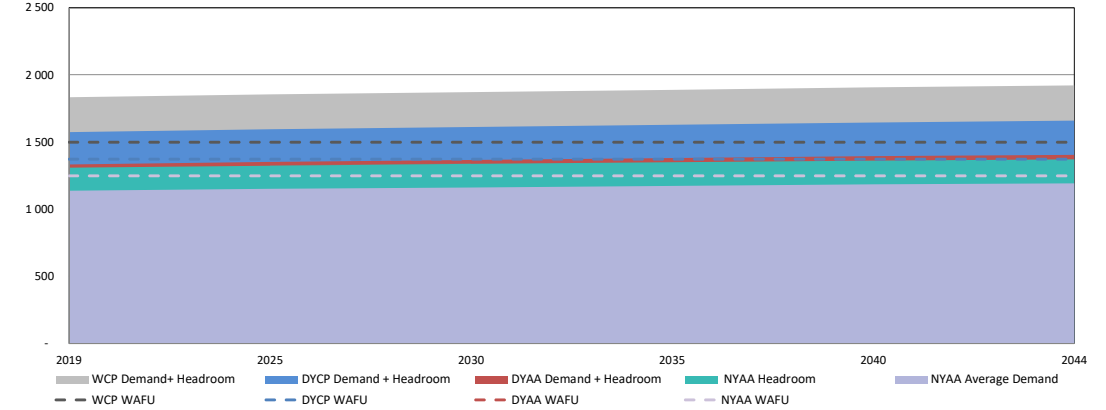
Components of Base Demand 2019



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

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	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

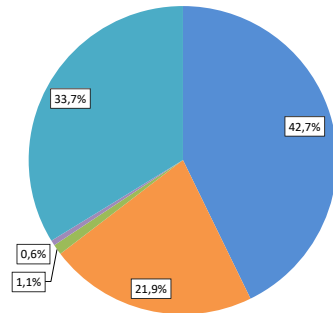
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	1 250	1 250	1 375	1 500	-	60	-	84	- 333
2025	1 250	1 250	1 375	1 500	-	75	-	102	- 355
2030	1 250	1 250	1 375	1 500	-	87	-	116	- 372
2035	1 250	1 250	1 375	1 500	-	100	-	130	- 390
2040	1 250	1 250	1 375	1 500	-	113	-	145	- 408
2044	1 250	1 250	1 375	1 500	-	123	-	155	- 422

WRZ CODE	1200SC0035	WRZ Name	Tully-Tullycross	Study Area	D	Study Group	Local Authority	Galway

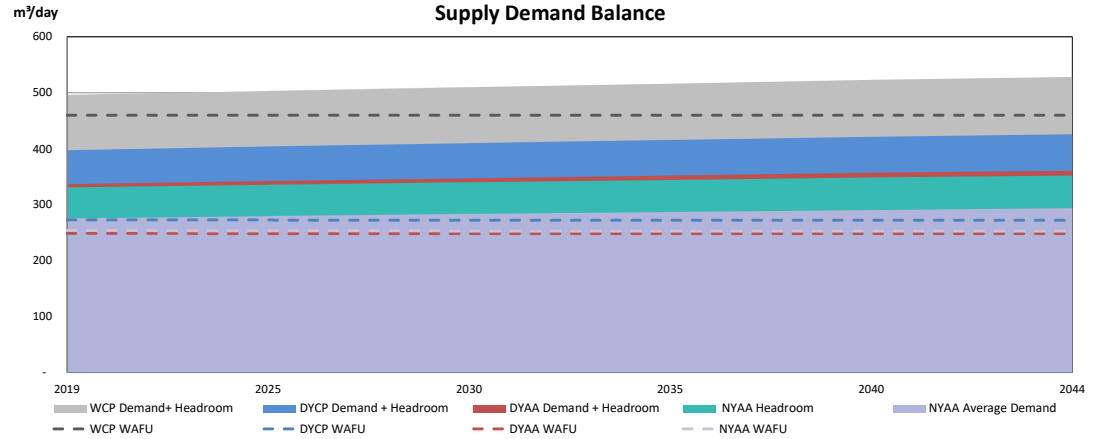
Base Demand in	2019
Domestic Demand (m³/day)	118
Non-Domestic Demand (m³/day)	60
Operational Use (m³/day)	3
Apparent Losses (m³/day)	2
Leakage (m³/day)	93
Demand (m³/day)	276

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)

Supply Demand Balance

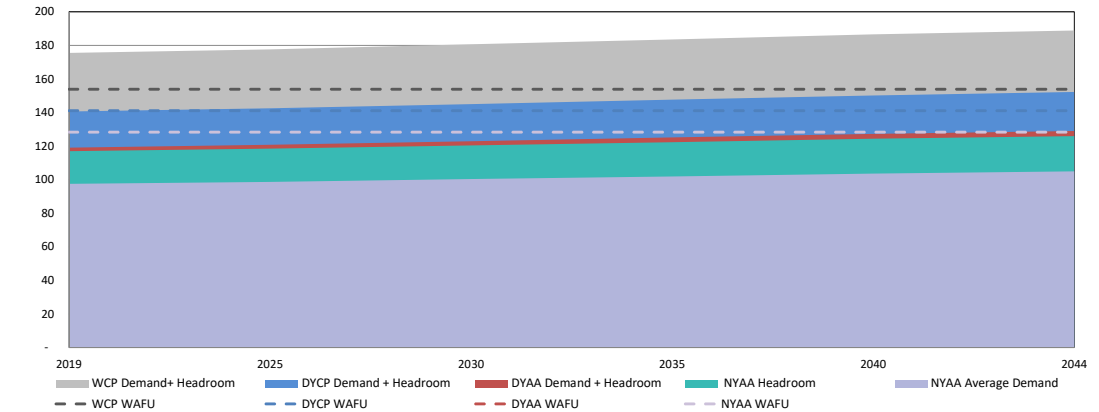
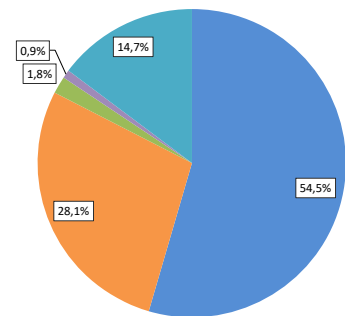


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	276	55	331	337	397	496
2025	280	56	336	342	404	503
2030	283	57	340	347	410	510
2035	287	57	344	352	415	516
2040	291	58	349	357	421	523
2044	294	59	352	361	426	528

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

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

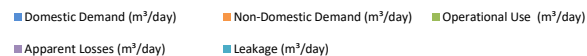


Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	128	128	141	154	11	9	1	2		
2025	128	128	141	154	10	8 -	1 -	2		
2030	128	128	141	154	8	5 -	4 -	2		
2035	128	128	141	154	6	3 -	6 -	3		
2040	128	128	141	154	4	1 -	9 -	3		
2044	128	128	141	154	2 -	1 -	11 -	3		

WRZ CODE	1300SC0002	WRZ Name	Annascaul / Ballintermon	Study Area	H	Study Group		Local Authority	Kerry

Components of Base Demand 2019



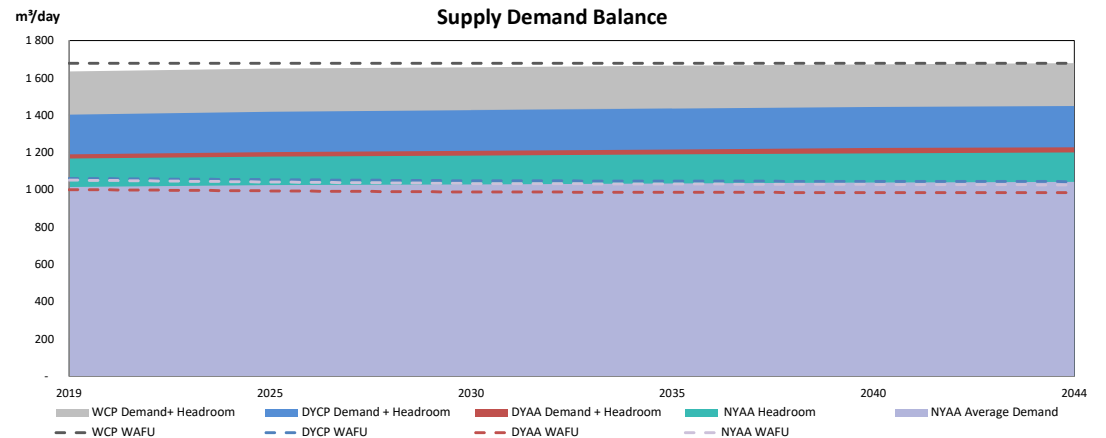
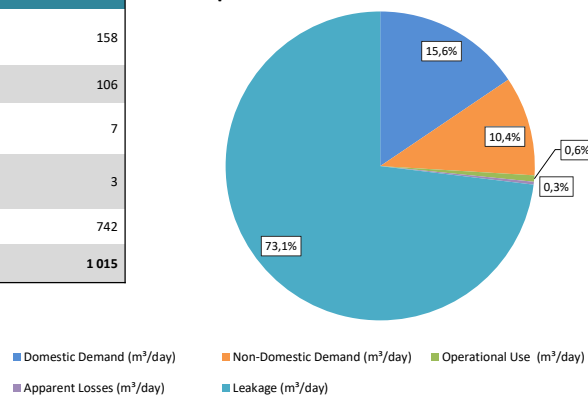
Projected Demands 2019 to 2044

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
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	

WRZ CODE	1300SC0003	WRZ Name	An Mhin Aird	Study Area	H	Study Group		Local Authority	Kerry

Base Demand in	2019
Domestic Demand (m³/day)	158
Non-Domestic Demand (m³/day)	106
Operational Use (m³/day)	7
Apparent Losses (m³/day)	3
Leakage (m³/day)	742
Demand (m³/day)	1 015

Components of Base Demand 2019



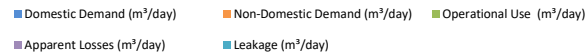
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	1 015	152	1 168	1 190	1 404	1 635
2025	1 025	154	1 178	1 202	1 418	1 650
2030	1 029	154	1 184	1 209	1 427	1 657
2035	1 034	155	1 190	1 216	1 435	1 665
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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Components of Base Demand 2019



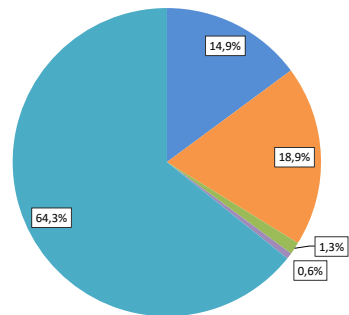
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	2 326	349	2 675	2 725	3 215	3 744
2025	2 345	352	2 697	2 751	3 246	3 777
2030	2 360	354	2 714	2 772	3 270	3 799
2035	2 375	356	2 731	2 792	3 295	3 827
2040	2 389	358	2 748	2 813	3 319	3 849
2044	2 401	360	2 762	2 827	3 338	3 866

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)	
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 -	555	
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	1300SC0006	WRZ Name	Dun Chaoin PWS 034D	Study Area	H	Study Group	Local Authority	Kerry

Base Demand in	2019
Domestic Demand (m³/day)	23
Non-Domestic Demand (m³/day)	29
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	100
Demand (m³/day)	155

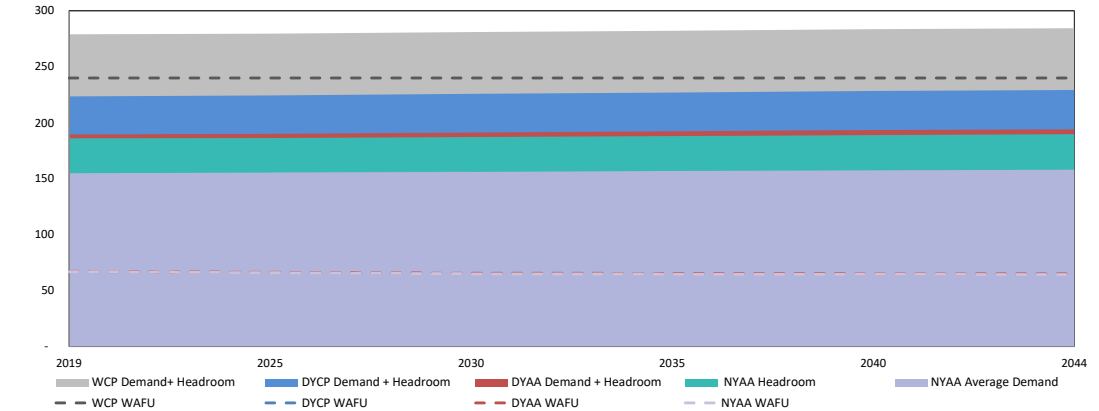
Components of Base Demand 2019



■ 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

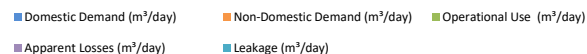


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	155	31	186	189	224	279
2025	155	31	186	190	224	280
2030	156	31	187	191	226	281
2035	157	31	188	192	227	282
2040	158	32	189	194	228	284
2044	158	32	190	194	229	285

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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		

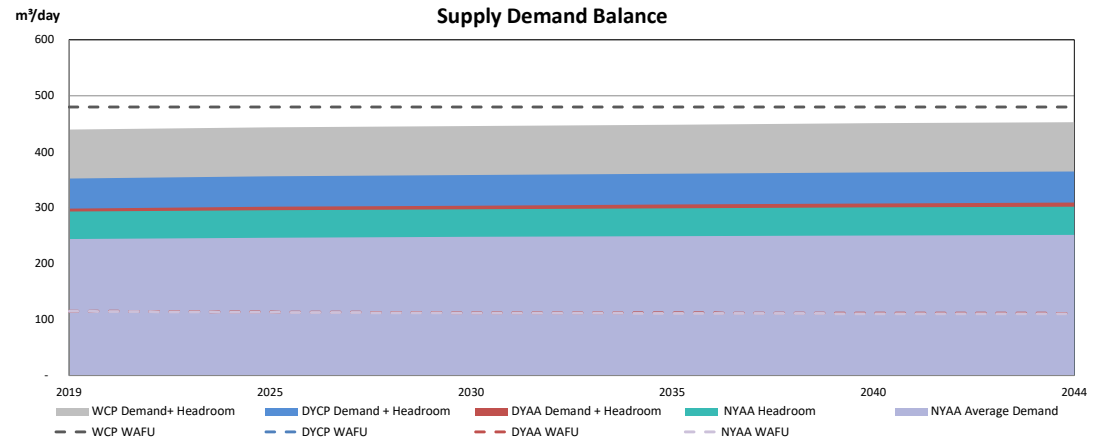
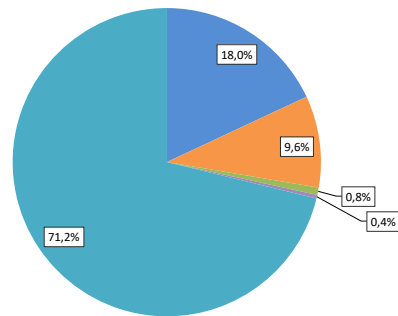
WRZ CODE	1300SC0007	WRZ Name	An Fheothanach / An	Study Area	H	Study Group		Local Authority	Kerry



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	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

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)	
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	

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



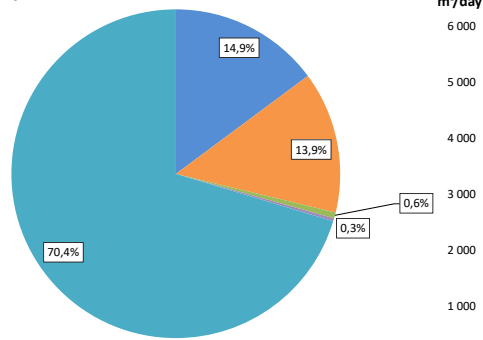
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	115	115	115	480 -	178 -	183 -	237	4	
2025	113	114	114	480 -	182 -	188 -	242	3	
2030	112	113	113	480 -	185 -	191 -	246	3	
2035	111	112	112	480 -	188 -	194 -	249	3	
2040	111	112	112	480 -	190 -	196 -	251	2	
2044	111	111	111	480 -	191 -	198 -	253	2	

WRZ CODE	1300SC0010	WRZ Name	Ardfert North/ Glenderry	Study Area	H	Study Group		Local Authority	Kerry

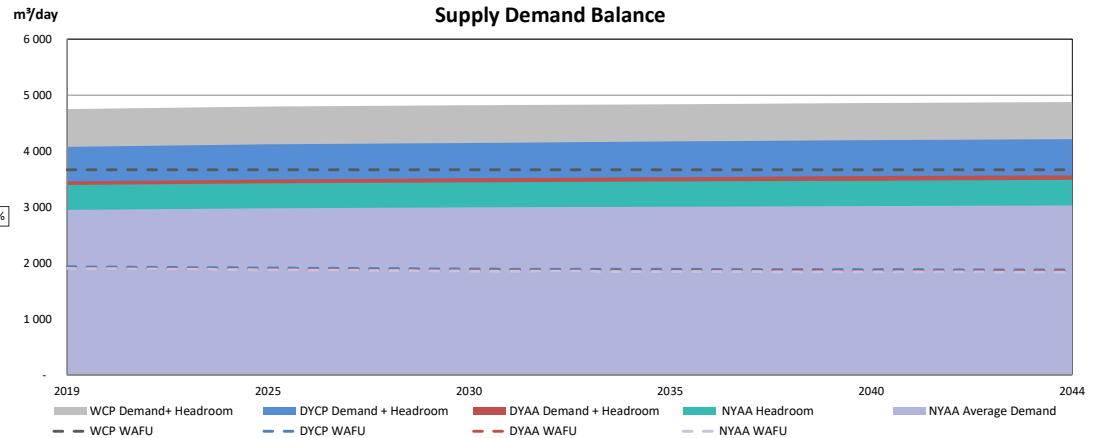
Base Demand in	2019
Domestic Demand (m³/day)	438
Non-Domestic Demand (m³/day)	411
Operational Use (m³/day)	17
Apparent Losses (m³/day)	8
Leakage (m³/day)	2 076
Demand (m³/day)	2 950

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



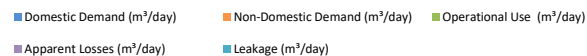
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	2 950	443	3 393	3 456	4 078	4 750
2025	2 978	447	3 425	3 494	4 123	4 795
2030	2 992	449	3 441	3 514	4 147	4 817
2035	3 006	451	3 456	3 534	4 170	4 839
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 (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
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	
			</								

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)		
2019	1 906	1 908	1 934	3 672	-	1 487	-	1 548	-	1 078
2025	1 879	1 886	1 912	3 672	-	1 546	-	1 608	-	1 123
2030	1 857	1 868	1 894	3 672	-	1 583	-	1 647	-	1 145
2035	1 851	1 862	1 888	3 672	-	1 606	-	1 672	-	1 167
2040	1 845	1 857	1 883	3 672	-	1 627	-	1 698	-	1 189
2044	1 840	1 853	1 879	3 672	-	1 645	-	1 715	-	1 206

WRZ CODE	1300SC0011	WRZ Name	Listowel Regional Public Water Supply	Study Area	H	Study Group		Local Authority	Kerry

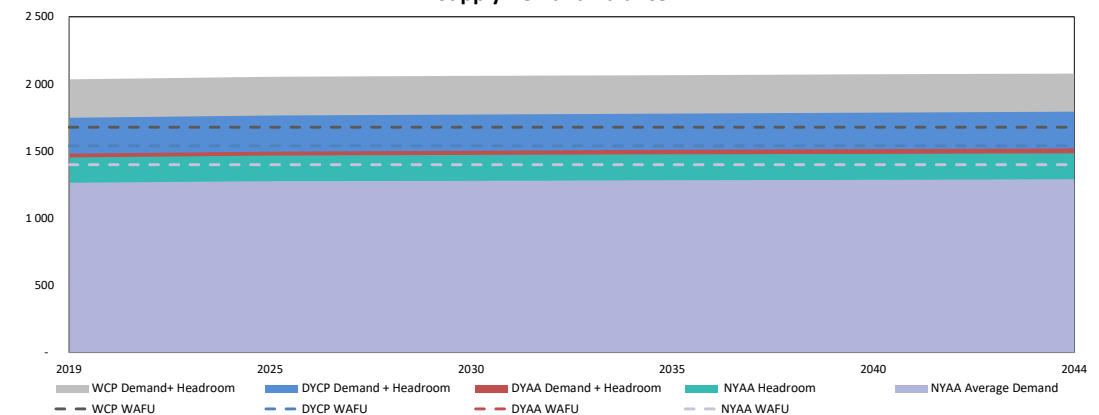
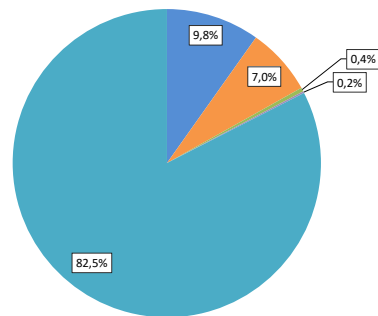
Components of Base Demand 2019



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	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

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)
2019	15 300	15 300	16 780	18 360	2 118	1 871	935	1 223		
2025	15 292	15 294	16 774	18 360	2 044	1 779	827	1 138		
2030	15 285	15 288	16 768	18 360	1 947	1 666	695	1 021		
2035	15 283	15 286	16 766	18 360	1 855	1 556	565	904		
2040	15 281	15 285	16 765	18 360	1 763	1 445	438	787		
2044	15 280	15 284	16 764	18 360	1 690	1 370	337	693		

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



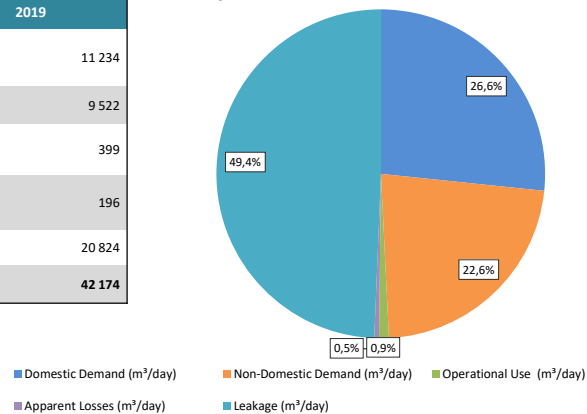
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	1400	DYCP (m³/day)	1540	WCP (m³/day)	1680 -	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	1400	1400	1400	1540	1540	1680 -	54 -	81 -		207 -	35
2025	1400	1400	1400	1540	1540	1680 -	76 -	96 -		226 -	37
2030	1400	1400	1400	1540	1540	1680 -	71 -	103 -		233 -	38
2035	1400	1400	1400	1540	1540	1680 -	76 -	109 -		240 -	38
2040	1400	1400	1400	1540	1540	1680 -	80 -	115 -		248 -	39
2044	1400	1400	1400	1540	1540	1680 -	84 -	119 -		253 -	39

WRZ CODE	1300SC0013	WRZ Name	Central Regional - Lough Guitane	Study Area	H	Study Group		Local Authority	Kerry

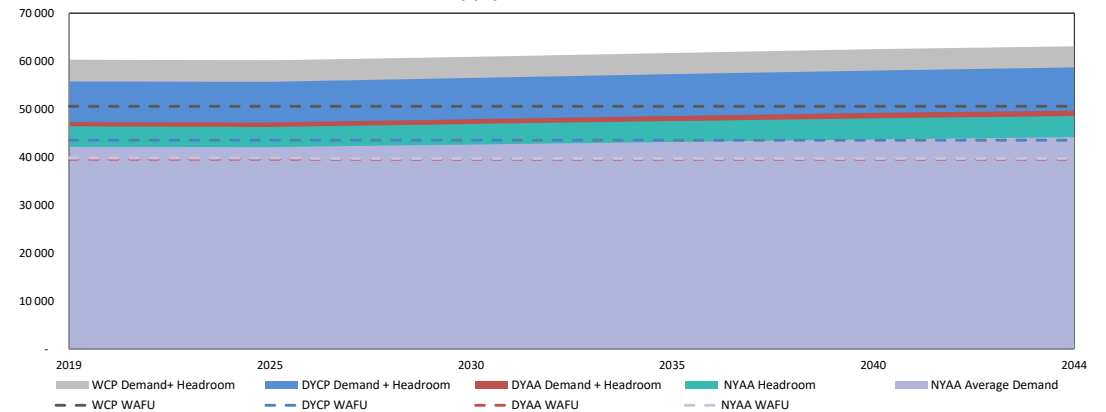
Base Demand in	2019
Domestic Demand (m³/day)	11 234
Non-Domestic Demand (m³/day)	9 522
Operational Use (m³/day)	399
Apparent Losses (m³/day)	196
Leakage (m³/day)	20 824
Demand (m³/day)	42 174

Components of Base Demand 2019



m³/day

Supply Demand Balance



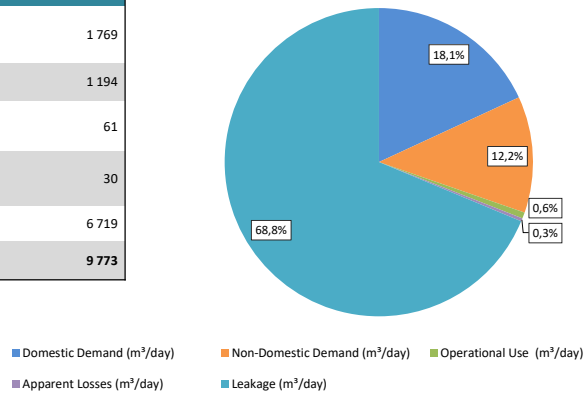
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	42 174	4 217	46 391	47 260	55 764	60 309
2025	42 069	4 207	46 275	47 207	55 701	60 158
2030	42 611	4 261	46 872	47 871	56 486	60 933
2035	43 153	4 315	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 (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
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

WRZ CODE	1300SC0015	WRZ Name	Mid Kerry	Study Area	H	Study Group		Local Authority	Kerry

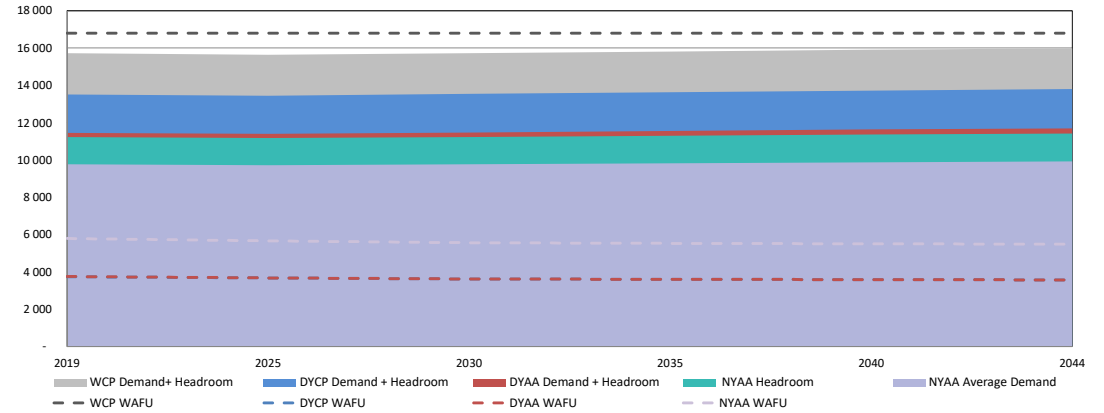
Base Demand in	2019
Domestic Demand (m³/day)	1 769
Non-Domestic Demand (m³/day)	1 194
Operational Use (m³/day)	61
Apparent Losses (m³/day)	30
Leakage (m³/day)	6 719
Demand (m³/day)	9 773

Components of Base Demand 2019



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	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

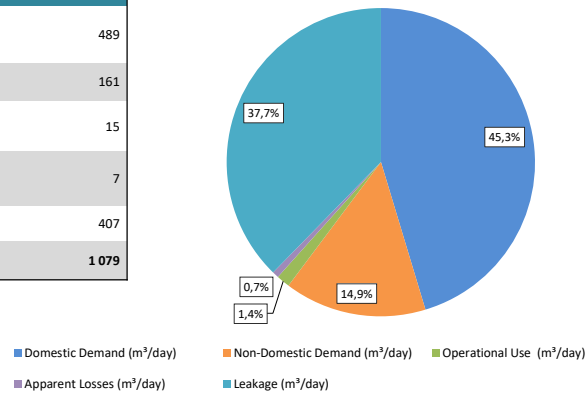
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

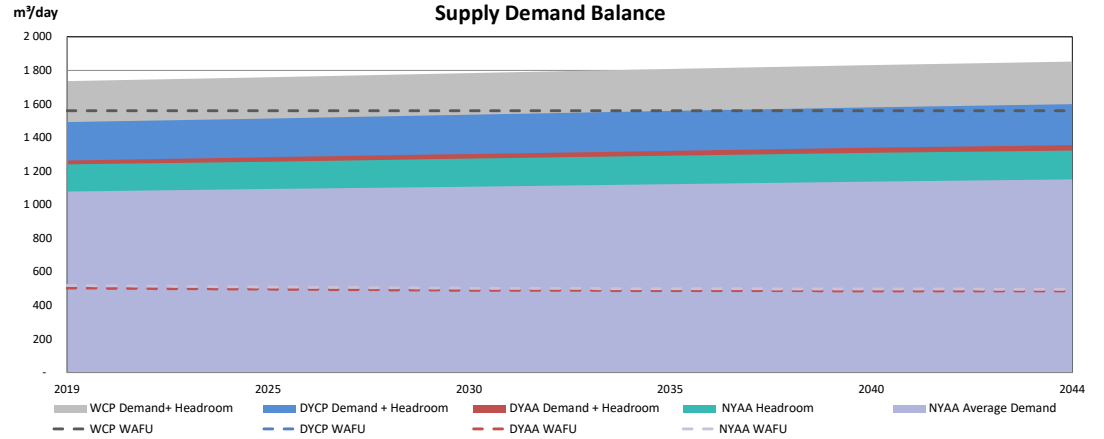
WRZ CODE	1300SC0016	WRZ Name	Emlaghpeasta / Portmagee /	Study Area	H	Study Group	Local Authority	Kerry

Base Demand in	2019
Domestic Demand (m³/day)	489
Non-Domestic Demand (m³/day)	161
Operational Use (m³/day)	15
Apparent Losses (m³/day)	7
Leakage (m³/day)	407
Demand (m³/day)	1 079

Components of Base Demand 2019



Supply Demand Balance



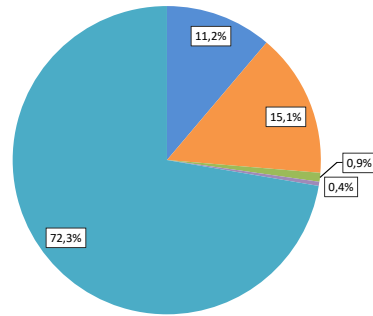
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	1 079	162	1 241	1 264	1 492	1 737
2025	1 093	164	1 256	1 282	1 512	1 759
2030	1 108	166	1 274	1 301	1 535	1 783
2035	1 123	168	1 291	1 320	1 558	1 808
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 (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
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	

WRZ CODE	1300SC0018	WRZ Name	Sneem PWS 068A	Study Area	I	Study Group	Local Authority	Kerry

Base Demand in	2019
Domestic Demand (m³/day)	67
Non-Domestic Demand (m³/day)	91
Operational Use (m³/day)	5
Apparent Losses (m³/day)	3
Leakage (m³/day)	435
Demand (m³/day)	601

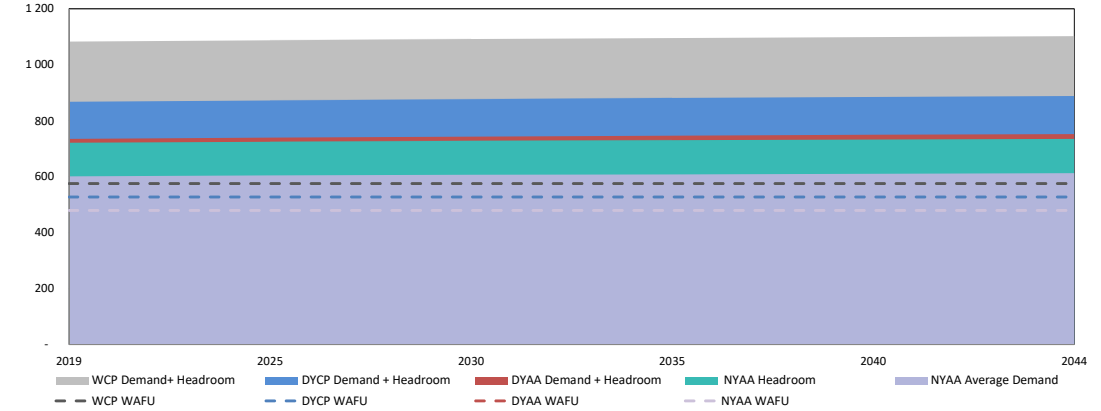
Components of Base Demand 2019



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

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	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

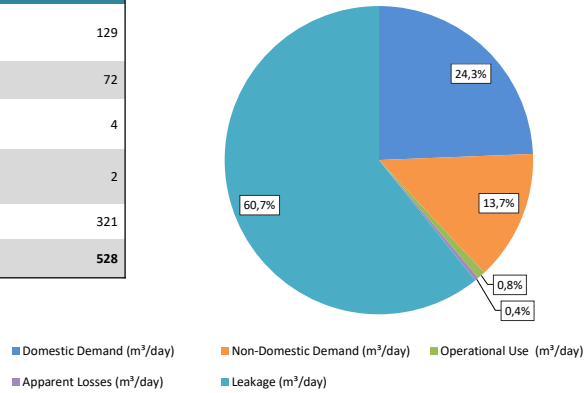
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	480	480	528	576	242	255	340	507	
2025	480	480	528	576	245	260	345	512	
2030	480	480	528	576	248	263	349	516	
2035	480	480	528	576	250	267	353	519	
2040	480	480	528	576	253	270	357	523	
2044	480	480	528	576	255	272	360	526	

WRZ CODE	1300SC0022	WRZ Name	Ceann Tra PWS 074D	Study Area	H	Study Group	Local Authority	Kerry

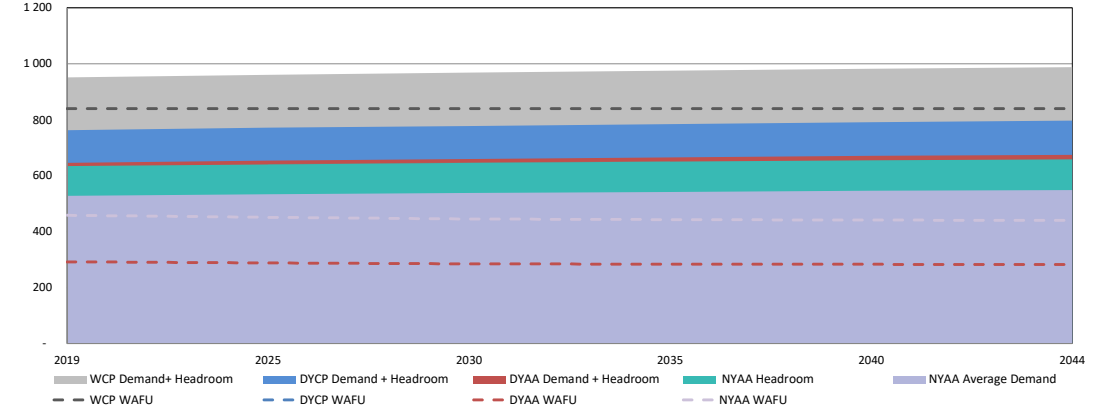
Base Demand in	2019
Domestic Demand (m³/day)	129
Non-Domestic Demand (m³/day)	72
Operational Use (m³/day)	4
Apparent Losses (m³/day)	2
Leakage (m³/day)	321
Demand (m³/day)	528

Components of Base Demand 2019



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	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

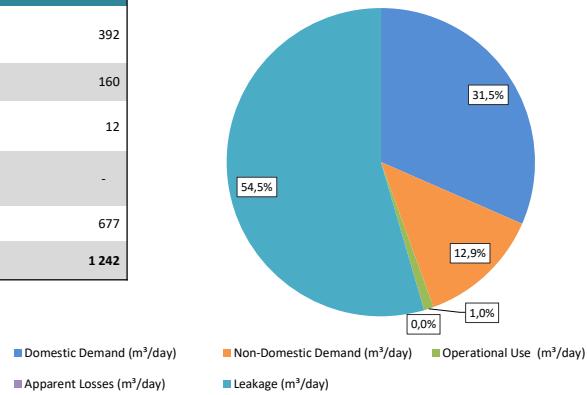
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	459	293	293	840	-	175	-	353	-	111
2025	452	289	289	840	-	189	-	365	-	121
2030	446	285	285	840	-	200	-	374	-	128
2035	444	284	284	840	-	207	-	380	-	135
2040	442	284	284	840	-	213	-	387	-	143
2044	441	283	283	840	-	218	-	392	-	148

WRZ CODE	1300SC0023	WRZ Name	Waterville PWS 075H	Study Area	I	Study Group	Local Authority	Kerry

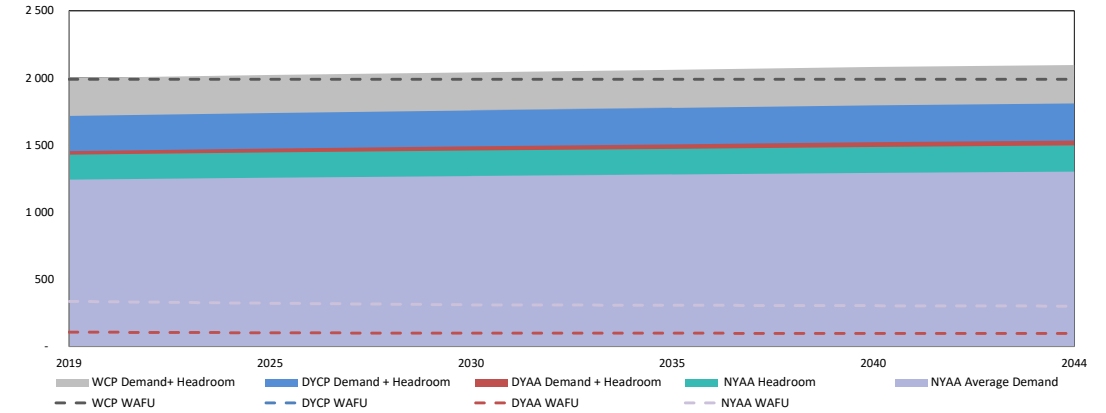
Base Demand in	2019
Domestic Demand (m³/day)	392
Non-Domestic Demand (m³/day)	160
Operational Use (m³/day)	12
Apparent Losses (m³/day)	-
Leakage (m³/day)	677
Demand (m³/day)	1 242

Components of Base Demand 2019



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	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

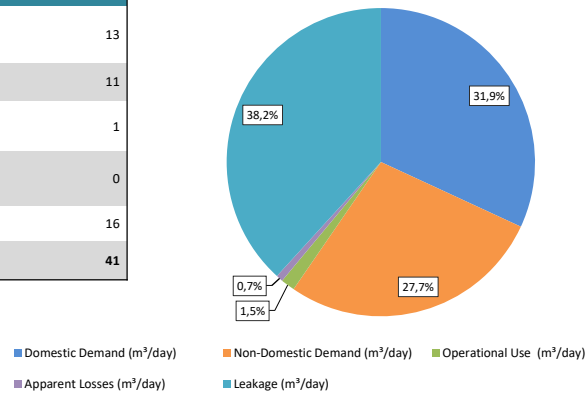
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	338	108	108	1 992	-	1 090	-	1 347	- 8
2025	324	104	104	1 992	-	1 121	-	1 370	- 31
2030	312	101	101	1 992	-	1 147	-	1 389	- 50
2035	308	100	100	1 992	-	1 165	-	1 406	- 70
2040	305	99	99	1 992	-	1 182	-	1 423	- 89
2044	302	98	98	1 992	-	1 196	-	1 436	- 105

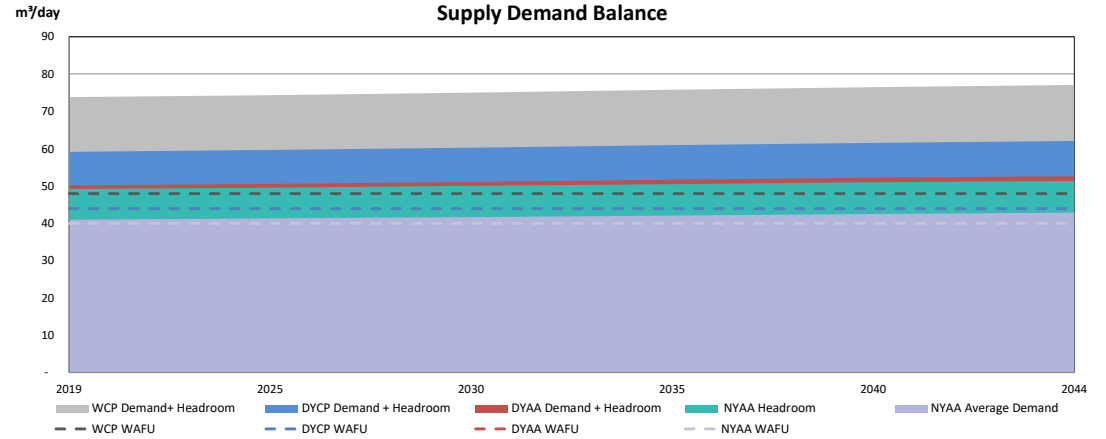
WRZ CODE	1300SC0024	WRZ Name	Lyranes 303A	Study Area	H	Study Group		Local Authority	Kerry

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

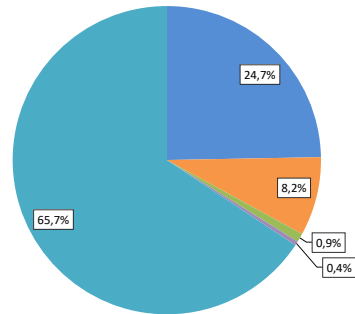
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000952	Lyranes WTP	48	40	44	No Licence	46	22Hr	44	-	44	
TOTAL		48	40	44	-	46		44	-	44	

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)	
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

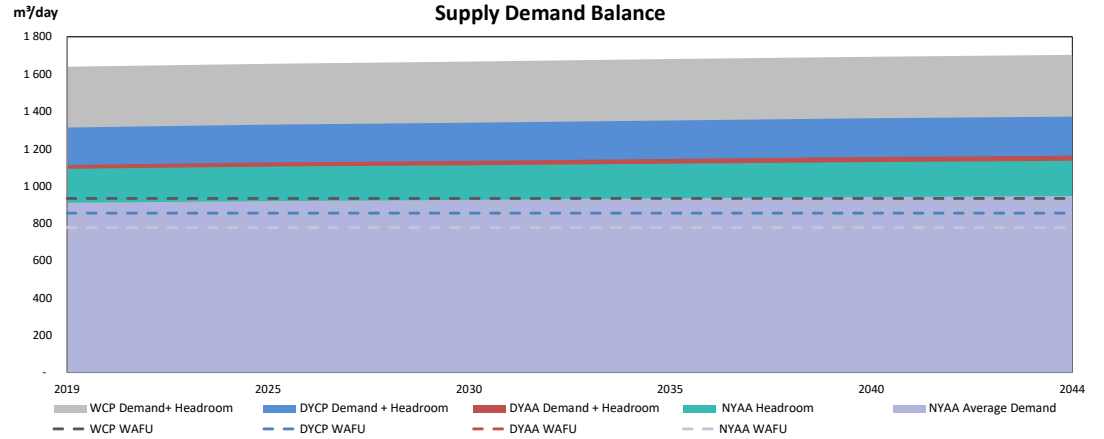
Base Demand in	2019
Domestic Demand (m³/day)	225
Non-Domestic Demand (m³/day)	75
Operational Use (m³/day)	8
Apparent Losses (m³/day)	4
Leakage (m³/day)	598
Demand (m³/day)	911

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

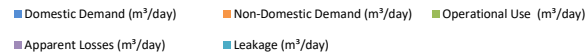


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	911	182	1 093	1 113	1 314	1 639
2025	920	184	1 104	1 126	1 328	1 655
2030	927	185	1 112	1 136	1 340	1 668
2035	934	187	1 120	1 146	1 352	1 681
2040	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	778	778	856	934 -	315 -	335 -	458 -	705	
2025	778	778	856	934 -	325 -	347 -	472 -	721	
2030	778	778	856	934 -	334 -	357 -	484 -	734	
2035	778	778	856	934 -	342 -	367 -	496 -	747	
2040	778	778	856	934 -	350 -	377 -	507 -	759	
2044	778	778	856	934 -	357 -	384 -	516 -	769	

WRZ CODE	1300SC0026	WRZ Name	Lios Cearnaigh PWS 052D	Study Area	H	Study Group		Local Authority	Kerry



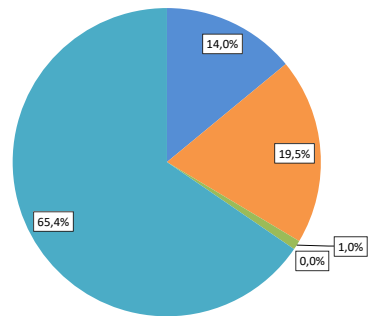
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	57	11	68	70	82	101
2025	57	11	69	70	83	101
2030	58	12	69	70	83	101
2035	58	12	69	71	83	101
2040	58	12	69	71	84	101
2044	58	12	69	71	84	101

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)		
2019	120	120	132	144	52	50	50	49		
2025	120	120	132	144	51	50	49	48		
2030	120	120	132	144	51	50	49	48		
2035	120	120	132	144	51	49	49	48		
2040	120	120	132	144	51	49	48	47		
2044	120	120	132	144	51	49	48	47		

WRZ CODE	1300SC0027	WRZ Name	Lauragh PWS 051A	Study Area	I	Study Group		Local Authority	Kerry

Base Demand in	2019
Domestic Demand (m³/day)	12
Non-Domestic Demand (m³/day)	17
Operational Use (m³/day)	1
Apparent Losses (m³/day)	-
Leakage (m³/day)	56
Demand (m³/day)	85

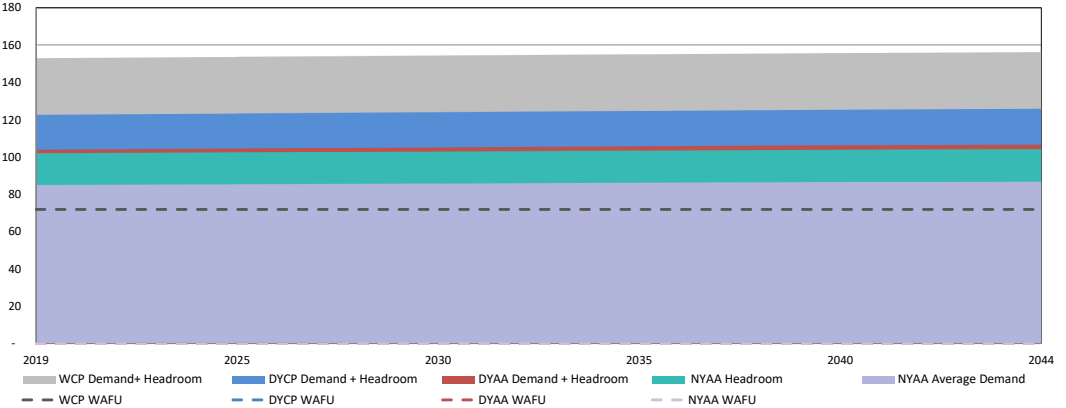
Components of Base Demand 2019



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

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	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

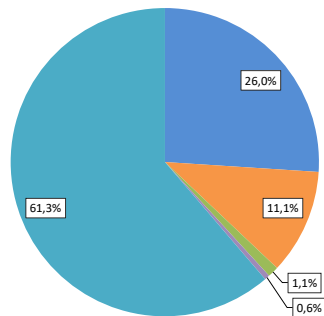
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	0	0	0	72 -	102 -	104 -	123 -	81
2025	0	0	0	72 -	103 -	105 -	123 -	82
2030	0	0	0	72 -	103 -	105 -	124 -	82
2035	0	0	0	72 -	103 -	106 -	125 -	83
2040	0	0	0	72 -	104 -	106 -	125 -	84
2044	0	0	0	72 -	104 -	107 -	126 -	84

WRZ CODE	1300SC0028	WRZ Name	Ce Bhreannain	Study Area	H	Study Group	Local Authority	Kerry

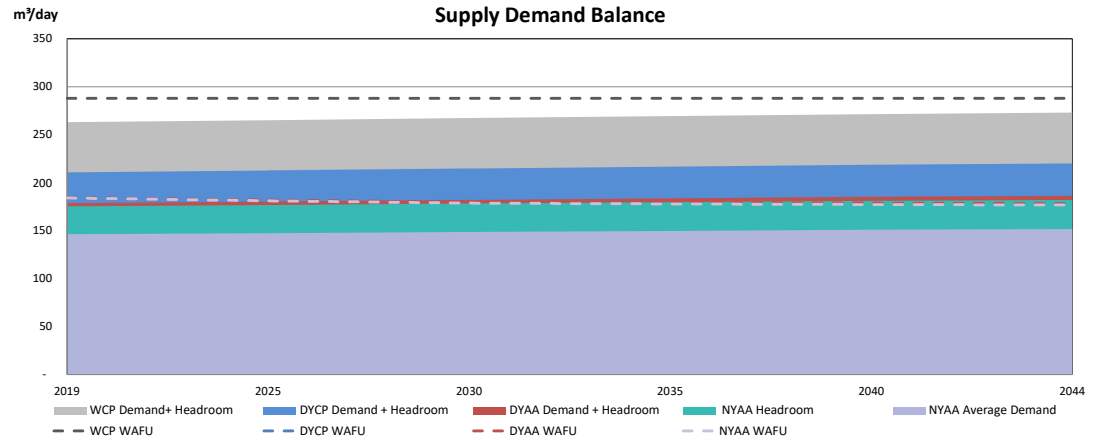
Base Demand in	2019
Domestic Demand (m³/day)	38
Non-Domestic Demand (m³/day)	16
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	90
Demand (m³/day)	146

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	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

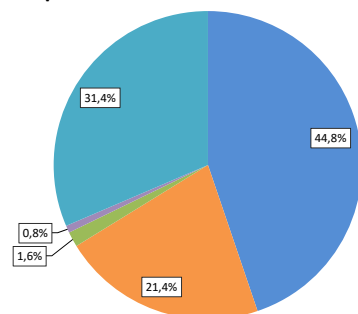
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	184	185	185	288	9	6 -	26	2	
2025	181	182	182	288	5	2 -	31	2	
2030	179	180	180	288	1 -	2 -	35	2	
2035	178	179	179	288 -	2 -	4 -	37	1	
2040	177	179	179	288 -	4 -	7 -	40	1	
2044	177	178	178	288 -	5 -	8 -	42	1	

WRZ CODE	1300SC0029	WRZ Name	Kilgarvan	Study Area	I	Study Group	Local Authority	Kerry

Base Demand in	2019
Domestic Demand (m³/day)	157
Non-Domestic Demand (m³/day)	75
Operational Use (m³/day)	6
Apparent Losses (m³/day)	3
Leakage (m³/day)	110
Demand (m³/day)	351

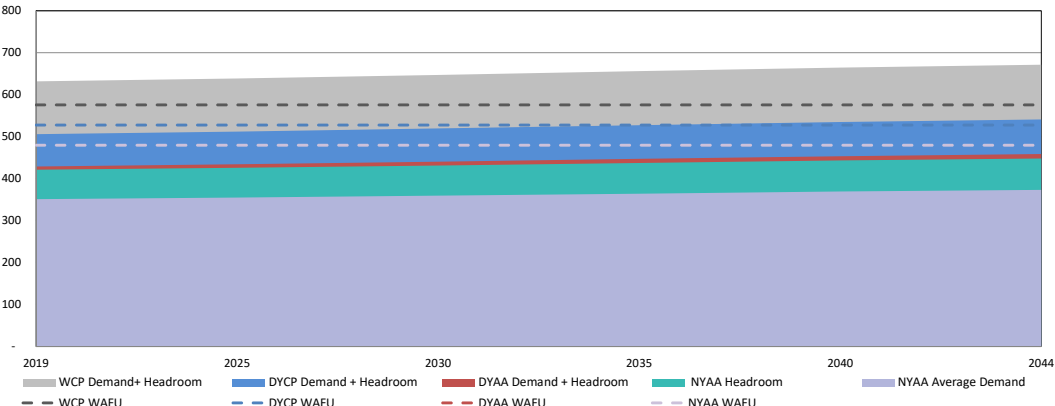
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

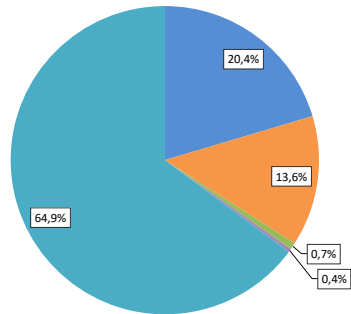
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

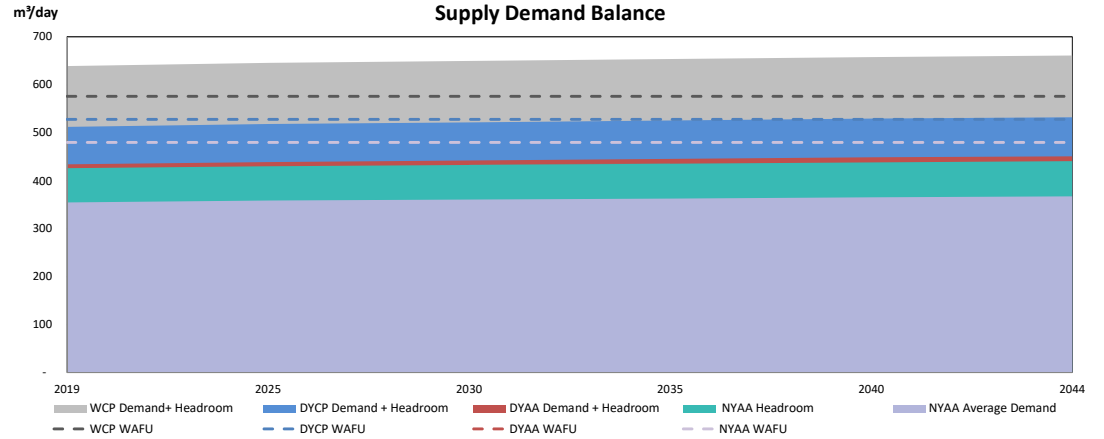
Base Demand in	2019
Domestic Demand (m³/day)	72
Non-Domestic Demand (m³/day)	48
Operational Use (m³/day)	3
Apparent Losses (m³/day)	1
Leakage (m³/day)	230
Demand (m³/day)	355

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)

Supply Demand Balance

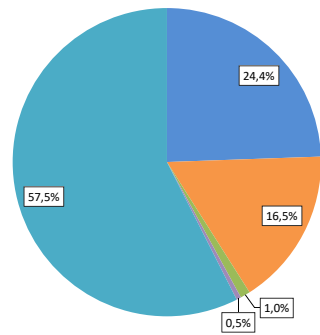
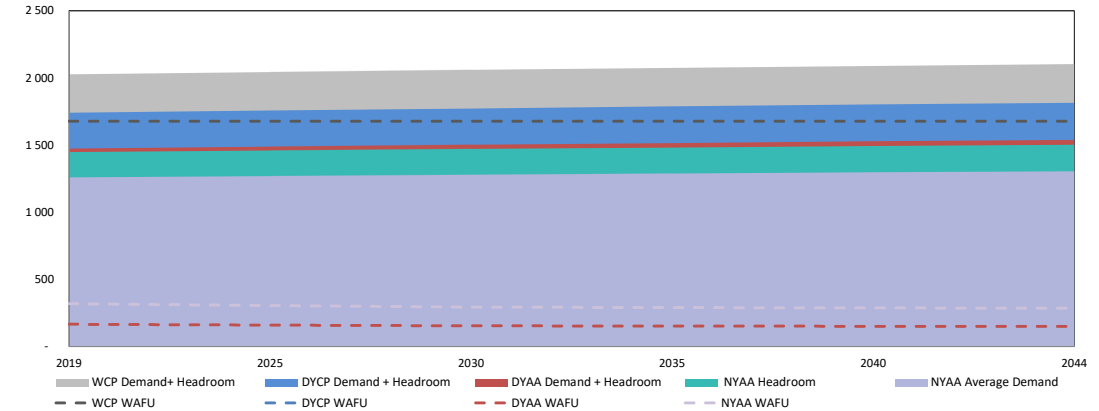


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	355	71	426	434	512	639
2025	359	72	430	439	518	645
2030	361	72	433	442	522	649
2035	363	73	436	445	526	653
2040	365	73	438	449	529	658
2044	367	73	441	451	532	661

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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

 m^3/day 

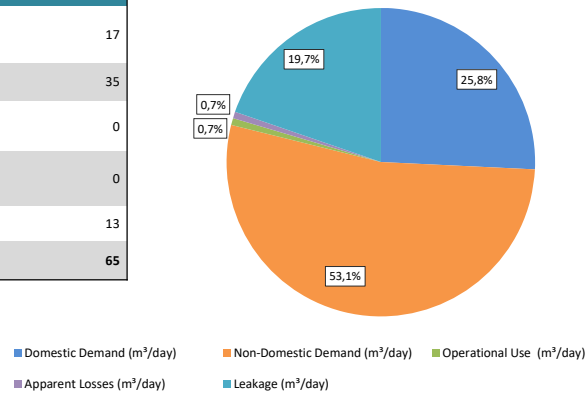
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	320	167	167	1 680 -	1 128 -	1 308 -	1 573 -	34	
2025	306	161	161	1 680 -	1 154 -	1 329 -	1 597 -	36	
2030	295	155	155	1 680 -	1 176 -	1 347 -	1 618 -	38	
2035	292	154	154	1 680 -	1 190 -	1 362 -	1 635 -	39	
2040	289	152	152	1 680 -	1 204 -	1 376 -	1 651 -	41	
2044	286	151	151	1 680 -	1 216 -	1 387 -	1 664 -	42	

WRZ CODE	1400SC0004	WRZ Name	Ardcarraig Clogherinkoe	Study Area	4	Study Group		Local Authority	Kildare

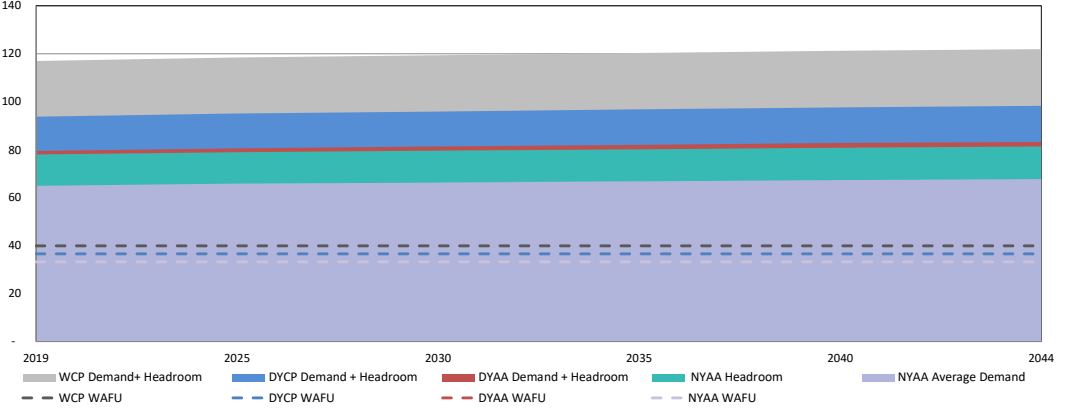
Base Demand in	2019
Domestic Demand (m³/day)	17
Non-Domestic Demand (m³/day)	35
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	13
Demand (m³/day)	65

Components of Base Demand 2019



m³/day

Supply Demand Balance



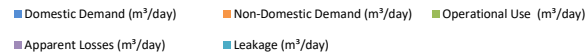
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	65	13	78	79	94	117
2025	66	13	79	81	95	118
2030	66	13	80	81	96	119
2035	67	13	80	82	97	120
2040	67	13	81	83	98	121
2044	68	14	81	83	98	122

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
WTP1000043	Ardcarraig WTP	40	33	37	No Licence	38	22Hr	37	-	37	
TOTAL		40	33	37	-	38		37	-	37	

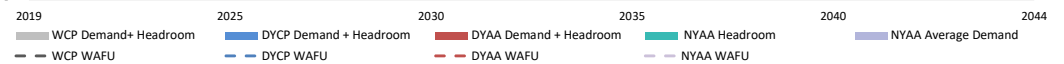
Year	WAFU				Supply Demand Balance				
	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	33	33	37	40	45	46	57	77	
2025	33	33	37	40	46	47	58	78	
2030	33	33	37	40	46	48	59	79	
2035	33	33	37	40	47	49	60	80	
2040	33	33	37	40	48	49	61	81	
2044	33	33	37	40	48	50	62	82	

WRZ CODE	1400SC0005	WRZ Name	Clonuff	Study Area	4	Study Group		Local Authority	Kildare

Components of Base Demand 2019



Supply Demand Balance



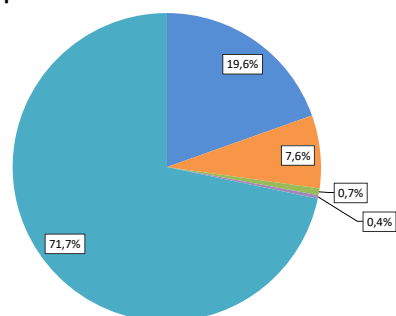
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	13	13	14	15	3	2	2	2		
2025	13	13	14	15	3	2	2	2		
2030	13	13	14	15	2	2	2	2 -		
2035	13	13	14	15	2	2	2	1 -		
2040	13	13	14	15	2	2	2	1 -		
2044	13	13	14	15	2	2	2	1 -		

WRZ CODE	1500SC0002	WRZ Name	Glenmore PWS	Study Area	L	Study Group	Local Authority	Kilkenny

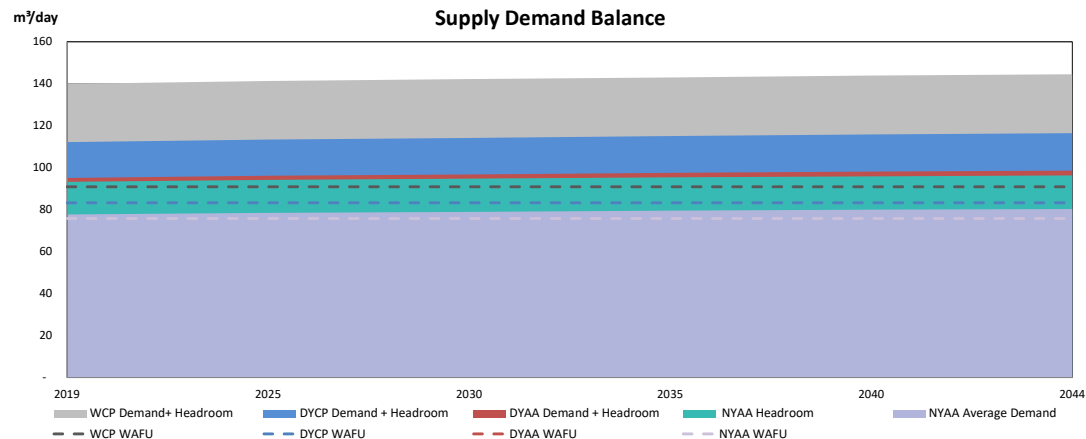
Base Demand in	2019
Domestic Demand (m ³ /day)	15
Non-Domestic Demand (m ³ /day)	6
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	56
Demand (m³/day)	78

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

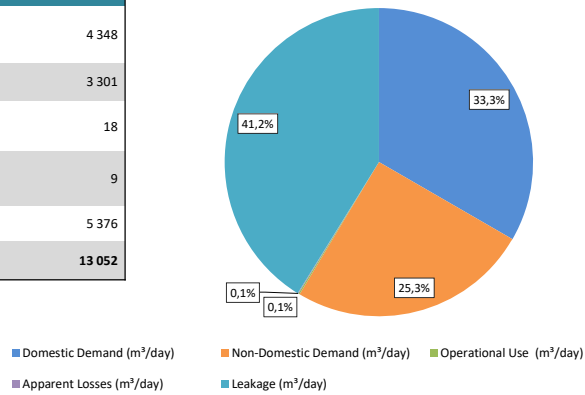
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

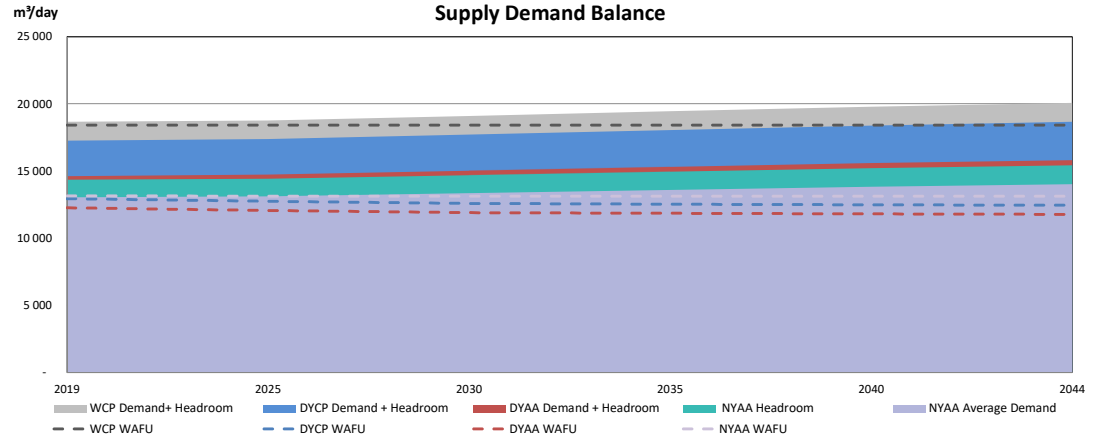
WRZ CODE	1500SC0003	WRZ Name	Kilkenny City & Bennettsbridge	Study Area	L	Study Group	Local Authority	Kilkenny

Base Demand in	2019
Domestic Demand (m³/day)	4 348
Non-Domestic Demand (m³/day)	3 301
Operational Use (m³/day)	18
Apparent Losses (m³/day)	9
Leakage (m³/day)	5 376
Demand (m³/day)	13 052

Components of Base Demand 2019



Supply Demand Balance



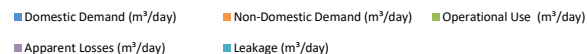
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	13 052	1 305	14 358	14 627	17 258	18 665
2025	13 127	1 313	14 440	14 731	17 381	18 772
2030	13 367	1 337	14 704	15 017	17 720	19 115
2035	13 607	1 361	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 (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
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	138 779		12 471	-	12 471	

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)	
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

Components of Base Demand 2019



Supply Demand Balance

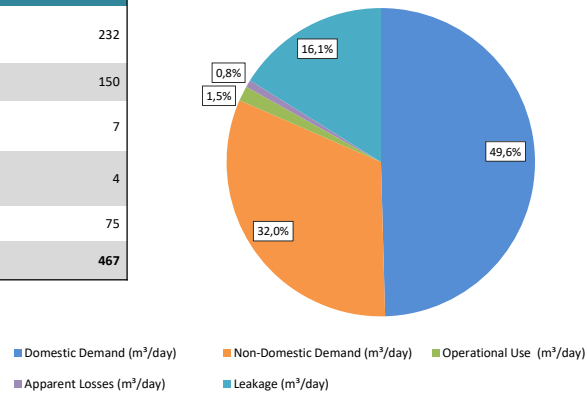


Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000392	Callan WTP	1 080	900	990	No Licence	1 034	22Hr	990	-	990	
TOTAL		1 080	900	990	-	1 034		990	-	990	

WRZ CODE	1500SC0006	WRZ Name	Urlingford-Johnstown PWS	Study Area	6	Study Group		Local Authority	Kilkenny

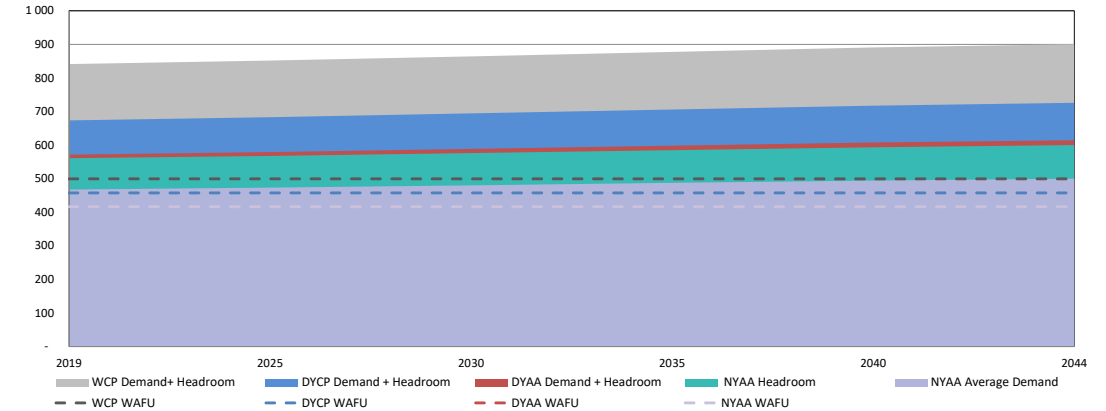
Base Demand in	2019
Domestic Demand (m³/day)	232
Non-Domestic Demand (m³/day)	150
Operational Use (m³/day)	7
Apparent Losses (m³/day)	4
Leakage (m³/day)	75
Demand (m³/day)	467

Components of Base Demand 2019



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	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	1500SC0009	WRZ Name	Clogh-Castlecomer	Study Area	6	Study Group		Local Authority	Kilkenny



■ 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	1 319	198	1 516	1 545	1 823	2 120
2025	1 300	195	1 495	1 526	1 800	2 090
2030	1 317	198	1 514	1 547	1 825	2 120
2035	1 333	200	1 533	1 568	1 850	2 140
2040	1 350	202	1 552	1 589	1 875	2 170
2044	1 363	204	1 567	1 605	1 895	2 190

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)	
2019	910	910	985	1 350 -	607 -	635 -	838 -	77	
2025	907	908	983	1 350 -	588 -	618 -	817 -	74	
2030	905	906	981	1 350 -	609 -	641 -	844 -	77	
2035	904	905	980	1 350 -	629 -	662 -	870 -	79	
2040	904	905	980	1 350 -	648 -	684 -	895 -	82	
2044	903	905	980	1 350 -	664 -	700 -	915 -	84	

WRZ CODE	1500SC0012	WRZ Name	Gowran-Goresbridge-	Study Area	L	Study Group		Local Authority	Kilkenny

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

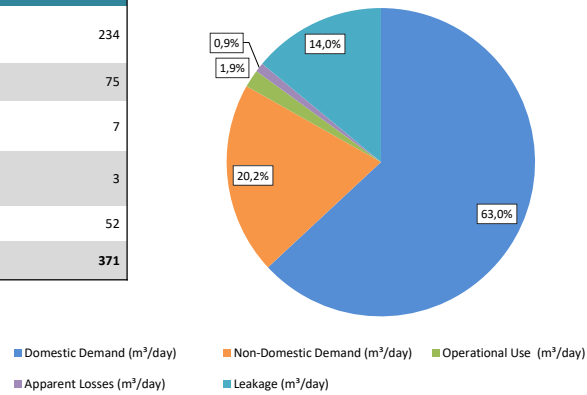
Water Available for Use in 2044 DYCP

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)	
2019	921	921	921	1 012	1 139	-	20	-	38	-	119	-	272
2025	921	921	921	1 012	1 139	-	32	-	51	-	134	-	285
2030	920	920	920	1 012	1 139	-	42	-	63	-	148	-	305
2035	920	920	920	1 012	1 139	-	53	-	75	-	163	-	322
2040	920	920	920	1 012	1 139	-	64	-	88	-	177	-	338
2044	920	920	920	1 012	1 139	-	73	-	97	-	189	-	351

WRZ CODE	1500SC0013	WRZ Name	Graiguenamanagh PWS	Study Area	L	Study Group	Local Authority	Kilkenny

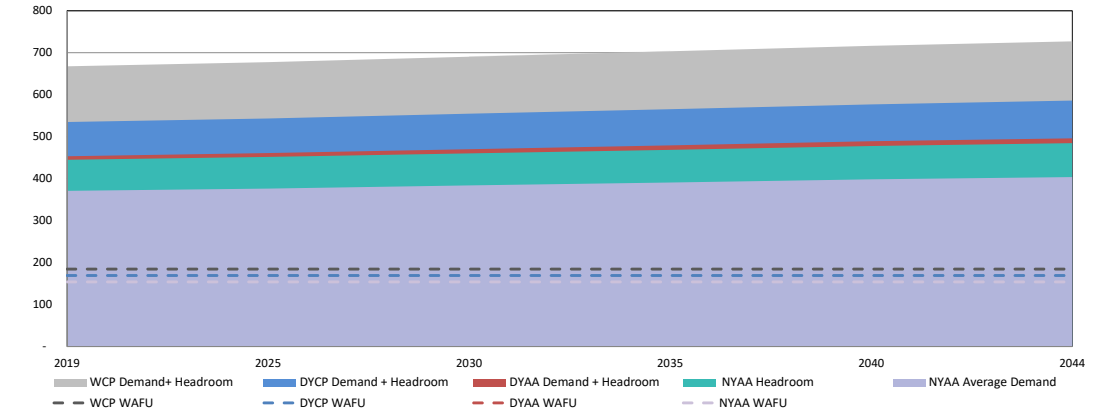
Base Demand in	2019
Domestic Demand (m³/day)	234
Non-Domestic Demand (m³/day)	75
Operational Use (m³/day)	7
Apparent Losses (m³/day)	3
Leakage (m³/day)	52
Demand (m³/day)	371

Components of Base Demand 2019



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	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

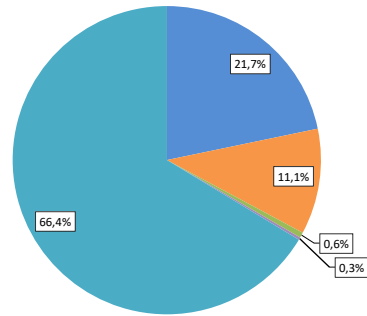
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	154	154	170	185	-	291	-	299	-
2025	154	154	170	185	-	298	-	307	-
2030	154	154	170	185	-	306	-	316	-
2035	154	154	170	185	-	315	-	325	-
2040	154	154	170	185	-	324	-	335	-
2044	154	154	170	185	-	331	-	342	-

WRZ CODE	1500SC0018	WRZ Name	Galmoy Rathdowney PWS	Study Area	6	Study Group		Local Authority	Kilkenny

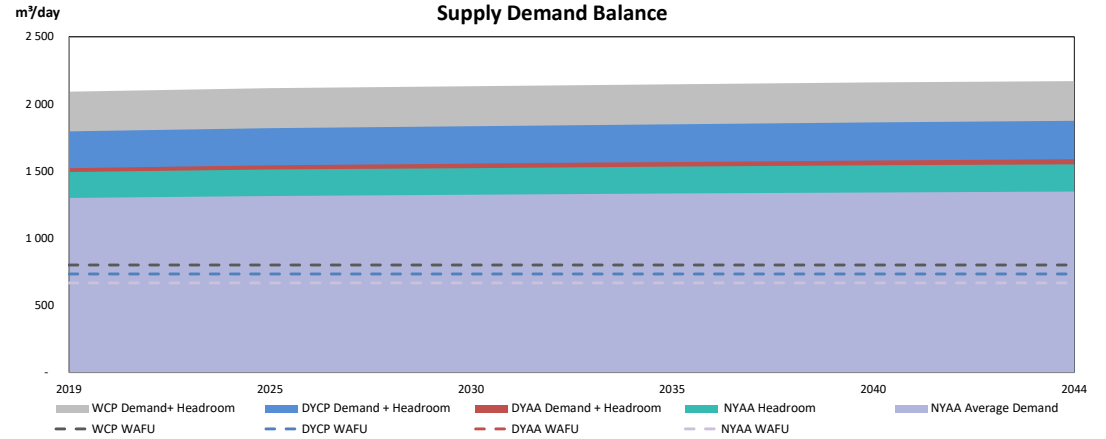
Base Demand in	2019
Domestic Demand (m³/day)	282
Non-Domestic Demand (m³/day)	144
Operational Use (m³/day)	7
Apparent Losses (m³/day)	4
Leakage (m³/day)	862
Demand (m³/day)	1 299

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

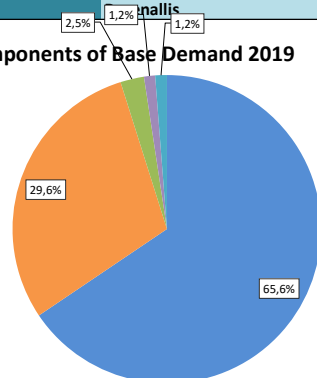
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	669	669	736	803	-	825	-	853	-	1 289
2025	669	669	736	803	-	844	-	874	-	1 315
2030	669	669	736	803	-	854	-	886	-	1 329
2035	669	669	736	803	-	864	-	898	-	1 343
2040	669	669	736	803	-	874	-	911	-	1 357
2044	669	669	736	803	-	882	-	919	-	1 368

WRZ CODE	1600SC0003	WRZ Name	Study Area	6	Study Group	Local Authority	Laois

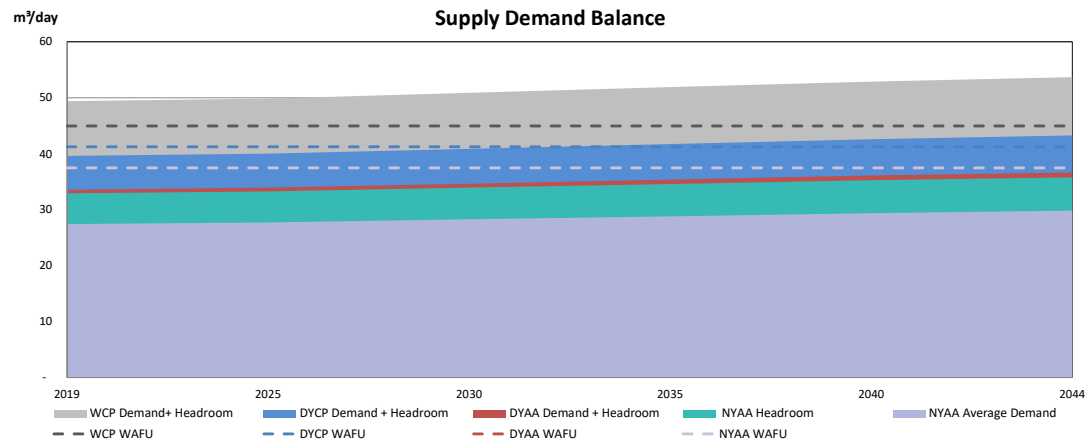
Base Demand in	2019
Domestic Demand (m ³ /day)	18
Non-Domestic Demand (m ³ /day)	8
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	0
Demand (m³/day)	27

Components of Base Demand 2019



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	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	Rosenallis 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	1600SC0005	WRZ Name	Portarlington	Study Area	6	Study Group		Local Authority	Laois

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)

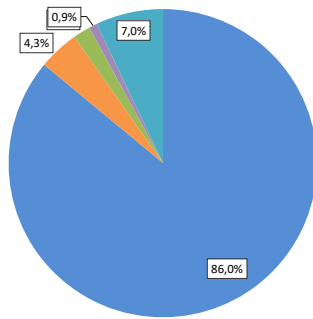
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	3 384	508	3 891	3 964	4 678	5 448
2025	3 289	493	3 782	3 858	4 552	5 295
2030	3 336	500	3 836	3 918	4 623	5 370
2035	3 382	507	3 890	3 978	4 693	5 446
2040	3 429	514	3 944	4 038	4 763	5 521
2044	3 467	520	3 987	4 082	4 819	5 581

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)	
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 -	3 133	

WRZ CODE	1600SC0006	WRZ Name	Arles	Study Area	6	Study Group		Local Authority	Laois

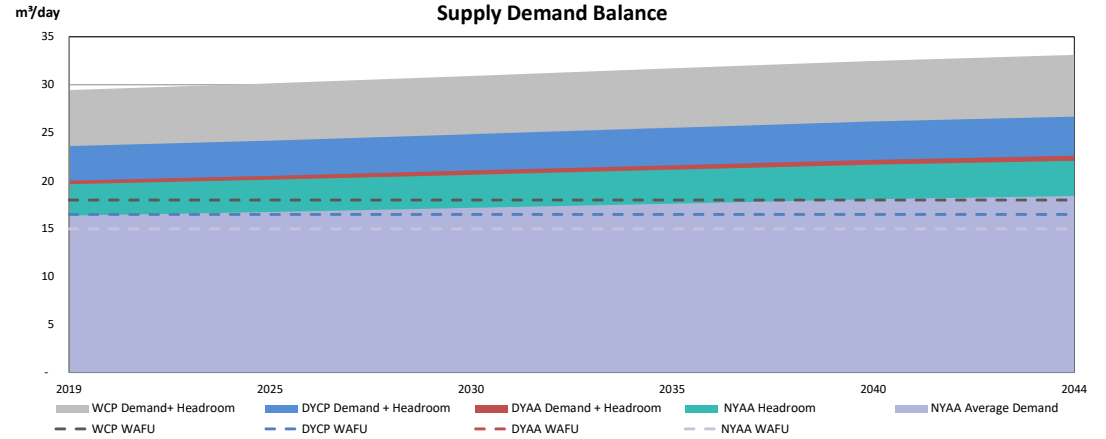
Base Demand in	2019
Domestic Demand (m ³ /day)	14
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	1
Demand (m³/day)	16

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	20	21	24	30
2030	17	3	21	21	25	31
2035	18	4	21	22	26	32
2040	18	4	22	22	26	32
2044	18	4	22	23	27	33

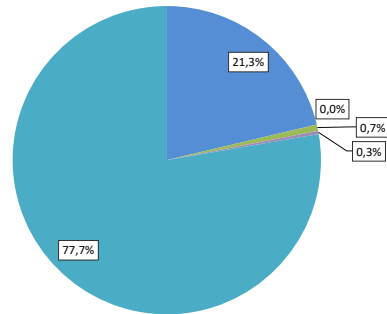
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

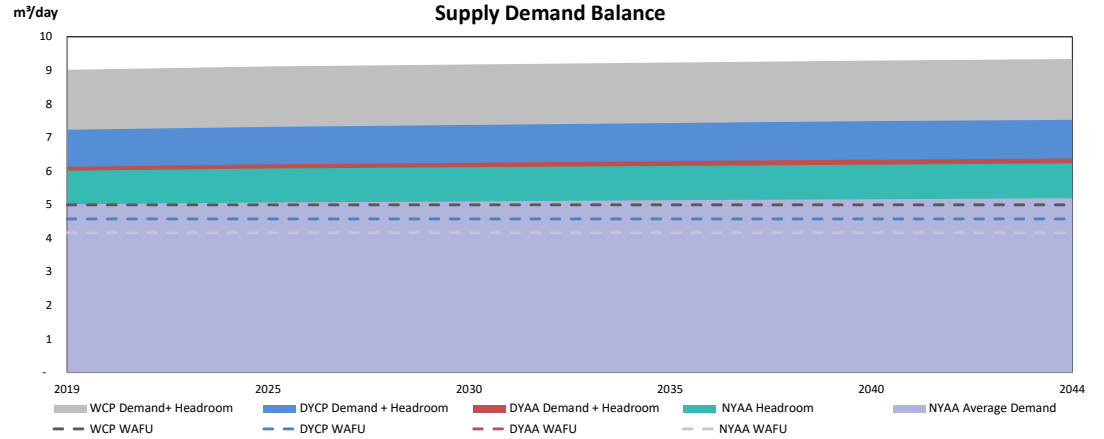
Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	4
Demand (m³/day)	5

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

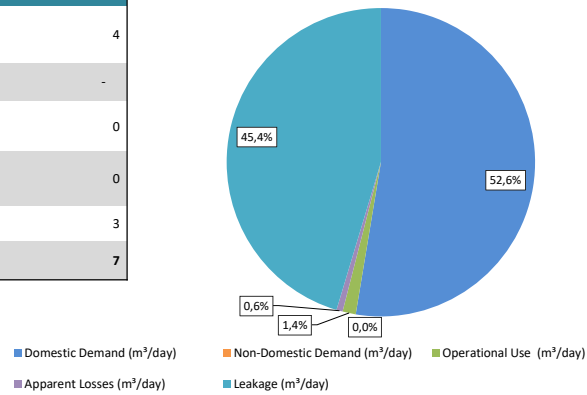
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

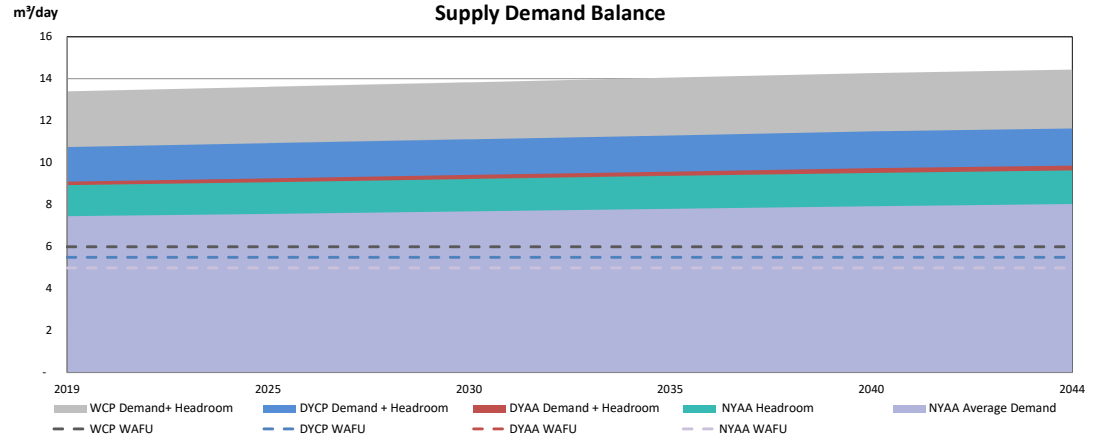
WRZ CODE	1600SC0008	WRZ Name	Coolenaugh PWS	Study Area	6	Study Group		Local Authority	Laois

Base Demand in	2019
Domestic Demand (m³/day)	4
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	3
Demand (m³/day)	7

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	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

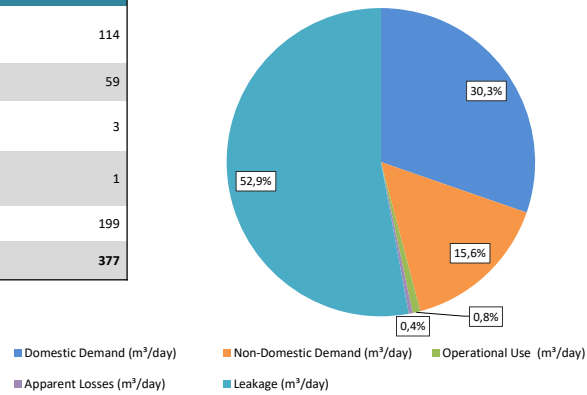
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

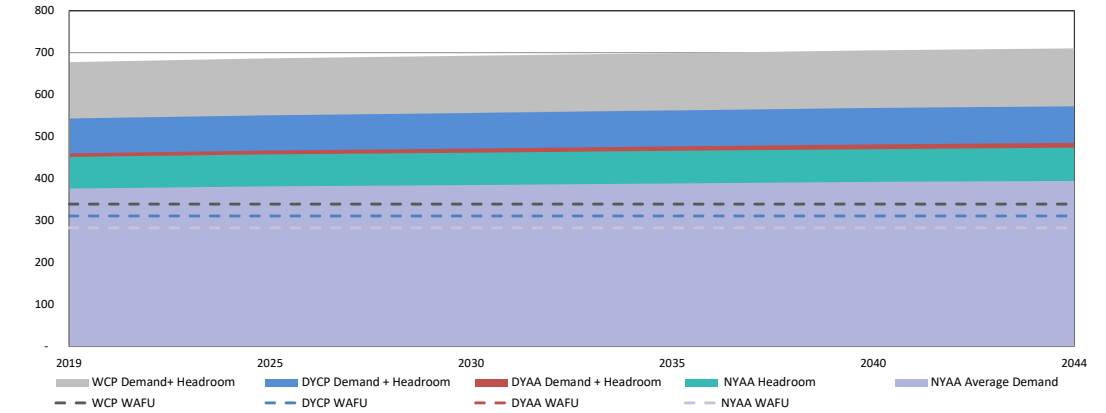
Base Demand in	2019
Domestic Demand (m³/day)	114
Non-Domestic Demand (m³/day)	59
Operational Use (m³/day)	3
Apparent Losses (m³/day)	1
Leakage (m³/day)	199
Demand (m³/day)	377

Components of Base Demand 2019



m³/day

Supply Demand Balance



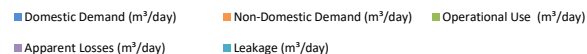
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	377	75	452	460	543	678
2025	381	76	458	467	551	687
2030	385	77	462	472	557	693
2035	389	78	466	477	563	699
2040	392	78	470	482	568	706
2044	395	79	474	485	573	711

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	283	283	312	340	169	177	232	338		
2025	283	283	312	340	174	184	239	347		
2030	283	283	312	340	179	189	245	353		
2035	283	283	312	340	183	193	251	359		
2040	283	283	312	340	187	198	257	366		
2044	283	283	312	340	191	202	261	371		

WRZ CODE	1600SC0014	WRZ Name	South East Regional PWS	Study Area	6	Study Group		Local Authority	Laois

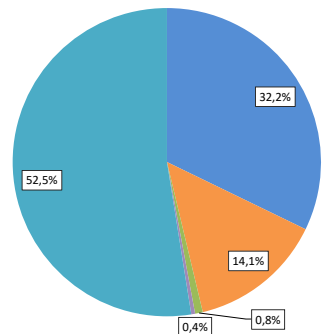
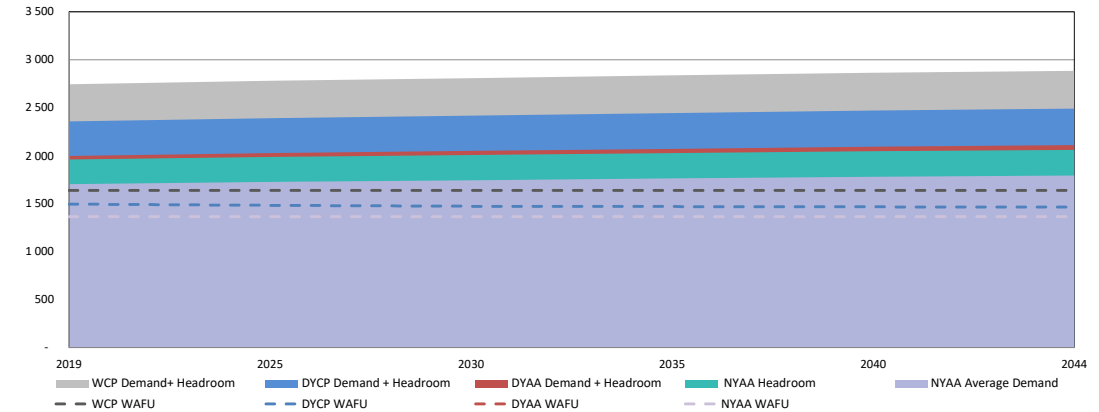
Components of Base Demand 2019



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	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

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)		
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		

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

m³/day

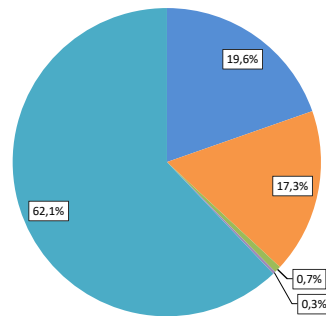
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	1 367	1 367	1 497	1 640 -	594 -	631 -	860 -	1 104	
2025	1 367	1 367	1 485	1 640 -	620 -	660 -	907 -	1 144	
2030	1 367	1 367	1 475	1 640 -	640 -	683 -	944 -	1 116	
2035	1 367	1 367	1 471	1 640 -	660 -	705 -	973 -	1 119	
2040	1 367	1 367	1 469	1 640 -	679 -	728 -	1 002 -	1 224	
2044	1 367	1 367	1 466	1 640 -	695 -	744 -	1 025 -	1 244	

WRZ CODE	1600SC0017	WRZ Name	Abbeyliex South	Study Area	6	Study Group		Local Authority	Laois

Base Demand in	2019
Domestic Demand (m³/day)	82
Non-Domestic Demand (m³/day)	73
Operational Use (m³/day)	3
Apparent Losses (m³/day)	1
Leakage (m³/day)	261
Demand (m³/day)	420

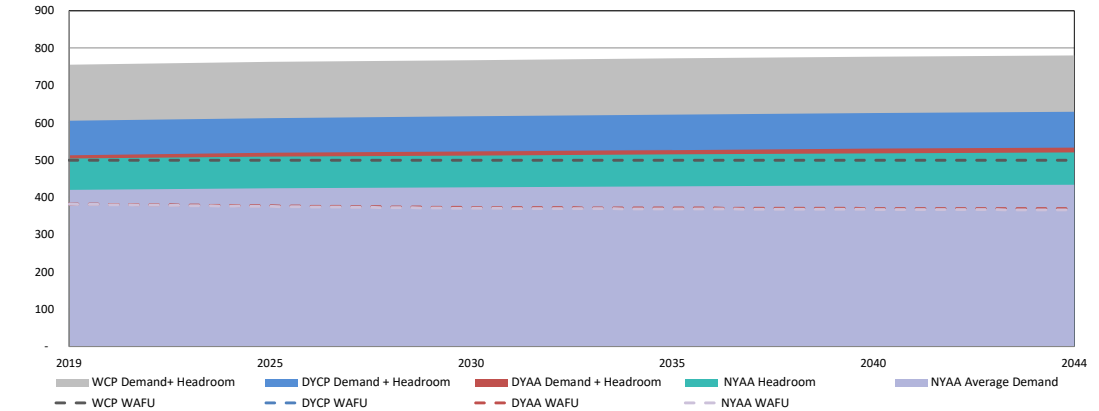
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

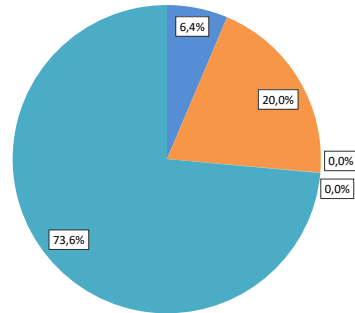
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	382	383	383	500 -	122 -	130 -	223 -	256	
2025	376	378	378	500 -	133 -	142 -	235 -	263	
2030	371	373	373	500 -	141 -	150 -	244 -	268	
2035	369	372	372	500 -	146 -	155 -	250 -	273	
2040	368	371	371	500 -	150 -	160 -	255 -	277	
2044	367	370	370	500 -	154 -	163 -	259 -	281	

WRZ CODE	1600SC0018	WRZ Name	Ballinakill	Study Area	6	Study Group		Local Authority	Laois

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

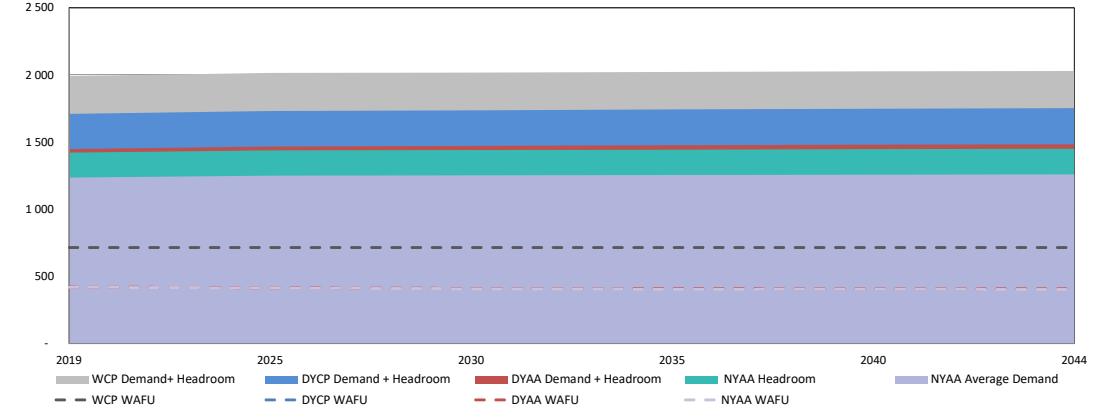
Components of Base Demand 2019



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

m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m 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

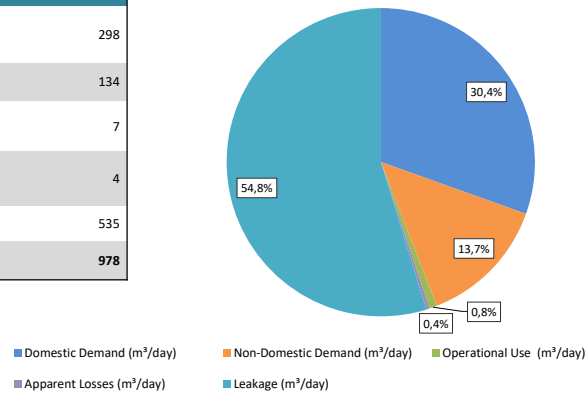
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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

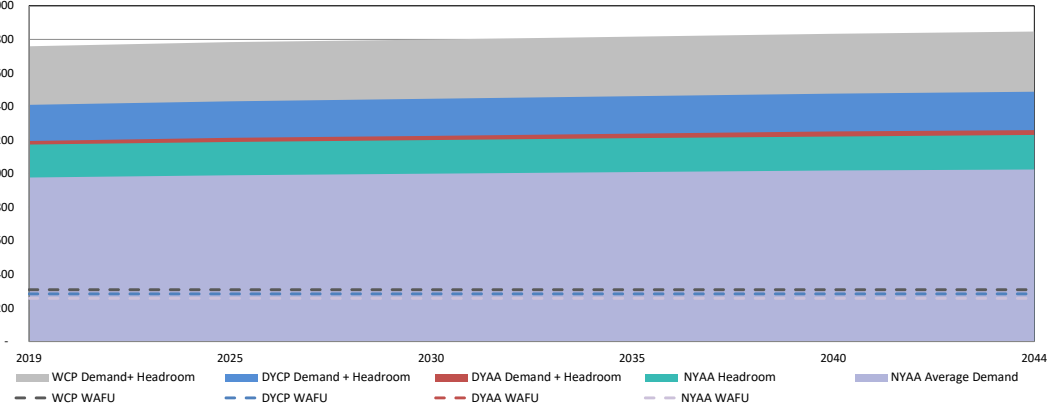
Base Demand in	2019
Domestic Demand (m³/day)	298
Non-Domestic Demand (m³/day)	134
Operational Use (m³/day)	7
Apparent Losses (m³/day)	4
Leakage (m³/day)	535
Demand (m³/day)	978

Components of Base Demand 2019



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	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

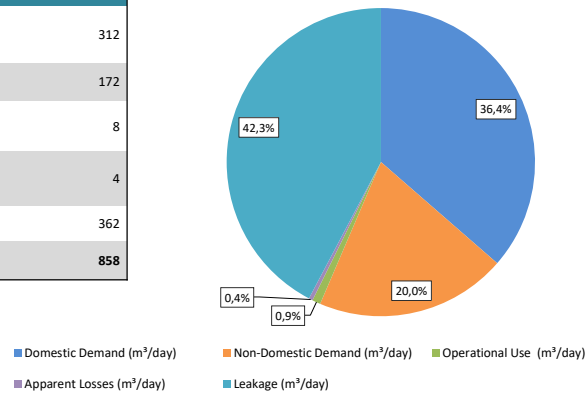
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

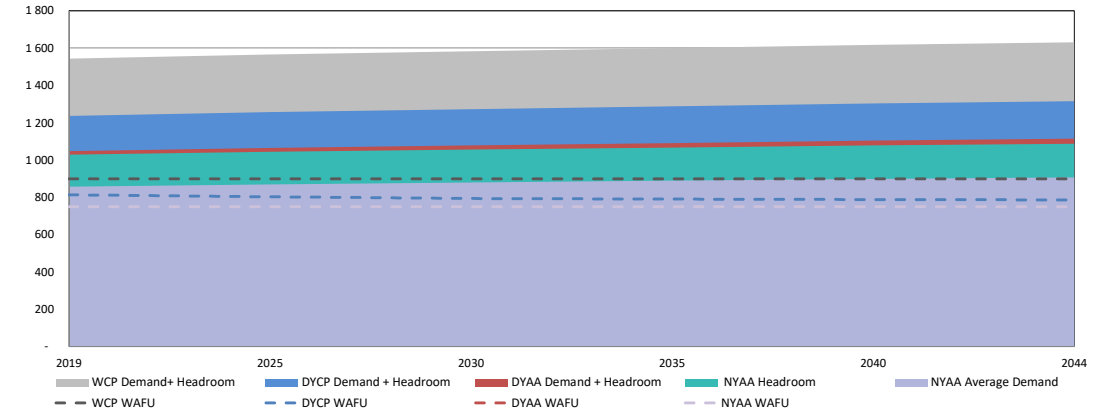
Base Demand in	2019
Domestic Demand (m³/day)	312
Non-Domestic Demand (m³/day)	172
Operational Use (m³/day)	8
Apparent Losses (m³/day)	4
Leakage (m³/day)	362
Demand (m³/day)	858

Components of Base Demand 2019



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	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

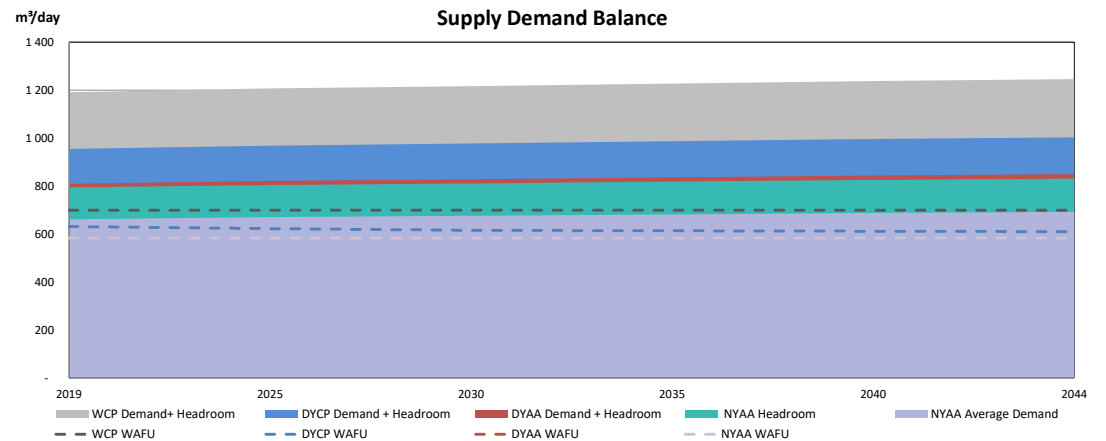
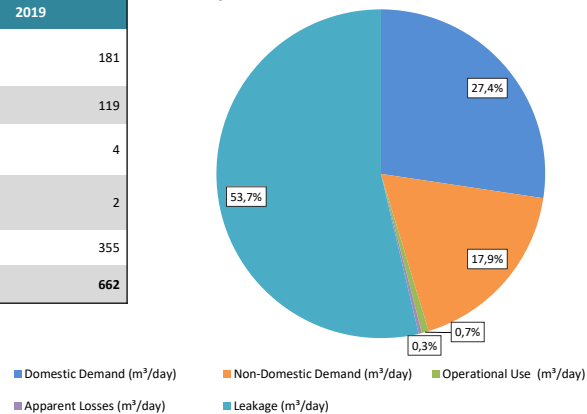
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	181
Non-Domestic Demand (m³/day)	119
Operational Use (m³/day)	4
Apparent Losses (m³/day)	2
Leakage (m³/day)	355
Demand (m³/day)	662

Components of Base Demand 2019



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	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

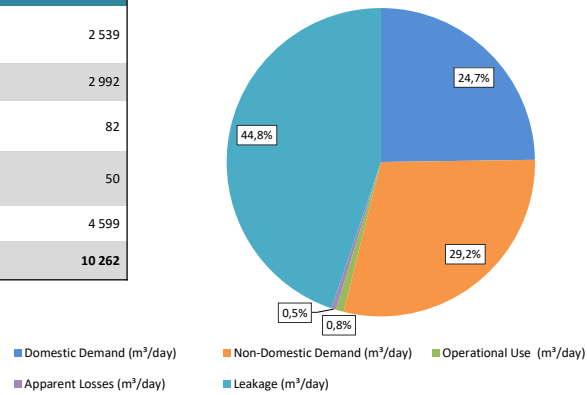
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000276	Ballyroan WTP	700	583	642	No Licence	617	Yield	611	-	611	

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)		
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

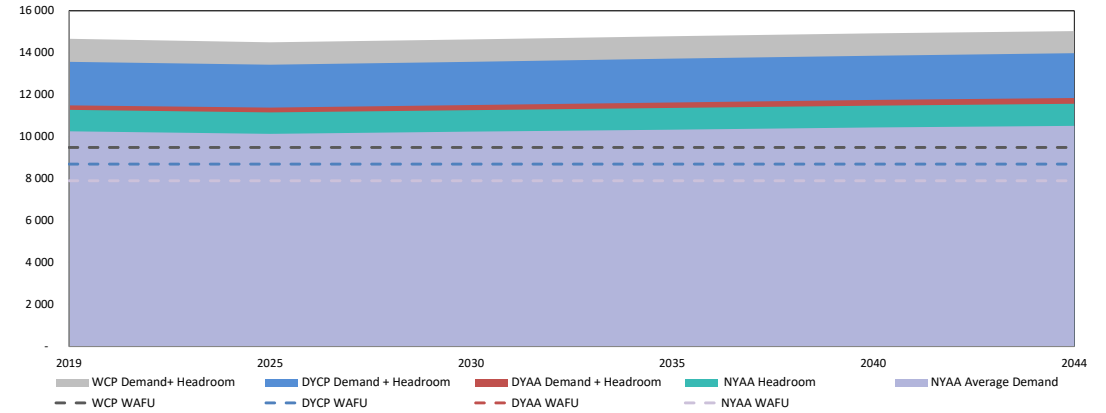
Base Demand in	2019
Domestic Demand (m³/day)	2 539
Non-Domestic Demand (m³/day)	2 992
Operational Use (m³/day)	82
Apparent Losses (m³/day)	50
Leakage (m³/day)	4 599
Demand (m³/day)	10 262

Components of Base Demand 2019



m³/day

Supply Demand Balance

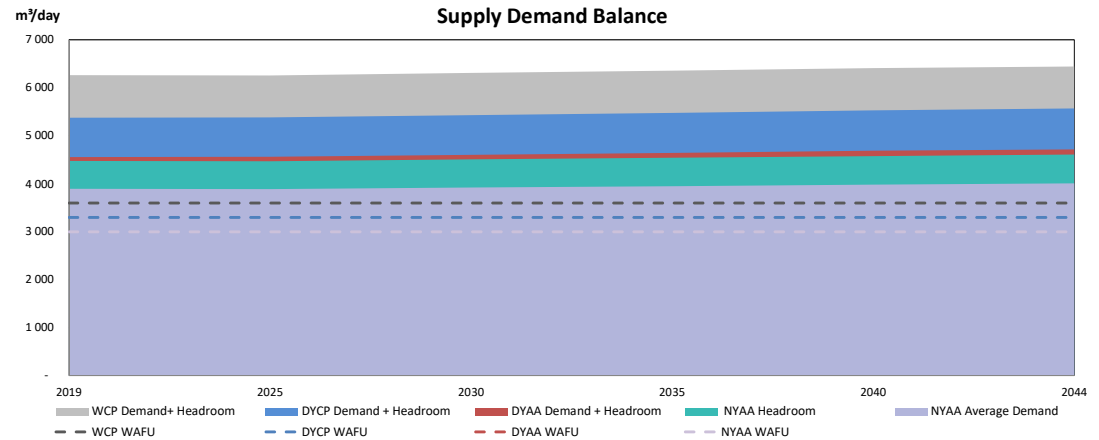


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	10 262	1 026	11 288	11 499	13 568	14 674
2025	10 143	1 014	11 157	11 381	13 429	14 504
2030	10 241	1 024	11 265	11 505	13 575	14 644
2035	10 339	1 034	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



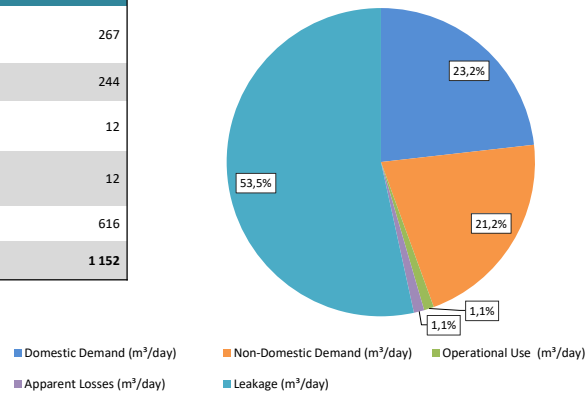
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	3 000	3 000	3 300	3 600 -	1 475 -	1 558 -	2 079 -	2 660 -		
2025	3 000	3 000	3 300	3 600 -	1 470 -	1 560 -	2 080 -	2 650 -		
2030	3 000	3 000	3 300	3 600 -	1 505 -	1 601 -	2 129 -	2 700 -		
2035	3 000	3 000	3 300	3 600 -	1 541 -	1 643 -	2 179 -	2 750 -		
2040	3 000	3 000	3 300	3 600 -	1 577 -	1 686 -	2 228 -	2 800 -		
2044	3 000	3 000	3 300	3 600 -	1 605 -	1 715 -	2 267 -	2 840 -		

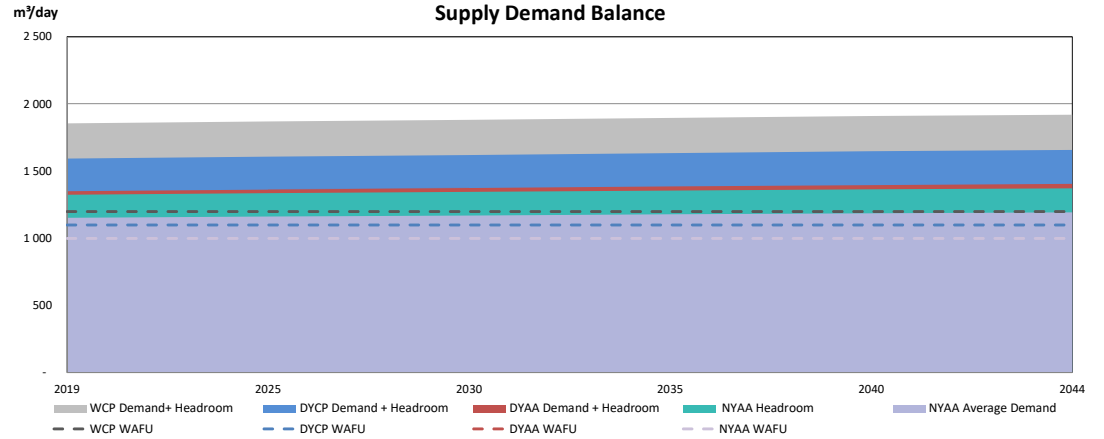
WRZ CODE	1900SC0003	WRZ Name	CappamoreFoileen Water	Study Area	8	Study Group		Local Authority	Limerick

Base Demand in	2019
Domestic Demand (m³/day)	267
Non-Domestic Demand (m³/day)	244
Operational Use (m³/day)	12
Apparent Losses (m³/day)	12
Leakage (m³/day)	616
Demand (m³/day)	1 152

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	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

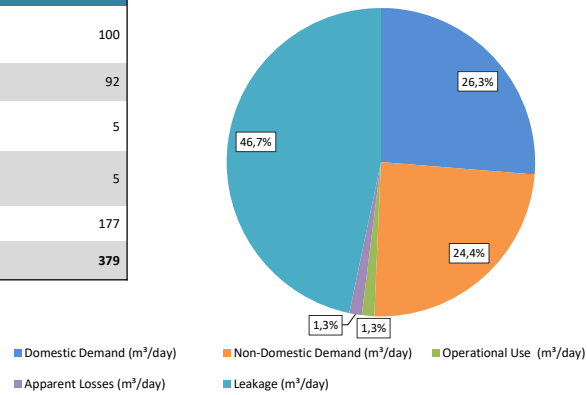
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 -		

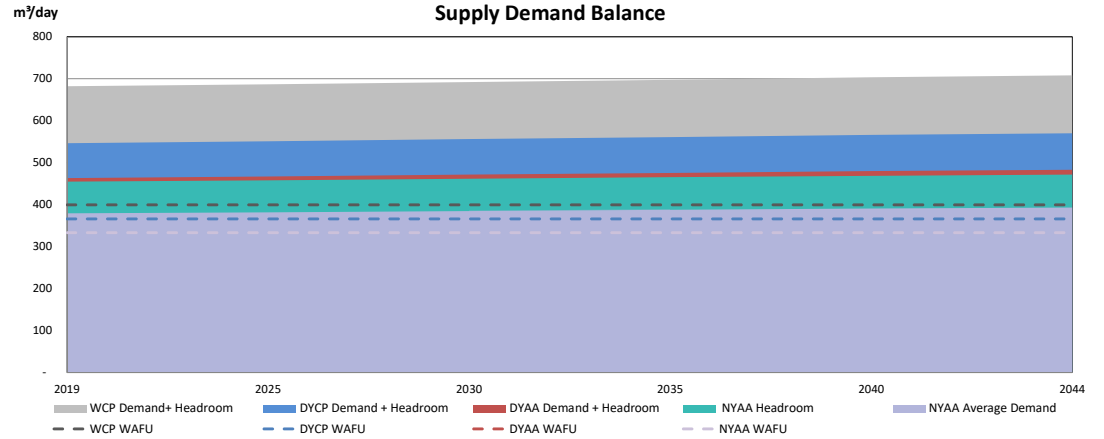
WRZ CODE	1900SC0004	WRZ Name	Doon Water Supply	Study Area	8	Study Group		Local Authority	Limerick

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	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (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	-	282
2025	333	333	367	400	-	125	-	134	-	287
2030	333	333	367	400	-	128	-	138	-	292
2035	333	333	367	400	-	132	-	142	-	298
2040	333	333	367	400	-	136	-	147	-	303
2044	333	333	367	400	-	139	-	150	-	308

WRZ CODE	1900SC0005	WRZ Name	Oola / Pallasgreen	Study Area	8	Study Group		Local Authority	Limerick



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



2019 2025 2030 2035 2040 2044

■ WCP Demand+ Headroom ■ DYCP Demand + Headroom ■ DYAA Demand + Headroom ■ NYAA Headroom ■ NYAA Average Demand

— WCP WAFU — DYCP WAFU — DYAA WAFU — NYAA WAFU

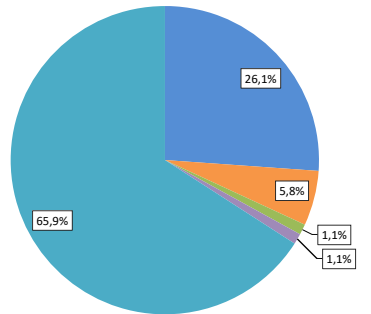
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	938	938	1031	1 125 -	297 -	320 -	453 -	603 -	
2025	938	938	1031	1 125 -	307 -	332 -	467 -	617 -	
2030	938	938	1031	1 125 -	317 -	343 -	480 -	631 -	
2035	938	938	1031	1 125 -	326 -	355 -	494 -	644 -	
2040	938	938	1031	1 125 -	336 -	366 -	507 -	658 -	
2044	938	938	1031	1 125 -	344 -	374 -	517 -	669 -	

WRZ CODE	1900SC0007	WRZ Name	Fedamore Water Supply	Study Area	8	Study Group		Local Authority	Limerick

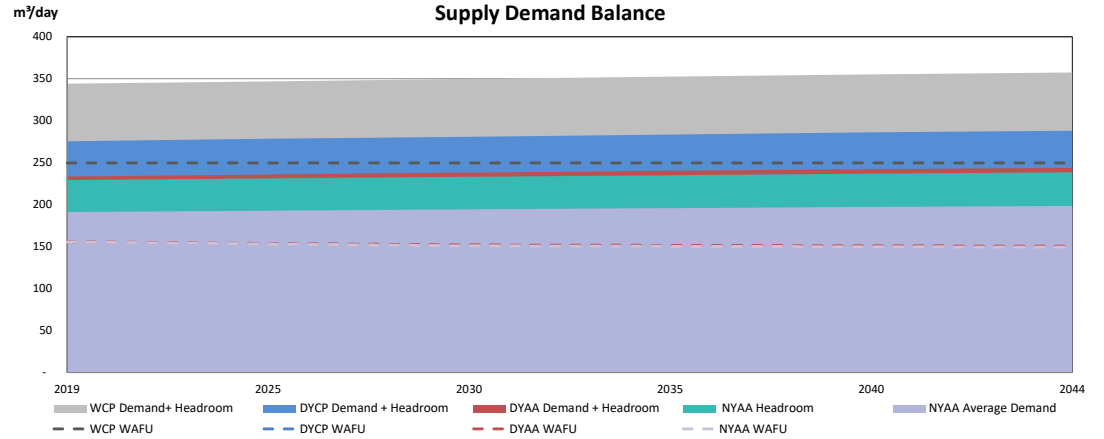
Base Demand in	2019
Domestic Demand (m³/day)	50
Non-Domestic Demand (m³/day)	11
Operational Use (m³/day)	2
Apparent Losses (m³/day)	2
Leakage (m³/day)	126
Demand (m³/day)	191

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

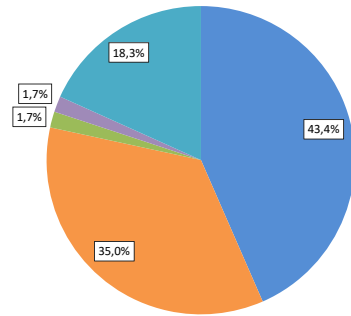
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	156	156	156	250 -	74 -	78 -	120 -	94	
2025	153	154	154	250 -	78 -	82 -	125 -	97	
2030	151	152	152	250 -	82 -	86 -	129 -	100	
2035	151	152	152	250 -	84 -	89 -	132 -	103	
2040	150	151	151	250 -	87 -	91 -	135 -	105	
2044	150	151	151	250 -	89 -	93 -	137 -	108	

WRZ CODE	1900SC0008	WRZ Name	Herbertstown	Study Area	K	Study Group	Local Authority	Limerick

Base Demand in	2019
Domestic Demand (m³/day)	89
Non-Domestic Demand (m³/day)	71
Operational Use (m³/day)	3
Apparent Losses (m³/day)	3
Leakage (m³/day)	37
Demand (m³/day)	204

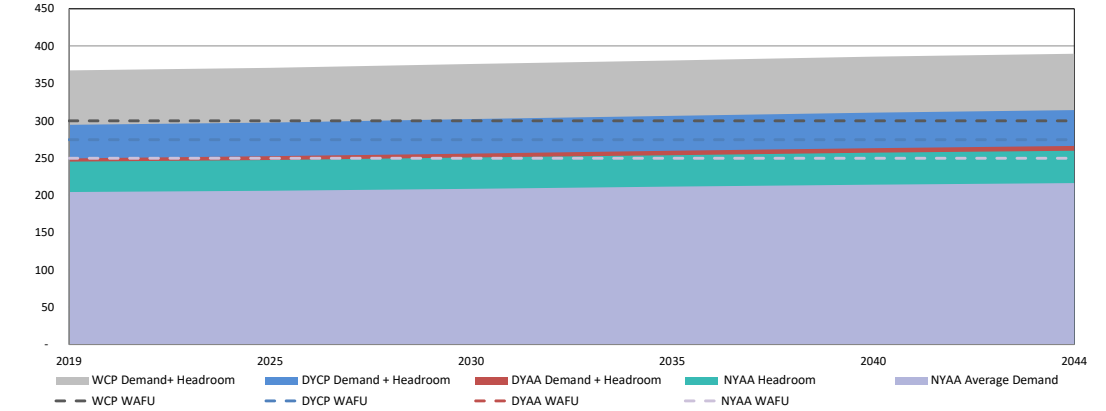
Components of Base Demand 2019



■ 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

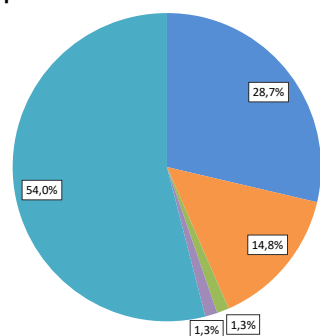
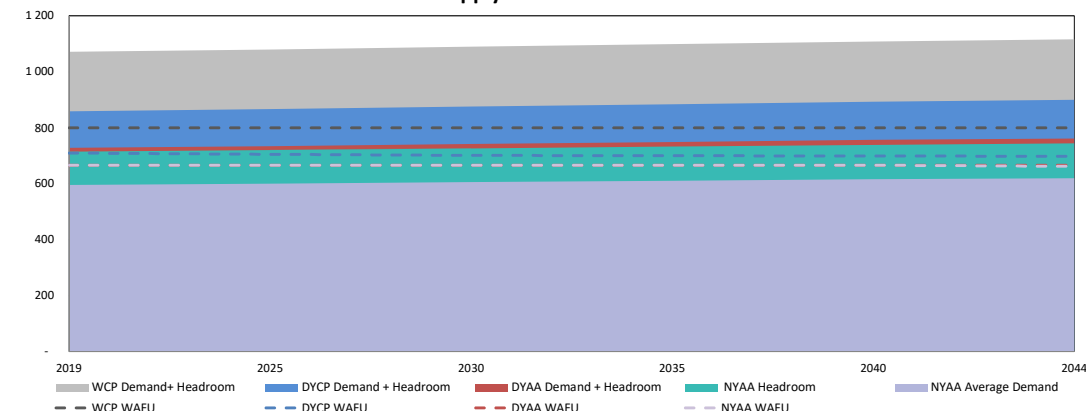


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	204	41	245	250	295	368
2025	206	41	247	252	298	371
2030	209	42	251	256	302	376
2035	212	42	254	260	306	381
2040	214	43	257	263	311	386
2044	217	43	260	266	314	390

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	250	250	275	300	5	0 -	20	6	
2025	250	250	275	300	3 -	2 -	23	7	
2030	250	250	275	300 -	1 -	6 -	27	7	
2035	250	250	275	300 -	4 -	10 -	31	8	
2040	250	250	275	300 -	7 -	13 -	36	8	
2044	250	250	275	300 -	10 -	16 -	39	9	

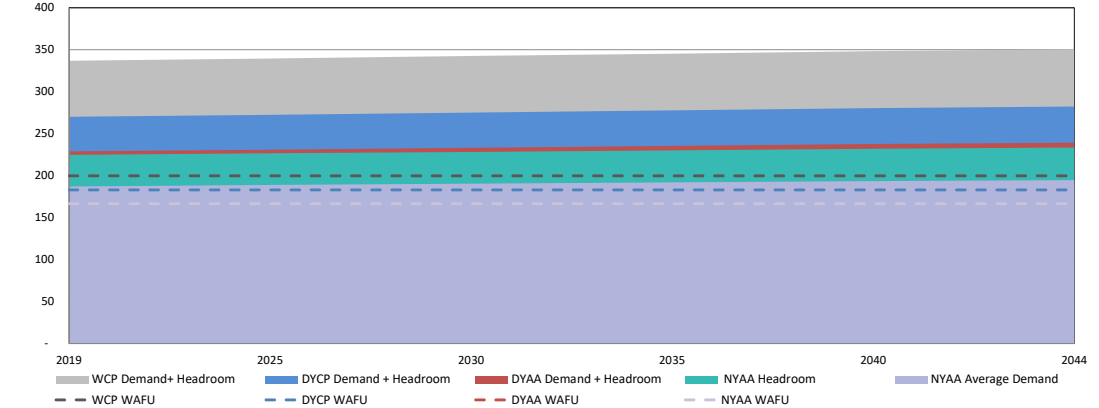
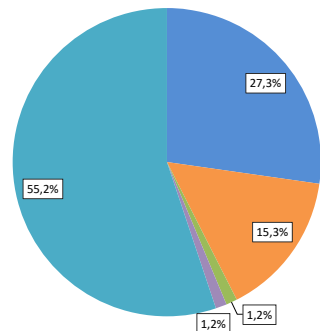
Base Demand in	2019
Domestic Demand (m ³ /day)	171
Non-Domestic Demand (m ³ /day)	88
Operational Use (m ³ /day)	8
Apparent Losses (m ³ /day)	8
Leakage (m ³ /day)	322
Demand (m³/day)	595

 m^3/day 

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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	667	667	710	800 -	48 -	61 -	149 -	272		
2025	667	667	705	800 -	53 -	68 -	161 -	280		
2030	667	667	702	800 -	60 -	75 -	174 -	289		
2035	667	667	700	800 -	66 -	83 -	184 -	299		
2040	667	667	699	800 -	72 -	90 -	193 -	308		
2044	667	667	699	800 -	82 -	95 -	201 -	316		

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



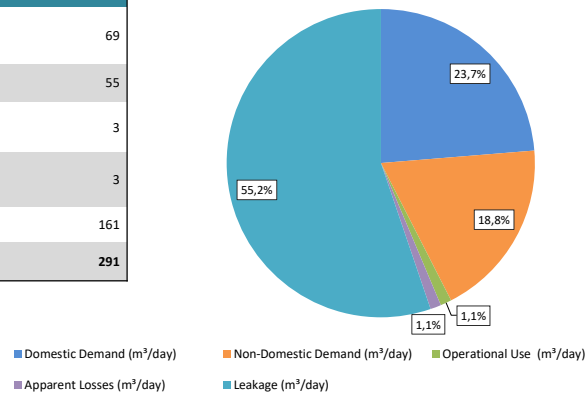
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	167	167	183	200 -	58 -	62 -	87 -	13	
2025	167	167	183	200 -	60 -	64 -	89 -	14	
2030	167	167	183	200 -	62 -	67 -	92 -	14	
2035	167	167	183	200 -	64 -	69 -	95 -	14	
2040	167	167	183	200 -	66 -	71 -	97 -	14	
2044	167	167	183	200 -	67 -	73 -	99 -	15	

WRZ CODE	1900SC0012	WRZ Name	Ballylanders Water Supply	Study Area	K	Study Group		Local Authority	Limerick

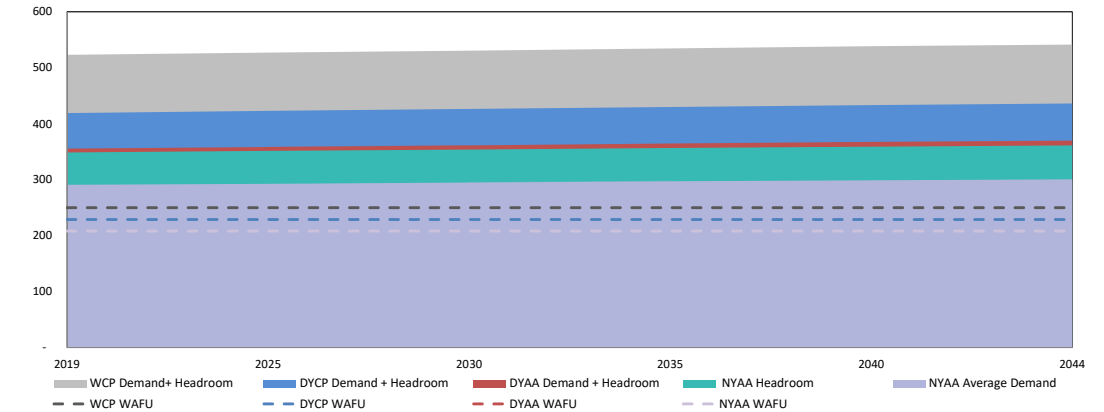
Base Demand in	2019
Domestic Demand (m³/day)	69
Non-Domestic Demand (m³/day)	55
Operational Use (m³/day)	3
Apparent Losses (m³/day)	3
Leakage (m³/day)	161
Demand (m³/day)	291

Components of Base Demand 2019



m³/day

Supply Demand Balance

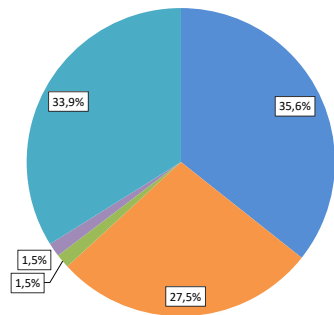
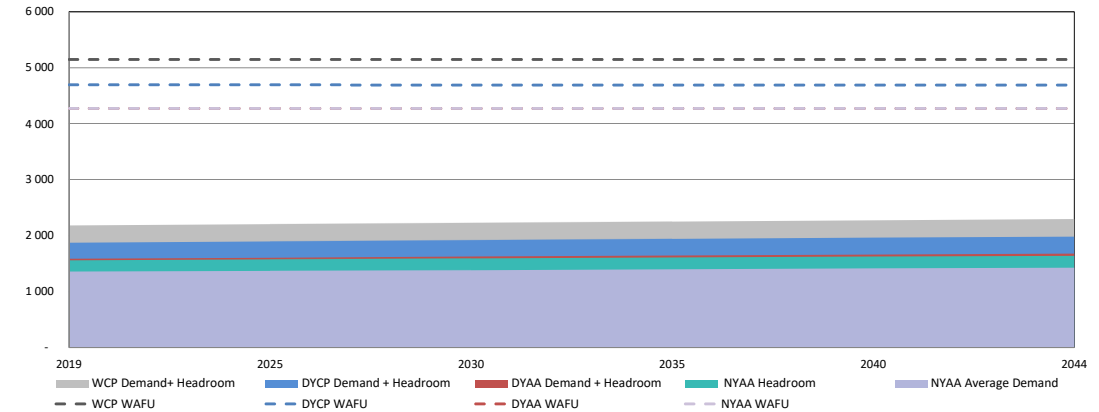


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	291	58	349	355	419	523
2025	293	59	351	358	423	527
2030	295	59	354	361	426	531
2035	297	59	356	364	430	535
2040	299	60	359	368	434	538
2044	301	60	361	370	436	542

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
WTP1000040	Ballylanders WTP	250	208	229	No Licence	335	22Hr	229	-	229	
TOTAL		250	208	229	-	335		229	-	229	

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)		
2019	208	208	229	250	140	147	190	273		
2025	208	208	229	250	143	150	194	277		
2030	208	208	229	250	146	153	197	281		
2035	208	208	229	250	148	156	201	285		
2040	208	208	229	250	151	159	204	288		
2044	208	208	229	250	153	161	207	292		

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

m³/day

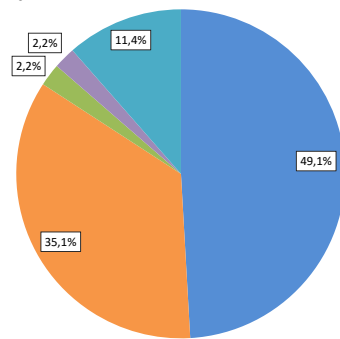
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	4 277	4 277	4 698	5 150	2 717	2 687	2 822	2 966
2025	4 276	4 276	4 697	5 150	2 702	2 671	2 803	2 944
2030	4 275	4 275	4 696	5 150	2 684	2 650	2 779	2 922
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	2 877
2044	4 274	4 275	4 696	5 150	2 635	2 597	2 714	2 855

WRZ CODE	1900SC0017	WRZ Name	Athlacca Water Supply	Study Area	8	Study Group		Local Authority	Limerick

Base Demand in	2019
Domestic Demand (m³/day)	15
Non-Domestic Demand (m³/day)	10
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	3
Demand (m³/day)	30

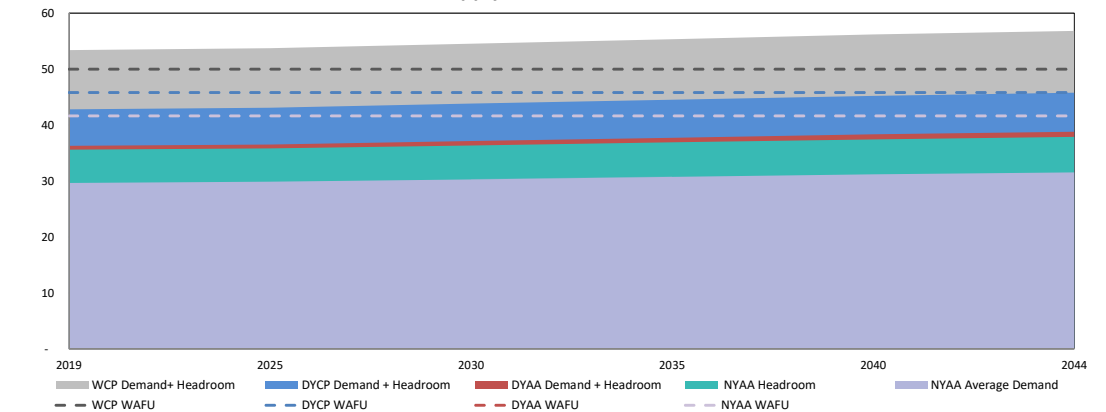
Components of Base Demand 2019



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

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	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

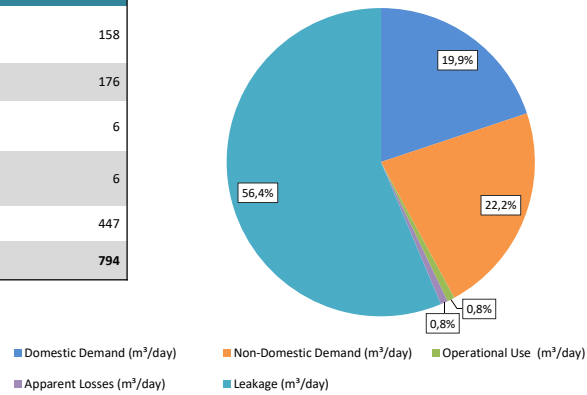
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000056	Athlacca WTP	50	42	46	No Licence	48	22Hr	46	-	46	

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)		
2019	42	42	46	50	6	5	3	-	3	
2025	42	42	46	50	6	5	3	-	4	
2030	42	42	46	50	5	5	2	-	5	
2035	42	42	46	50	5	4	1	-	5	
2040	42	42	46	50	4	3	1	-	6	
2044	42	42	46	50	4	3	0	-	7	

WRZ CODE	1900SC0018	WRZ Name	CastletownBallyagran Water	Study Area	J	Study Group		Local Authority	Limerick

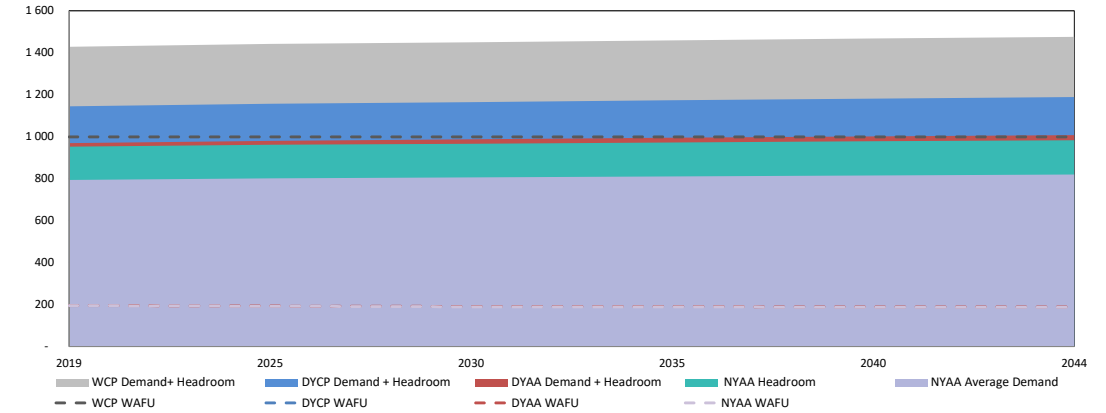
Base Demand in	2019
Domestic Demand (m³/day)	158
Non-Domestic Demand (m³/day)	176
Operational Use (m³/day)	6
Apparent Losses (m³/day)	6
Leakage (m³/day)	447
Demand (m³/day)	794

Components of Base Demand 2019



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	794	159	952	970	1 145	1 428
2025	801	160	961	981	1 157	1 442
2030	806	161	967	988	1 165	1 451
2035	811	162	973	995	1 174	1 459
2040	816	163	979	1 002	1 182	1 468
2044	820	164	984	1 007	1 189	1 475

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
WTP0000149	Ballyagran 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	196	196	196	1 000	756	774	948	428		
2025	193	194	194	1 000	768	787	963	442		
2030	190	191	191	1 000	777	796	974	451		
2035	189	191	191	1 000	784	804	983	459		
2040	189	190	190	1 000	790	812	992	468		
2044	188	190	190	1 000	795	817	999	475		

WRZ CODE	1900SC0019	WRZ Name	South West Regional	Study Area	8	Study Group		Local Authority	Limerick



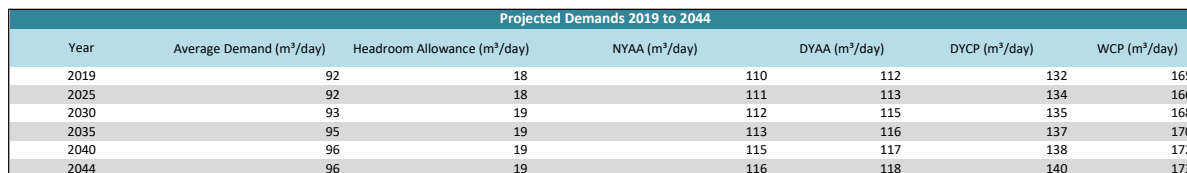
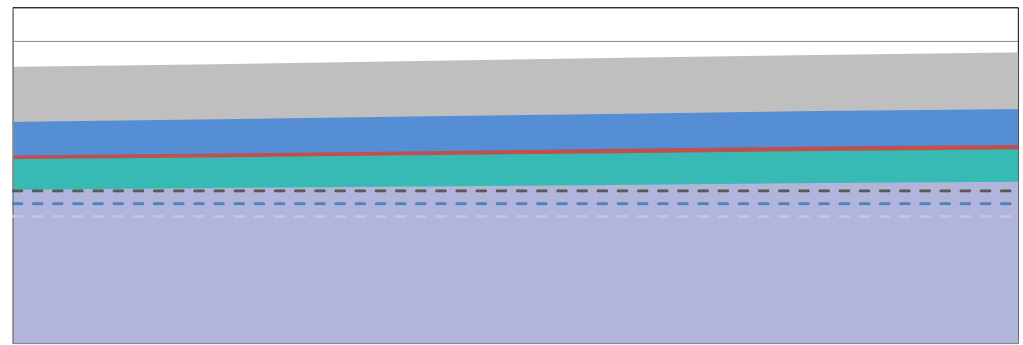
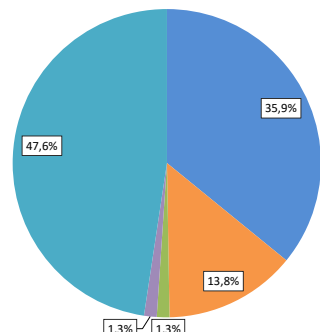
■ Domestic Demand (m³/day) ■ Non-Domestic Demand (m³/day) ■ Operational Use (m³/day)
■ Apparent Losses (m³/day) ■ Leakage (m³/day)



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	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	8 925
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

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)	
2019	5 350	5 350	5 350	5 885	6 420	-	839	-	955	-	1 555	-	2 245
2025	5 350	5 350	5 350	5 885	6 420	-	928	-	1 055	-	1 672	-	2 370
2030	5 350	5 350	5 350	5 885	6 420	-	1 022	-	1 158	-	1 794	-	2 501
2035	5 350	5 350	5 350	5 885	6 420	-	1 116	-	1 262	-	1 917	-	2 633
2040	5 350	5 350	5 350	5 885	6 420	-	1 210	-	1 367	-	2 039	-	2 764
2044	5 350	5 350	5 350	5 885	6 420	-	1 285	-	1 443	-	2 136	-	2 870

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



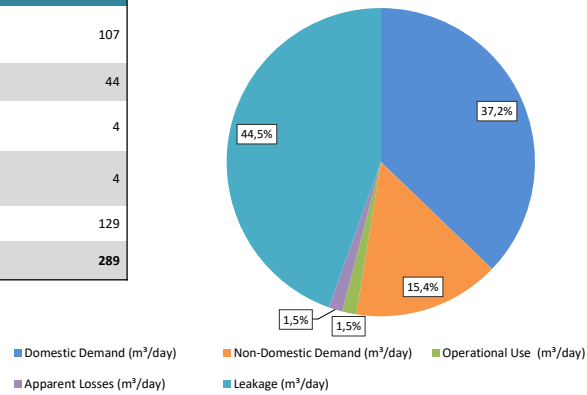
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000487	Carrigerry WTP	91	76	83	No Licence	115	22Hr	83	-	83	
TOTAL		91	76	83	-	115		83	-	83	

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)		
2019	76	76	83	91 -	34 -	36 -	49 -	7		
2025	76	76	83	91 -	35 -	37 -	50 -	7		
2030	76	76	83	91 -	36 -	39 -	52 -	7		
2035	76	76	83	91 -	38 -	40 -	53 -	7		
2040	76	76	83	91 -	39 -	42 -	55 -	8		
2044	76	76	83	91 -	40 -	43 -	56 -	8		

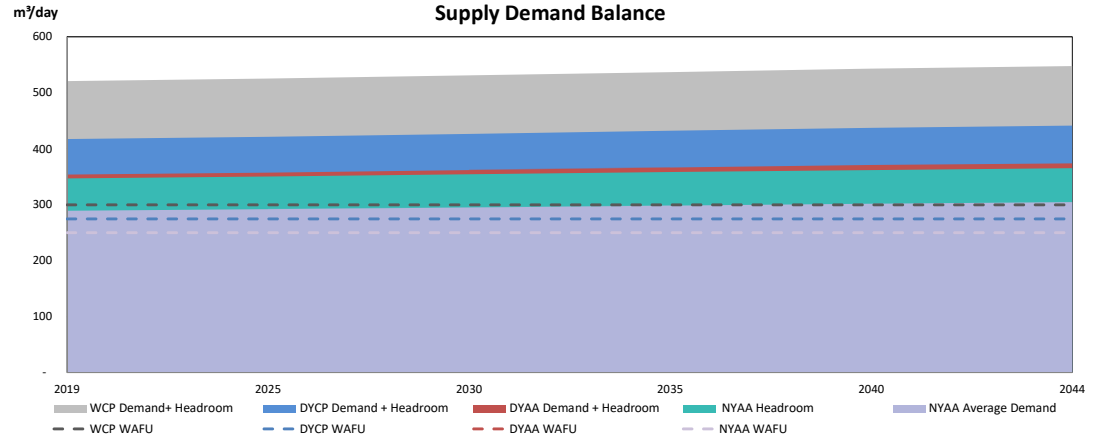
WRZ CODE	1900SC0022	WRZ Name	Glin Water Supply	Study Area	8	Study Group		Local Authority	Limerick

Base Demand in	2019
Domestic Demand (m³/day)	107
Non-Domestic Demand (m³/day)	44
Operational Use (m³/day)	4
Apparent Losses (m³/day)	4
Leakage (m³/day)	129
Demand (m³/day)	289

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	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

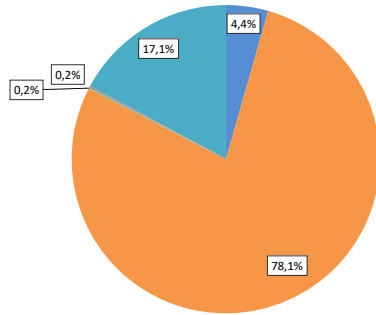
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	924
Non-Domestic Demand (m³/day)	16 326
Operational Use (m³/day)	36
Apparent Losses (m³/day)	36
Leakage (m³/day)	3 576
Demand (m³/day)	20 899

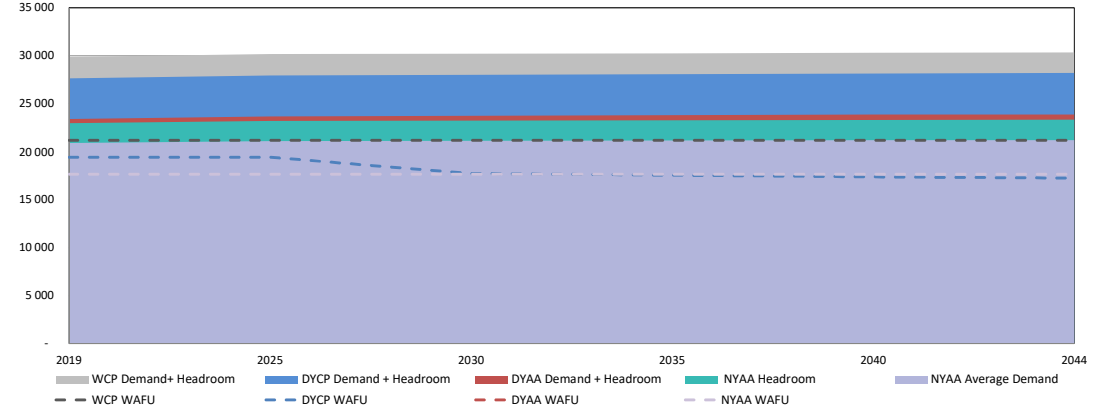
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

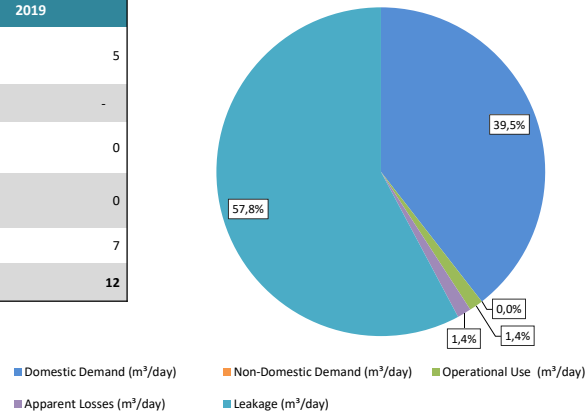
Water Available for Use in 2044 DYCP												
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018	
WTP0000405	Foynes (Aughinish) WTP	22 320	18 600	20 460	No Licence	19 644	Yield	18 171	-	909	17 262	Significant Reduction

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)
2019	17 670	17 670	19 437	21 204	-	5 319	-	5 750	-	8 197	-
2025	17 670	17 670	19 437	21 204	-	5 546	-	6 013	-	8 508	-
2030	17 670	17 670	17 744	21 204	-	5 577	-	6 073	-	10 271	-
2035	17 670	17 670	17 562	21 204	-	5 609	-	6 134	-	10 525	-
2040	17 670	17 670	17 395	21 204	-	5 640	-	6 195	-	10 759	-
2044	17 670	17 670	17 262	21 204	-	5 665	-	6 221	-	10 945	-

WRZ CODE	1900SC0026	WRZ Name	Anglesboro Water Supply	Study Area	K	Study Group		Local Authority	Limerick

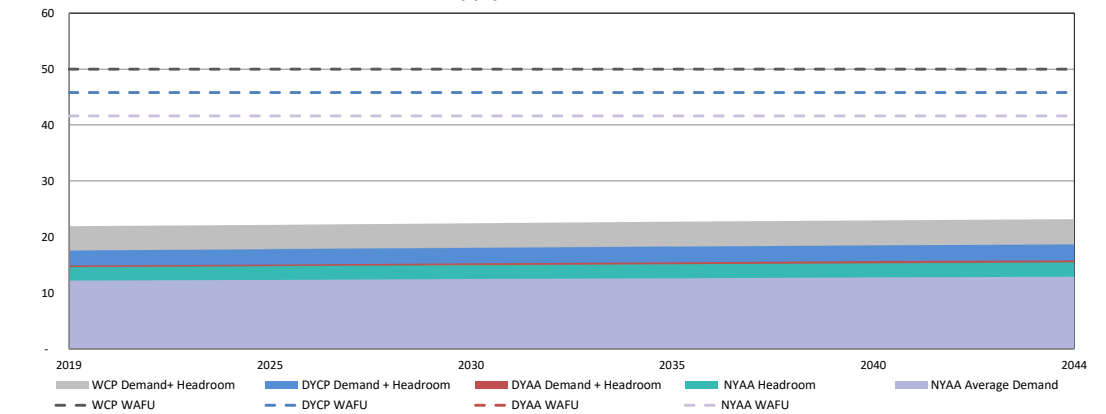
Base Demand in	2019
Domestic Demand (m³/day)	5
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	7
Demand (m³/day)	12

Components of Base Demand 2019



m³/day

Supply Demand Balance



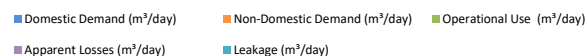
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	12	2	15	15	18	22
2025	12	2	15	15	18	22
2030	12	2	15	15	18	22
2035	13	3	15	15	18	23
2040	13	3	15	16	19	23
2044	13	3	15	16	19	23

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
WTP0000095	Anglesboro WTP	50	42	46	No Licence	48	22Hr	46	-	46	

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)		
2019	42	42	46	50	27	27	28	28		
2025	42	42	46	50	27	27	28	28		
2030	42	42	46	50	27	26	28	28		
2035	42	42	46	50	27	26	28	27		
2040	42	42	46	50	26	26	27	27		
2044	42	42	46	50	26	26	27	27		

WRZ CODE	1900SC0028	WRZ Name	Croom Water Supply	Study Area	8	Study Group		Local Authority	Limerick

Components of Base Demand 2019



Supply Demand Balance

Projected Demands 2019 to 2044

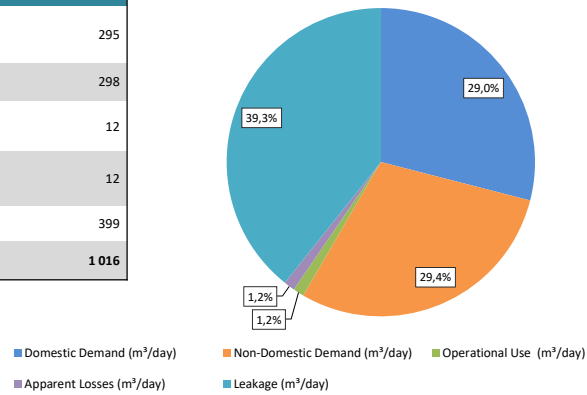
Water Available for Use in 2044 DYCP

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)		
2019	558	558	594	670	312	328	446	635		
2025	558	558	594	670	321	338	464	648		
2030	558	558	588	670	329	348	481	663		
2035	558	558	587	670	337	357	494	673		
2040	558	558	585	670	345	367	506	686		
2044	558	558	584	670	352	374	516	696		

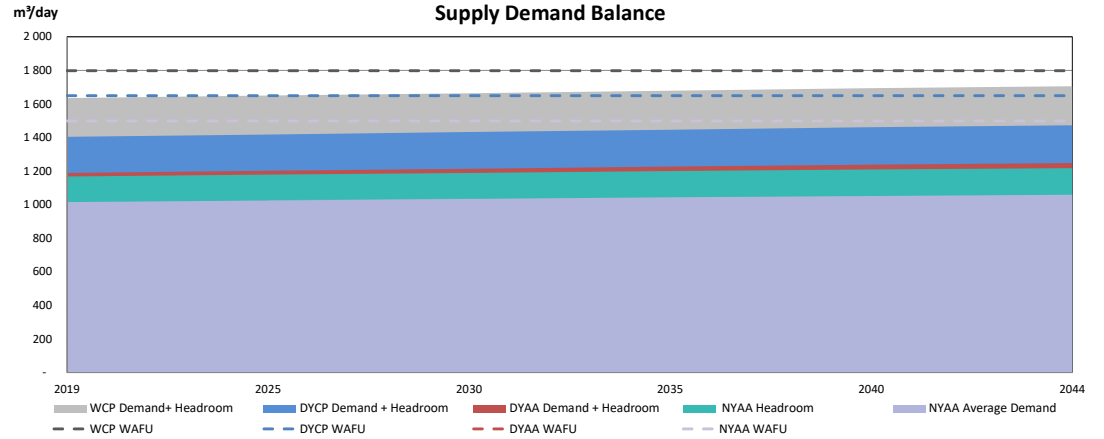
WRZ CODE	1900SC0029	WRZ Name	Adare	Study Area	8	Study Group		Local Authority	Limerick

Base Demand in	2019
Domestic Demand (m³/day)	295
Non-Domestic Demand (m³/day)	298
Operational Use (m³/day)	12
Apparent Losses (m³/day)	12
Leakage (m³/day)	399
Demand (m³/day)	1 016

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	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

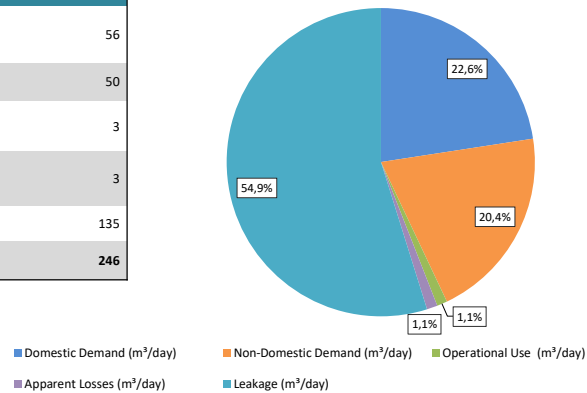
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

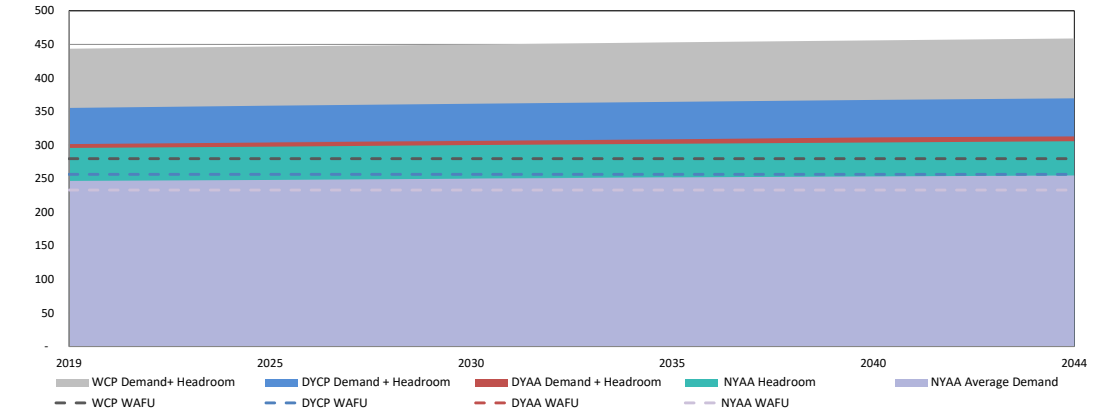
Base Demand in	2019
Domestic Demand (m³/day)	56
Non-Domestic Demand (m³/day)	50
Operational Use (m³/day)	3
Apparent Losses (m³/day)	3
Leakage (m³/day)	135
Demand (m³/day)	246

Components of Base Demand 2019



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	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

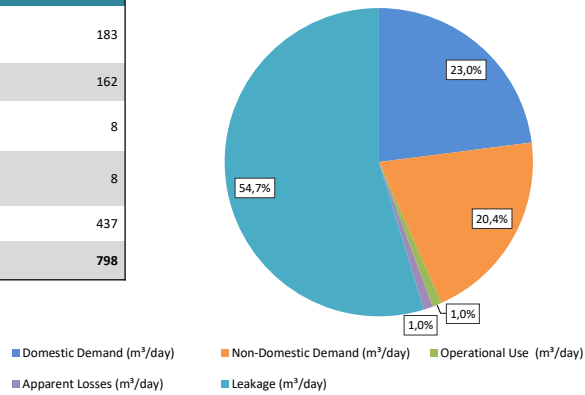
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)		NYAA (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/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

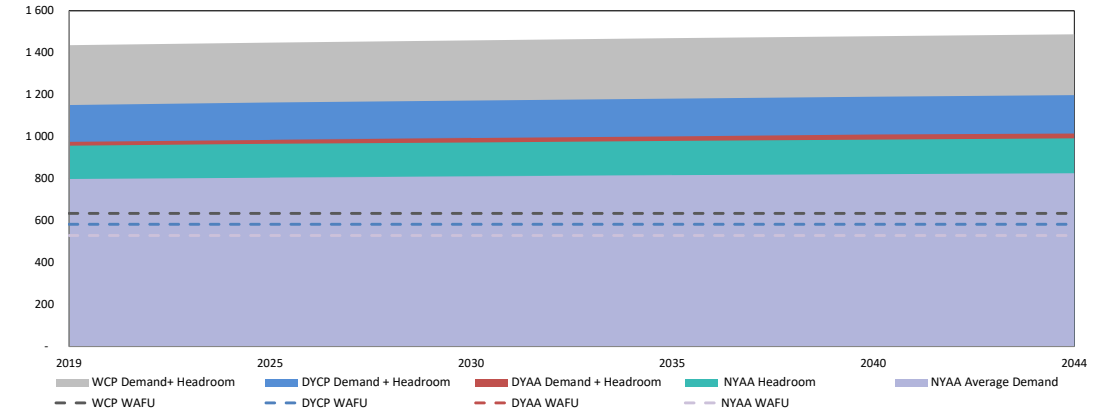
Base Demand in	2019
Domestic Demand (m³/day)	183
Non-Domestic Demand (m³/day)	162
Operational Use (m³/day)	8
Apparent Losses (m³/day)	8
Leakage (m³/day)	437
Demand (m³/day)	798

Components of Base Demand 2019



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	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

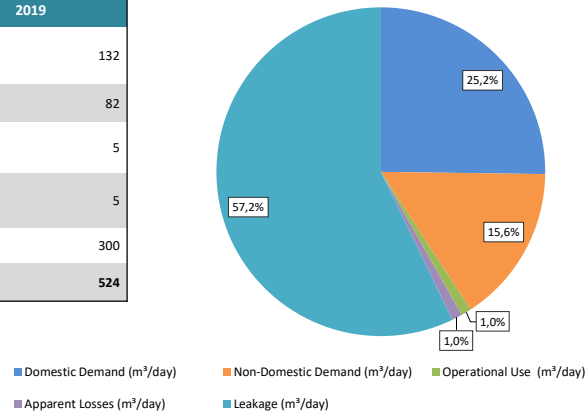
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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

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)	
2019	530	530	583	636 -	428 -	446 -	568 -	801	
2025	530	530	583	636 -	436 -	455 -	580 -	813	
2030	530	530	583	636 -	443 -	464 -	589 -	823	
2035	530	530	583	636 -	450 -	472 -	599 -	833	
2040	530	530	583	636 -	456 -	480 -	608 -	844	
2044	530	530	583	636 -	462 -	485 -	616 -	852	

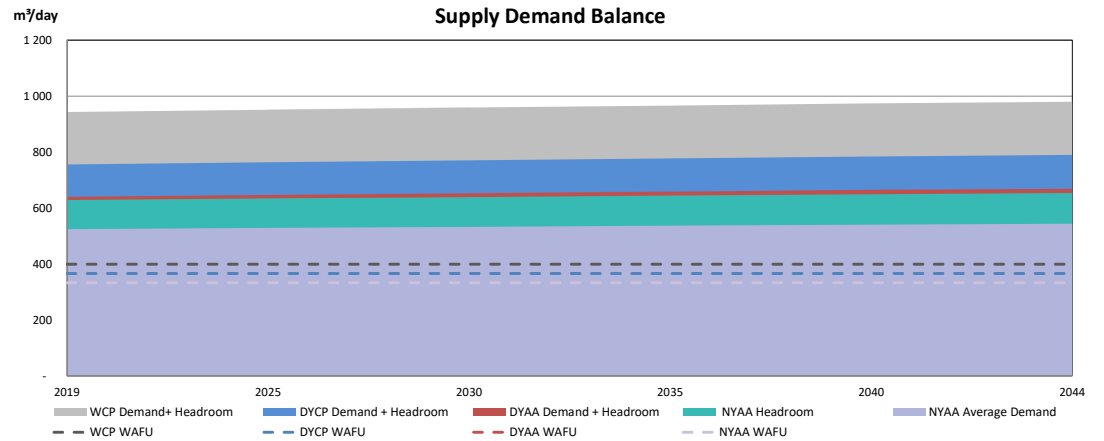
WRZ CODE	1900SC0035	WRZ Name	Ballingarry	Study Area	8	Study Group		Local Authority	Limerick

Base Demand in	2019
Domestic Demand (m³/day)	132
Non-Domestic Demand (m³/day)	82
Operational Use (m³/day)	5
Apparent Losses (m³/day)	5
Leakage (m³/day)	300
Demand (m³/day)	524

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	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

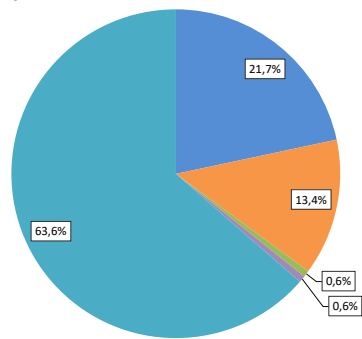
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000084	Ballingarry Spring WTP	400	333	367	No Licence	383	22Hr	367	-	367	

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)		
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

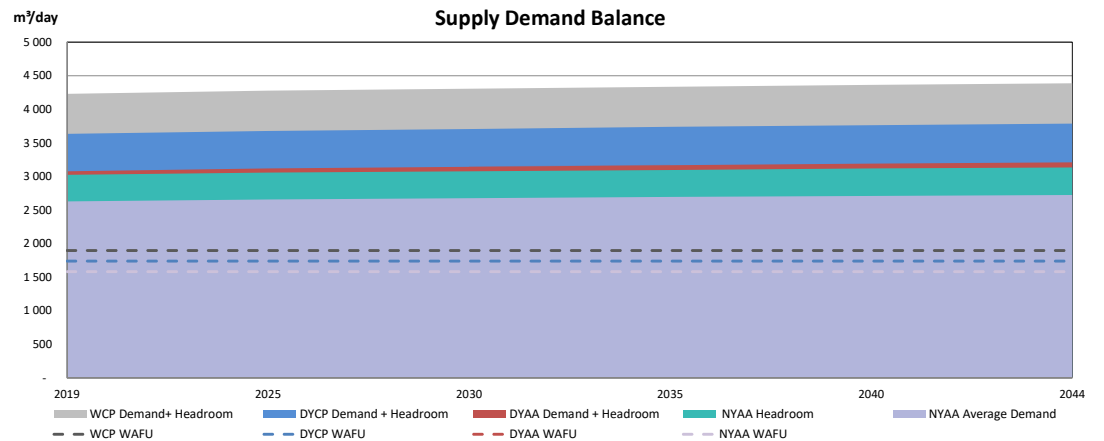
Base Demand in	2019
Domestic Demand (m³/day)	569
Non-Domestic Demand (m³/day)	353
Operational Use (m³/day)	17
Apparent Losses (m³/day)	17
Leakage (m³/day)	1 672
Demand (m³/day)	2 629

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

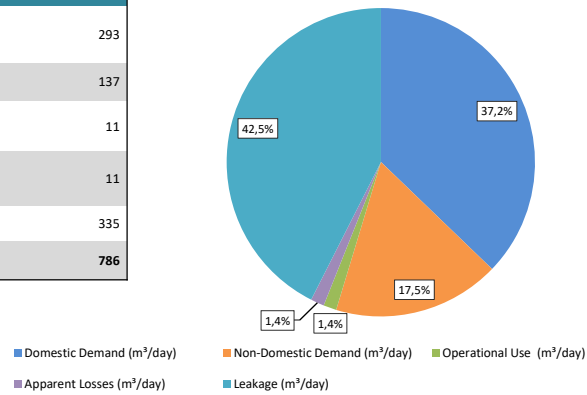
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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	

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)	
2019	1 583	1 583	1 742	1 900	-	1 440	-	1 496	- 2 332
2025	1 583	1 583	1 742	1 900	-	1 474	-	1 535	- 2 380
2030	1 583	1 583	1 742	1 900	-	1 494	-	1 560	- 2 409
2035	1 583	1 583	1 742	1 900	-	1 514	-	1 584	- 2 437
2040	1 583	1 583	1 742	1 900	-	1 535	-	1 609	- 2 465
2044	1 583	1 583	1 742	1 900	-	1 551	-	1 626	- 2 488

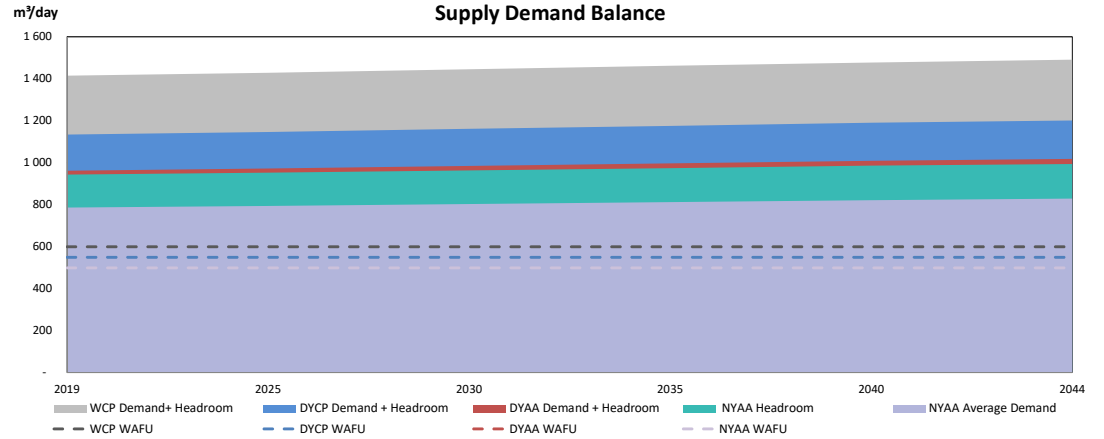
WRZ CODE	1900SC0037	WRZ Name	Murroe	Study Area	8	Study Group		Local Authority	Limerick

Base Demand in	2019
Domestic Demand (m³/day)	293
Non-Domestic Demand (m³/day)	137
Operational Use (m³/day)	11
Apparent Losses (m³/day)	11
Leakage (m³/day)	335
Demand (m³/day)	786

Components of Base Demand 2019



Supply Demand Balance

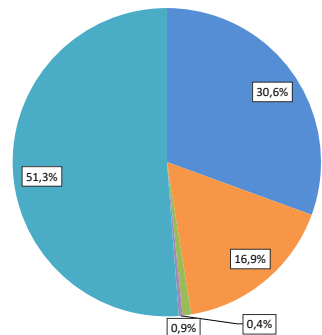
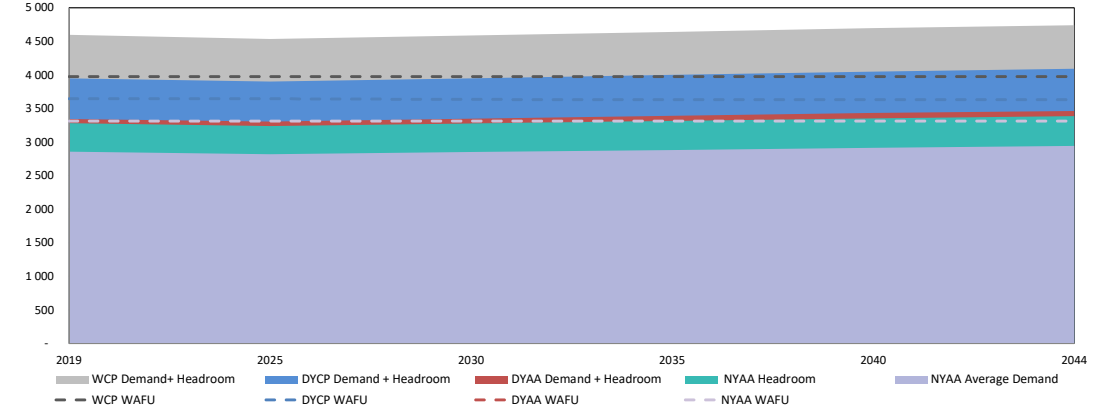


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	786	157	944	961	1 134	1 416
2025	794	159	953	972	1 147	1 429
2030	803	161	964	984	1 161	1 446
2035	812	162	975	997	1 176	1 462
2040	821	164	986	1 009	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	500	500	550	600	444	461	584	816		
2025	500	500	550	600	453	472	597	829		
2030	500	500	550	600	464	484	611	846		
2035	500	500	550	600	475	497	626	862		
2040	500	500	550	600	486	509	640	878		
2044	500	500	550	600	494	518	652	891		

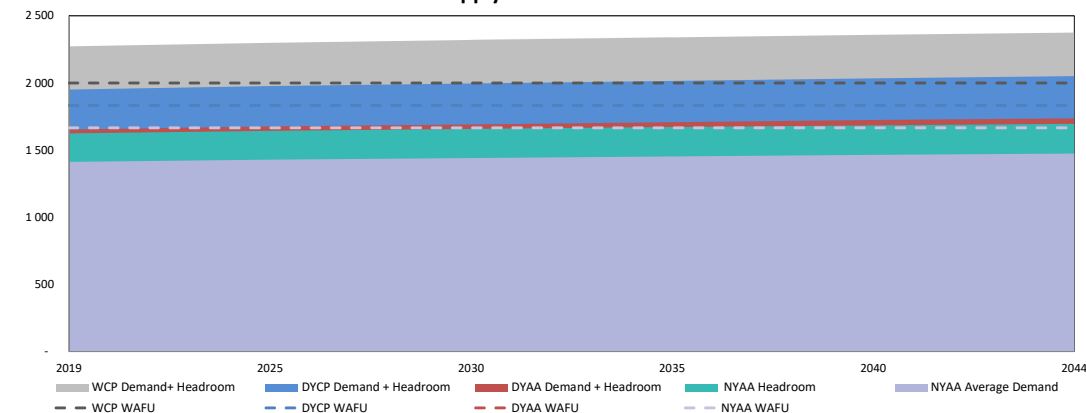
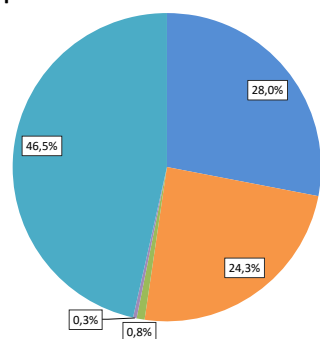
Base Demand in	2019
Domestic Demand (m ³ /day)	873
Non-Domestic Demand (m ³ /day)	483
Operational Use (m ³ /day)	26
Apparent Losses (m ³ /day)	11
Leakage (m ³ /day)	1 464
Demand (m³/day)	2 856

m³/day

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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	3 317	3 317	3 648	3 980	33 -	29 -	299 -	61		
2025	3 317	3 317	3 648	3 980	76	11 -	252 -	55		
2030	3 317	3 317	3 638	3 980	38 -	32 -	314 -	61		
2035	3 317	3 317	3 636	3 980	0 -	75 -	365 -	66		
2040	3 317	3 317	3 635	3 980 -	38 -	118 -	416 -	71		
2044	3 317	3 317	3 634	3 980 -	68 -	149 -	457 -	75		

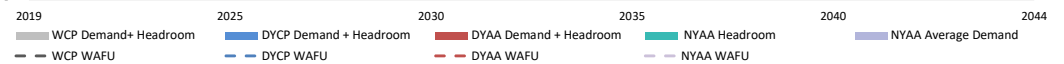
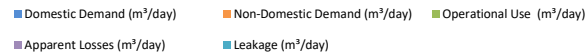
Base Demand in	2019
Domestic Demand (m ³ /day)	395
Non-Domestic Demand (m ³ /day)	343
Operational Use (m ³ /day)	12
Apparent Losses (m ³ /day)	5
Leakage (m ³ /day)	657
Demand (m³/day)	1 412



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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



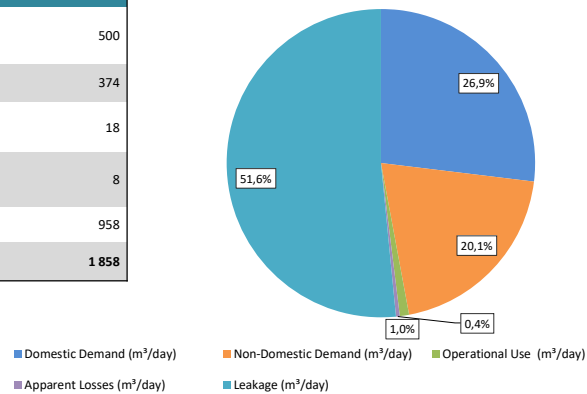
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	4 333	4 333	4 767	5 200 -	393 -	481 -	914 -	1 411
2025	4 333	4 333	4 767	5 200 -	359 -	453 -	881 -	1 366
2030	4 333	4 333	4 767	5 200 -	404 -	505 -	942 -	1 433
2035	4 333	4 333	4 767	5 200 -	448 -	556 -	1 003 -	1 490
2040	4 333	4 333	4 767	5 200 -	493 -	608 -	1 062 -	1 550
2044	4 333	4 333	4 767	5 200 -	529 -	644 -	1 110 -	1 600

WRZ CODE	2000SC0004	WRZ Name	Gowna	Study Area	B	Study Group	Local Authority	Longford

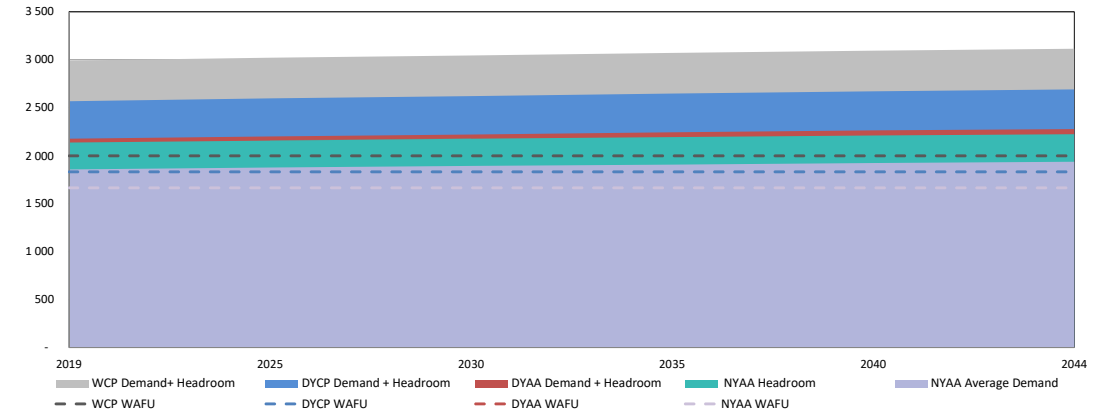
Base Demand in	2019
Domestic Demand (m³/day)	500
Non-Domestic Demand (m³/day)	374
Operational Use (m³/day)	18
Apparent Losses (m³/day)	8
Leakage (m³/day)	958
Demand (m³/day)	1 858

Components of Base Demand 2019



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	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

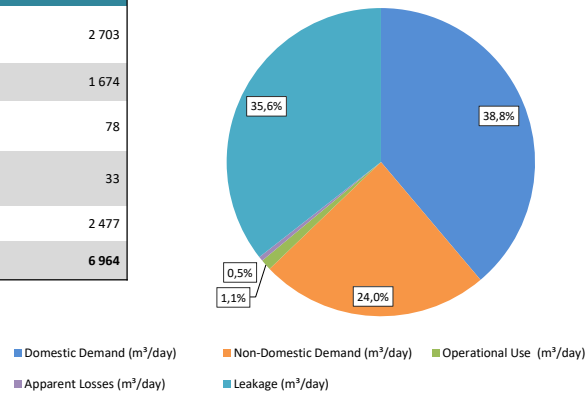
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	1 667	1 667	1 833	2 000 -	470 -	510 -	735 -	99		
2025	1 667	1 667	1 833	2 000 -	491 -	535 -	764 -	1 02		
2030	1 667	1 667	1 833	2 000 -	509 -	556 -	789 -	1 04		
2035	1 667	1 667	1 833	2 000 -	527 -	576 -	813 -	1 07		
2040	1 667	1 667	1 833	2 000 -	545 -	597 -	838 -	1 09		
2044	1 667	1 667	1 833	2 000 -	559 -	612 -	857 -	1 11		

WRZ CODE	2000SC0005	WRZ Name	Longford Central	Study Area	F	Study Group	Local Authority	Longford

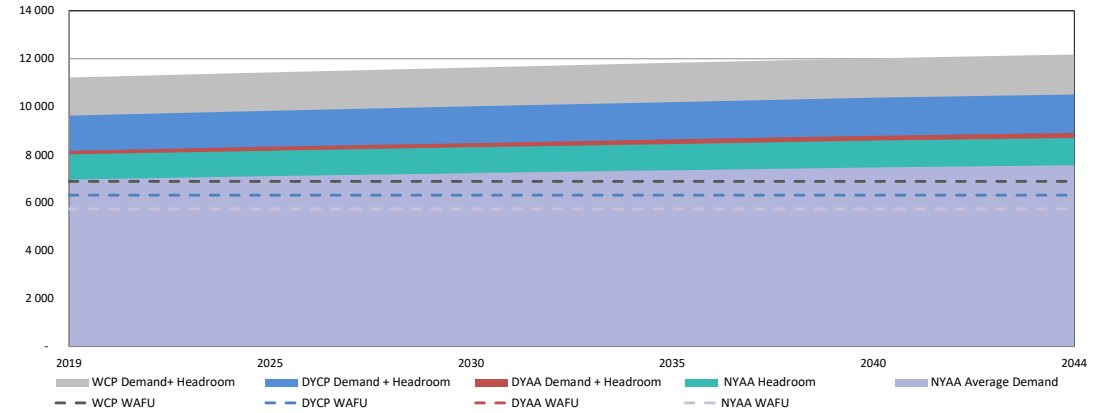
Base Demand in	2019
Domestic Demand (m³/day)	2 703
Non-Domestic Demand (m³/day)	1 674
Operational Use (m³/day)	78
Apparent Losses (m³/day)	33
Leakage (m³/day)	2 477
Demand (m³/day)	6 964

Components of Base Demand 2019



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	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

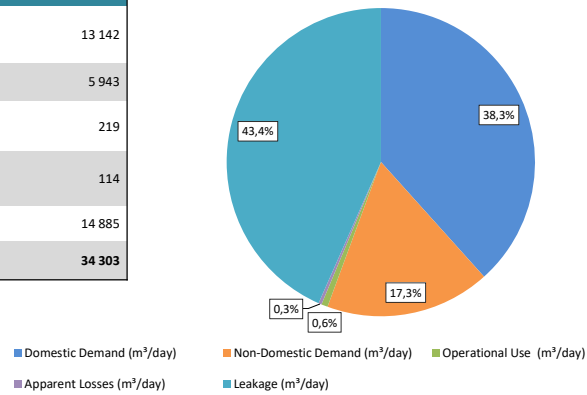
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

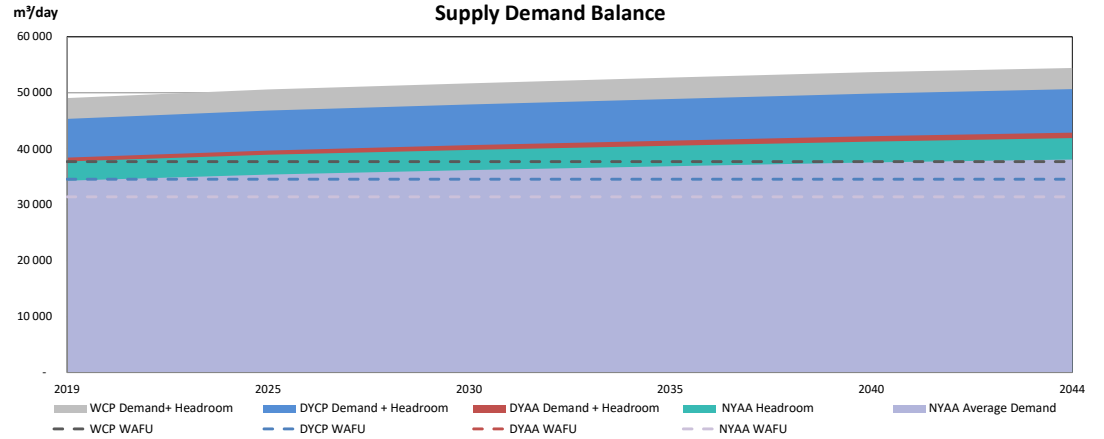
WRZ CODE	2100SC0001	WRZ Name	South Louth & East Meath	Study Area	3	Study Group		Local Authority	Louth

Base Demand in	2019
Domestic Demand (m³/day)	13 142
Non-Domestic Demand (m³/day)	5 943
Operational Use (m³/day)	219
Apparent Losses (m³/day)	114
Leakage (m³/day)	14 885
Demand (m³/day)	34 303

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	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

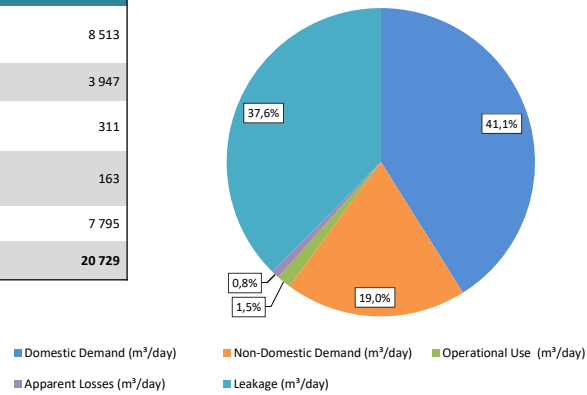
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000652	Rath WTP	500	417	458	No Licence	479	22Hr	458	-	458	
WTP0000664	Curragha 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	27 431	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 (m³/day)		DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		NYAA (m³/day)		DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

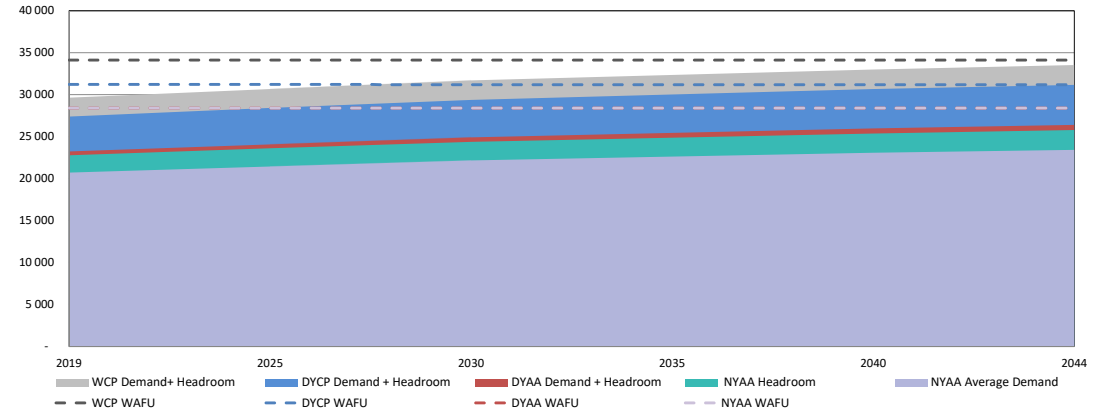
Base Demand in	2019
Domestic Demand (m³/day)	8 513
Non-Domestic Demand (m³/day)	3 947
Operational Use (m³/day)	311
Apparent Losses (m³/day)	163
Leakage (m³/day)	7 795
Demand (m³/day)	20 729

Components of Base Demand 2019



m³/day

Supply Demand Balance

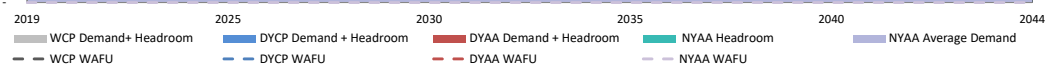
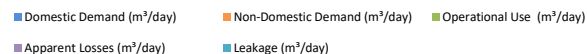


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	20 729	2 073	22 801	23 228	27 408	29 642
2025	21 466	2 147	23 612	24 088	28 422	30 696
2030	22 170	2 217	24 387	24 907	29 389	31 703
2035	22 628	2 263	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 (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
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	72 594		32 482	-	1 251	31 230

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)
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	2100SC0010	WRZ Name	Kilineer	Study Area	3	Study Group		Local Authority	Louth



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
TOTAL		-	-	-	-	-		-	-	-	

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)	
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	2200SC0001	WRZ Name	Lough Mask & Westport	Study Area	D	Study Group		Local Authority	Mayo

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

2019 2025 2030 2035 2040 2044

■ WCP Demand+ Headroom
 ■ WCP WAFU
 ■ DYCP Demand+ Headroom
 ■ DYCP WAFU
 ■ DYAA Demand+ Headroom
 ■ DYAA WAFU
 ■ NYAA Headroom
 ■ NYAA WAFU
 ■ NYAA Average Demand

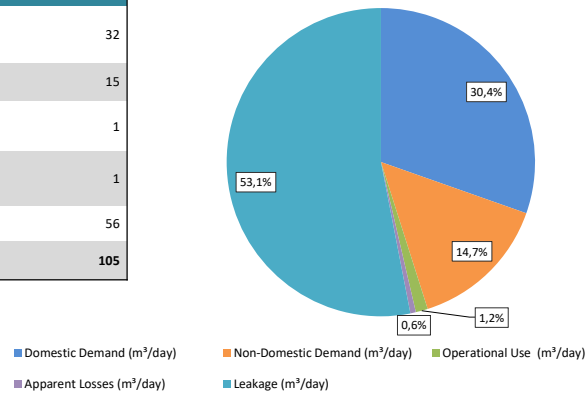
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Year	WAFU					Supply Demand Balance						
	NYAA (m³/day)		DYAA (m³/day)		DYCP (m³/day)	WCP (m³/day)		NYAA (m³/day)		DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	32 167	32 167	35 383	38 600	-	10 190	-	10 983	-	15 531	-	16 463
2025	32 167	32 167	35 383	38 600	-	10 063	-	10 913	-	15 448	-	16 298
2030	32 167	32 167	35 383	38 600	-	10 360	-	11 267	-	15 866	-	16 685
2035	32 167	32 167	35 383	38 600	-	10 657	-	11 623	-	16 285	-	17 071
2040	32 167	32 167	35 383	38 600	-	10 954	-	11 981	-	16 698	-	17 457
2044	32 167	32 167	35 383	38 600	-	11 191	-	12 224	-	17 026	-	17 765

WRZ CODE	2200SC0002	WRZ Name	Clare Island	Study Area	D	Study Group	Local Authority	Mayo

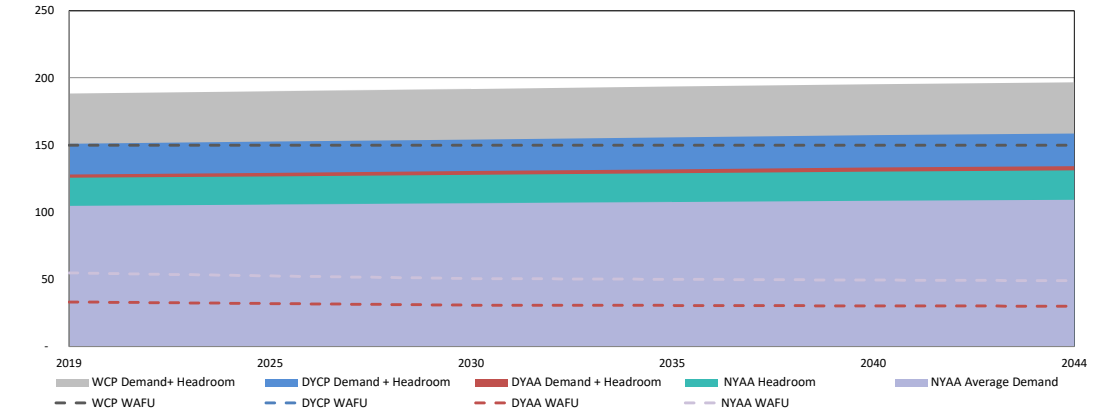
Base Demand in	2019
Domestic Demand (m³/day)	32
Non-Domestic Demand (m³/day)	15
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	56
Demand (m³/day)	105

Components of Base Demand 2019



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	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

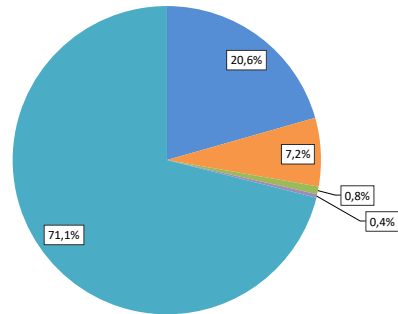
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	55	33	33	150 -	71 -	95 -	118 -	38		
2025	53	32	32	150 -	74 -	97 -	120 -	40		
2030	51	31	31	150 -	77 -	100 -	123 -	42		
2035	50	31	31	150 -	79 -	101 -	125 -	44		
2040	50	30	30	150 -	81 -	103 -	127 -	45		
2044	49	30	30	150 -	82 -	104 -	128 -	47		

WRZ CODE	2200SC0003	WRZ Name	Inishturk	Study Area	D	Study Group	Local Authority	Mayo

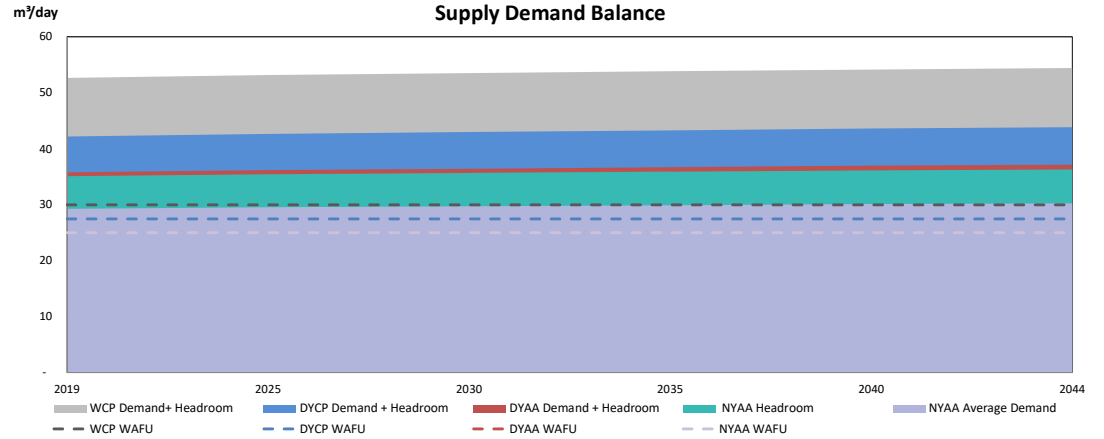
Base Demand in	2019
Domestic Demand (m ³ /day)	6
Non-Domestic Demand (m ³ /day)	2
Operational Use (m ³ /day)	0
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	21
Demand (m³/day)	29

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

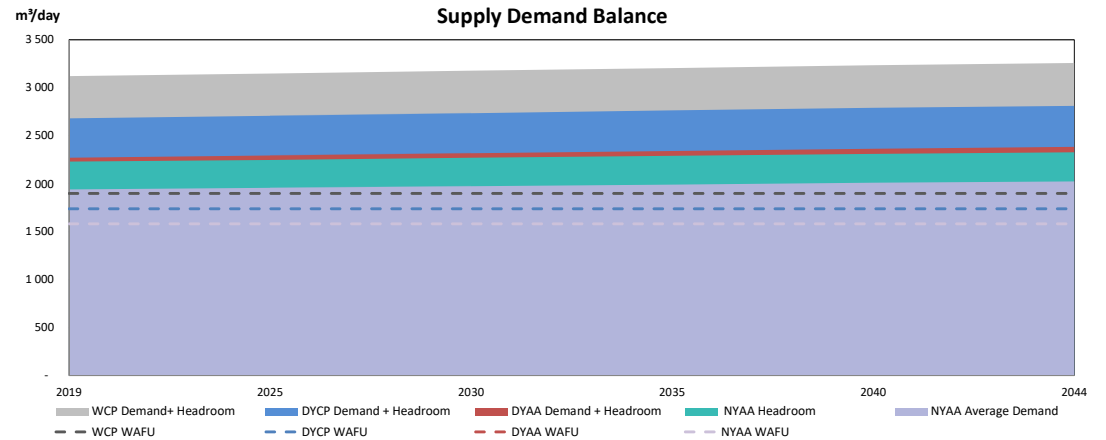
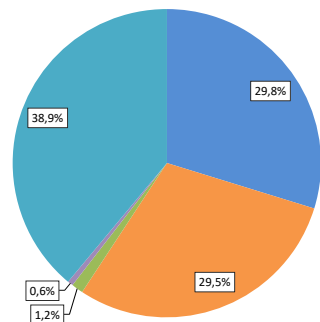


Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	29	6	35	36	42	53
2025	30	6	35	36	43	53
2030	30	6	36	36	43	53
2035	30	6	36	37	43	54
2040	30	6	36	37	44	54
2044	30	6	36	37	44	54

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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

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



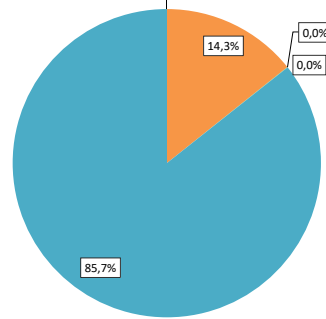
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	1583	1583	1742	1900 -	646 -	688 -	938 -	1221		
2025	1583	1583	1742	1900 -	666 -	711 -	966 -	1249		
2030	1583	1583	1742	1900 -	686 -	735 -	994 -	1278		
2035	1583	1583	1742	1900 -	707 -	759 -	1022 -	1306		
2040	1583	1583	1742	1900 -	727 -	782 -	1049 -	1335		
2044	1583	1583	1742	1900 -	744 -	799 -	1071 -	1358		

WRZ CODE	2200SC0006	WRZ Name	Ceide Fields	Study Area	C	Study Group	Local Authority	Mayo

Base Demand in	2019
Domestic Demand (m³/day)	-
Non-Domestic Demand (m³/day)	5
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	30
Demand (m³/day)	36

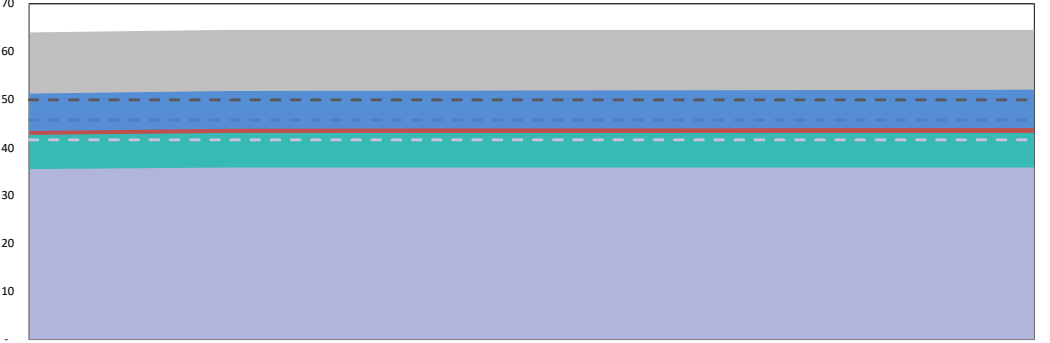
Components of Base Demand 2019



■ 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



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

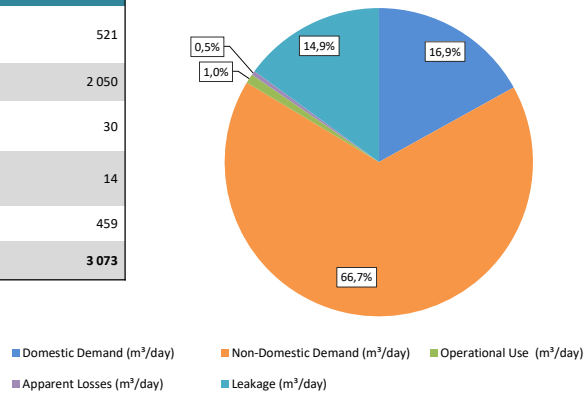
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

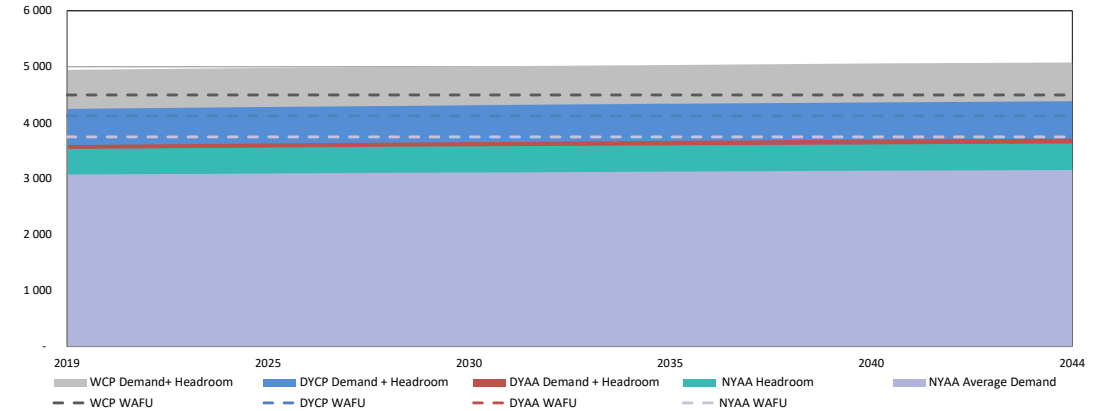
Base Demand in	2019
Domestic Demand (m³/day)	521
Non-Domestic Demand (m³/day)	2 050
Operational Use (m³/day)	30
Apparent Losses (m³/day)	14
Leakage (m³/day)	459
Demand (m³/day)	3 073

Components of Base Demand 2019



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	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

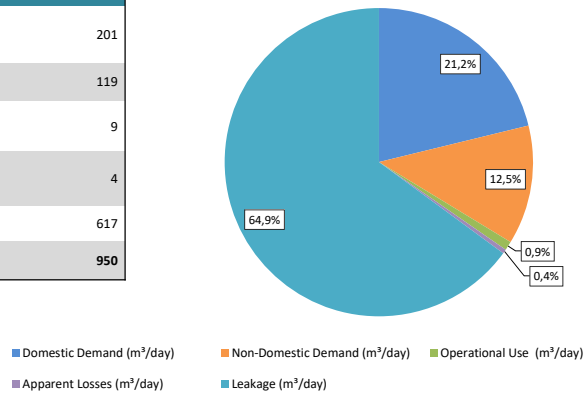
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	3 750	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

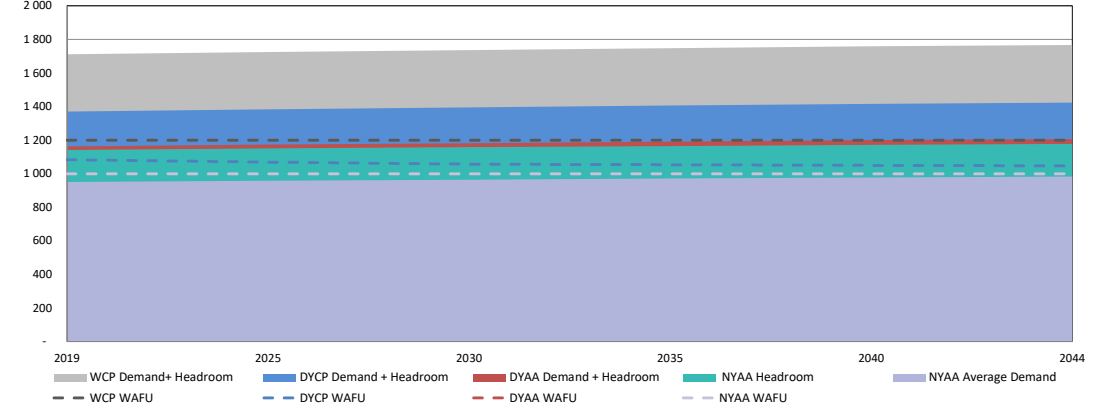
Base Demand in	2019
Domestic Demand (m³/day)	201
Non-Domestic Demand (m³/day)	119
Operational Use (m³/day)	9
Apparent Losses (m³/day)	4
Leakage (m³/day)	617
Demand (m³/day)	950

Components of Base Demand 2019



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	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

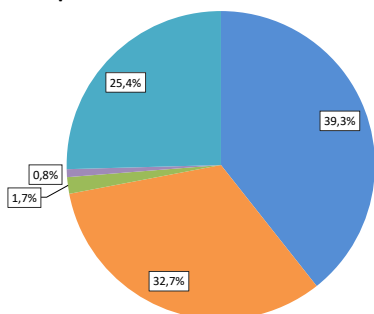
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	1 000	1 000	1 084	1 200	-	140	-	287	-	511
2025	1 000	1 000	1 070	1 200	-	150	-	315	-	525
2030	1 000	1 000	1 057	1 200	-	157	-	337	-	536
2035	1 000	1 000	1 054	1 200	-	165	-	352	-	547
2040	1 000	1 000	1 050	1 200	-	172	-	366	-	559
2044	1 000	1 000	1 048	1 200	-	178	-	377	-	568

WRZ CODE	2200SC0011	WRZ Name	Foxford	Study Area	C	Study Group	Local Authority	Mayo

Base Demand in	2019
Domestic Demand (m³/day)	255
Non-Domestic Demand (m³/day)	212
Operational Use (m³/day)	11
Apparent Losses (m³/day)	5
Leakage (m³/day)	165
Demand (m³/day)	649

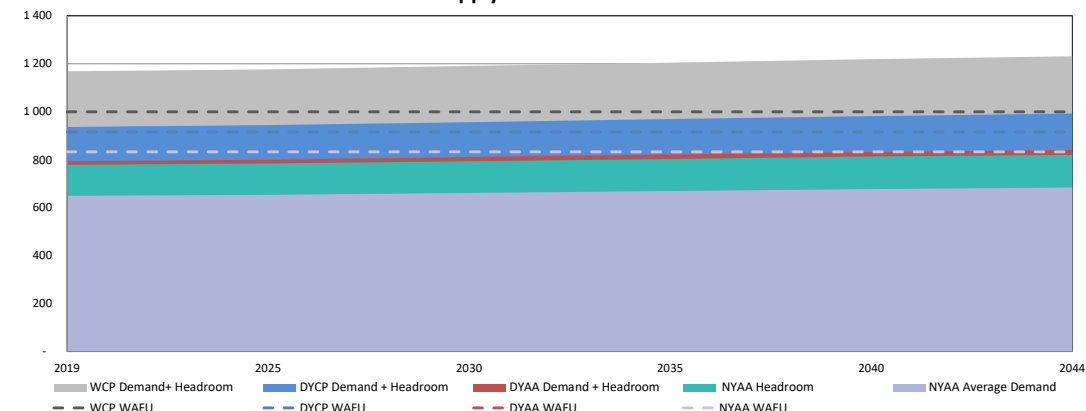
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



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



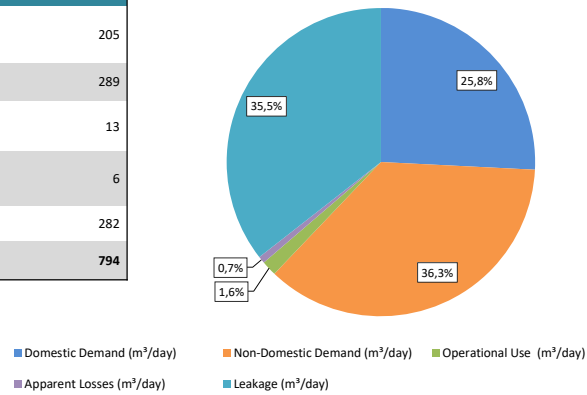
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	772	154	926	944	1 114	1 390
2025	776	155	931	949	1 120	1 396
2030	780	156	936	956	1 128	1 405
2035	785	157	942	963	1 137	1 413
2040	790	158	948	970	1 145	1 421
2044	793	159	952	975	1 151	1 428

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)		
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 -	855 -		
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

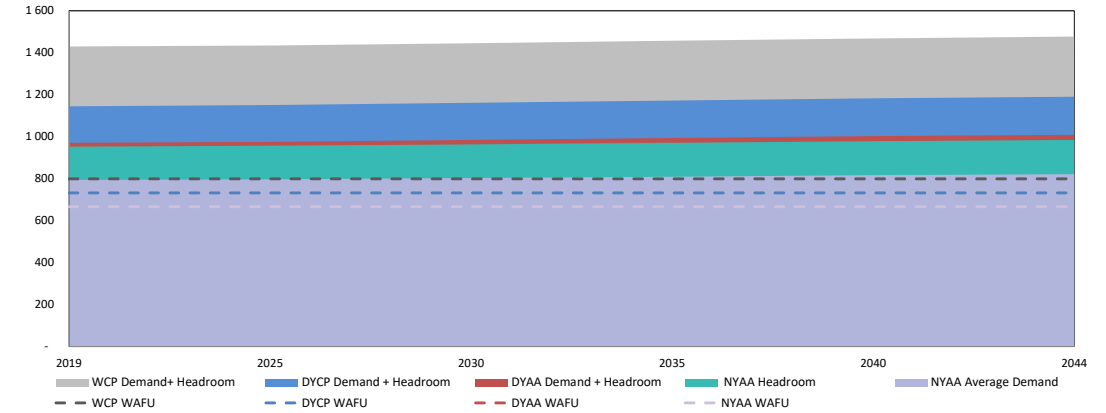
Base Demand in	2019
Domestic Demand (m³/day)	205
Non-Domestic Demand (m³/day)	289
Operational Use (m³/day)	13
Apparent Losses (m³/day)	6
Leakage (m³/day)	282
Demand (m³/day)	794

Components of Base Demand 2019



m³/day

Supply Demand Balance

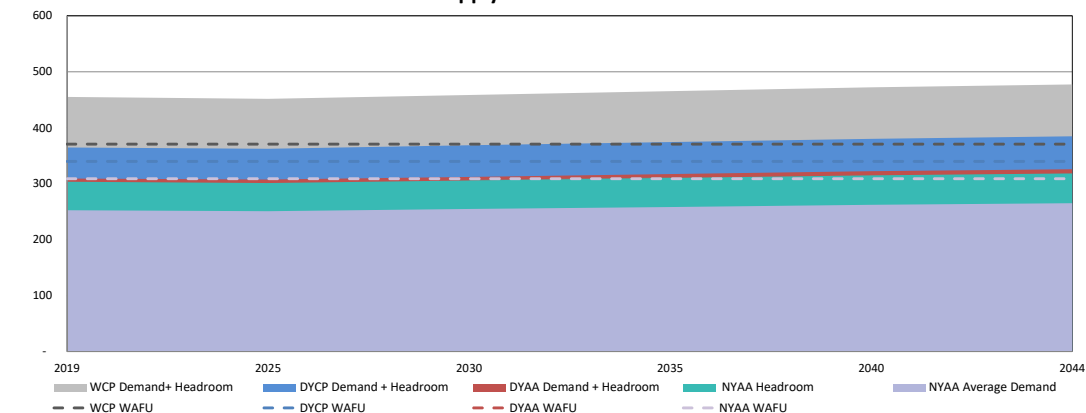
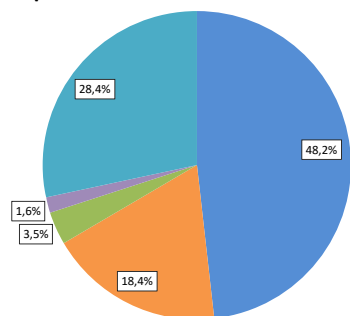


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	794	159	953	971	1 146	1 430
2025	797	159	956	976	1 151	1 435
2030	803	161	964	985	1 162	1 446
2035	810	162	972	994	1 172	1 458
2040	816	163	979	1 003	1 183	1 469
2044	821	164	985	1 009	1 191	1 478

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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	667	667	733	800	286	304	412	630	
2025	667	667	733	800	290	309	418	635	
2030	667	667	733	800	297	318	429	646	
2035	667	667	733	800	305	327	439	658	
2040	667	667	733	800	313	336	450	669	
2044	667	667	733	800	319	342	458	678	

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



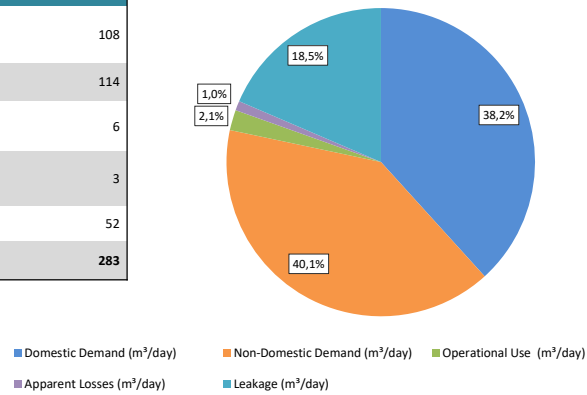
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 -	101	

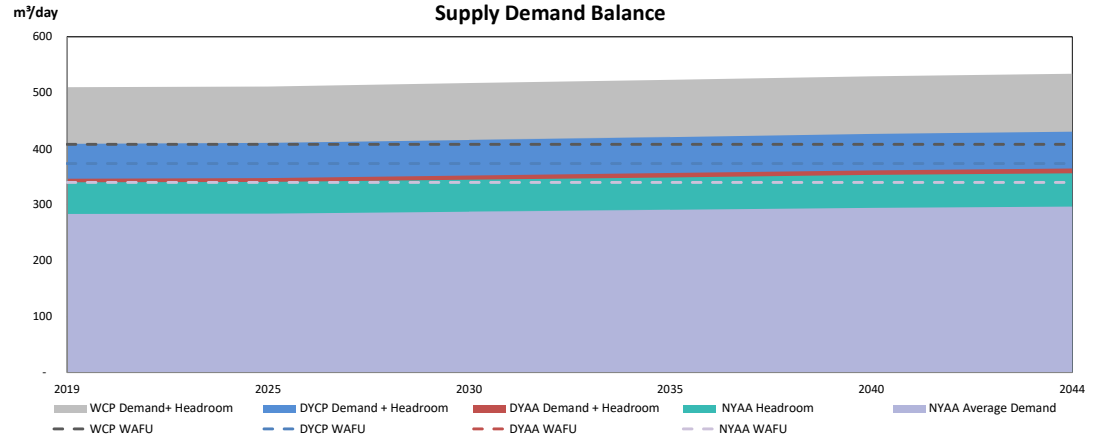
WRZ CODE	2200SC0017	WRZ Name	Newport	Study Area	D	Study Group	Local Authority	Mayo

Base Demand in	2019
Domestic Demand (m³/day)	108
Non-Domestic Demand (m³/day)	114
Operational Use (m³/day)	6
Apparent Losses (m³/day)	3
Leakage (m³/day)	52
Demand (m³/day)	283

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	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

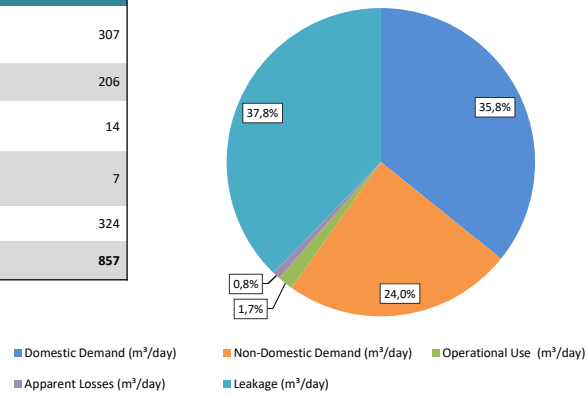
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

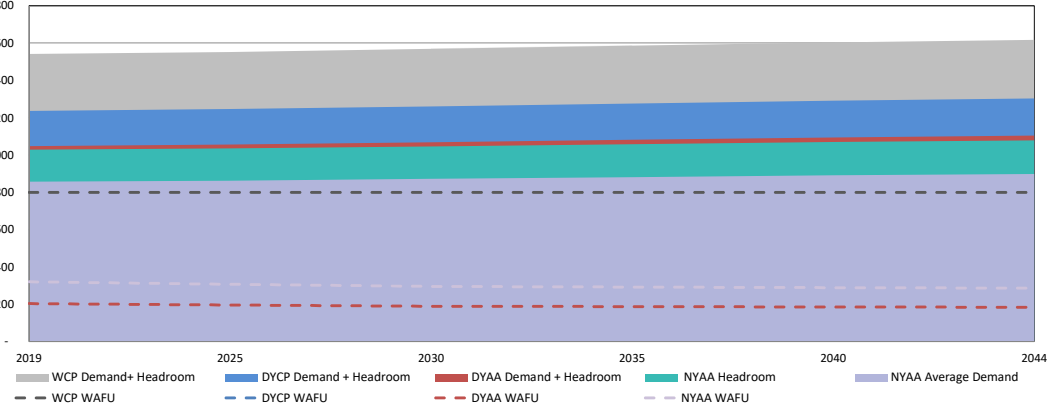
Base Demand in	2019
Domestic Demand (m³/day)	307
Non-Domestic Demand (m³/day)	206
Operational Use (m³/day)	14
Apparent Losses (m³/day)	7
Leakage (m³/day)	324
Demand (m³/day)	857

Components of Base Demand 2019



m³/day

Supply Demand Balance

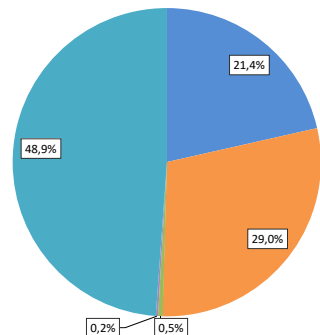
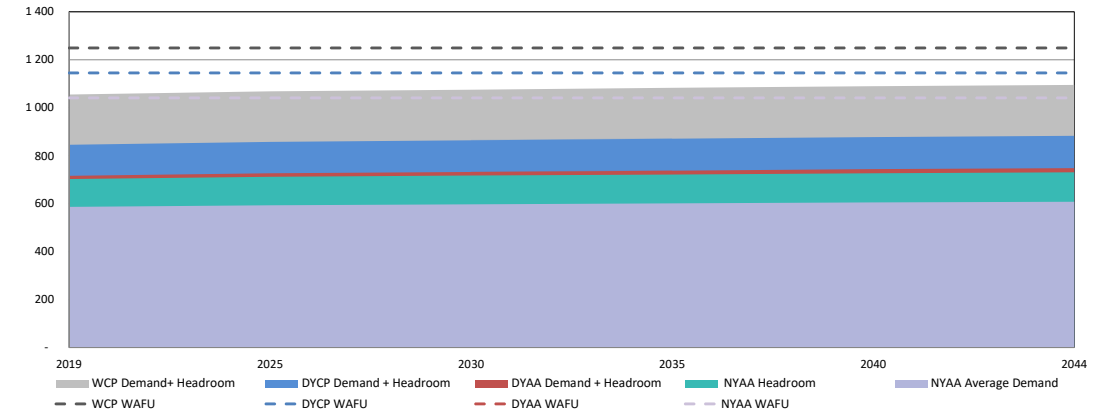


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	857	171	1 028	1 048	1 236	1 543
2025	863	173	1 035	1 056	1 246	1 553
2030	872	174	1 047	1 069	1 261	1 570
2035	882	176	1 058	1 082	1 276	1 587
2040	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	321	204	204	800 -	707 -	844 -	1 032 -	743		
2025	308	196	196	800 -	728 -	860 -	1 050 -	753		
2030	296	190	190	800 -	750 -	879 -	1 071 -	770		
2035	293	188	188	800 -	765 -	894 -	1 089 -	787		
2040	290	186	186	800 -	780 -	909 -	1 105 -	804		
2044	287	185	185	800 -	791 -	919 -	1 119 -	818		

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

m³/day

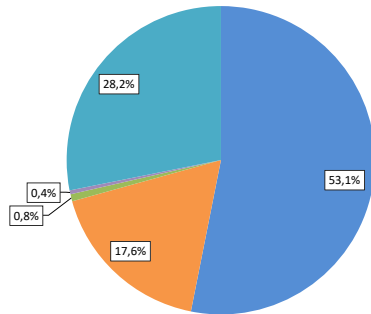
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	1 042	1 042	1 146	1 250	338	325	301	19	
2025	1 042	1 042	1 146	1 250	329	315	288	18	
2030	1 042	1 042	1 146	1 250	325	309	282	17	
2035	1 042	1 042	1 146	1 250	320	304	275	16	
2040	1 042	1 042	1 146	1 250	315	298	268	16	
2044	1 042	1 042	1 146	1 250	311	294	263	15	

WRZ CODE	2300SC0006	WRZ Name	Athboy	Study Area	3	Study Group		Local Authority	Meath

Base Demand in	2019
Domestic Demand (m³/day)	702
Non-Domestic Demand (m³/day)	232
Operational Use (m³/day)	10
Apparent Losses (m³/day)	5
Leakage (m³/day)	372
Demand (m³/day)	1 321

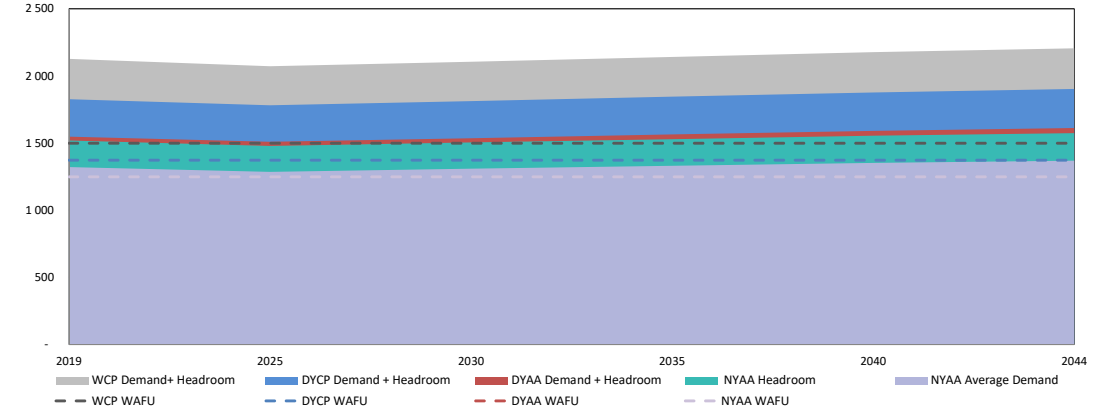
Components of Base Demand 2019



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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

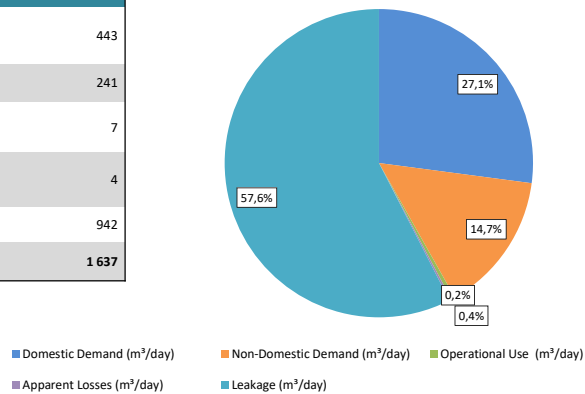
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	1 250	1 250	1 375	1 500	-	270	-	298	-	627
2025	1 250	1 250	1 375	1 500	-	230	-	260	-	572
2030	1 250	1 250	1 375	1 500	-	255	-	287	-	607
2035	1 250	1 250	1 375	1 500	-	280	-	314	-	642
2040	1 250	1 250	1 375	1 500	-	305	-	342	-	677
2044	1 250	1 250	1 375	1 500	-	325	-	362	-	705

WRZ CODE	2300SC0009	WRZ Name	Slane	Study Area	3	Study Group		Local Authority	Meath

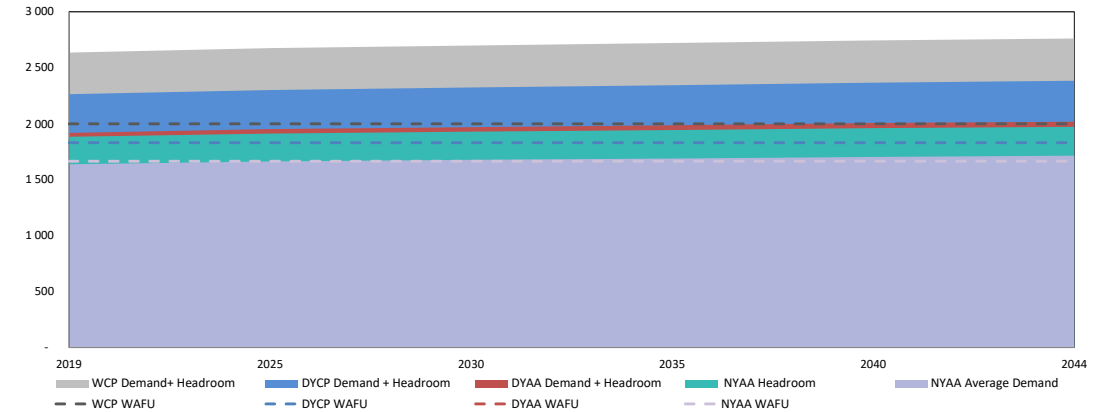
Base Demand in	2019
Domestic Demand (m³/day)	443
Non-Domestic Demand (m³/day)	241
Operational Use (m³/day)	7
Apparent Losses (m³/day)	4
Leakage (m³/day)	942
Demand (m³/day)	1 637

Components of Base Demand 2019



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	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

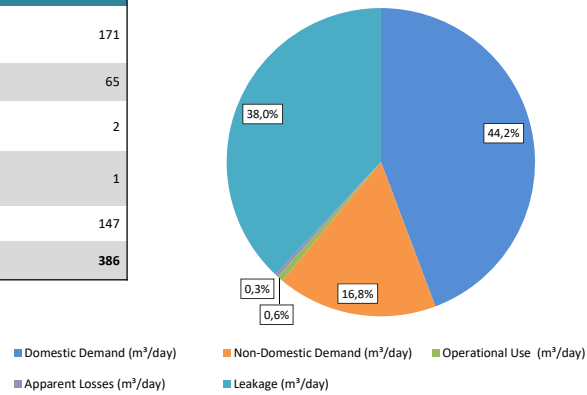
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	1 667	1 667	1 833	2 000	-	216	-	430	-	636
2025	1 667	1 667	1 833	2 000	-	246	-	469	-	677
2030	1 667	1 667	1 833	2 000	-	261	-	490	-	699
2035	1 667	1 667	1 833	2 000	-	277	-	512	-	722
2040	1 667	1 667	1 833	2 000	-	293	-	534	-	744
2044	1 667	1 667	1 833	2 000	-	306	-	551	-	761

WRZ CODE	2300SC0011	WRZ Name	Kilmessan	Study Area	3	Study Group		Local Authority	Meath

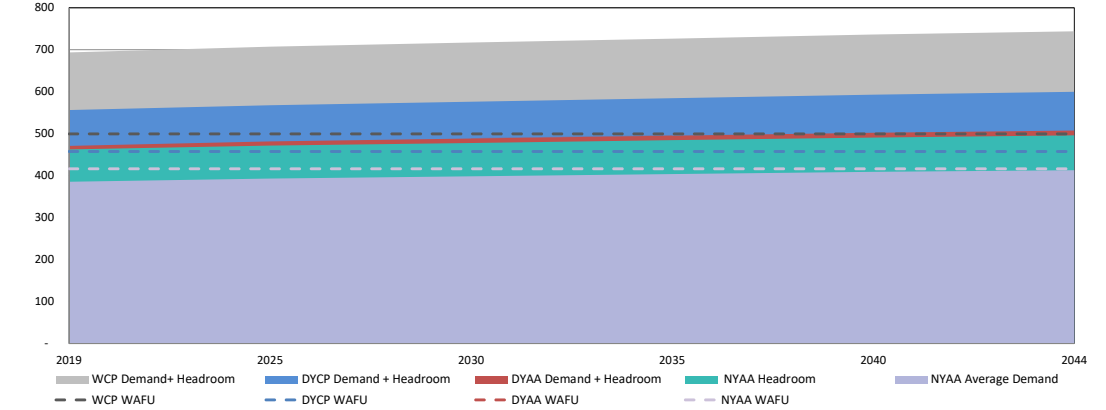
Base Demand in	2019
Domestic Demand (m³/day)	171
Non-Domestic Demand (m³/day)	65
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	147
Demand (m³/day)	386

Components of Base Demand 2019



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	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

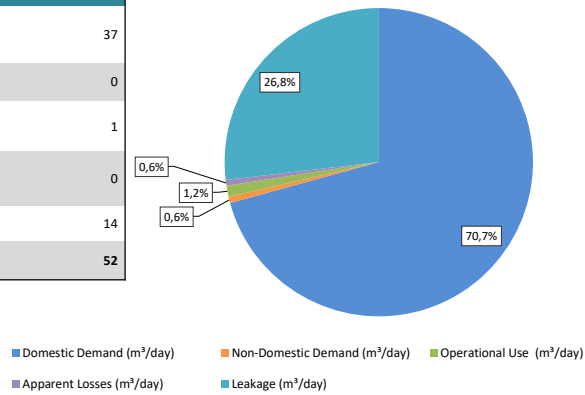
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	417	417	458	500	46 -	55 -	98 -	194 -	
2025	417	417	458	500	55 -	65 -	110 -	208 -	
2030	417	417	458	500	62 -	72 -	118 -	217 -	
2035	417	417	458	500	68 -	79 -	126 -	227 -	
2040	417	417	458	500	74 -	86 -	135 -	236 -	
2044	417	417	458	500	79 -	91 -	141 -	244 -	

WRZ CODE	2300SC0012	WRZ Name	Clonard	Study Area	4	Study Group		Local Authority	Meath

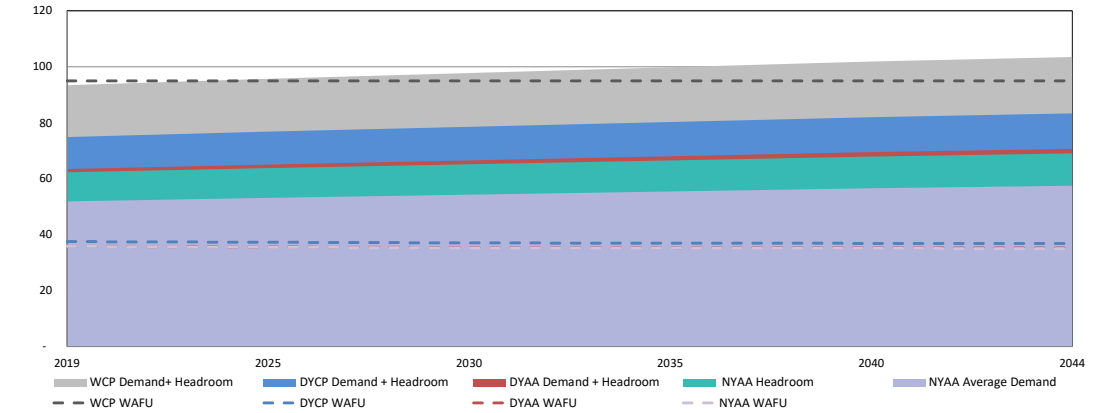
Base Demand in	2019
Domestic Demand (m³/day)	37
Non-Domestic Demand (m³/day)	0
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	14
Demand (m³/day)	52

Components of Base Demand 2019



m³/day

Supply Demand Balance

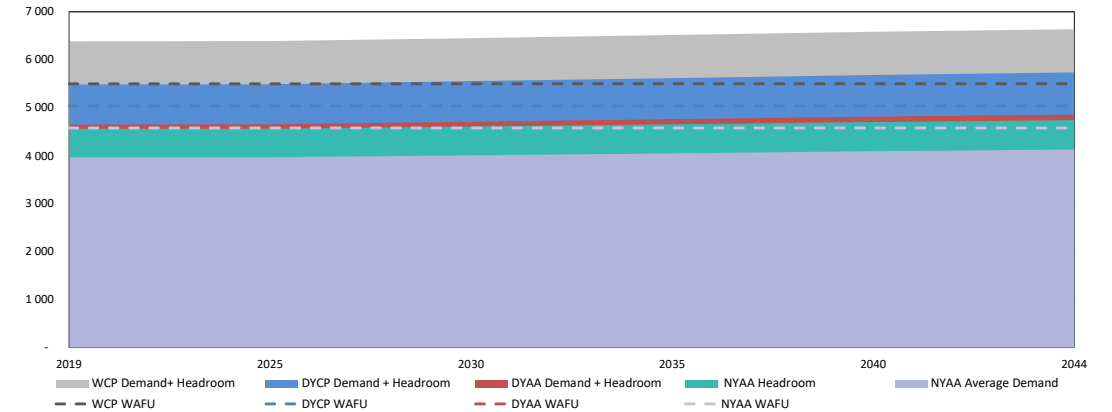
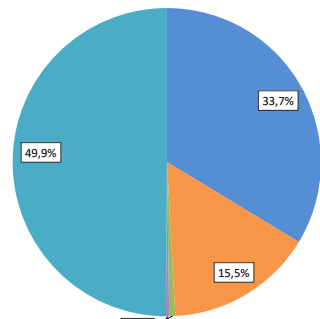


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	52	10	62	63	75	93
2025	53	11	64	65	77	96
2030	54	11	65	67	79	98
2035	55	11	67	68	80	100
2040	57	11	68	70	82	102
2044	57	11	69	71	83	103

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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



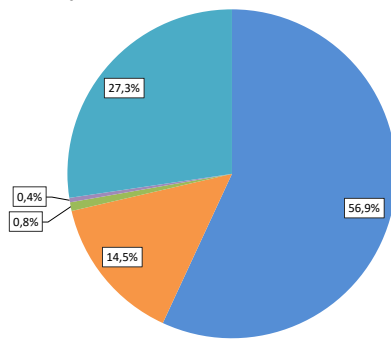
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)		NYAA (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)	
2019		4 583		4 583		5 042		5 500		21 -		64 -		442 -		88
2025		4 583		4 583		5 042		5 500		21 -		71 -		450 -		88
2030		4 583		4 583		5 042		5 500 -		27 -		125 -		514 -		95
2035		4 583		4 583		5 042		5 500 -		74 -		179 -		578 -		1 02
2040		4 583		4 583		5 042		5 500 -		122 -		234 -		641 -		1 08
2044		4 583		4 583		5 042		5 500 -		160 -		273 -		692 -		1 14

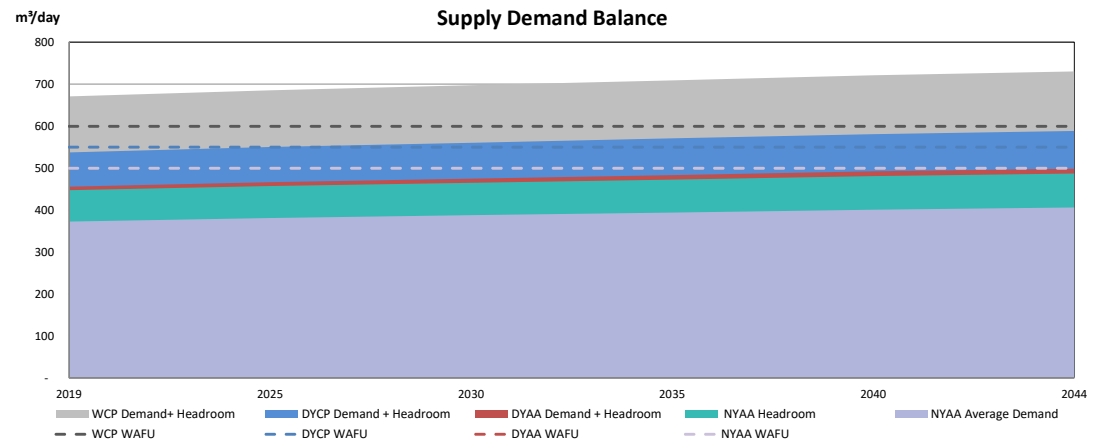
WRZ CODE	2300SC0016	WRZ Name	Longwood	Study Area	4	Study Group		Local Authority	Meath

Base Demand in	2019
Domestic Demand (m³/day)	212
Non-Domestic Demand (m³/day)	54
Operational Use (m³/day)	3
Apparent Losses (m³/day)	2
Leakage (m³/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)



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	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

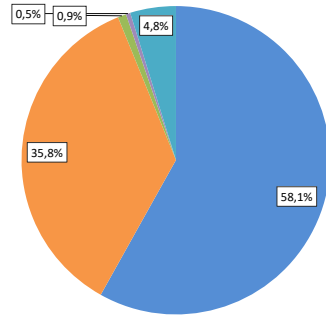
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000130	Longwood WTP	600	500	550	No Licence	575	22Hr	550	-	550	

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)		
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

Base Demand in	2019
Domestic Demand (m³/day)	411
Non-Domestic Demand (m³/day)	253
Operational Use (m³/day)	6
Apparent Losses (m³/day)	3
Leakage (m³/day)	34
Demand (m³/day)	708

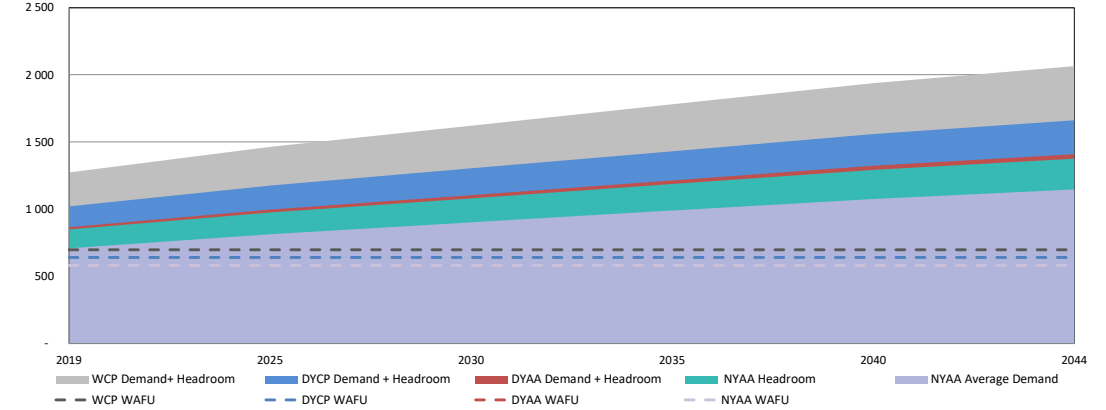
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

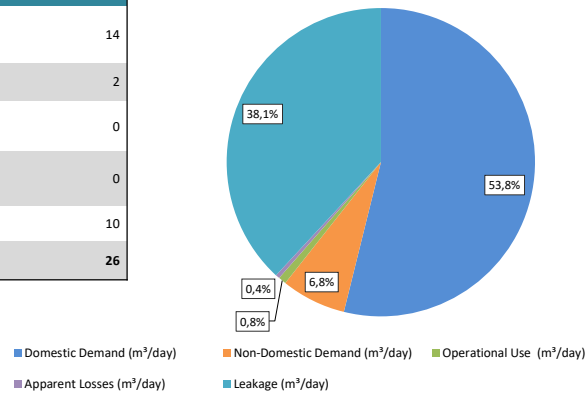
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	583	583	642	700 -	266 -	282 -	380 -	574	
2025	583	583	642	700 -	393 -	413 -	534 -	765	
2030	583	583	642	700 -	499 -	522 -	662 -	923	
2035	583	583	642	700 -	604 -	631 -	791 -	1 081	
2040	583	583	642	700 -	709 -	740 -	919 -	1 238	
2044	583	583	642	700 -	793 -	826 -	1 022 -	1 365	

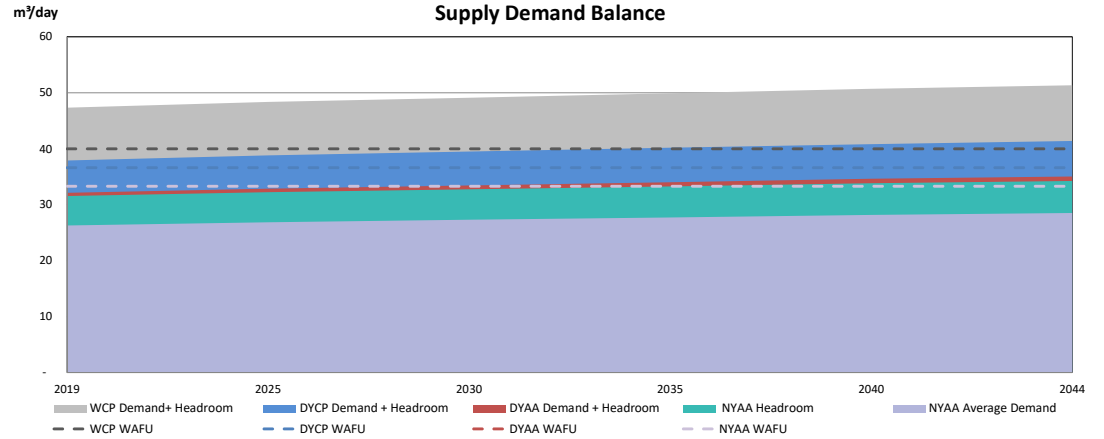
WRZ CODE	2300SC0024	WRZ Name	Castletown (Meath County)	Study Area	E	Study Group	Local Authority	Meath

Base Demand in	2019
Domestic Demand (m³/day)	14
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	10
Demand (m³/day)	26

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	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

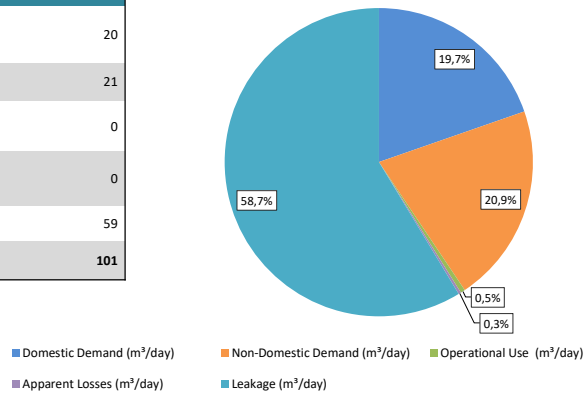
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

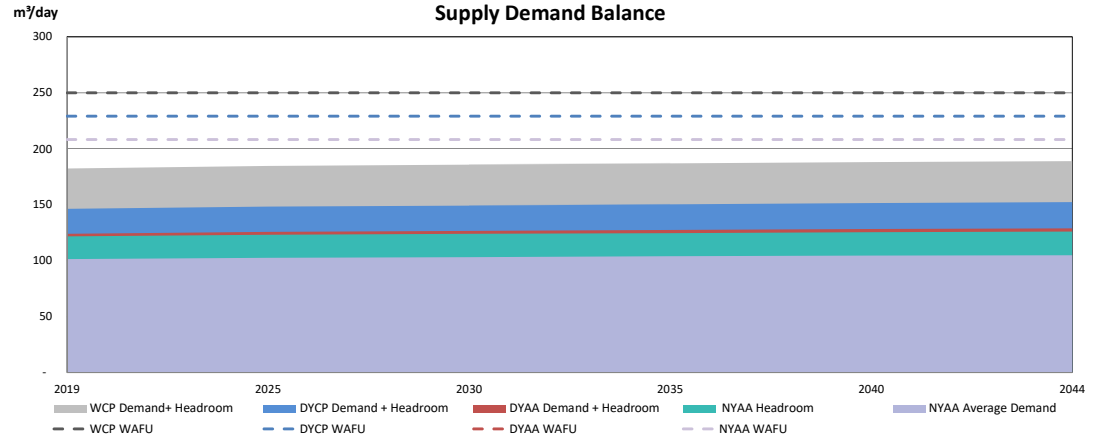
WRZ CODE	2300SC0027	WRZ Name	Moynalty	Study Area	3	Study Group		Local Authority	Meath

Base Demand in	2019
Domestic Demand (m³/day)	20
Non-Domestic Demand (m³/day)	21
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	59
Demand (m³/day)	101

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	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

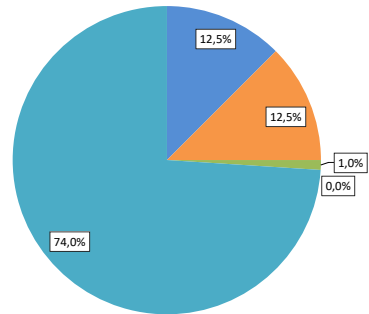
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

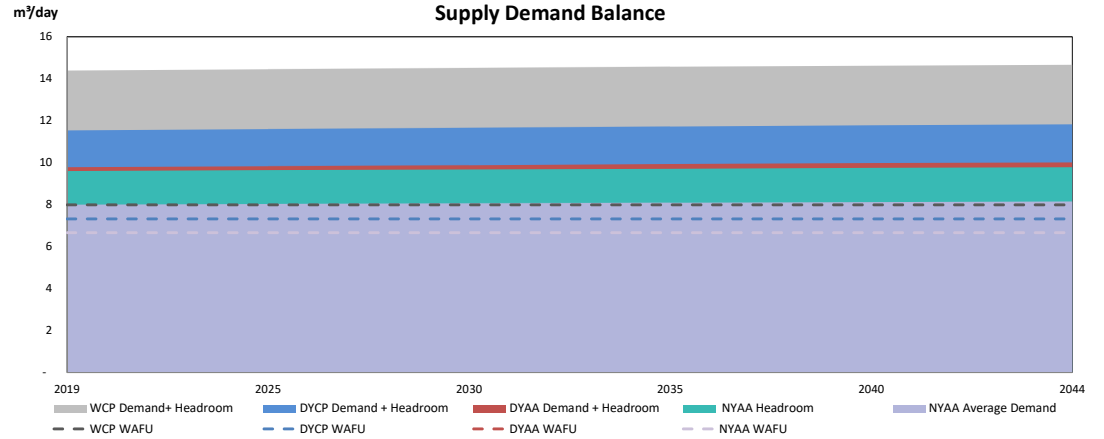
Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	6
Demand (m³/day)	8

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

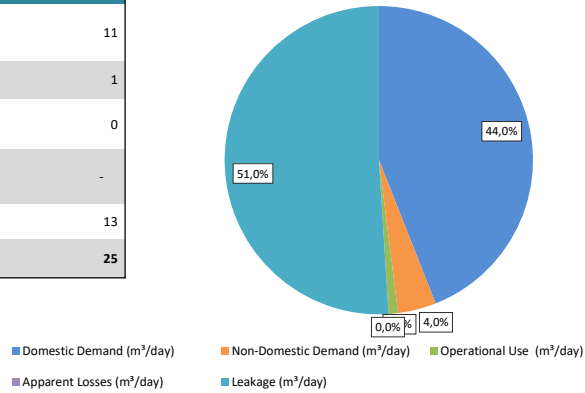
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

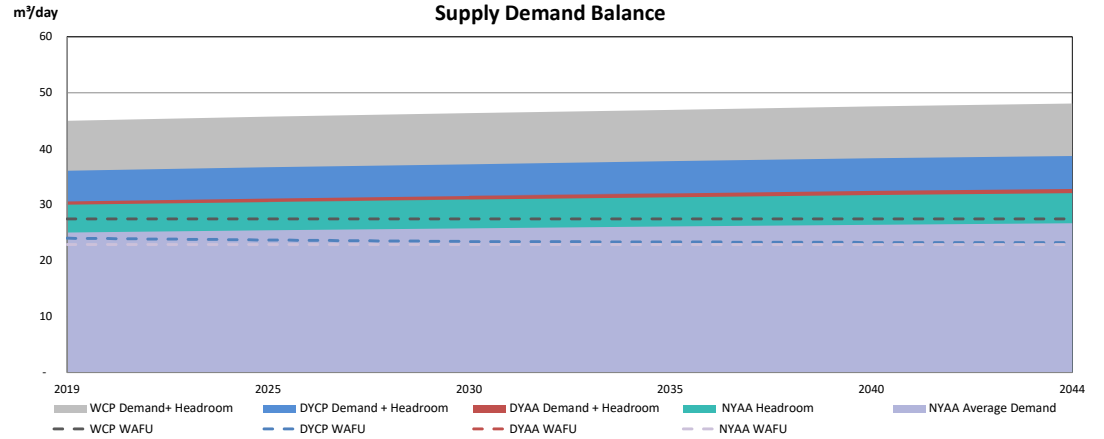
WRZ CODE	2300SC0049	WRZ Name	Moynalvey Manor	Study Area	3	Study Group		Local Authority	Meath

Base Demand in	2019
Domestic Demand (m³/day)	11
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	13
Demand (m³/day)	25

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	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

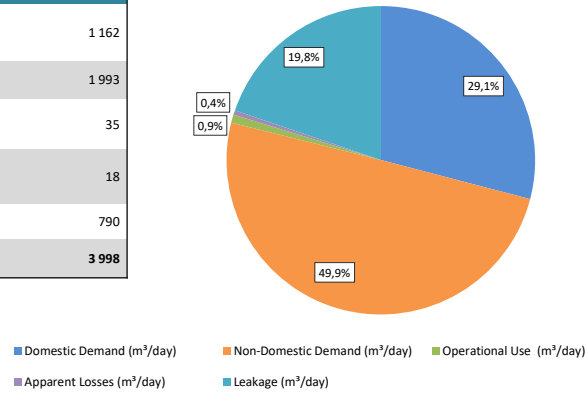
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	23	23	24	28 -	7 -	8 -	12 -	18	
2025	23	23	24	28 -	8 -	8 -	13 -	18	
2030	23	23	23	28 -	8 -	9 -	14 -	19	
2035	23	23	23	28 -	8 -	9 -	14 -	19	
2040	23	23	23	28 -	9 -	10 -	15 -	20	
2044	23	23	23	28 -	9 -	10 -	16 -	21	

WRZ CODE	2400SC0002	WRZ Name	Ballybay (Lough Egish)	Study Area	B	Study Group		Local Authority	Monaghan

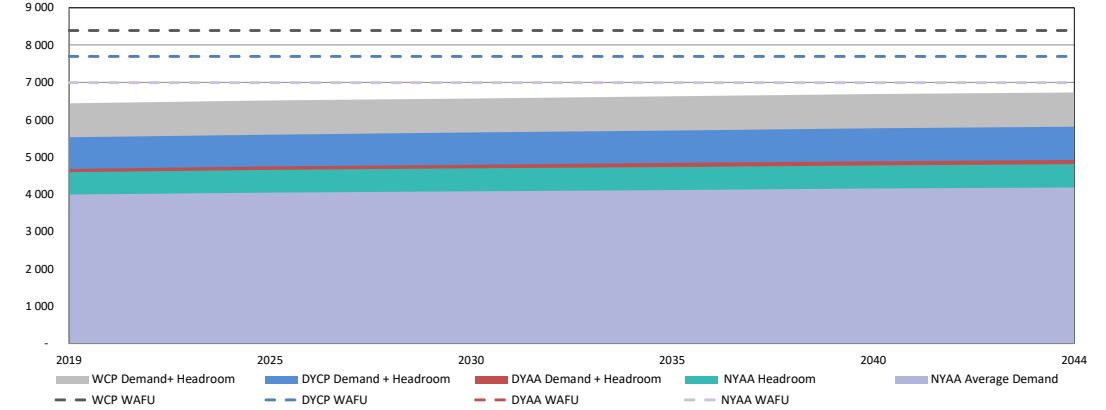
Base Demand in	2019
Domestic Demand (m³/day)	1 162
Non-Domestic Demand (m³/day)	1 993
Operational Use (m³/day)	35
Apparent Losses (m³/day)	18
Leakage (m³/day)	790
Demand (m³/day)	3 998

Components of Base Demand 2019



m³/day

Supply Demand Balance

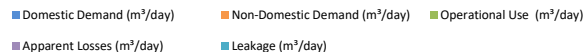


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	3 998	600	4 598	4 684	5 527	6 437
2025	4 046	607	4 653	4 746	5 601	6 514
2030	4 082	612	4 694	4 794	5 657	6 572
2035	4 118	618	4 736	4 842	5 714	6 630
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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	2400SC0003	WRZ Name	Clones	Study Area	B	Study Group		Local Authority	Monaghan



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	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

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)		
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	2400SC0004	WRZ Name	Newbliss	Study Area	B	Study Group		Local Authority	Monaghan



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



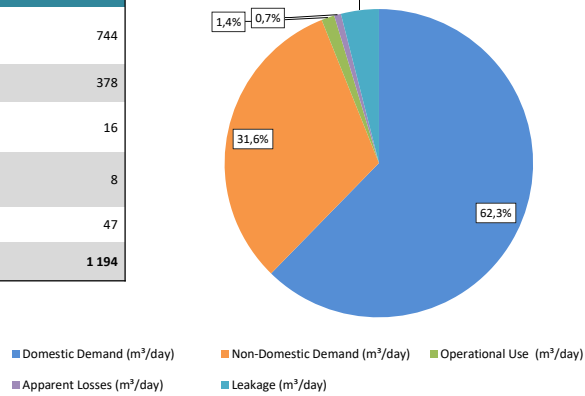
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	128	26	154	157	185	231
2025	130	26	156	159	188	234
2030	131	26	158	161	190	237
2035	133	27	160	163	193	239
2040	135	27	162	165	195	242
2044	136	27	163	167	197	245

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)		
2019	278	250	250	333	124	94	65	102		
2025	278	247	247	333	122	88	59	95		
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	89		

WRZ CODE	2400SC0006	WRZ Name	Carrickmacross	Study Area	E	Study Group	Local Authority	Monaghan

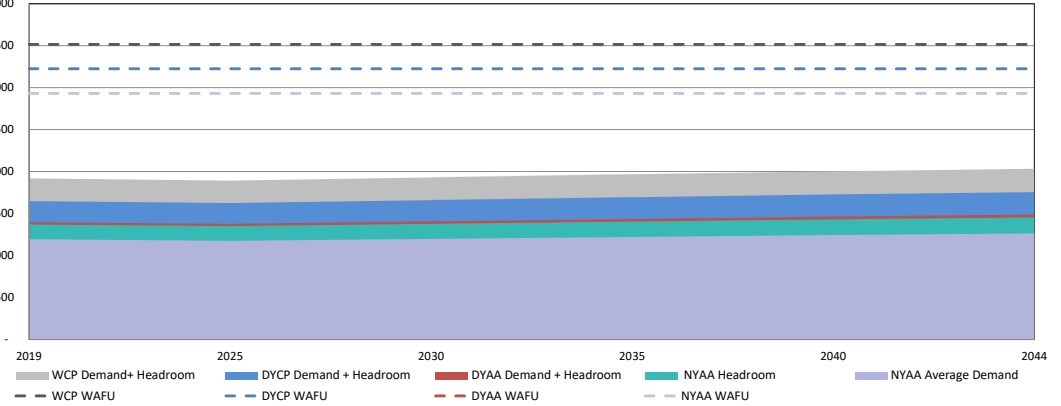
Base Demand in	2019
Domestic Demand (m³/day)	744
Non-Domestic Demand (m³/day)	378
Operational Use (m³/day)	16
Apparent Losses (m³/day)	8
Leakage (m³/day)	47
Demand (m³/day)	1 194

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

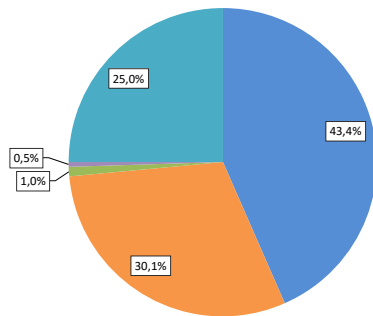
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000260	Nafarty WTP	3 520	2 933	3 227	No Licence	6 207	22Hr	3 227	-	3 227	
TOTAL											

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)	
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	2400SC0009	WRZ Name	Inniskeen	Study Area	E	Study Group	Local Authority	Monaghan

Base Demand in	2019
Domestic Demand (m³/day)	66
Non-Domestic Demand (m³/day)	46
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	38
Demand (m³/day)	153

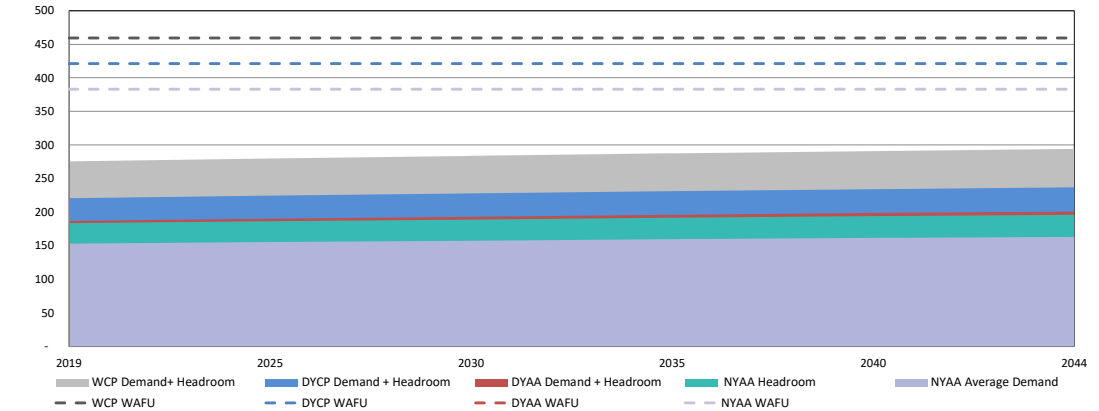
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

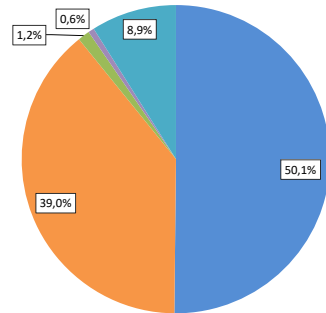
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000485	Inniskeen WTP	460	383	422	No Licence	12 959	22Hr	422	-	422	
TOTAL		460	383	422	-	12 959		422	-	422	

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)	
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

Base Demand in	2019
Domestic Demand (m³/day)	57
Non-Domestic Demand (m³/day)	44
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	10
Demand (m³/day)	113

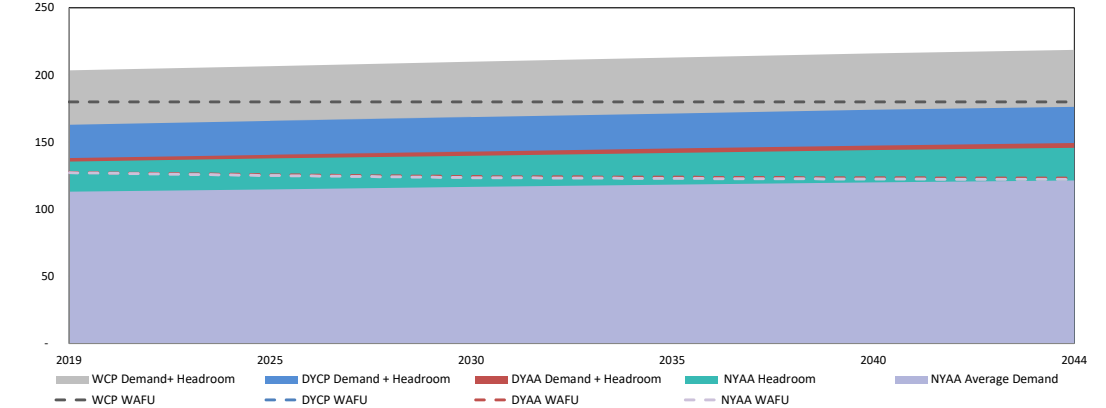
Components of Base Demand 2019



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

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	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

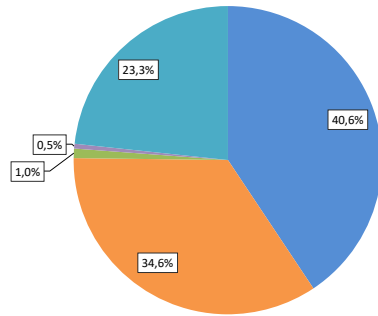
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	127	128	128	180	-	8	-	35	2	
2025	125	126	126	180	-	12	-	40	2	
2030	124	124	124	180	-	16	-	44	3	
2035	123	124	124	180	-	19	-	47	3	
2040	123	124	124	180	-	21	-	50	3	
2044	122	123	123	180	-	24	-	53	3	

WRZ CODE	2400SC0011	WRZ Name	Monaghan	Study Area	B	Study Group		Local Authority	Monaghan

Base Demand in	2019
Domestic Demand (m³/day)	1 162
Non-Domestic Demand (m³/day)	989
Operational Use (m³/day)	28
Apparent Losses (m³/day)	15
Leakage (m³/day)	666
Demand (m³/day)	2 861

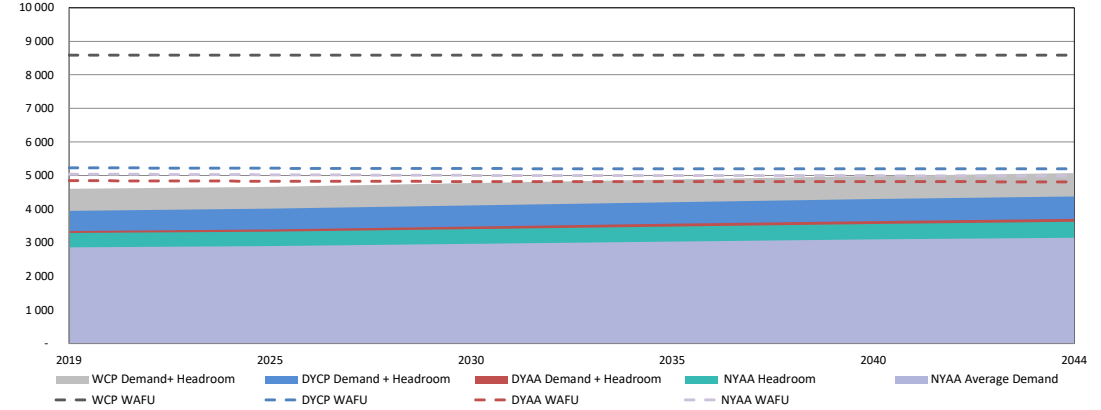
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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

2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom
WCP WAFU

DYCP Demand + Headroom
DYCP WAFU

DYAA Demand + Headroom
DYAA WAFU

NYAA Headroom
NYAA WAFU

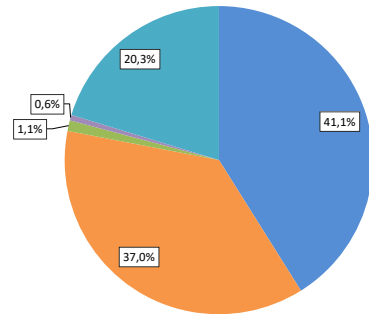
NYAA Average Demand

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
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	

WRZ CODE	2500SC0002	WRZ Name	Tullamore	Study Area	6	Study Group		Local Authority	Offaly

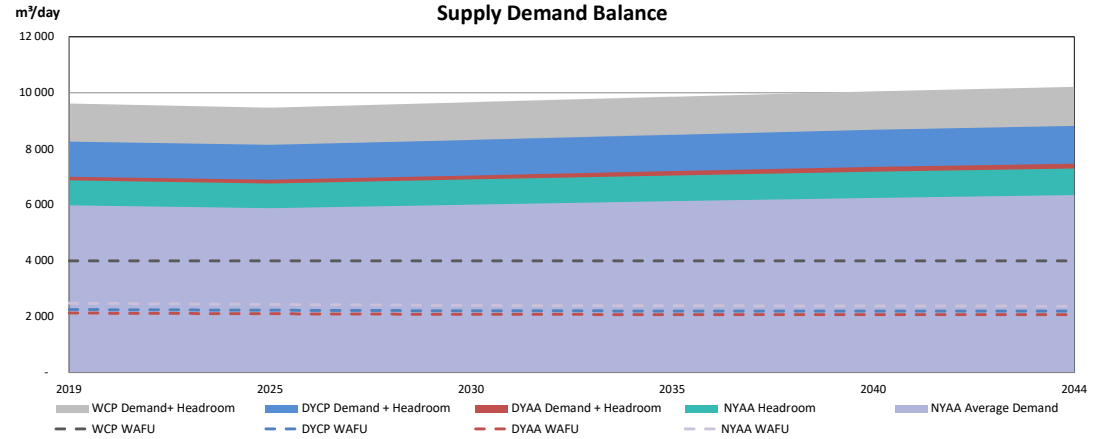
Base Demand in	2019
Domestic Demand (m³/day)	2 453
Non-Domestic Demand (m³/day)	2 208
Operational Use (m³/day)	66
Apparent Losses (m³/day)	34
Leakage (m³/day)	1 211
Demand (m³/day)	5 973

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

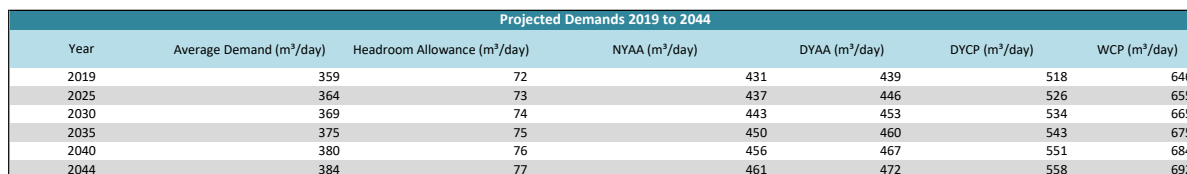
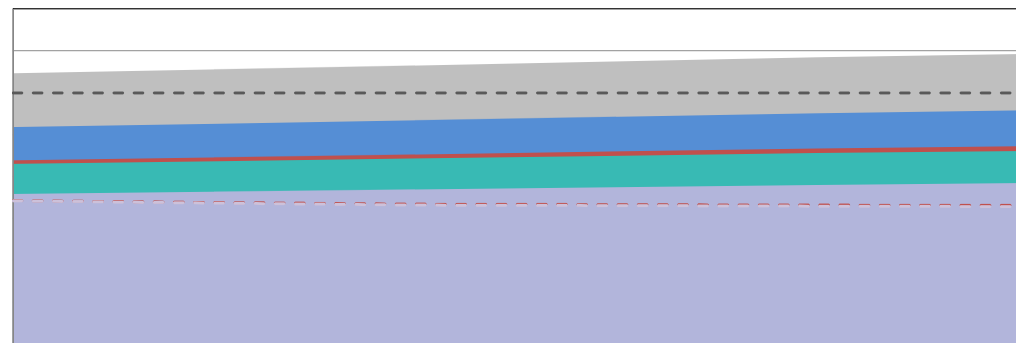
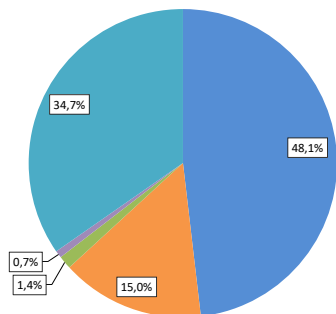


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	5 973	896	6 869	6 997	8 256	9 616
2025	5 878	882	6 760	6 896	8 137	9 464
2030	6 000	900	6 900	7 047	8 315	9 660
2035	6 122	918	7 041	7 199	8 495	9 857
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 (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
WTP0001245	Arden WTP	1 500	1 250	1 375	No Licence	1 580	22Hr	1 375	-	1 375	
WTP0001258	Clonslee 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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		

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



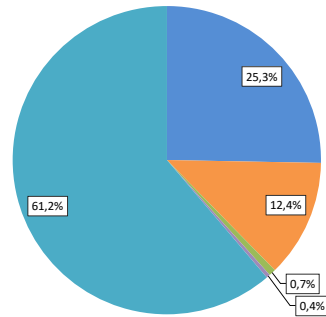
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)		NYAA (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)	
2019		343		343		343	600 -	88 -		96 -				175 -		4
2025		337		339		339	600 -	100 -		107 -				187 -		5
2030		333		335		335	600 -	111 -		118 -				199 -		6
2035		331		334		334	600 -	118 -		126 -				209 -		7
2040		330		333		333	600 -	126 -		134 -				218 -		8
2044		329		332		332	600 -	132 -		140 -				226 -		9

WRZ CODE	2500SC0004	WRZ Name	Geashill PWS	Study Area	4	Study Group		Local Authority	Offaly

Base Demand in	2019
Domestic Demand (m³/day)	90
Non-Domestic Demand (m³/day)	44
Operational Use (m³/day)	3
Apparent Losses (m³/day)	1
Leakage (m³/day)	217
Demand (m³/day)	355

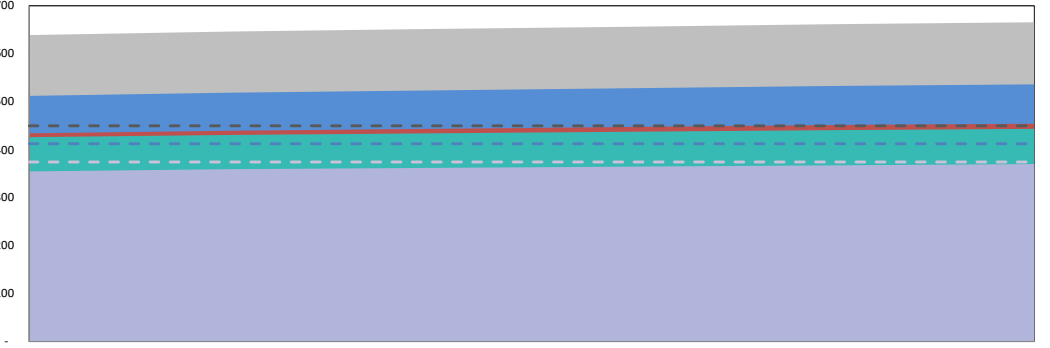
Components of Base Demand 2019



■ 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



2019 2025 2030 2035 2040 2044
 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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

2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom DYCP Demand + Headroom DYAA Demand + Headroom NYAA Headroom NYAA Average Demand

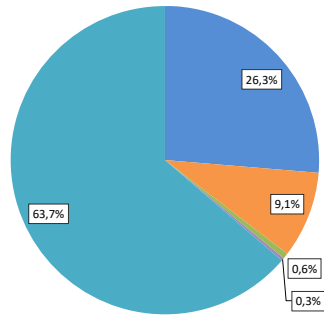
WCP WAFU DYCP WAFU DYAA WAFU NYAA WAFU

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		
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

WRZ CODE	2500SC0006	WRZ Name	Walsh Island PWS	Study Area	4	Study Group		Local Authority	Offaly

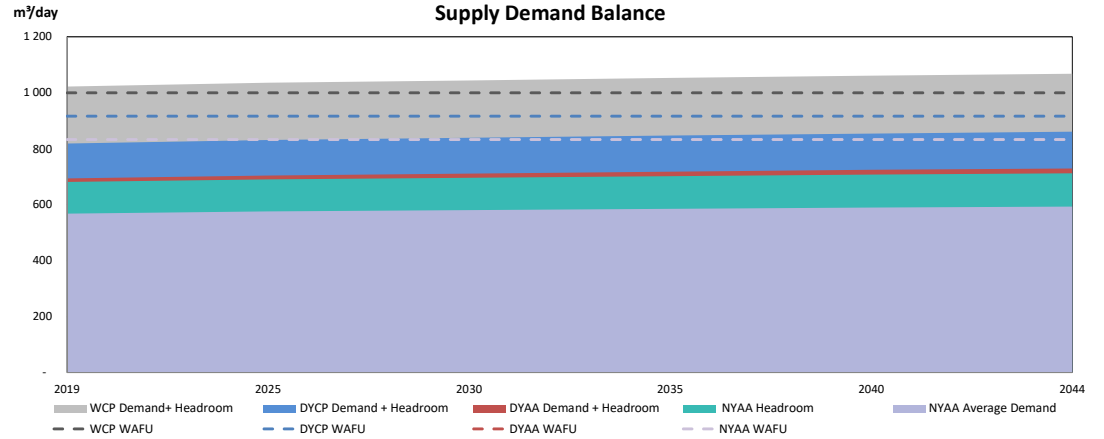
Base Demand in	2019
Domestic Demand (m³/day)	149
Non-Domestic Demand (m³/day)	52
Operational Use (m³/day)	3
Apparent Losses (m³/day)	2
Leakage (m³/day)	362
Demand (m³/day)	568

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	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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

Response	Percentage
1. Jako loše	44,3%
2. Loše	37,5%
3. Umjereno loše	16,1%
4. Umjereno dobro	1,3%
5. Jako dobro	0,7%

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	194	39	232	237	279	341
2025	196	39	235	240	283	351
2030	199	40	239	244	288	356
2035	202	40	242	247	292	361
2040	204	41	245	251	296	366
2044	206	41	248	254	299	371

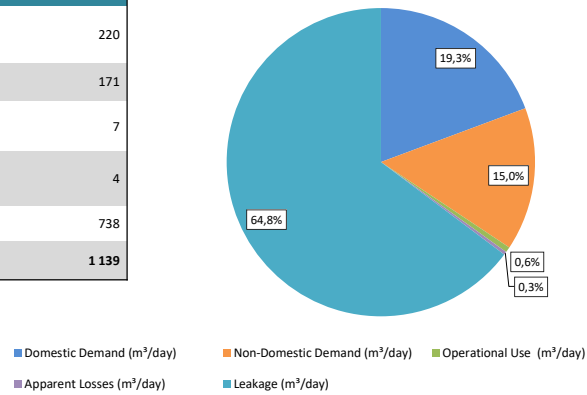
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	350	350	385	420	118	113	106	7
2025	350	350	385	420	115	110	102	6
2030	350	350	385	420	111	106	97	6
2035	350	350	385	420	108	103	93	5
2040	350	350	385	420	105	99	89	5
2044	350	350	385	420	102	96	86	4

WRZ CODE	2500SC0010	WRZ Name	Dunkerrin / Moneygall	Study Area	7	Study Group		Local Authority	Offaly

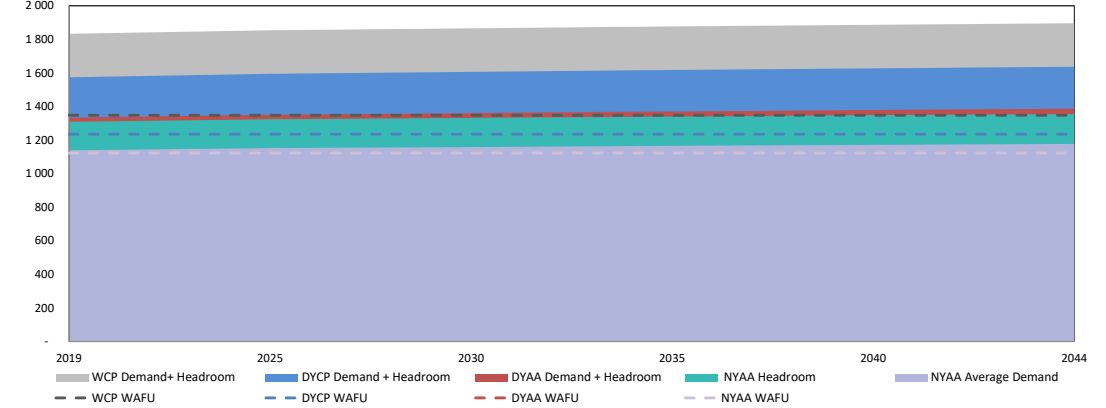
Base Demand in	2019
Domestic Demand (m³/day)	220
Non-Domestic Demand (m³/day)	171
Operational Use (m³/day)	7
Apparent Losses (m³/day)	4
Leakage (m³/day)	738
Demand (m³/day)	1 139

Components of Base Demand 2019



m³/day

Supply Demand Balance



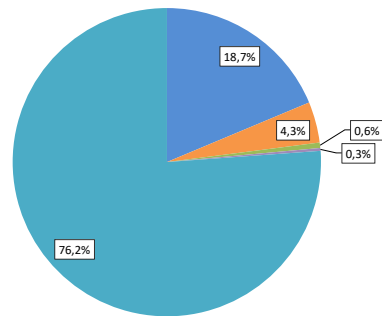
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	1 139	171	1 310	1 335	1 575	1 834
2025	1 152	173	1 325	1 351	1 595	1 855
2030	1 159	174	1 333	1 361	1 606	1 866
2035	1 166	175	1 340	1 371	1 617	1 877
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 (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
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	
WTP0001249	Jones Well WTP	400	333	367	No Licence	383	22Hr	367	-	367	
WTP0001264	Lisduff Spring WTP	450	375	413	No Licence	431	22Hr	413	-	413	Significant Reduction

WRZ CODE	2500SC0012	WRZ Name	Coolderry PWS	Study Area	7	Study Group		Local Authority	Offaly

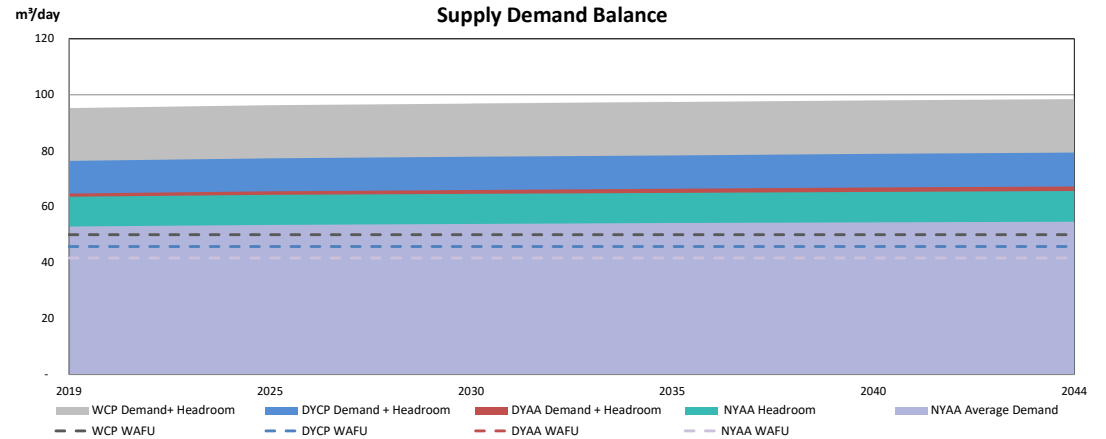
Base Demand in	2019
Domestic Demand (m³/day)	10
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	40
Demand (m³/day)	53

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

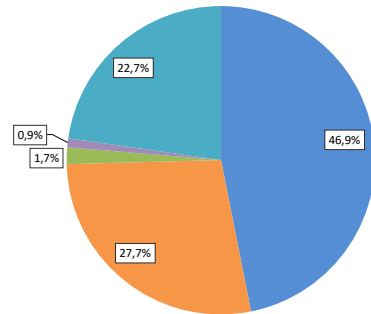
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP1000153	Coolderry WTP	50	42	46	No Licence	48	22Hr	46	-	46	
TOTAL		50	42	46	-	48		46	-	46	

Year	NYAA (m³/day)	DYAA (m³/day)	WAFU	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

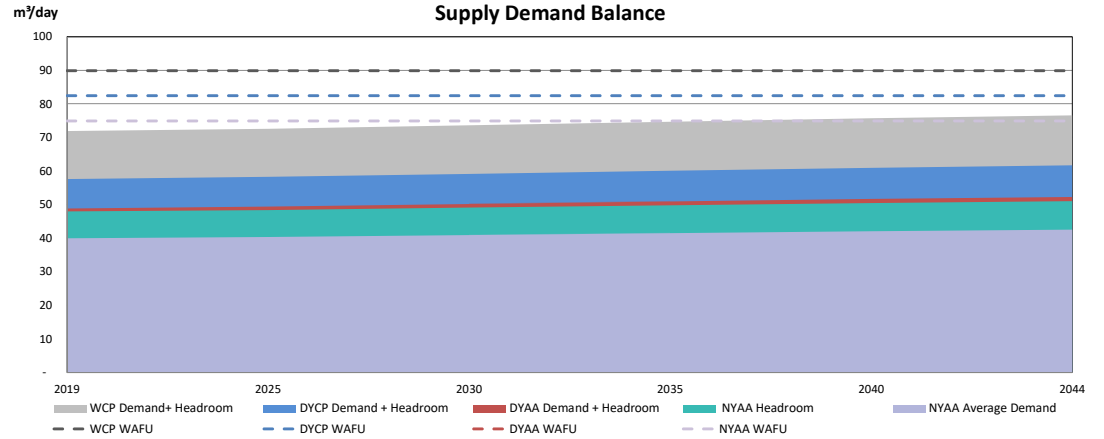
Base Demand in	2019
Domestic Demand (m³/day)	19
Non-Domestic Demand (m³/day)	11
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	9
Demand (m³/day)	40

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)

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	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

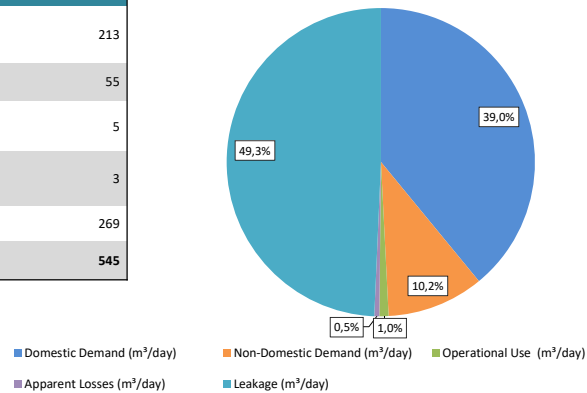
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

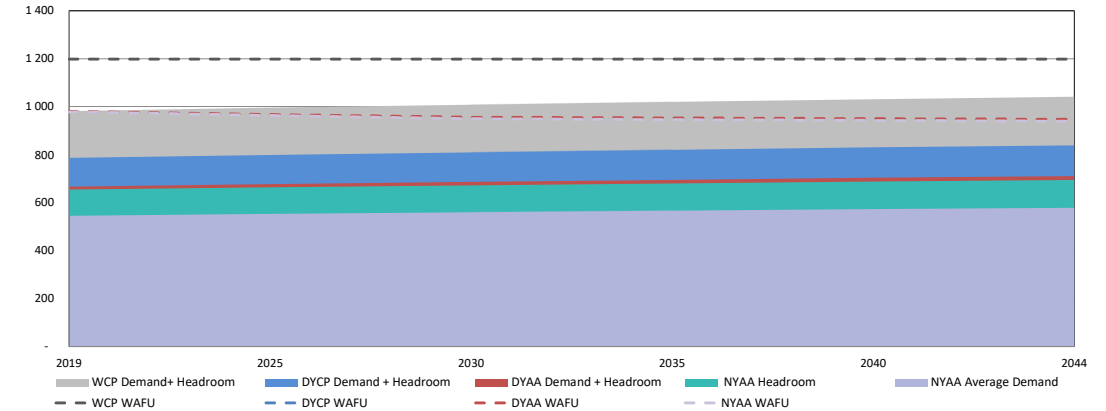
Base Demand in	2019
Domestic Demand (m ³ /day)	213
Non-Domestic Demand (m ³ /day)	55
Operational Use (m ³ /day)	5
Apparent Losses (m ³ /day)	3
Leakage (m ³ /day)	269
Demand (m³/day)	545

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m 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

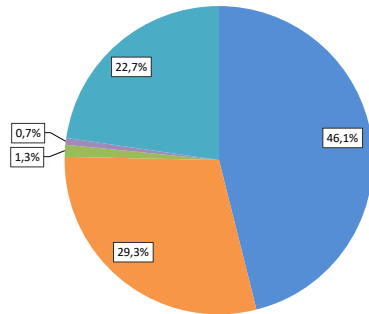
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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	

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)	
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

Base Demand in	2019
Domestic Demand (m³/day)	929
Non-Domestic Demand (m³/day)	590
Operational Use (m³/day)	25
Apparent Losses (m³/day)	14
Leakage (m³/day)	458
Demand (m³/day)	2 016

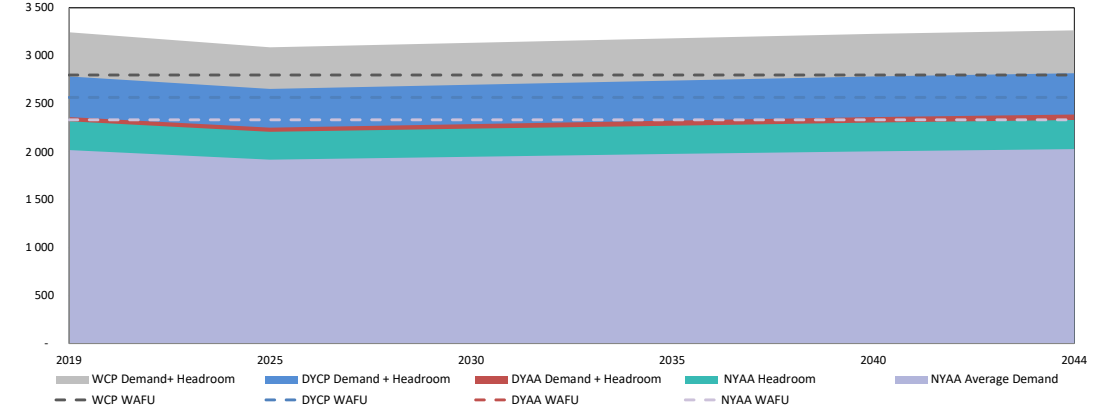
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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

2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom DYCP Demand + Headroom DYAA Demand + Headroom NYAA Headroom NYAA Average Demand

WCP WAFU DYCP WAFU DYAA WAFU NYAA WAFU

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
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	

WRZ CODE	2500SC0017	WRZ Name	Rahan	Study Area	5	Study Group		Local Authority	Offaly

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)

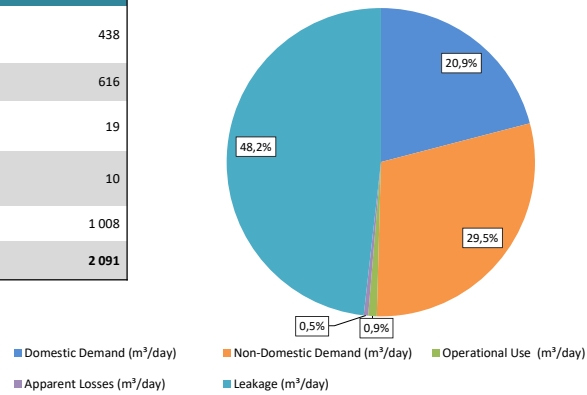
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	1 695	254	1 949	1 986	2 343	2 720
2025	1 726	259	1 985	2 025	2 390	2 770
2030	1 748	262	2 010	2 053	2 422	2 810
2035	1 770	265	2 035	2 081	2 455	2 840
2040	1 791	269	2 060	2 109	2 488	2 880
2044	1 809	271	2 080	2 130	2 514	2 910

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)	
2019	2 627	2 628	2 861	3 400	678	642	518	67	
2025	2 622	2 624	2 857	3 400	637	599	468	62	
2030	2 619	2 620	2 854	3 400	608	567	431	58	
2035	2 617	2 619	2 853	3 400	582	538	397	55	
2040	2 616	2 619	2 852	3 400	556	509	364	51	
2044	2 615	2 615	2 851	3 400	535	488	337	48	

WRZ CODE	2600SC0001	WRZ Name	Mount Talbot/Four Roads	Study Area	5	Study Group		Local Authority	Roscommon

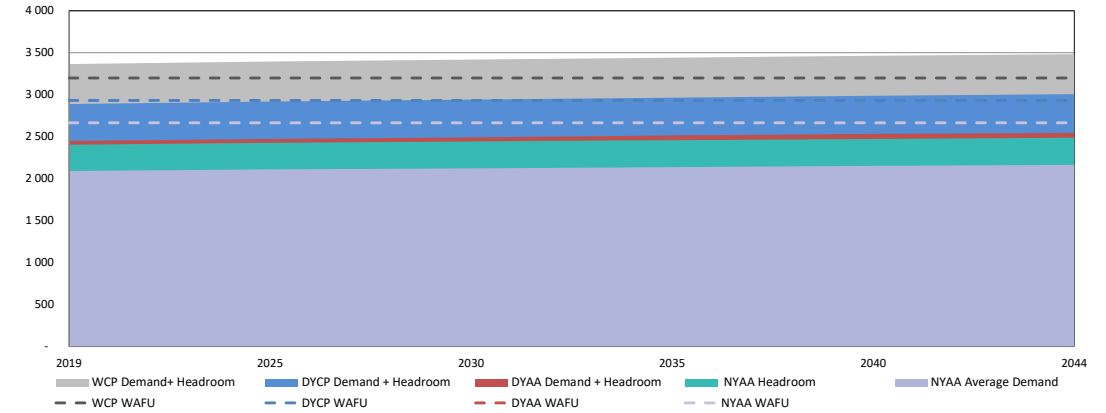
Base Demand in	2019
Domestic Demand (m ³ /day)	438
Non-Domestic Demand (m ³ /day)	616
Operational Use (m ³ /day)	19
Apparent Losses (m ³ /day)	10
Leakage (m ³ /day)	1 008
Demand (m³/day)	2 091

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

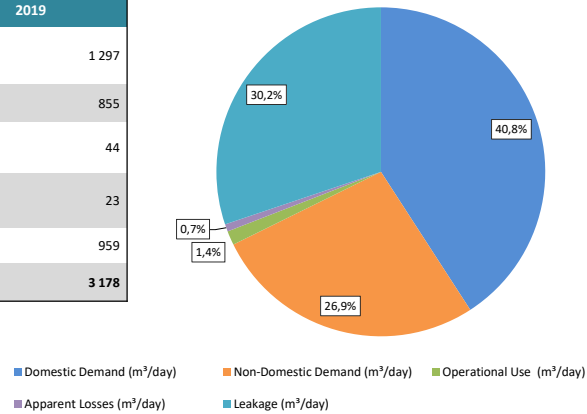
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	2 667	2 667	2 933	3 200	263	218	44 -	16	
2025	2 667	2 667	2 933	3 200	241	192	14 -	19	
2030	2 667	2 667	2 933	3 200	225	173 -	9 -	21	
2035	2 667	2 667	2 933	3 200	208	153 -	33 -	24	
2040	2 667	2 667	2 933	3 200	192	133 -	55 -	26	
2044	2 667	2 667	2 933	3 200	179	120 -	73 -	28	

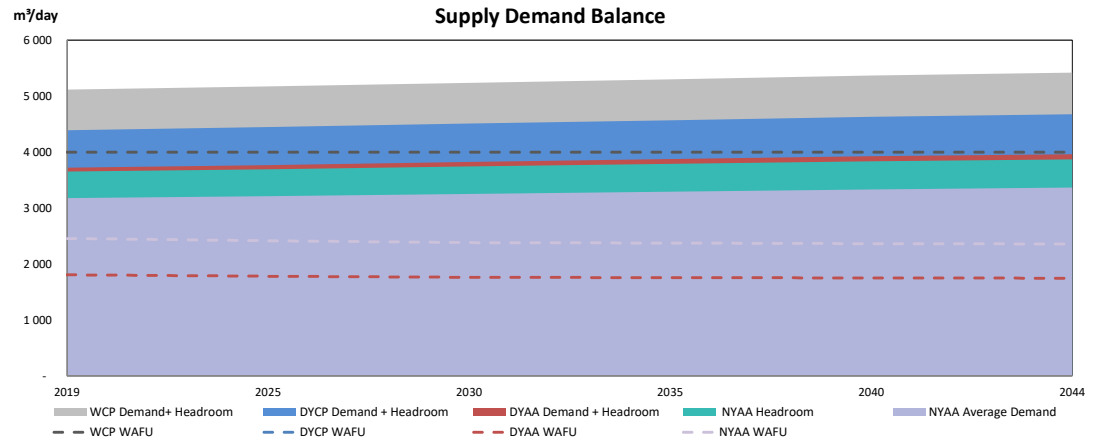
WRZ CODE	2600SC0002	WRZ Name	North East Regional PWS	Study Area	F	Study Group		Local Authority	Roscommon

Base Demand in	2019
Domestic Demand (m³/day)	1 297
Non-Domestic Demand (m³/day)	855
Operational Use (m³/day)	44
Apparent Losses (m³/day)	23
Leakage (m³/day)	959
Demand (m³/day)	3 178

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	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

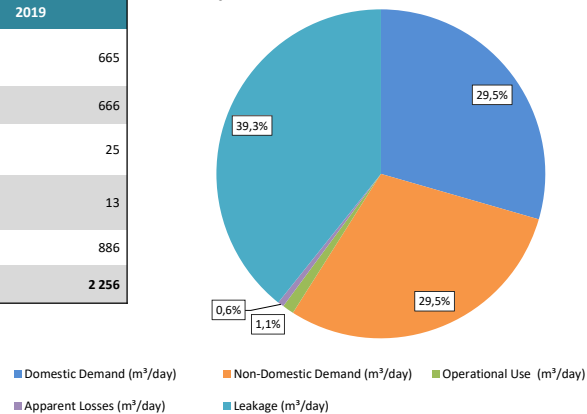
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP1000215	Grange WTP	4 000	3 333	3 667	No Licence	1 891	Yield	1 749	-	1 749	

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)		
2019	2 459	1 810	1 810	4 000	1 196	1 913	2 583	1 116		
2025	2 419	1 785	1 785	4 000	1 276	1 985	2 663	1 174		
2030	2 387	1 765	1 765	4 000	1 355	2 057	2 744	1 238		
2035	2 377	1 759	1 759	4 000	1 411	2 114	2 811	1 303		
2040	2 368	1 753	1 753	4 000	1 466	2 172	2 878	1 368		
2044	2 360	1 749	1 749	4 000	1 511	2 214	2 930	1 420		

WRZ CODE	2600SC0003	WRZ Name	Castlerea PWS	Study Area	F	Study Group		Local Authority	Roscommon

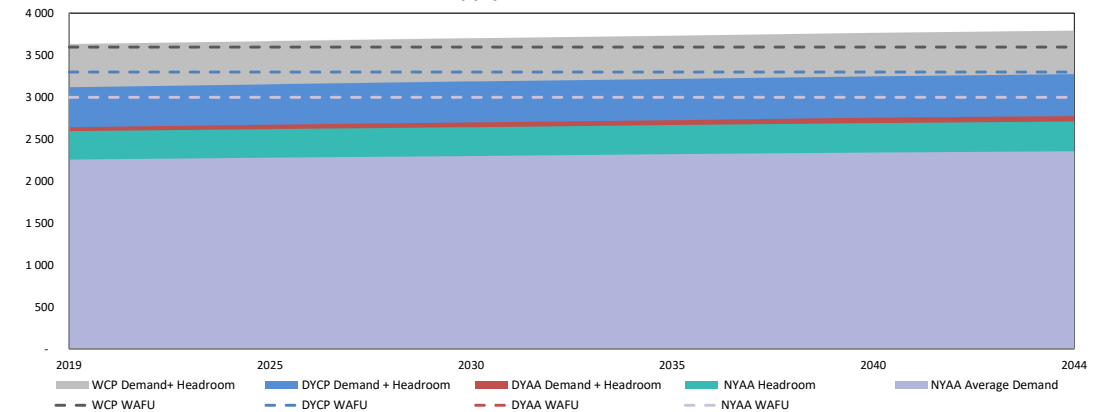
Base Demand in	2019
Domestic Demand (m³/day)	665
Non-Domestic Demand (m³/day)	666
Operational Use (m³/day)	25
Apparent Losses (m³/day)	13
Leakage (m³/day)	886
Demand (m³/day)	2 256

Components of Base Demand 2019



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	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

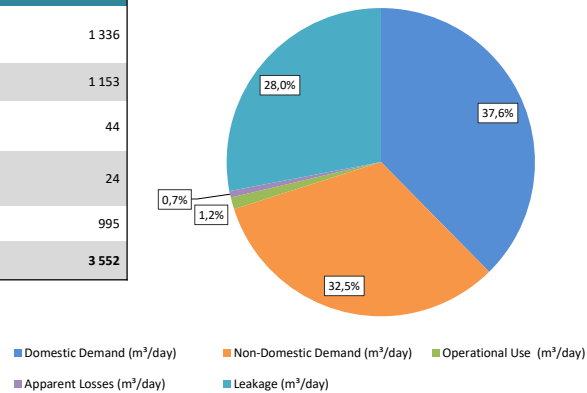
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000129	Longford Springs	3 600	3 000	3 300	No Licence	4 981	22Hr	3 300	-	3 300	

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)		
2019	3 000	3 000	3 300	3 300	406	357	182	-	32	
2025	3 000	3 000	3 300	3 600	381	328	147	-	67	
2030	3 000	3 000	3 300	3 600	357	301	115	-	100	
2035	3 000	3 000	3 300	3 600	333	273	83	-	133	
2040	3 000	3 000	3 300	3 600	310	246	51	-	166	
2044	3 000	3 000	3 300	3 600	291	226	25	-	193	

WRZ CODE	2600SC0004	WRZ Name	Roscommon Central Water	Study Area	F	Study Group		Local Authority	Roscommon

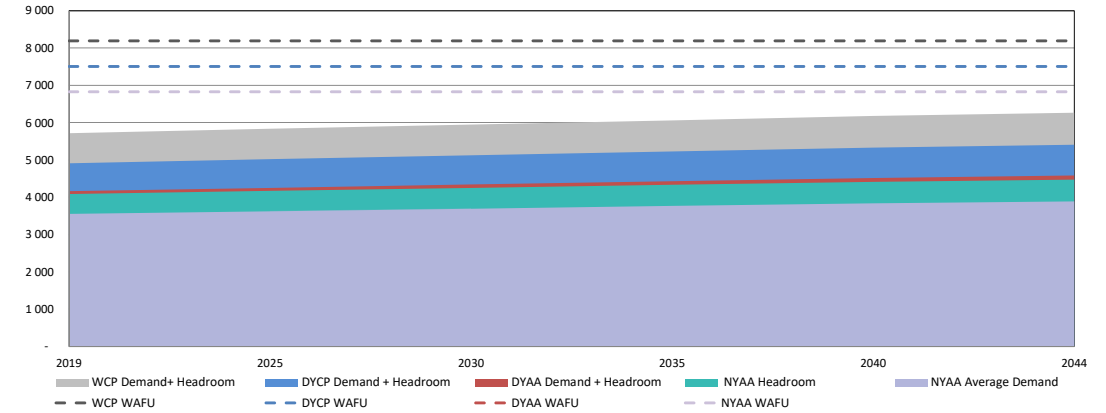
Base Demand in	2019
Domestic Demand (m³/day)	1 336
Non-Domestic Demand (m³/day)	1 153
Operational Use (m³/day)	44
Apparent Losses (m³/day)	24
Leakage (m³/day)	995
Demand (m³/day)	3 552

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



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



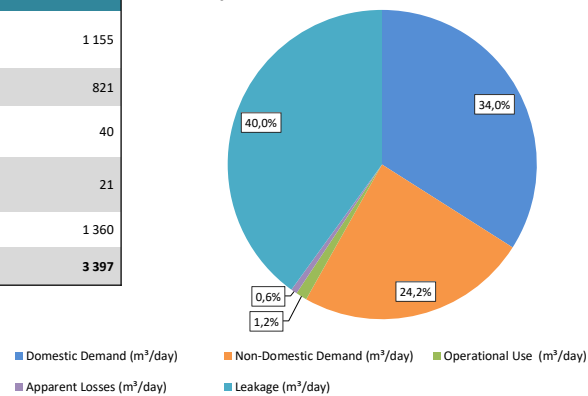
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	5 149	772	5 921	6 032	7 117	8 288
2025	5 217	783	5 999	6 120	7 221	8 399
2030	5 363	804	6 168	6 299	7 433	8 633
2035	5 445	817	6 261	6 402	7 554	8 766
2040	5 526	829	6 355	6 506	7 675	8 899
2044	5 591	839	6 430	6 583	7 772	9 000

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)	
2019		5 814		5 817		6 234		9 000	-	107	-	215	-	884	-	71
2025		5 788		5 795		6 211		9 000	-	212	-	326	-	1 010	-	60
2030		5 766		5 776		6 193		9 000	-	402	-	523	-	1 240	-	36
2035		5 759		5 771		6 187		9 000	-	502	-	632	-	1 367	-	23
2040		5 753		5 765		6 182		9 000	-	602	-	741	-	1 493	-	10
2044		5 748		5 761		6 178		9 000	-	681	-	821	-	1 594	-	

WRZ CODE	2600SC0008	WRZ Name	Boyle Regional	Study Area	F	Study Group		Local Authority	Roscommon

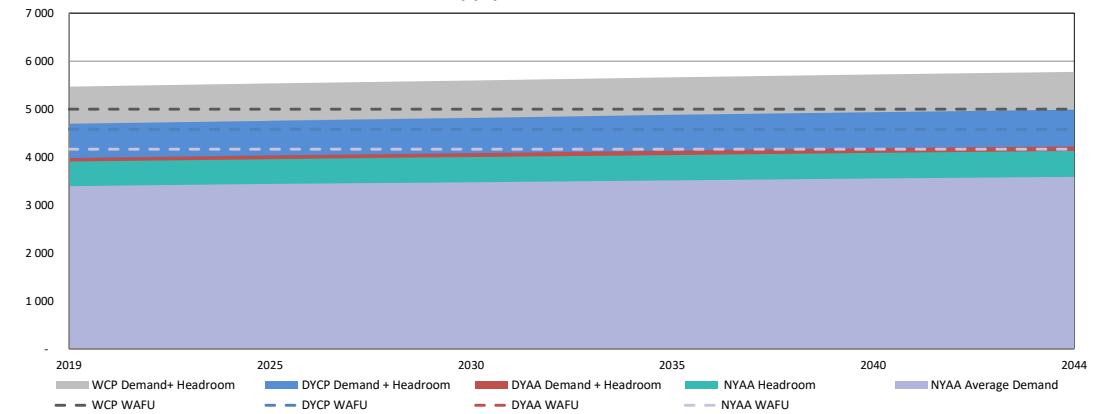
Base Demand in	2019
Domestic Demand (m³/day)	1 155
Non-Domestic Demand (m³/day)	821
Operational Use (m³/day)	40
Apparent Losses (m³/day)	21
Leakage (m³/day)	1 360
Demand (m³/day)	3 397

Components of Base Demand 2019



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	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

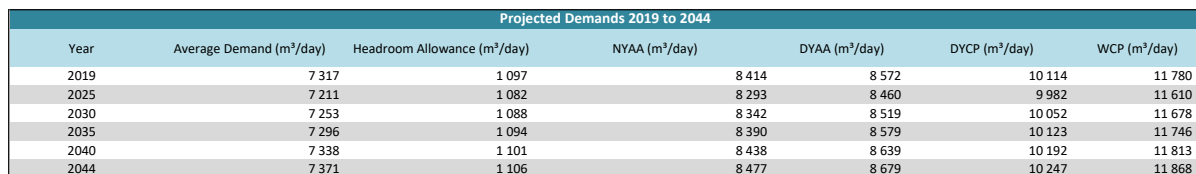
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000674	Rockingham WTP	5 000	4 167	4 583	No Licence	6 705	22Hr	4 583	-	4 583	
							</				

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)		
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

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

A pie chart illustrating the distribution of water losses. The chart is divided into four segments: a large light blue segment representing Leakage at 57,2%; an orange segment representing Non-Domestic Demand at 23,3%; a small green segment representing Operational Use at 0,6%; and a very small unlabeled segment at 0,3%.

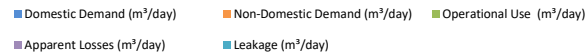
Category	Percentage
Leakage (m³/day)	57,2%
Non-Domestic Demand (m³/day)	23,3%
Operational Use (m³/day)	0,6%
Unlabeled	0,3%



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)		
2019	7 917	7 917	8 708	9 500 -	497 -	655 -	1 406 -	2 280		
2025	7 917	7 917	8 708	9 500 -	377 -	543 -	1 274 -	2 110		
2030	7 917	7 917	8 708	9 500 -	425 -	603 -	1 344 -	2 178		
2035	7 917	7 917	8 708	9 500 -	473 -	662 -	1 414 -	2 246		
2040	7 917	7 917	8 708	9 500 -	522 -	722 -	1 483 -	2 313		
2044	7 917	7 917	8 708	9 500 -	560 -	762 -	1 538 -	2 368		

WRZ CODE	2700SC0002	WRZ Name	Lough Easkey Regional Water	Study Area	C	Study Group		Local Authority	Sligo

Components of Base Demand 2019



Supply Demand Balance

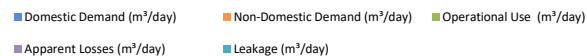


Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000133	Lough Easkey WTP	4 400	3 667	4 033	No Licence	8 869	22Hr	4 033	-	4 033	Demand > Safe Production Capacity
TOTAL		4 400	3 667	4 033	-	8 869		4 033	-	4 033	

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)	
2019	3 667	3 667	4 033	4 400	90	23 -	266 -	60	
2025	3 667	3 667	4 033	4 400	60 -	12 -	307 -	64	
2030	3 667	3 667	4 033	4 400	29 -	49 -	351 -	69	
2035	3 667	3 667	4 033	4 400 -	3 -	85 -	394 -	73	
2040	3 667	3 667	4 033	4 400 -	34 -	122 -	437 -	78	
2044	3 667	3 667	4 033	4 400 -	59 -	148 -	471 -	81	

WRZ CODE	2700SC0003	WRZ Name	North Sligo Regional Water Supply	Study Area	C	Study Group		Local Authority	Sligo

Components of Base Demand 2019



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	1 865	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

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)		
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 -	161		

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

Opinião	Porcentagem
Opinião 1 (Blue)	44,0%
Opinião 2 (Orange)	31,3%
Opinião 3 (Green)	23,1%
Opinião 4 (Red)	0,5%
Opinião 5 (Purple)	1,0%

 m^3/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	15 058	1 506	16 564	16 874	19 910	21 537
2025	15 209	1 521	16 730	17 067	20 138	21 744
2030	15 588	1 559	17 147	17 513	20 664	22 297
2035	15 967	1 597	17 564	17 960	21 192	22 833
2040	16 347	1 635	17 981	18 409	21 718	23 370
2044	16 650	1 665	18 315	18 751	22 138	23 800

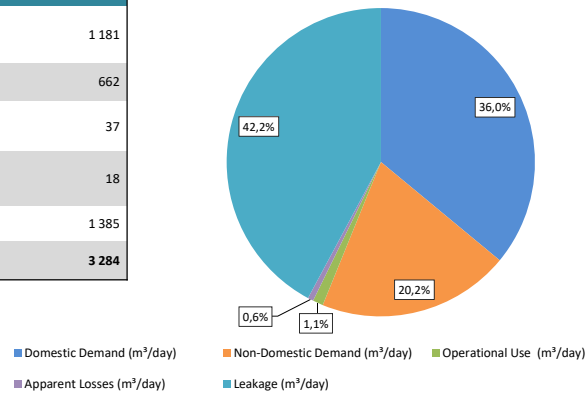
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0001133	Kilsallagh 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	13 203	12 221	13 266	20 540 -	3 360 -	4 653 -	6 644 -	99	
2025	13 159	12 197	13 242	20 540 -	3 571 -	4 870 -	6 896 -	1 20	
2030	13 123	12 177	13 222	20 540 -	4 025 -	5 336 -	7 442 -	1 75	
2035	13 112	12 171	13 216	20 540 -	4 453 -	5 789 -	7 976 -	2 29	
2040	13 101	12 166	13 211	20 540 -	4 880 -	6 244 -	8 507 -	2 83	
2044	13 093	12 161	13 206	20 540 -	5 221 -	6 590 -	8 932 -	3 26	

WRZ CODE	2900SC0002	WRZ Name	Roscrea	Study Area	7	Study Group	Local Authority	Tipperary

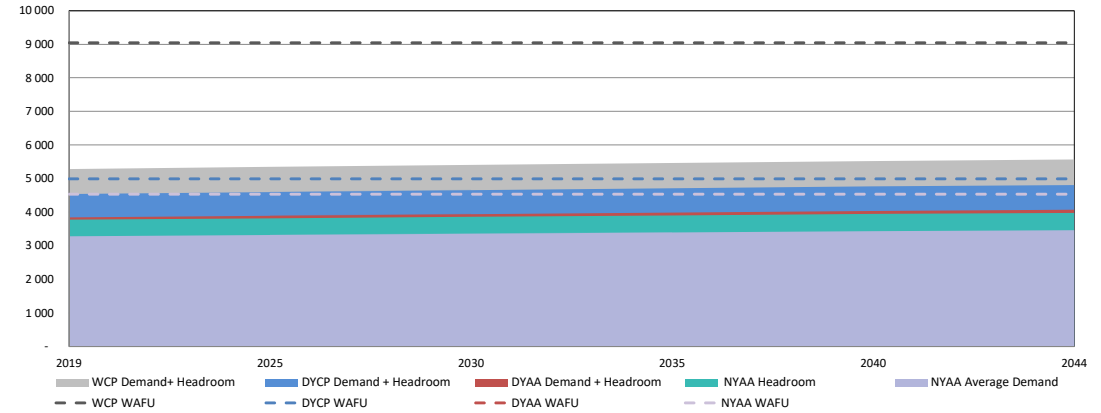
Base Demand in	2019
Domestic Demand (m³/day)	1 181
Non-Domestic Demand (m³/day)	662
Operational Use (m³/day)	37
Apparent Losses (m³/day)	18
Leakage (m³/day)	1 385
Demand (m³/day)	3 284

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

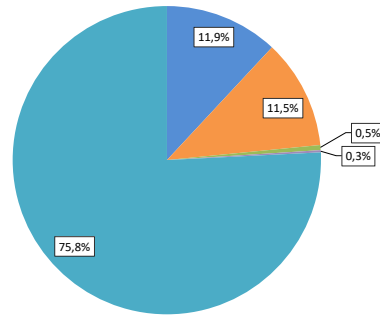
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000475	Glenbehagh 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	2900SC0004	WRZ Name	Hollyford	Study Area	K	Study Group	Local Authority	Tipperary

Base Demand in	2019
Domestic Demand (m³/day)	28
Non-Domestic Demand (m³/day)	27
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	179
Demand (m³/day)	236

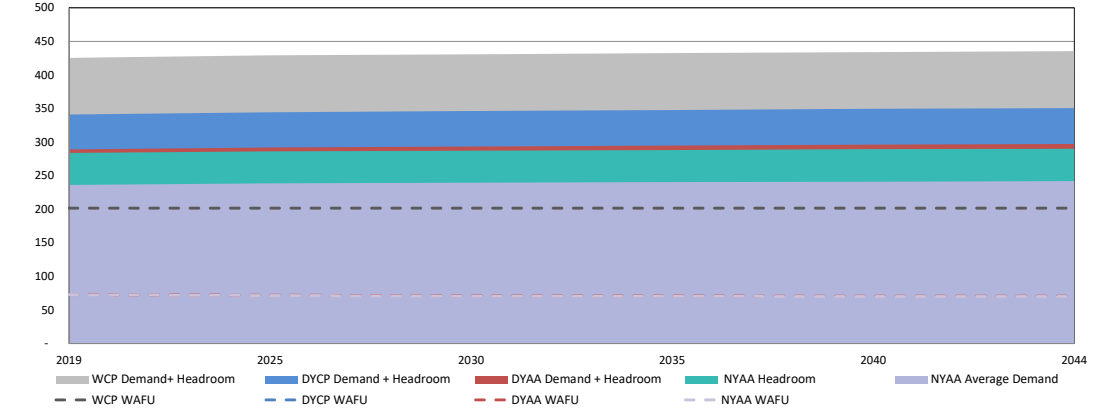
Components of Base Demand 2019



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

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	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

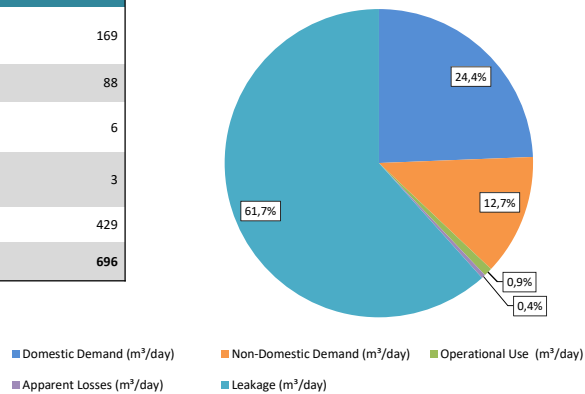
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	73	73	73	202 -	211 -	216 -	268 -	224		
2025	72	72	72	202 -	214 -	220 -	272 -	227		
2030	71	71	71	202 -	216 -	222 -	275 -	229		
2035	71	71	71	202 -	218 -	224 -	277 -	231		
2040	70	71	71	202 -	219 -	225 -	279 -	232		
2044	70	71	71	202 -	220 -	226 -	280 -	233		

WRZ CODE	2900SC0005	WRZ Name	Kilcommon/Rearcross	Study Area	8	Study Group		Local Authority	Tipperary

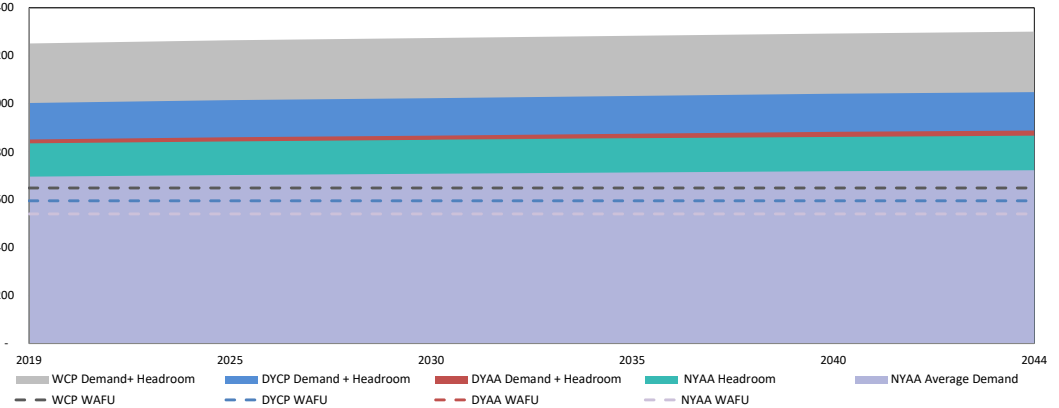
Base Demand in	2019
Domestic Demand (m³/day)	169
Non-Domestic Demand (m³/day)	88
Operational Use (m³/day)	6
Apparent Losses (m³/day)	3
Leakage (m³/day)	429
Demand (m³/day)	696

Components of Base Demand 2019



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	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

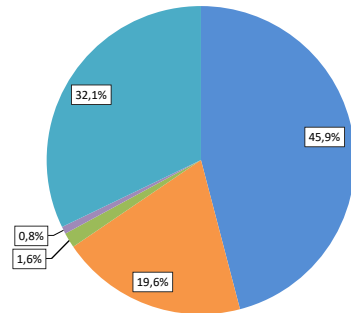
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)		NYAA (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/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	2900SC0013	WRZ Name	Horse & Jockey PWS	Study Area	K	Study Group	Local Authority	Tipperary

Base Demand in	2019
Domestic Demand (m³/day)	75
Non-Domestic Demand (m³/day)	32
Operational Use (m³/day)	3
Apparent Losses (m³/day)	1
Leakage (m³/day)	52
Demand (m³/day)	163

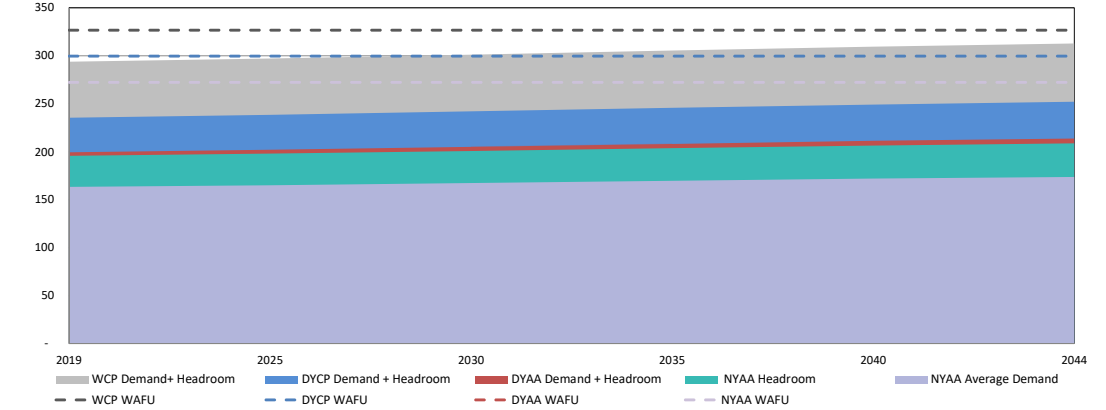
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

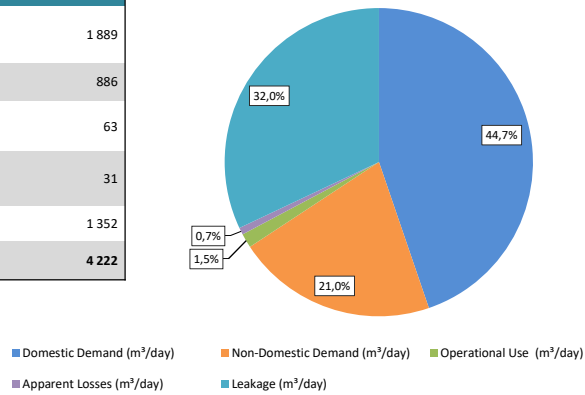
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000467	Curragheen WTP	327	273	300	No Licence	313	22Hr	300	-	300	
TOTAL		327	273	300	-	313		300	-	300	

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)
2019	273	273	300	327	77	73	64	33
2025	273	273	300	327	74	70	61	30
2030	273	273	300	327	72	67	58	26
2035	273	273	300	327	69	64	54	22
2040	273	273	300	327	66	61	50	17
2044	273	273	300	327	64	59	48	14

WRZ CODE	2900SC0014	WRZ Name	Thurles / Borrisoleigh	Study Area	K	Study Group	Local Authority	Tipperary

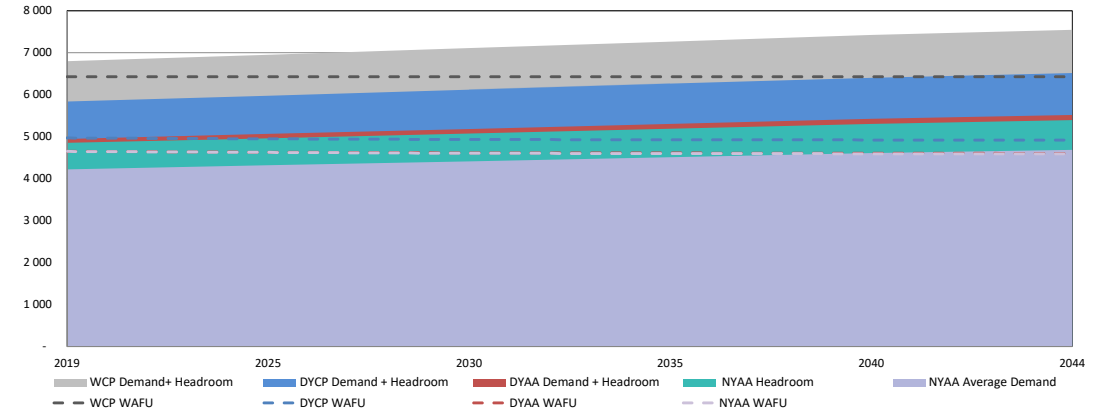
Base Demand in	2019
Domestic Demand (m³/day)	1 889
Non-Domestic Demand (m³/day)	886
Operational Use (m³/day)	63
Apparent Losses (m³/day)	31
Leakage (m³/day)	1 352
Demand (m³/day)	4 222

Components of Base Demand 2019



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	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

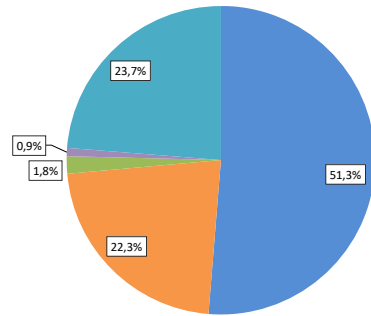
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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	Tobermaloo 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	4 653	4 656	4 973	6 432 -	201 -	290 -	862 -	36	
2025	4 630	4 636	4 953	6 432 -	336 -	430 -	1 024 -	52	
2030	4 610	4 619	4 937	6 432 -	468 -	567 -	1 183 -	67	
2035	4 604	4 614	4 932	6 432 -	587 -	693 -	1 331 -	83	
2040	4 599	4 610	4 927	6 432 -	705 -	820 -	1 478 -	99	
2044	4 594	4 606	4 923	6 432 -	799 -	916 -	1 596 -	1 11	

WRZ CODE	2900SC0016	WRZ Name	Littleton PWS	Study Area	K	Study Group	Local Authority	Tipperary

Base Demand in	2019
Domestic Demand (m³/day)	68
Non-Domestic Demand (m³/day)	29
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	31
Demand (m³/day)	132

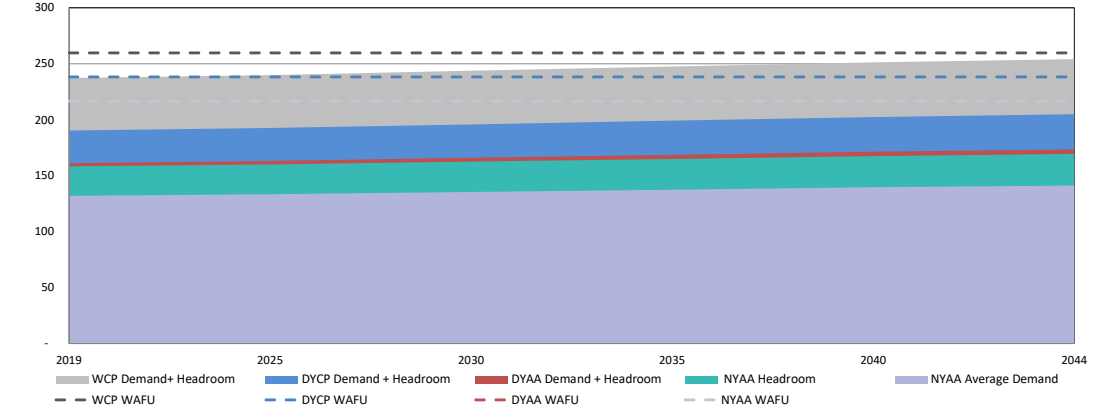
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

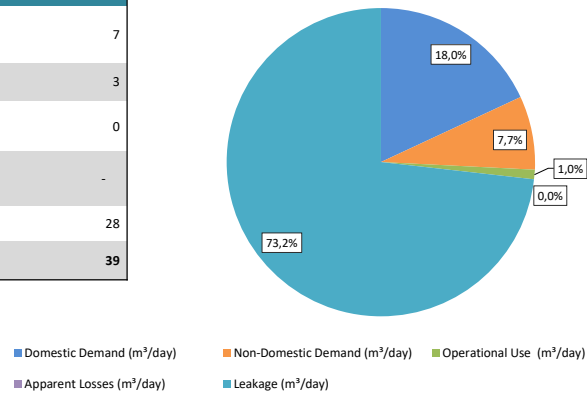
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

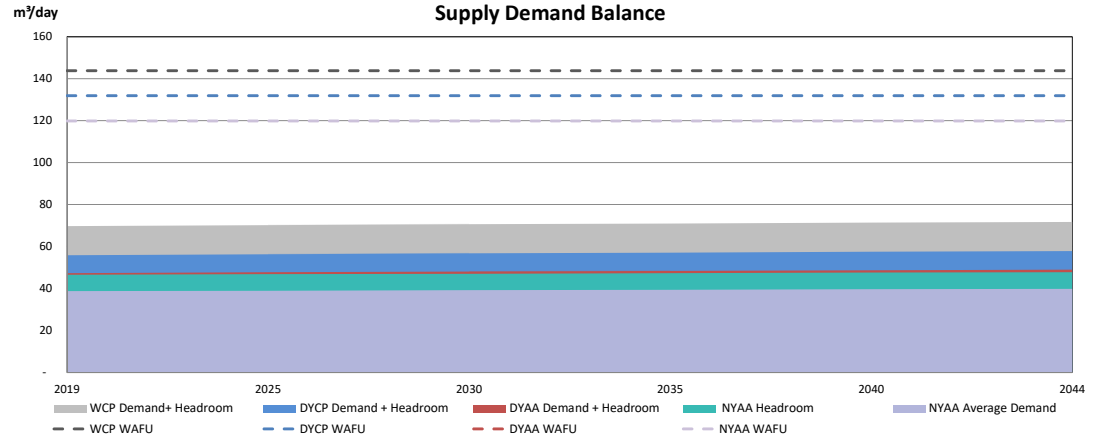
WRZ CODE	2900SC0020	WRZ Name	Ahenny	Study Area	K	Study Group	Local Authority	Tipperary

Base Demand in	2019
Domestic Demand (m³/day)	7
Non-Domestic Demand (m³/day)	3
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	28
Demand (m³/day)	39

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	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

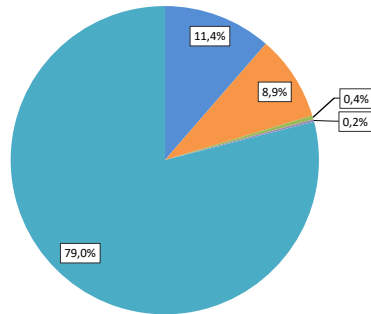
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	2900SC0022	WRZ Name	Ballinvir	Study Area	K	Study Group	Local Authority	Tipperary

Base Demand in	2019
Domestic Demand (m³/day)	3
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	22
Demand (m³/day)	28

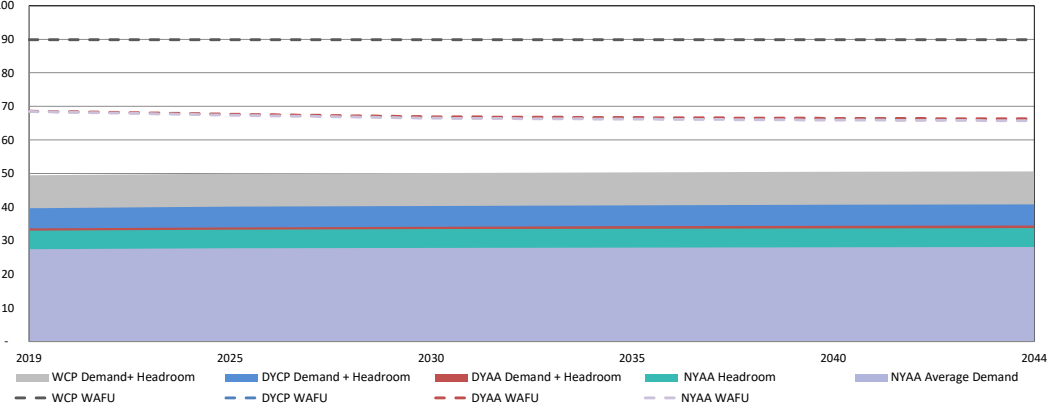
Components of Base Demand 2019



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

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	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

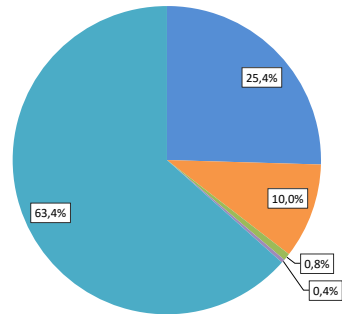
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	677
Non-Domestic Demand (m³/day)	266
Operational Use (m³/day)	20
Apparent Losses (m³/day)	10
Leakage (m³/day)	1 688
Demand (m³/day)	2 661

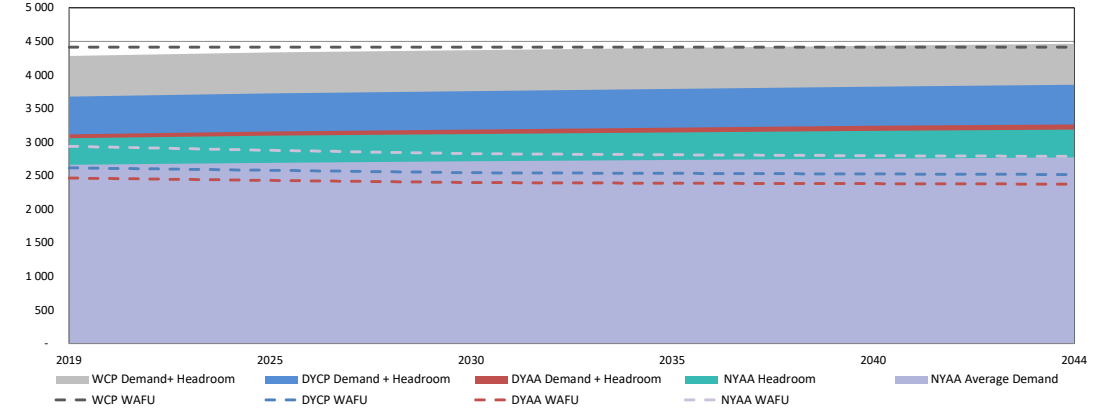
Components of Base Demand 2019



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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

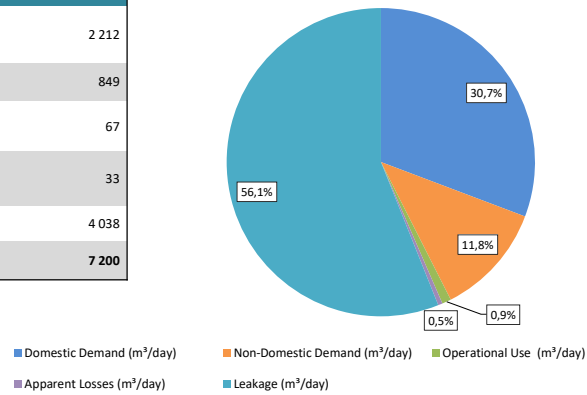
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	2900SC0025	WRZ Name	Clonmel	Study Area	K	Study Group	Local Authority	Tipperary

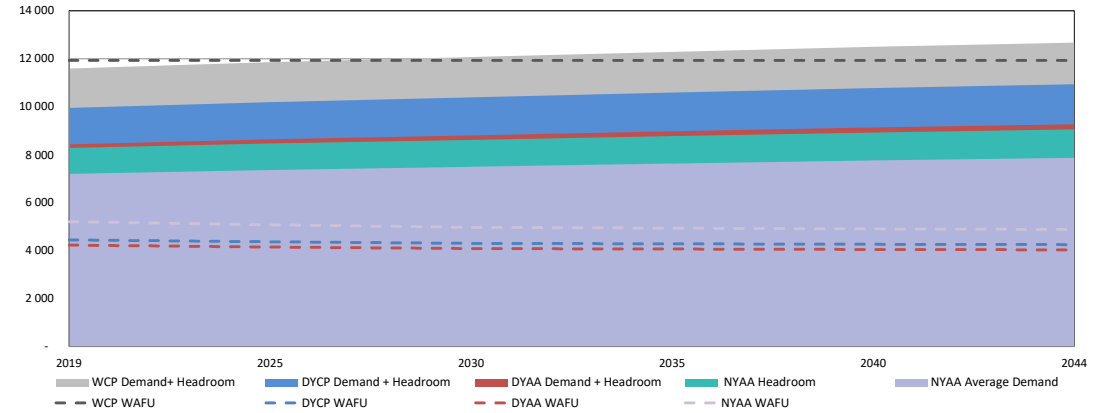
Base Demand in	2019
Domestic Demand (m³/day)	2 212
Non-Domestic Demand (m³/day)	849
Operational Use (m³/day)	67
Apparent Losses (m³/day)	33
Leakage (m³/day)	4 038
Demand (m³/day)	7 200

Components of Base Demand 2019



m³/day

Supply Demand Balance

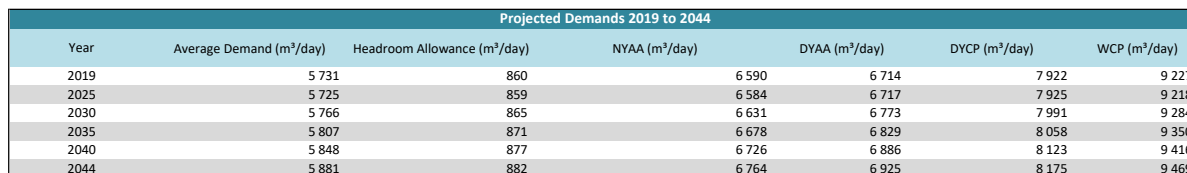
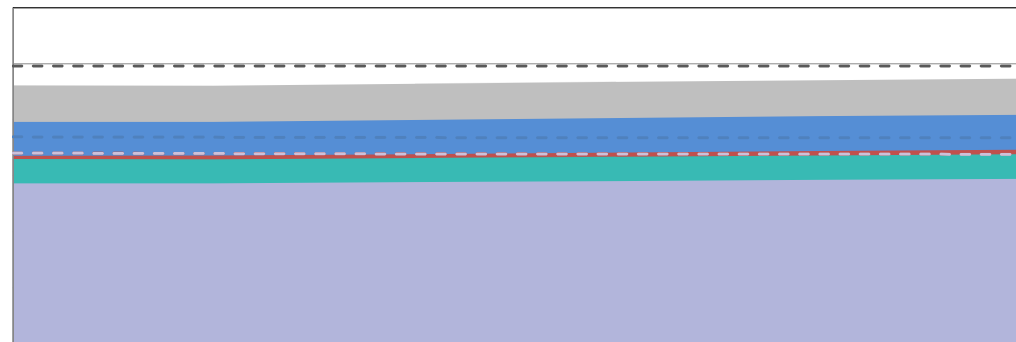
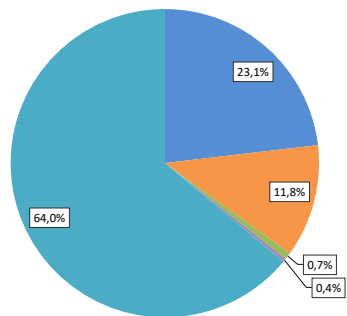


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	7 200	1 080	8 280	8 435	9 953	11 592
2025	7 364	1 105	8 468	8 639	10 193	11 856
2030	7 497	1 125	8 622	8 806	10 390	12 071
2035	7 631	1 145	8 776	8 974	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 (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
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	

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)	
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	

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



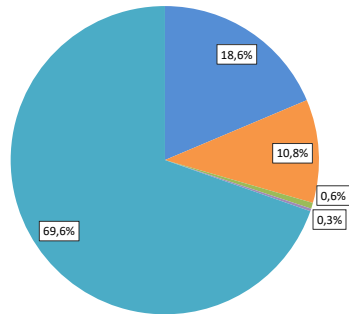
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000418	Duala WTP	428	357	392	No Licence	410	22Hr	392	-	392	Issue Capacity / Yield (Unknown)
WTP0000254	Mullinbawn WTP	3 000	2 500	2 750	No Licence	1 088	Yield	1 006	-	1 006	
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 (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)		NYAA (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)	
2019		6 813		6 815		7 392		9 928		223		101	-	530		70
2025		6 796		6 801		7 378		9 928		212		84	-	547		71
2030		6 783		6 789		7 366		9 928		151		16	-	625		64
2035		6 778		6 786		7 363		9 928		100	-	44	-	695		57
2040		6 775		6 782		7 360		9 928		49	-	104	-	764		51
2044		6 772		6 780		7 357		9 928		8	-	145	-	818		45

WRZ CODE	2900SC0029	WRZ Name	South West Tipperary	Study Area	K	Study Group		Local Authority	Tipperary

Base Demand in	2019
Domestic Demand (m³/day)	1 141
Non-Domestic Demand (m³/day)	663
Operational Use (m³/day)	37
Apparent Losses (m³/day)	18
Leakage (m³/day)	4 260
Demand (m³/day)	6 120

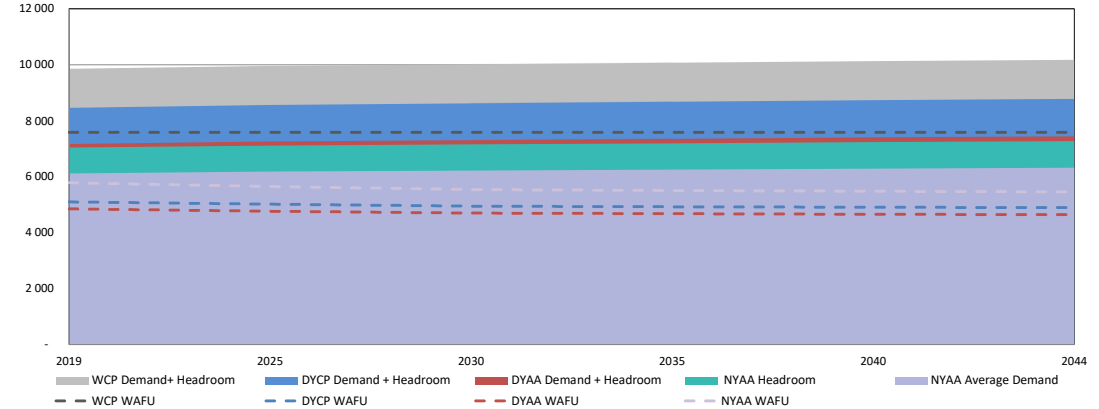
Components of Base Demand 2019



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

m³/day

Supply Demand Balance



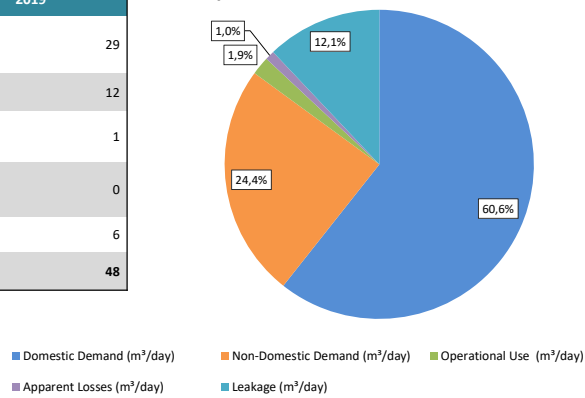
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	6 120	918	7 037	7 169	8 459	9 852
2025	6 185	928	7 113	7 256	8 562	9 958
2030	6 220	933	7 153	7 306	8 621	10 015
2035	6 256	938	7 194	7 356	8 680	10 072
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 (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
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	

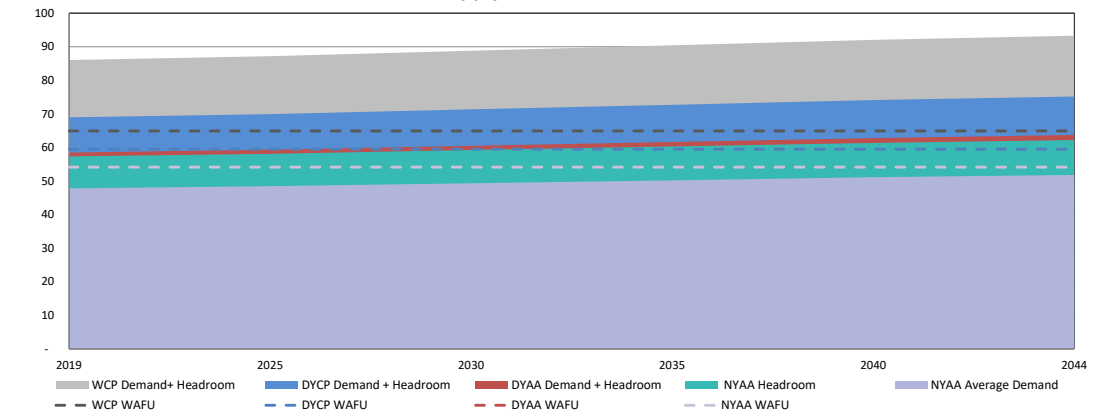
WRZ CODE	2900SC0036	WRZ Name	Kilcash	Study Area	K	Study Group		Local Authority	Tipperary

Base Demand in	2019
Domestic Demand (m³/day)	29
Non-Domestic Demand (m³/day)	12
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	6
Demand (m³/day)	48

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	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

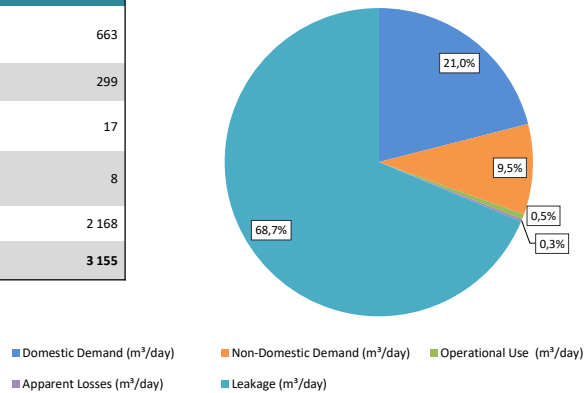
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0001042	Kilcash WTP	65	54	60	No Licence	62	22Hr	60	-	60	

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)		
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		

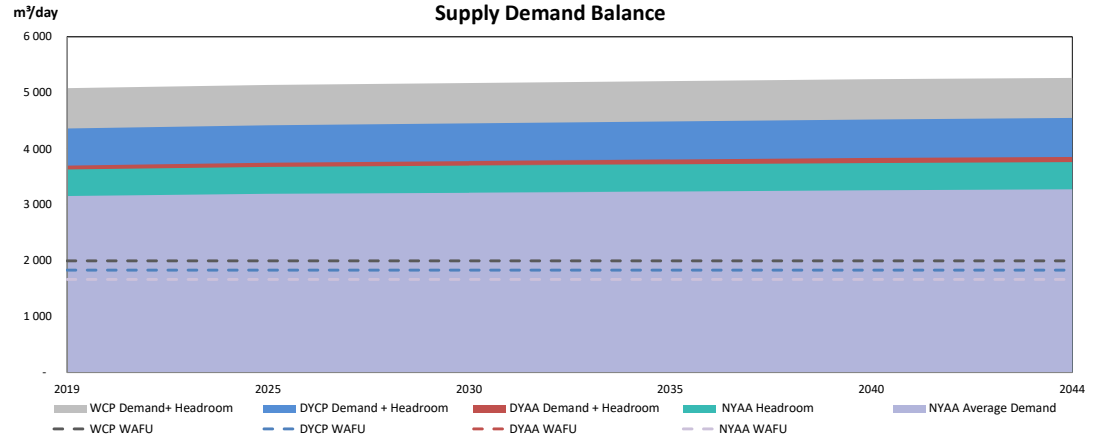
WRZ CODE	2900SC0039	WRZ Name	Templetney/Brackford Bridge	Study Area	K	Study Group	Local Authority	Tipperary

Base Demand in	2019
Domestic Demand (m³/day)	663
Non-Domestic Demand (m³/day)	299
Operational Use (m³/day)	17
Apparent Losses (m³/day)	8
Leakage (m³/day)	2 168
Demand (m³/day)	3 155

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	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

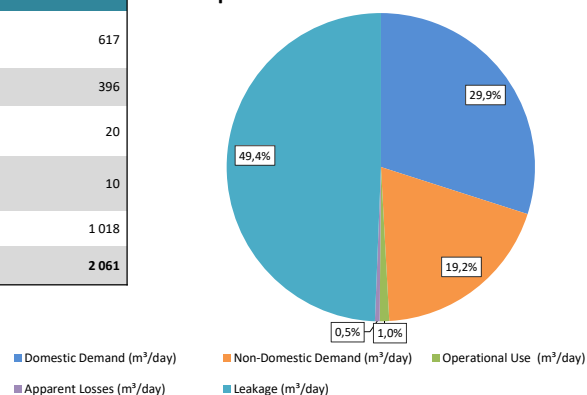
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	-	3 144
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 / Templetuohy	Study Area	K	Study Group	Local Authority	Tipperary

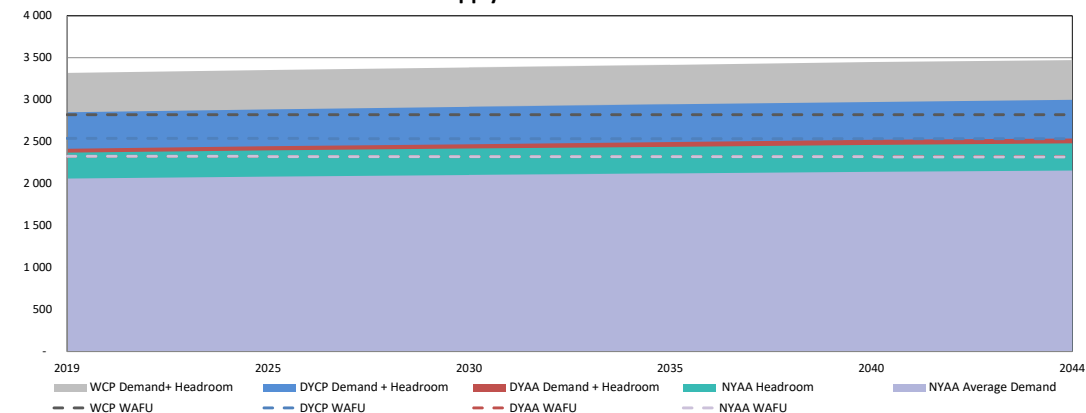
Base Demand in	2019
Domestic Demand (m ³ /day)	617
Non-Domestic Demand (m ³ /day)	396
Operational Use (m ³ /day)	20
Apparent Losses (m ³ /day)	10
Leakage (m ³ /day)	1 018
Demand (m³/day)	2 061

Components of Base Demand 2019



m³/day

Supply Demand Balance



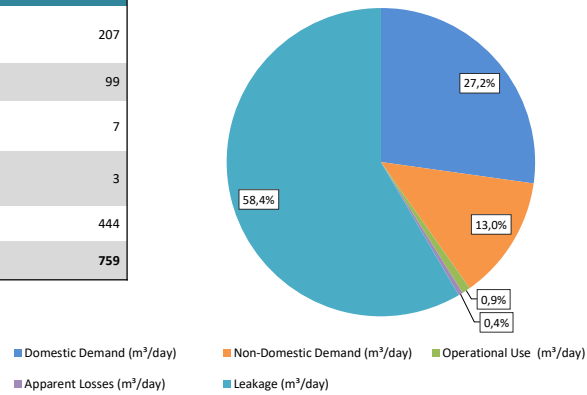
Projected Demands 2019 to 2044						
Year	Average Demand (m ³ /day)	Headroom Allowance (m ³ /day)	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (m ³ /day)	WCP (m ³ /day)
2019	2 061	309	2 371	2 415	2 850	3 319
2025	2 084	313	2 397	2 445	2 885	3 355
2030	2 103	315	2 419	2 470	2 915	3 386
2035	2 122	318	2 441	2 496	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 (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
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	

WRZ CODE	2900SC0043	WRZ Name	Lorrha	Study Area	7	Study Group		Local Authority	Tipperary

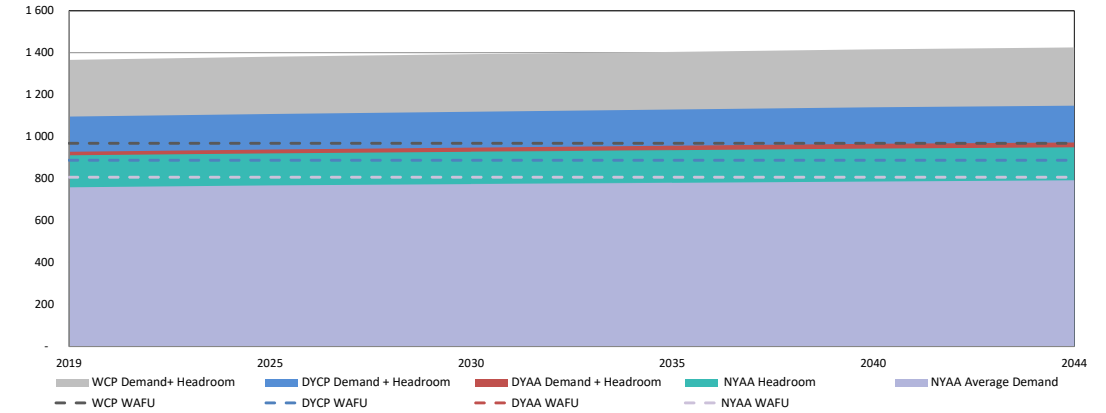
Base Demand in	2019
Domestic Demand (m³/day)	207
Non-Domestic Demand (m³/day)	99
Operational Use (m³/day)	7
Apparent Losses (m³/day)	3
Leakage (m³/day)	444
Demand (m³/day)	759

Components of Base Demand 2019



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	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

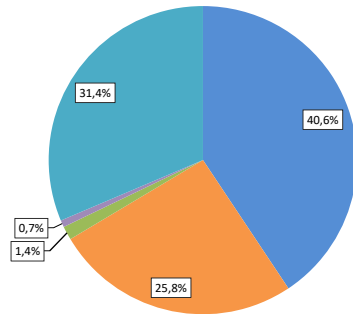
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	808	808	889	970	103	120	206	397		
2025	808	808	889	970	113	131	220	412		
2030	808	808	889	970	120	140	230	423		
2035	808	808	889	970	128	149	241	435		
2040	808	808	889	970	136	158	251	446		
2044	808	808	889	970	142	165	260	455		

WRZ CODE	2900SC0045	WRZ Name	Greyford source to Crotta	Study Area	7	Study Group		Local Authority	Tipperary

Base Demand in	2019
Domestic Demand (m³/day)	280
Non-Domestic Demand (m³/day)	178
Operational Use (m³/day)	10
Apparent Losses (m³/day)	5
Leakage (m³/day)	216
Demand (m³/day)	688

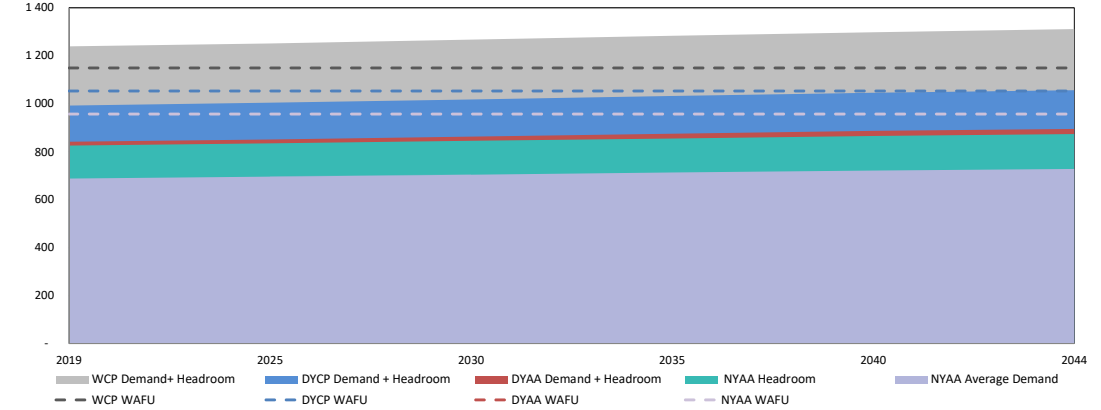
Components of Base Demand 2019



■ 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

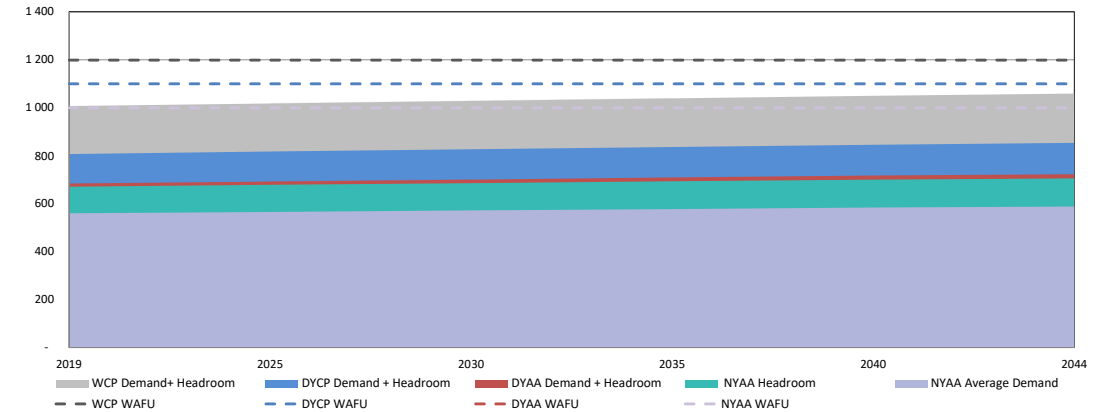
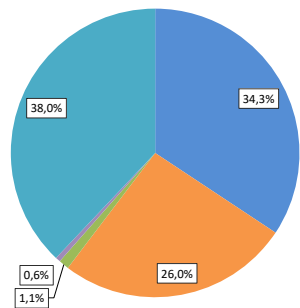


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	688	138	826	841	993	1 239
2025	696	139	835	851	1 005	1 252
2030	704	141	845	863	1 018	1 268
2035	713	143	855	875	1 032	1 283
2040	722	144	866	886	1 046	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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



Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) <i>WCP</i>	20Hr. Capacity (m³/day) <i>NYAA & DYAA</i>	22Hr. Capacity (m³/day) <i>DYCP</i>	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) <i>DYCP</i>	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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	1 000	1 000	1 100	1 200	329	316	293	19	
2025	1 000	1 000	1 100	1 200	321	307	283	18	
2030	1 000	1 000	1 100	1 200	314	299	273	17	
2035	1 000	1 000	1 100	1 200	307	291	264	16	
2040	1 000	1 000	1 100	1 200	300	283	254	15	
2044	1 000	1 000	1 100	1 200	294	277	247	14	

WRZ CODE	2900SC0049	WRZ Name	Tipperary Town Supply	Study Area	K	Study Group		Local Authority	Tipperary

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

2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom DYCP Demand + Headroom DYAA Demand + Headroom NYAA Headroom NYAA Average Demand

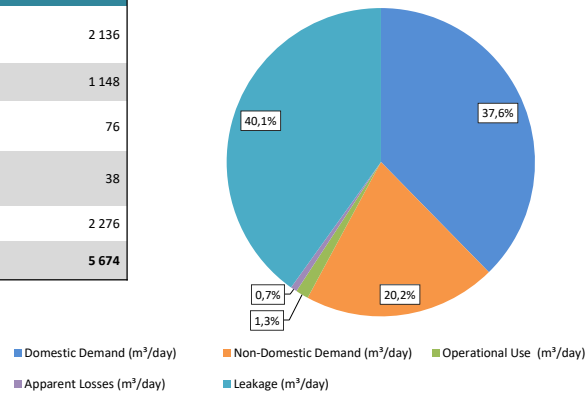
WCP WAFU DYCP WAFU DYAA WAFU NYAA WAFU

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
WTP0000762	Tipperary Town	868	723	796	No Licence	821	22Hr	796	-	796	
TOTAL		868	723	796	-	821		796	-	796	

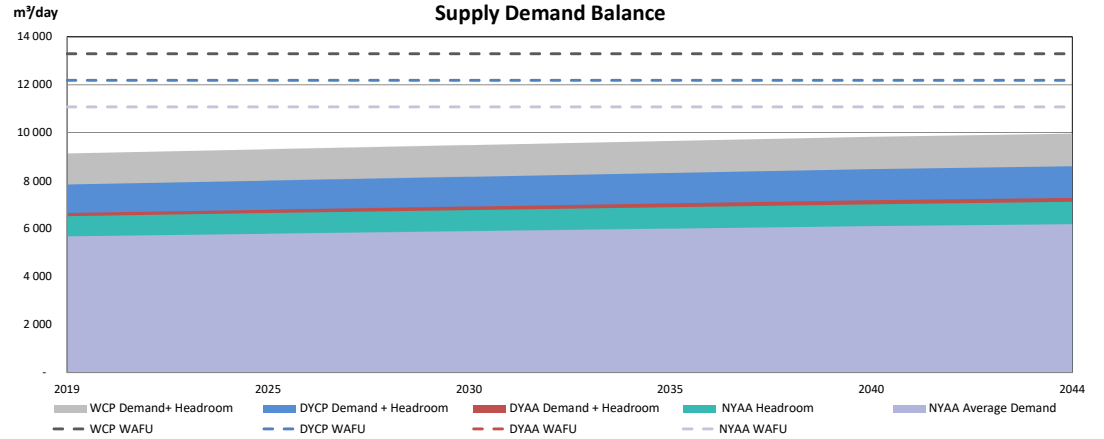
WRZ CODE	2900SC0050	WRZ Name	Nenagh	Study Area	7	Study Group		Local Authority	Tipperary

Base Demand in	2019
Domestic Demand (m³/day)	2 136
Non-Domestic Demand (m³/day)	1 148
Operational Use (m³/day)	76
Apparent Losses (m³/day)	38
Leakage (m³/day)	2 276
Demand (m³/day)	5 674

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	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

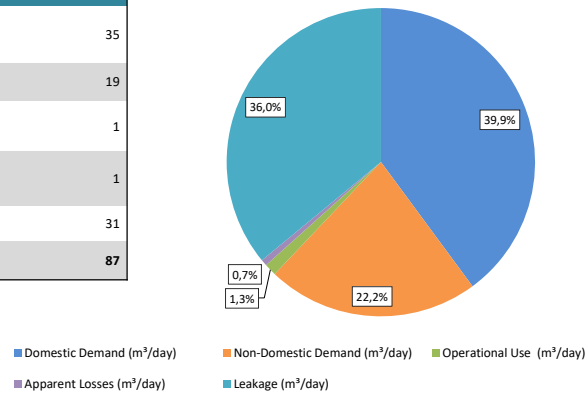
Water Available for Use in 2044 DYCP												
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018	
WTP0000614	Coolbawn WTP	14 000	11 667	12 833	No Licence	2 706 968	22Hr	12 833	-	642	12 192	Issue Capacity / Yield (Unknown)

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)	
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

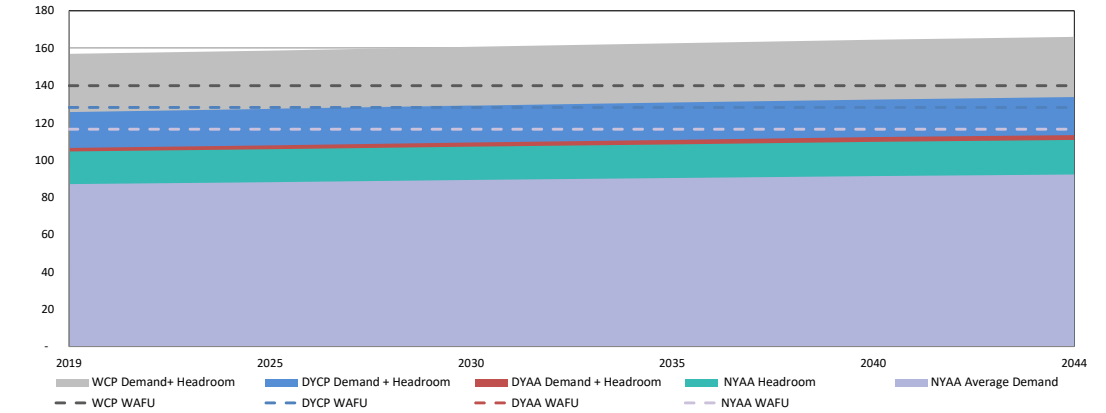
Base Demand in	2019
Domestic Demand (m³/day)	35
Non-Domestic Demand (m³/day)	19
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	31
Demand (m³/day)	87

Components of Base Demand 2019



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	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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

2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom DYCP Demand + Headroom DYAA Demand + Headroom NYAA Headroom NYAA Average Demand

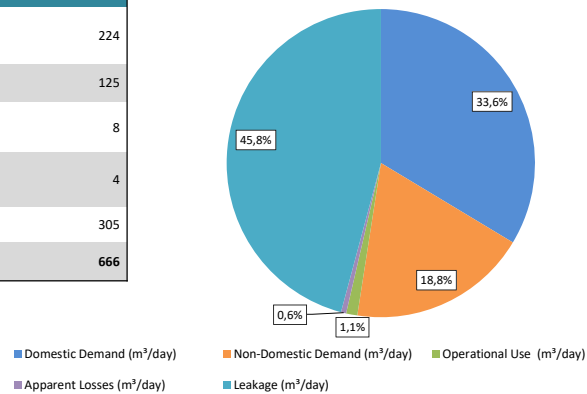
WCP WAFU DYCP WAFU DYAA WAFU NYAA WAFU

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
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	

WRZ CODE	2900SC0067	WRZ Name	Coalbrook / Commons	Study Area	K	Study Group	Local Authority	Tipperary

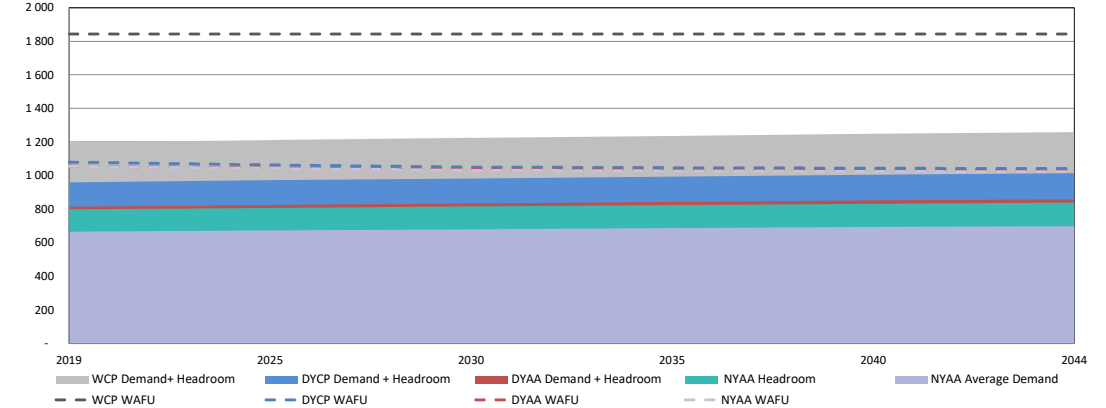
Base Demand in	2019
Domestic Demand (m³/day)	224
Non-Domestic Demand (m³/day)	125
Operational Use (m³/day)	8
Apparent Losses (m³/day)	4
Leakage (m³/day)	305
Demand (m³/day)	666

Components of Base Demand 2019



m³/day

Supply Demand Balance



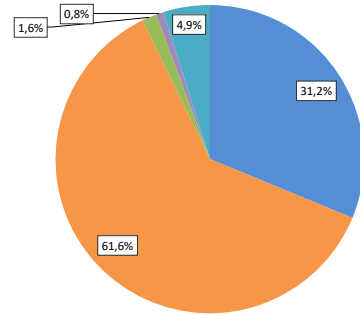
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	666	133	799	814	961	1 199
2025	673	135	808	824	972	1 212
2030	680	136	816	834	984	1 224
2035	687	137	825	843	995	1 237
2040	694	139	833	853	1 006	1 249
2044	700	140	840	860	1 015	1 259

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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)

WRZ CODE	2900SC0068	WRZ Name	Upperchurch	Study Area	8	Study Group		Local Authority	Tipperary

Base Demand in	2019
Domestic Demand (m³/day)	12
Non-Domestic Demand (m³/day)	23
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	2
Demand (m³/day)	38

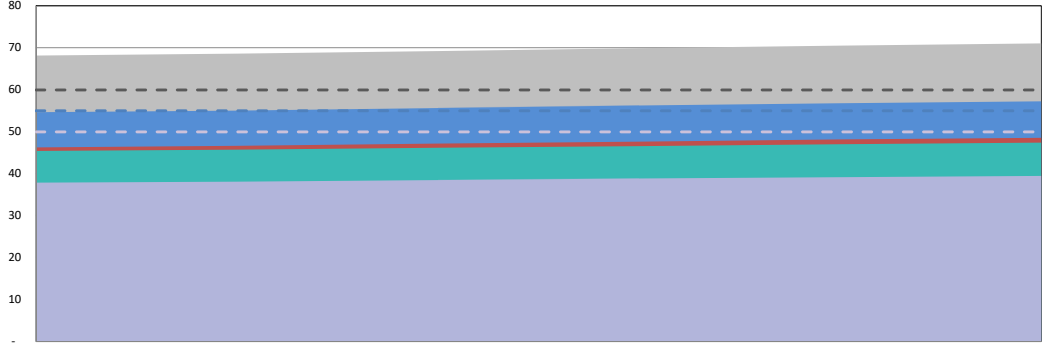
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

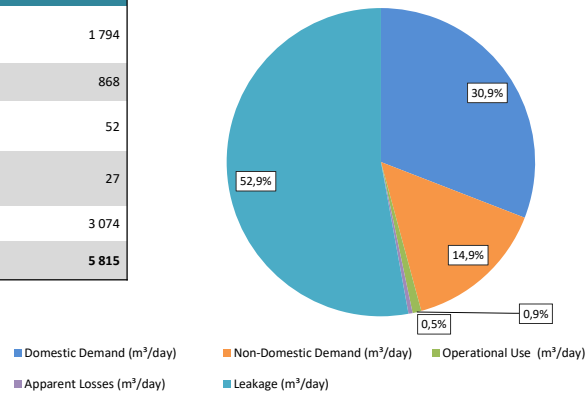
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

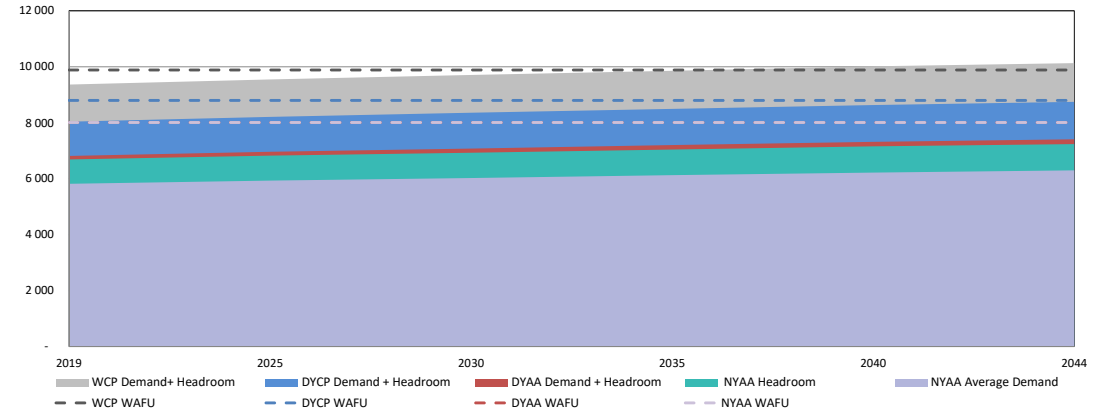
Base Demand in	2019
Domestic Demand (m ³ /day)	1 794
Non-Domestic Demand (m ³ /day)	868
Operational Use (m ³ /day)	52
Apparent Losses (m ³ /day)	27
Leakage (m ³ /day)	3 074
Demand (m³/day)	5 815

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m 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

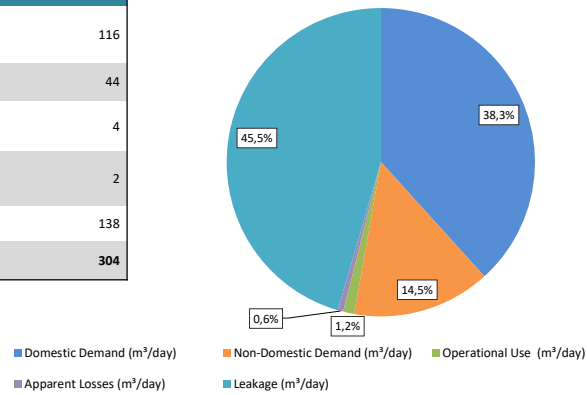
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	8 015	8 015	8 806	9 893	1 327	1 202	768	53	
2025	8 013	8 013	8 805	9 893	1 189	1 052	591	34	
2030	8 012	8 012	8 804	9 893	1 079	932	449	18	
2035	8 011	8 012	8 804	9 893	969	811	307	3	
2040	8 011	8 012	8 803	9 893	860	690	166	11	
2044	8 011	8 011	8 803	9 893	772	601	53	24	

WRZ CODE	3100SC0005	WRZ Name	Ardmore	Study Area	K	Study Group	Local Authority	Waterford

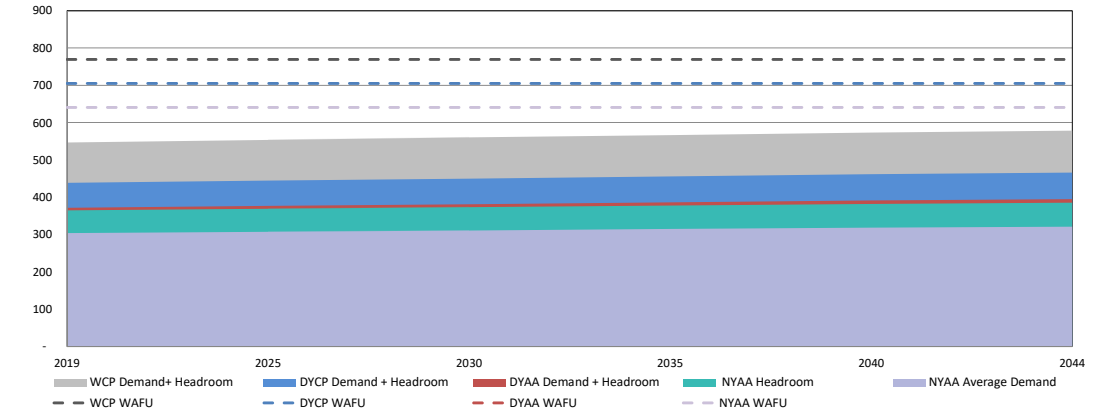
Base Demand in	2019
Domestic Demand (m³/day)	116
Non-Domestic Demand (m³/day)	44
Operational Use (m³/day)	4
Apparent Losses (m³/day)	2
Leakage (m³/day)	138
Demand (m³/day)	304

Components of Base Demand 2019



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	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

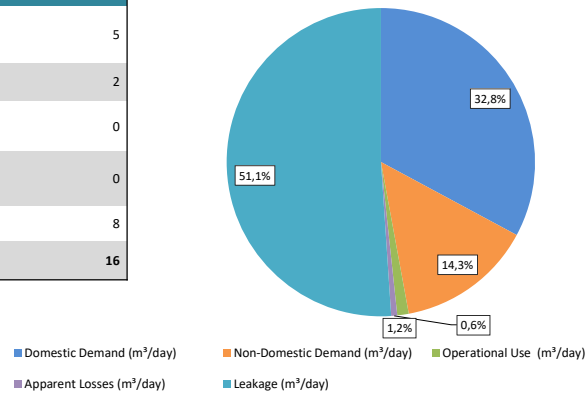
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	3100SC0010	WRZ Name	Strancally	Study Area	J	Study Group	Local Authority	Waterford

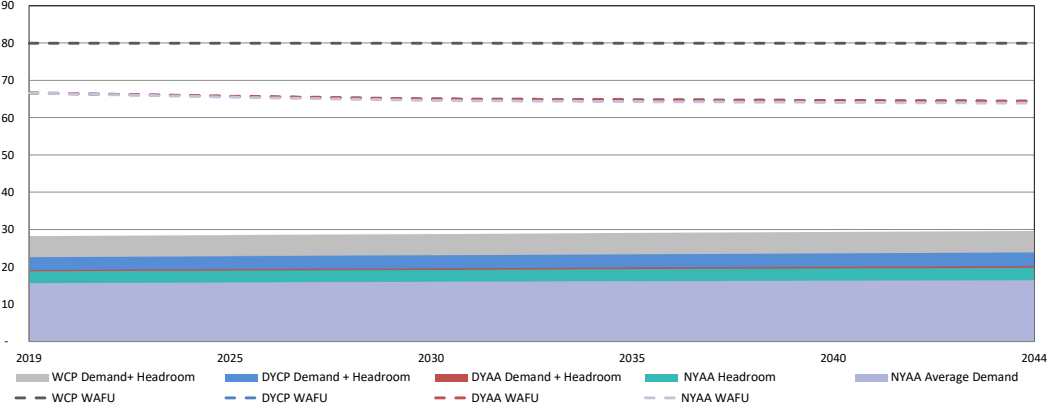
Base Demand in	2019
Domestic Demand (m³/day)	5
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	8
Demand (m³/day)	16

Components of Base Demand 2019



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	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

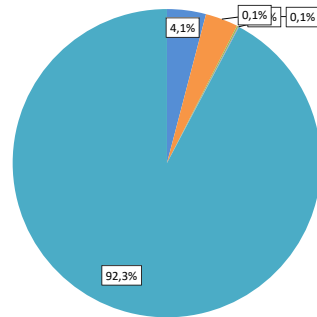
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	3
Non-Domestic Demand (m³/day)	3
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	74
Demand (m³/day)	80

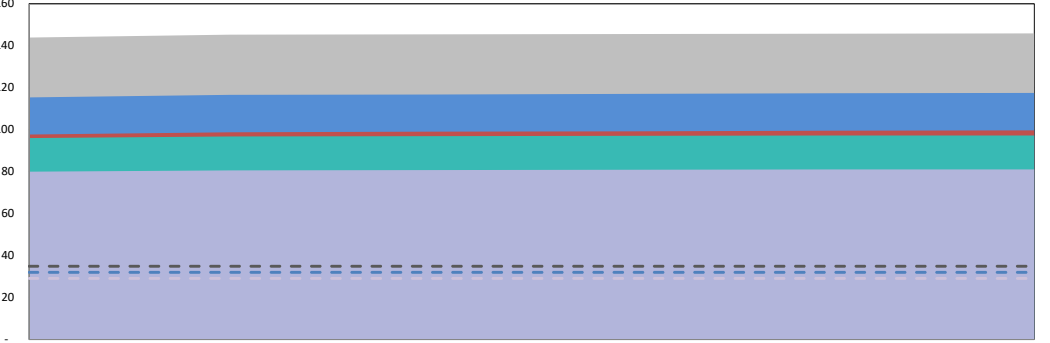
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

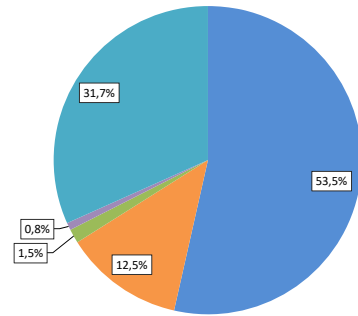
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	29	29	32	35	-	67	-	109		
2025	29	29	32	35	-	68	-	110		
2030	29	29	32	35	-	68	-	110		
2035	29	29	32	35	-	68	-	111		
2040	29	29	32	35	-	68	-	111		
2044	29	29	32	35	-	68	-	111		

WRZ CODE	3100SC0016	WRZ Name	Villierstown	Study Area	J	Study Group	Local Authority	Waterford

Base Demand in	2019
Domestic Demand (m³/day)	42
Non-Domestic Demand (m³/day)	10
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	25
Demand (m³/day)	79

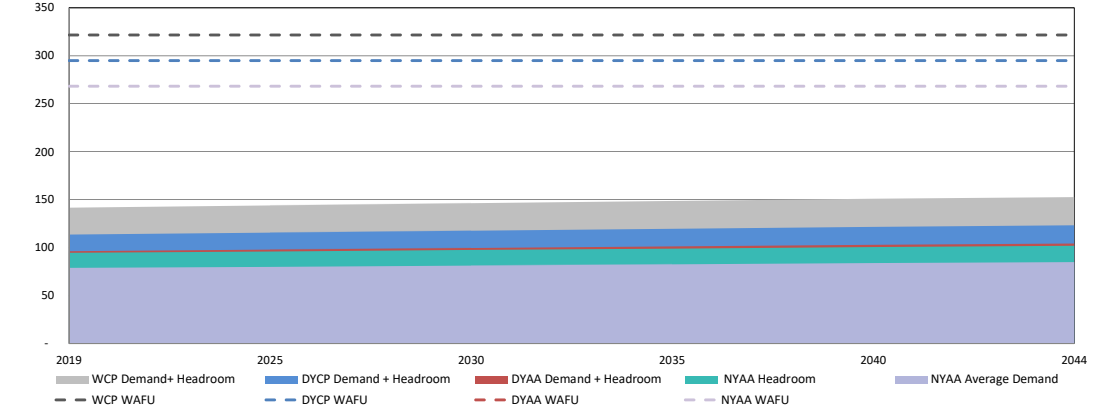
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

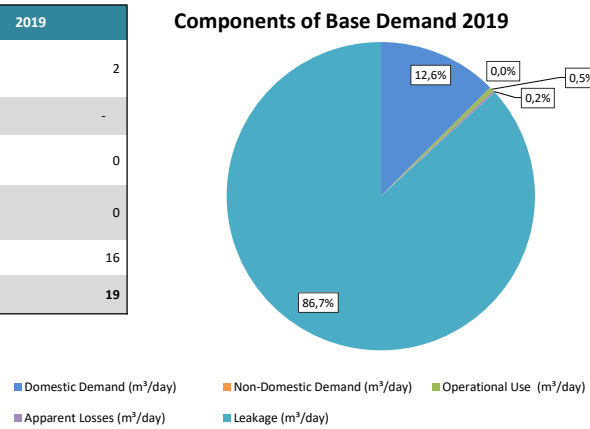
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP1000057	Villierstown WTP	322	268	295	No Licence	299	22Hr	295	-	295	
TOTAL		322	268	295	-	299		295	-	295	

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)
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

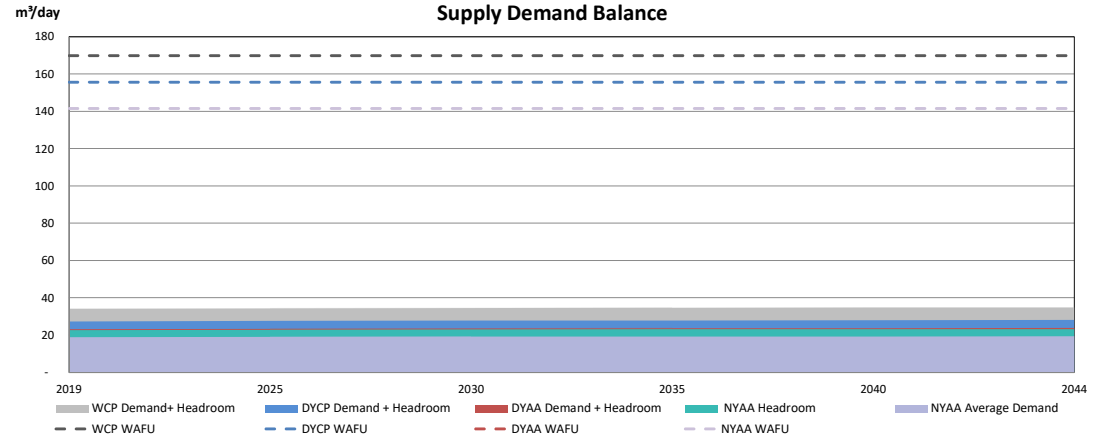
WRZ CODE	3100SC0017	WRZ Name	Camphire	Study Area	J	Study Group		Local Authority	Waterford

Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	16
Demand (m³/day)	19

Components of Base Demand 2019



Supply Demand Balance

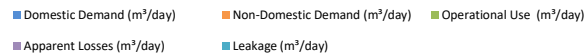


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	19	4	23	23	27	34
2025	19	4	23	23	28	34
2030	19	4	23	24	28	35
2035	19	4	23	24	28	35
2040	19	4	23	24	28	35
2044	19	4	23	24	28	35

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	3100SC0024	WRZ Name	Ballysaggart / Carrignagower	Study Area	K	Study Group		Local Authority	Waterford



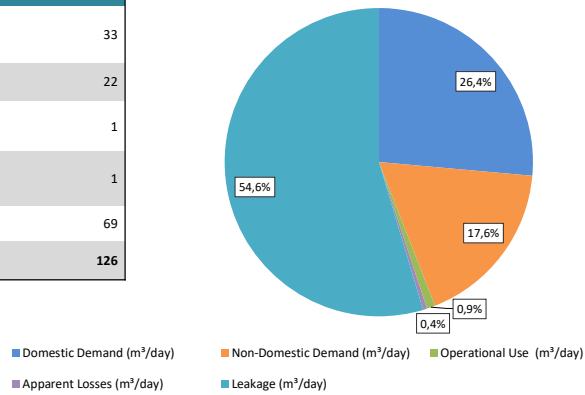
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	78	16	94	96	113	141
2025	79	16	95	97	114	142
2030	80	16	95	97	115	143
2035	80	16	96	98	116	144
2040	80	16	96	99	116	144
2044	80	16	97	99	117	145

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)	
2019	210	211	214	629	116	115	101	48	
2025	208	208	212	629	113	111	97	48	
2030	205	206	210	629	110	109	95	48	
2035	205	206	209	629	109	108	93	48	
2040	204	205	209	629	108	107	92	48	
2044	203	205	208	629	107	106	91	48	

WRZ CODE	3100SC0027	WRZ Name	Boolavoonteen / Kilcooney /	Study Area	K	Study Group	Local Authority	Waterford

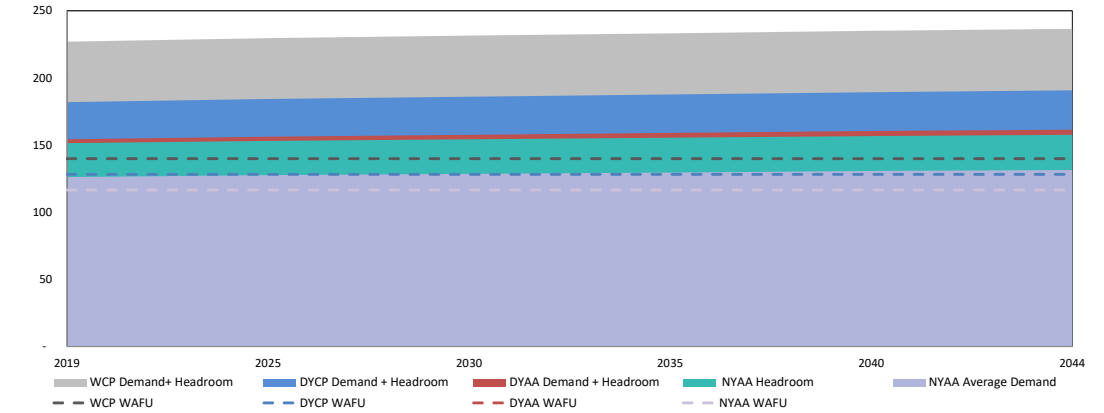
Base Demand in	2019
Domestic Demand (m³/day)	33
Non-Domestic Demand (m³/day)	22
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	69
Demand (m³/day)	126

Components of Base Demand 2019



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	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	117	117	128	140	-	35	-	38	- 87
2025	117	117	128	140	-	36	-	39	- 90
2030	117	117	128	140	-	38	-	41	- 91
2035	117	117	128	140	-	39	-	42	- 93
2040	117	117	128	140	-	40	-	44	- 95
2044	117	117	128	140	-	41	-	45	- 97

WRZ CODE	3100SC0033	WRZ Name	East Waterford Water Supply	Study Area	K	Study Group		Local Authority	Waterford

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

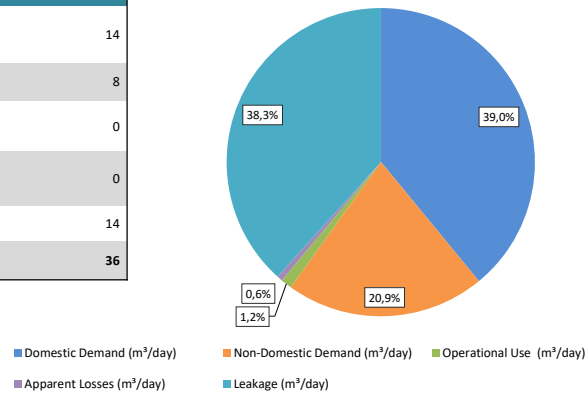
Projected Demands 2019 to 2044

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
WTP0000361	Carrigeen WTP	40	33	37	No Licence	38	22Hr	37	-	37	Demand > Safe Production Capacity
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	Portlawn WTP 1	500	417	458	No Licence	291	Yield	288	-	288	
WTP0001227	East Waterford (Adamstown)WTI	58 000	48 333	53 167	No Licence	43 062	Yield	39 832	-	1 992	

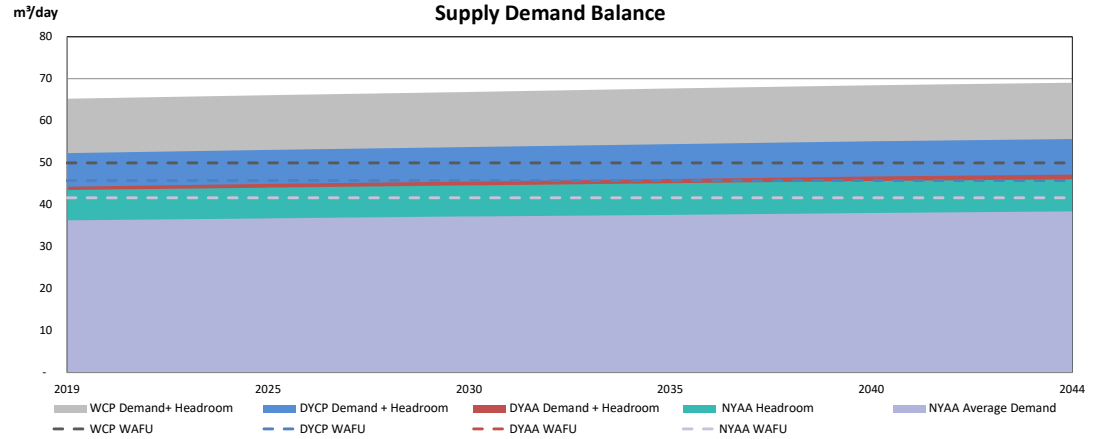
WRZ CODE	3100SC0042	WRZ Name	Faha	Study Area	K	Study Group	Local Authority	Waterford

Base Demand in	2019
Domestic Demand (m³/day)	14
Non-Domestic Demand (m³/day)	8
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	14
Demand (m³/day)	36

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	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

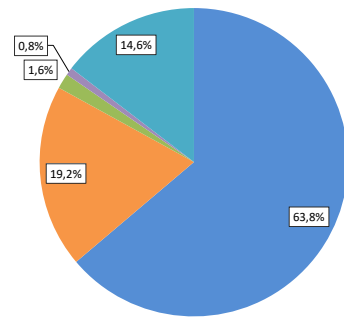
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	42	42	46	50	2	3	6	15	
2025	42	42	46	50	2	3	7	16	
2030	42	42	46	50	3	4	8	17	
2035	42	42	46	50	3	4	9	18	
2040	42	42	46	50	4	5	9	18	
2044	42	42	46	50	4	5	10	19	

WRZ CODE	3100SC0045	WRZ Name	Comeragh	Study Area	K	Study Group	Local Authority	Waterford

Base Demand in	2019
Domestic Demand (m³/day)	28
Non-Domestic Demand (m³/day)	8
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	6
Demand (m³/day)	44

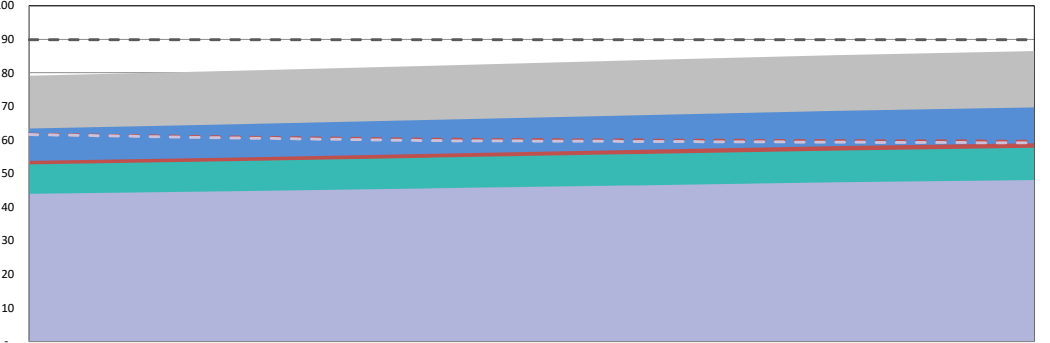
Components of Base Demand 2019



■ 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



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

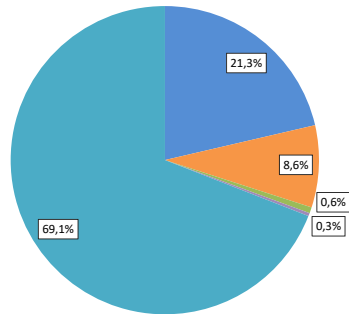
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	10
Non-Domestic Demand (m³/day)	4
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	34
Demand (m³/day)	49

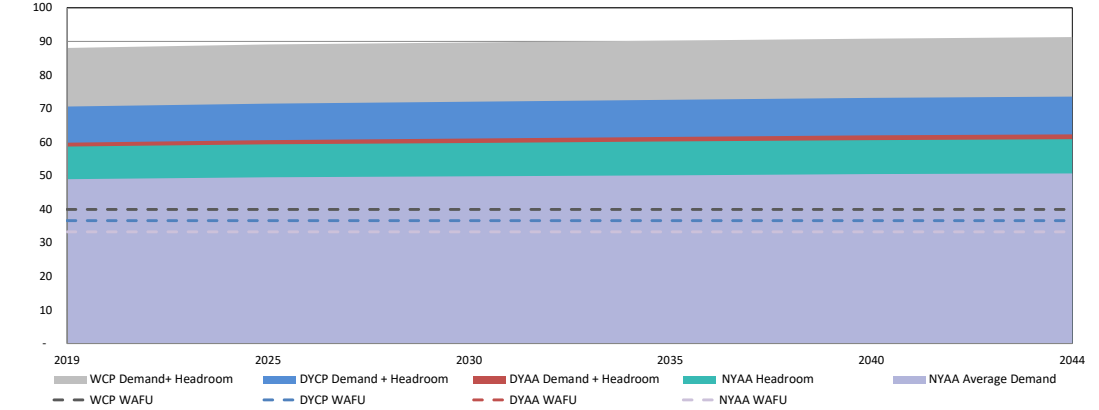
Components of Base Demand 2019



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

m³/day

Supply Demand Balance



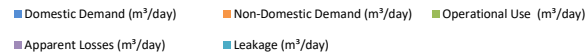
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	49	10	59	60	71	88
2025	49	10	59	61	71	89
2030	50	10	60	61	72	90
2035	50	10	60	62	73	90
2040	50	10	61	62	73	91
2044	51	10	61	62	74	91

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
WTP0000239	BallyguiryWTP	40	33	37	No Licence	77	22Hr	37	-	37	
TOTAL		40	33	37	-	77		37	-	37	

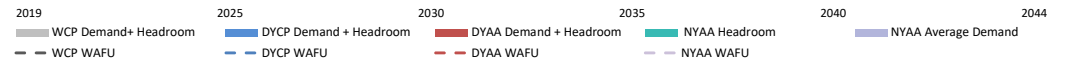
Year	WAFU				Supply Demand Balance				
	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	33	33	37	40	-	25	-	26	-
2025	33	33	37	40	-	26	-	27	-
2030	33	33	37	40	-	26	-	28	-
2035	33	33	37	40	-	27	-	28	-
2040	33	33	37	40	-	27	-	29	-
2044	33	33	37	40	-	28	-	29	-

WRZ CODE	3100SC0052	WRZ Name	Ballyheaphy	Study Area	J	Study Group		Local Authority	Waterford

Components of Base Demand 2019



Supply Demand Balance

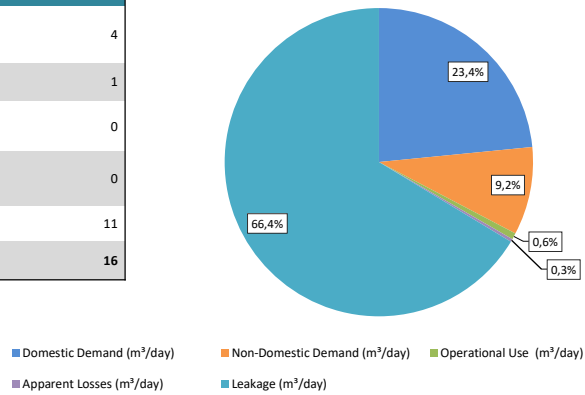


Year	WAFU				Supply Demand Balance				
	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	42	42	46	50	14	14	13	12	
2025	42	42	46	50	14	13	12	12	
2030	42	42	46	50	14	13	12	12	
2035	42	42	46	50	13	13	12	12	
2040	42	42	46	50	13	12	11	11	
2044	42	42	46	50	13	12	11	11	

WRZ CODE	3100SC0053	WRZ Name	Inchinleamy	Study Area	K	Study Group	Local Authority	Waterford

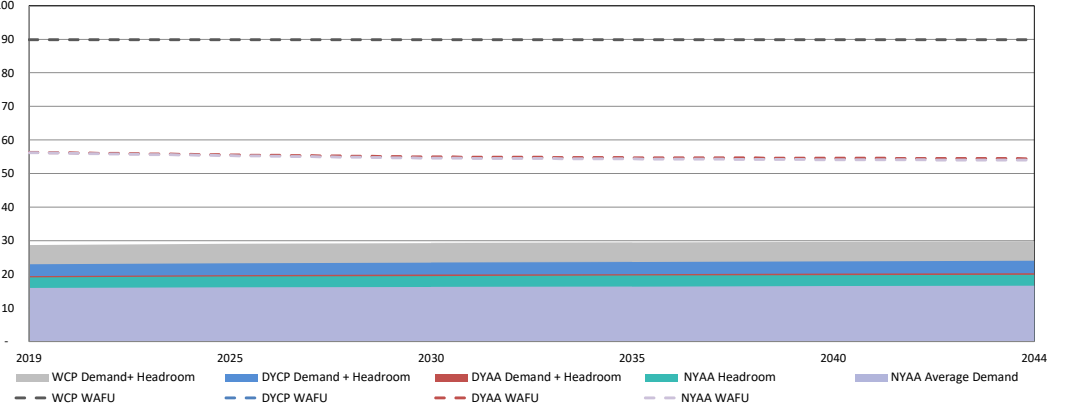
Base Demand in	2019
Domestic Demand (m³/day)	4
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	11
Demand (m³/day)	16

Components of Base Demand 2019



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	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

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)

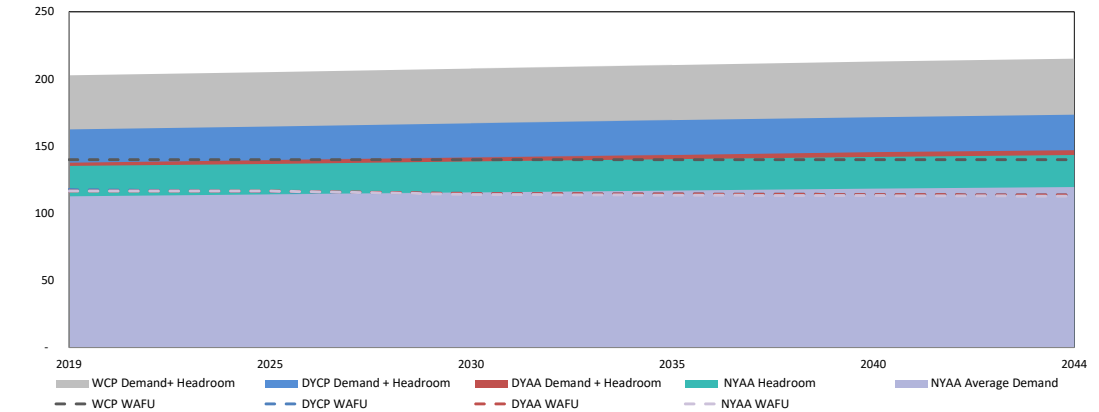
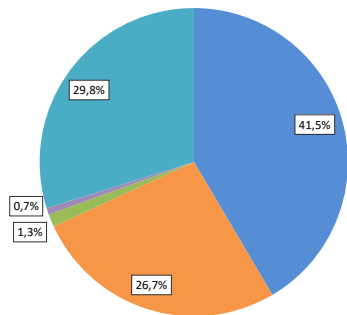
Supply Demand Balance

Projected Demands 2019 to 2044

Water Available for Use in 2044 DYCP

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)	
2019	208	208	229	250 -	21 -	25 -	46 -	94 -	
2025	208	208	229	250 -	24 -	28 -	50 -	98 -	
2030	208	208	229	250 -	27 -	32 -	54 -	103 -	
2035	208	208	229	250 -	30 -	35 -	58 -	107 -	
2040	208	208	229	250 -	33 -	38 -	62 -	112 -	
2044	208	208	229	250 -	35 -	41 -	65 -	115 -	

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



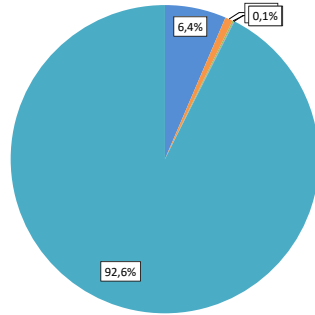
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	117	117	118	140 -	19 -	21 -	45 -	6
2025	117	117	116	140 -	20 -	23 -	49 -	6
2030	114	115	115	140 -	24 -	27 -	52 -	6
2035	114	114	114	140 -	27 -	29 -	55 -	7
2040	113	114	114	140 -	29 -	31 -	57 -	7
2044	113	114	114	140 -	31 -	33 -	60 -	7

WRZ CODE	3100SC0081	WRZ Name	Moores Well	Study Area	K	Study Group	Local Authority	Waterford

Base Demand in	2019
Domestic Demand (m³/day)	11
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	163
Demand (m³/day)	176

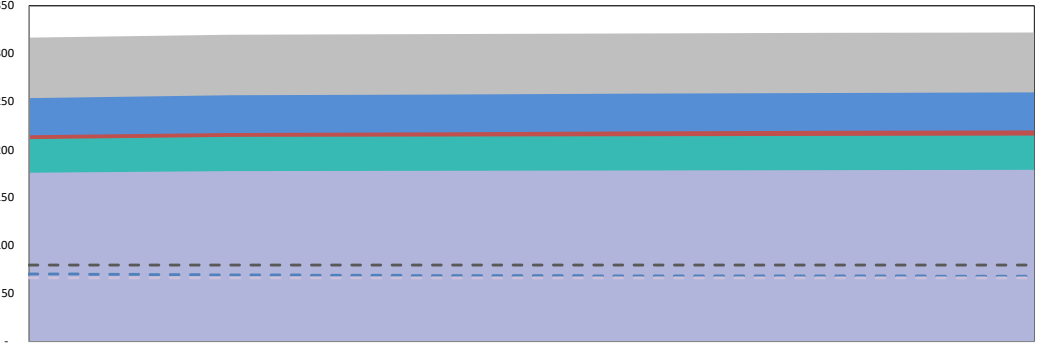
Components of Base Demand 2019



■ 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



2019 2025 2030 2035 2040 2044
 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

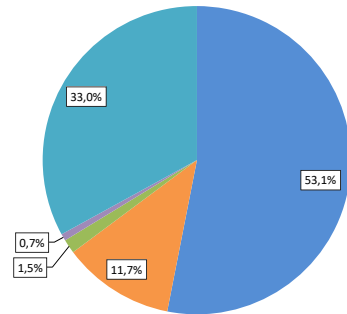
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	67	67	71	80	144	148	183	237
2025	67	67	70	80	147	151	187	240
2030	67	67	69	80	147	152	189	241
2035	67	67	69	80	147	152	190	241
2040	67	67	68	80	148	153	191	242
2044	67	67	68	80	148	153	191	242

WRZ CODE	3100SC0082	WRZ Name	Aglish Cul Rua	Study Area	J	Study Group	Local Authority	Waterford

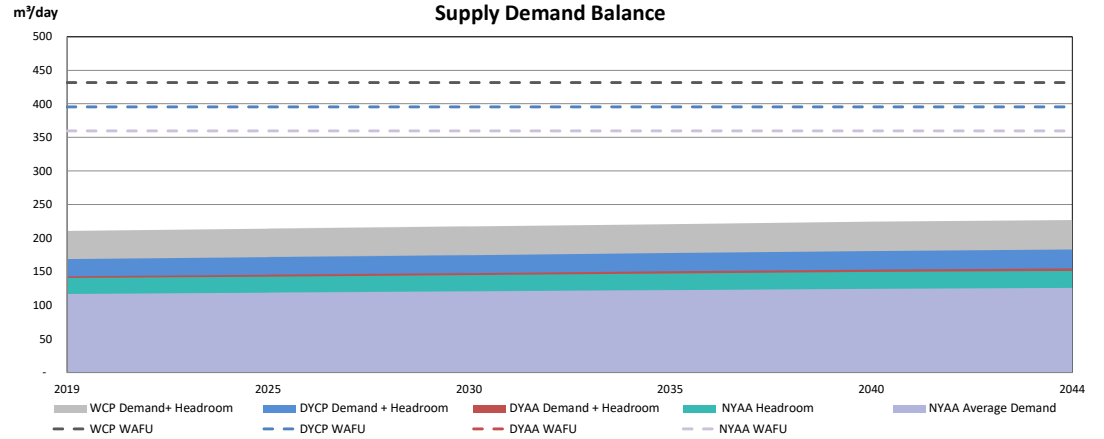
Base Demand in	2019
Domestic Demand (m³/day)	62
Non-Domestic Demand (m³/day)	14
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	39
Demand (m³/day)	117

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	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

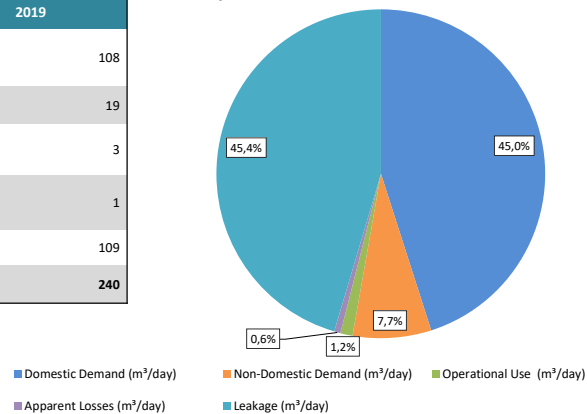
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

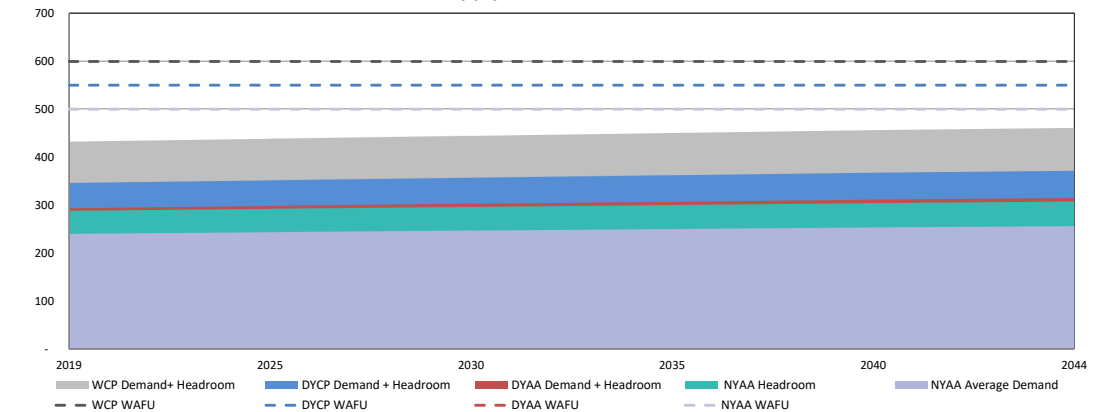
Base Demand in	2019
Domestic Demand (m³/day)	108
Non-Domestic Demand (m³/day)	19
Operational Use (m³/day)	3
Apparent Losses (m³/day)	1
Leakage (m³/day)	109
Demand (m³/day)	240

Components of Base Demand 2019



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	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

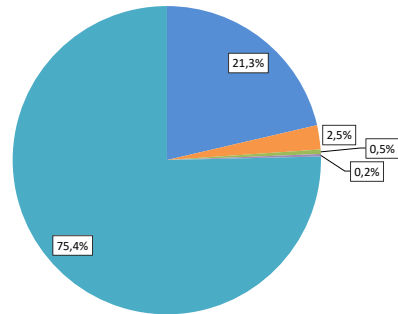
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000765	Stradbally WTP	600	500	550	No Licence	7 732	22Hr	550	-	550	

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)		
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	3100SC0086	WRZ Name	Russelstown /Lyrenaleara	Study Area	K	Study Group	Local Authority	Waterford

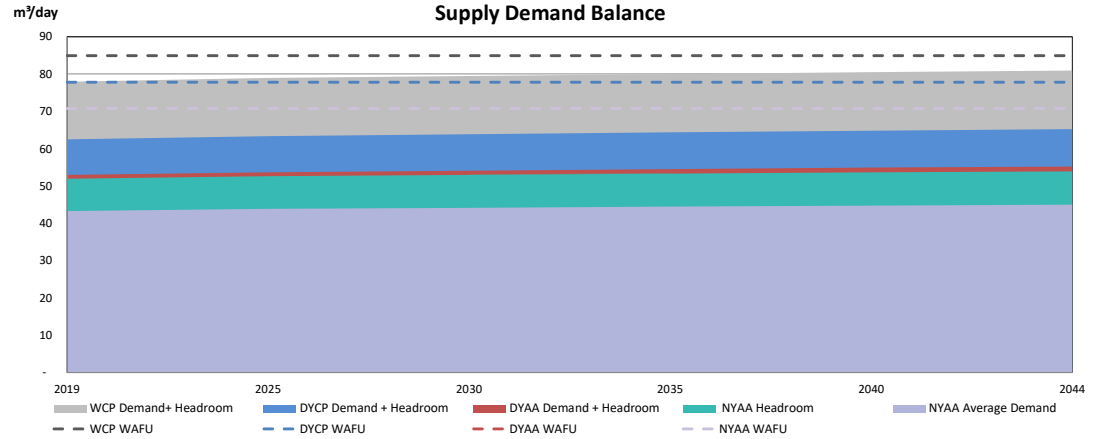
Base Demand in	2019
Domestic Demand (m³/day)	9
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	33
Demand (m³/day)	43

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

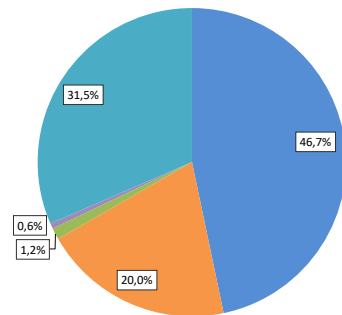
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	3100SC0089	WRZ Name	Rathgormack	Study Area	K	Study Group	Local Authority	Waterford

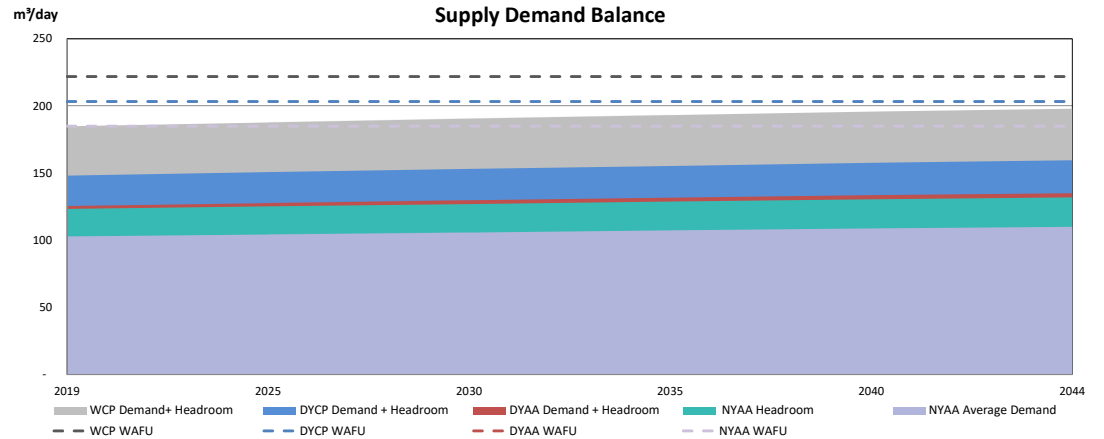
Base Demand in	2019
Domestic Demand (m³/day)	48
Non-Domestic Demand (m³/day)	21
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	32
Demand (m³/day)	103

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

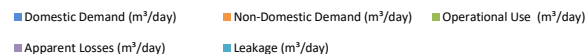


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	103	21	123	126	148	185
2025	104	21	125	128	151	188
2030	106	21	127	130	153	190
2035	107	21	129	132	155	193
2040	109	22	131	134	158	196
2044	110	22	132	135	160	198

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



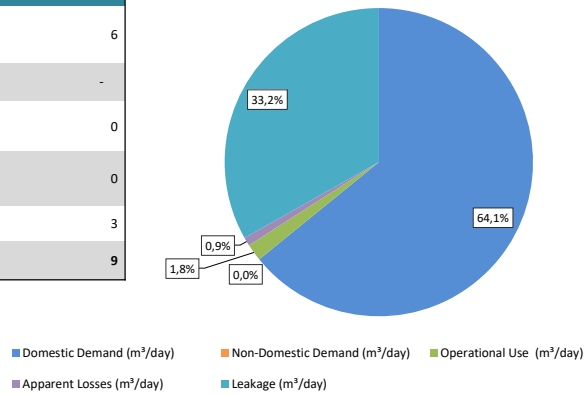
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

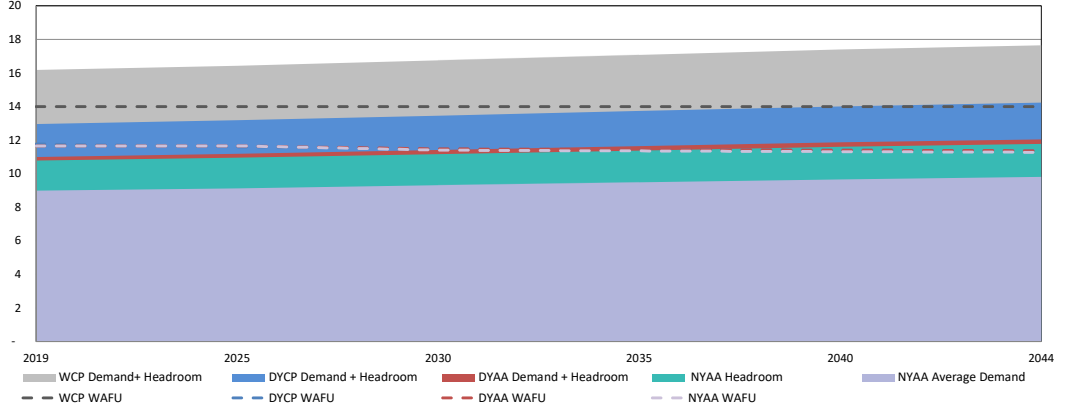
Base Demand in	2019
Domestic Demand (m³/day)	6
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	3
Demand (m³/day)	9

Components of Base Demand 2019



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	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

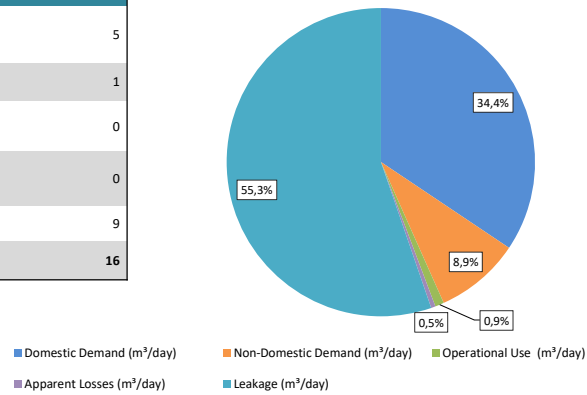
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000374	Dunhill Ballynageeragh WTP	14	12	13	No Licence	11	Yield	11	-	11	
TOTAL		14	12	13	-	11		11	-	11	

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)	
2019	12	12	12	14	1	1 -		1 -	
2025	12	12	12	14	1	0 -		2 -	
2030	11	11	11	14	0	0 -		2 -	
2035	11	11	11	14 -	0 -	0 -		2 -	
2040	11	11	11	14 -	0 -	0 -		3 -	
2044	11	11	11	14 -	0 -	1 -		3 -	

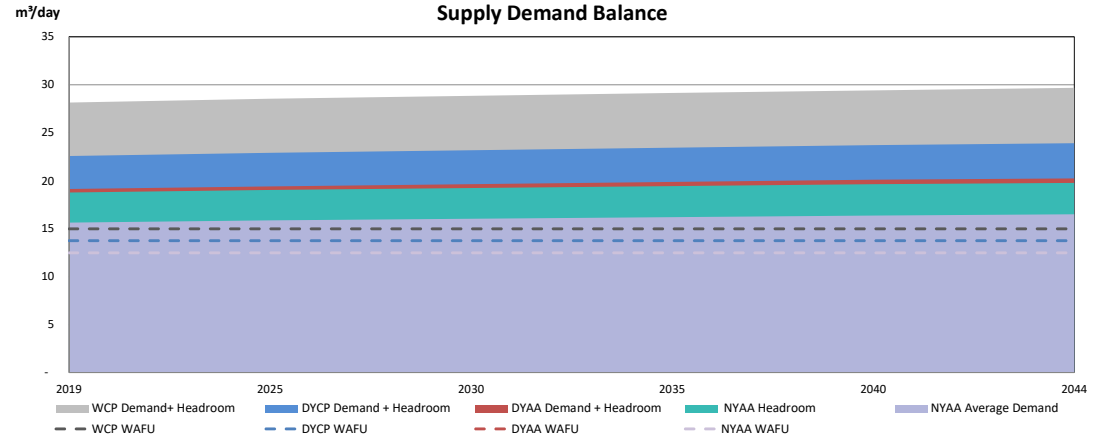
WRZ CODE	3100SC0093	WRZ Name	Graiguenageeha	Study Area	K	Study Group	Local Authority	Waterford

Base Demand in	2019
Domestic Demand (m³/day)	5
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	9
Demand (m³/day)	16

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	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

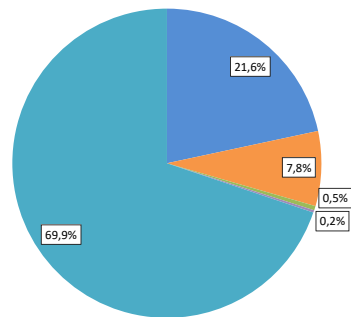
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000505	Graiguenageeha 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	13	13	14	15	-	6	-	7	-
2025	13	13	14	15	-	7	-	7	-
2030	13	13	14	15	-	7	-	7	-
2035	13	13	14	15	-	7	-	7	-
2040	13	13	14	15	-	7	-	8	-
2044	13	13	14	15	-	7	-	8	-

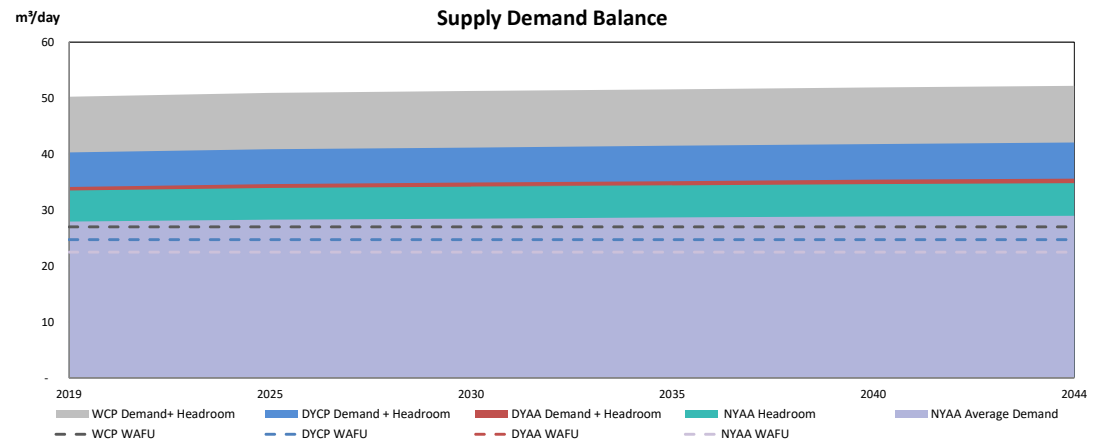
WRZ CODE	3100SC0094	WRZ Name	Kilnafrehan	Study Area	0	Study Group		Local Authority	Waterford

Base Demand in	2019
Domestic Demand (m³/day)	6
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/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)

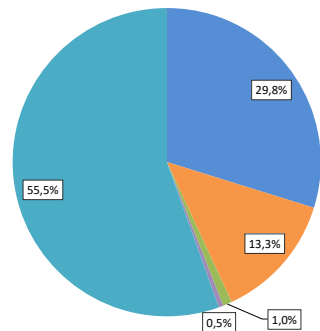
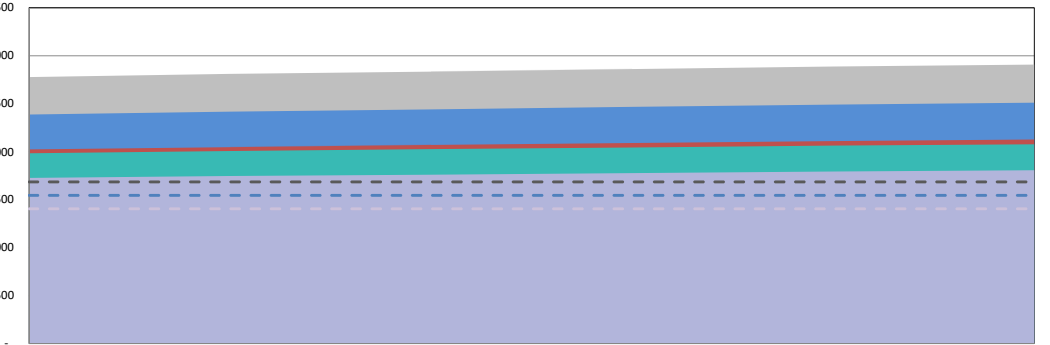


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	28	6	34	34	40	50
2025	28	6	34	35	41	51
2030	28	6	34	35	41	51
2035	29	6	34	35	42	52
2040	29	6	35	35	42	52
2044	29	6	35	36	42	52

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
WTP0001129	Kilnafrehan WTP	27	23	25	No Licence	96	22Hr	25	-	25	
							</				

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)	
2019	23	23	25	27	-	11	12	16	23	
2025	23	23	25	27	-	11	12	16	24	
2030	23	23	25	27	-	12	12	16	24	
2035	23	23	25	27	-	12	13	17	25	
2040	23	23	25	27	-	12	13	17	25	
2044	23	23	25	27	-	12	13	17	25	

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

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	1 726	259	1 985	2 022	2 386	2 771
2025	1 746	262	2 008	2 048	2 417	2 811
2030	1 762	264	2 026	2 069	2 442	2 833
2035	1 778	267	2 044	2 091	2 467	2 861
2040	1 794	269	2 063	2 112	2 491	2 888
2044	1 806	271	2 077	2 127	2 511	2 904

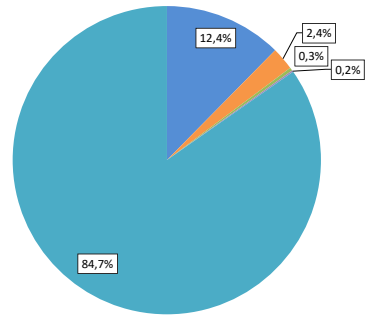
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	1 406	1 406	1 546	1 687 -	579 -	617 -	840 -	1 091	
2025	1 406	1 406	1 546	1 687 -	602 -	642 -	870 -	1 121	
2030	1 406	1 406	1 546	1 687 -	620 -	663 -	895 -	1 151	
2035	1 406	1 406	1 546	1 687 -	639 -	685 -	920 -	1 171	
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	3100SC0098	WRZ Name	Ballyshunnock	Study Area	K	Study Group	Local Authority	Waterford

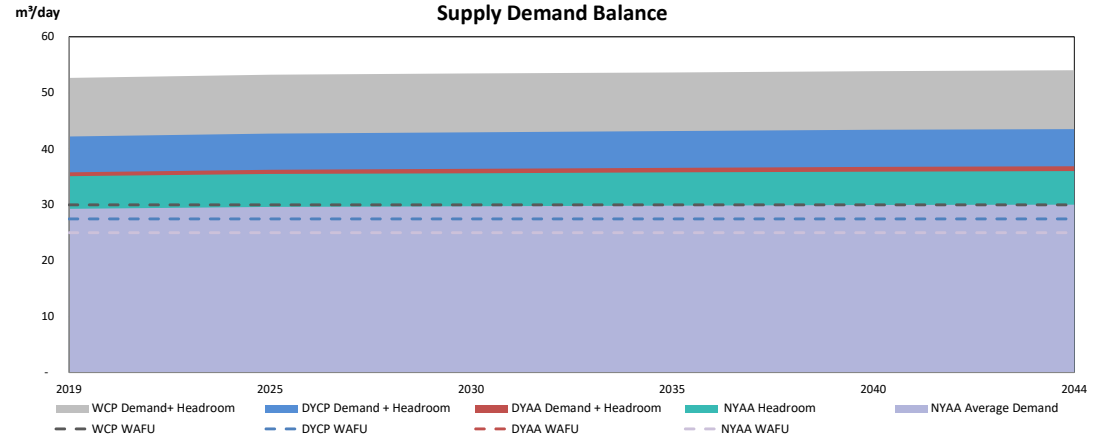
Base Demand in	2019
Domestic Demand (m³/day)	4
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	25
Demand (m³/day)	29

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

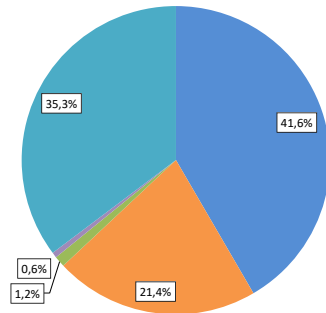
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	25	25	28	30 -	10 -	11 -	15 -	23 -		
2025	25	25	28	30 -	11 -	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	3100SC0099	WRZ Name	Kilmacthomas	Study Area	K	Study Group	Local Authority	Waterford

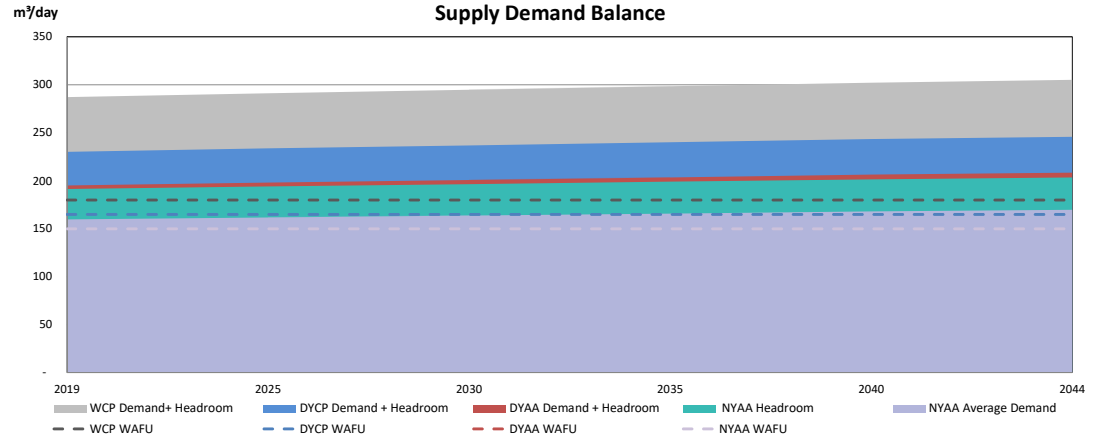
Base Demand in	2019
Domestic Demand (m³/day)	66
Non-Domestic Demand (m³/day)	34
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	56
Demand (m³/day)	160

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

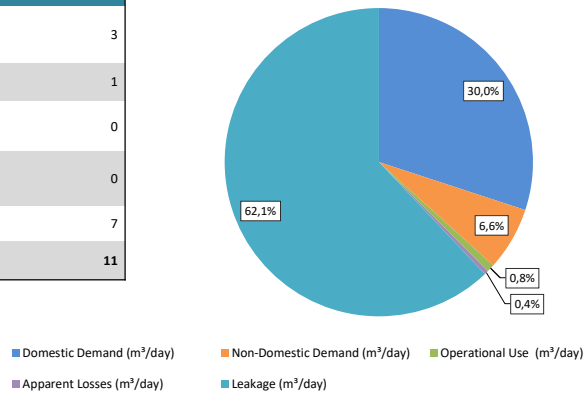
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	150	150	165	180	-	41	-	65	-	107
2025	150	150	165	180	-	44	-	69	-	111
2030	150	150	165	180	-	47	-	72	-	115
2035	150	150	165	180	-	49	-	75	-	119
2040	150	150	165	180	-	51	-	78	-	122
2044	150	150	165	180	-	53	-	81	-	125

WRZ CODE	3100SC0101	WRZ Name	Scrahan	Study Area	K	Study Group		Local Authority	Waterford

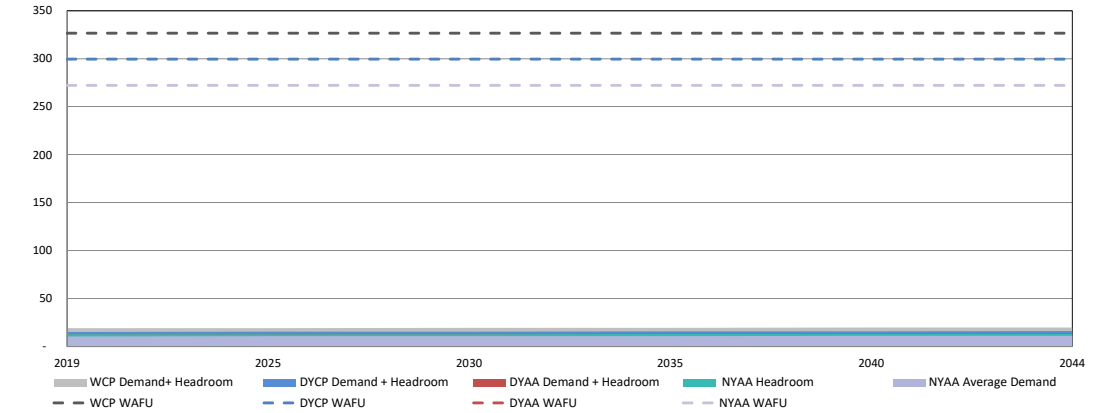
Base Demand in	2019
Domestic Demand (m³/day)	3
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	7
Demand (m³/day)	11

Components of Base Demand 2019



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	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

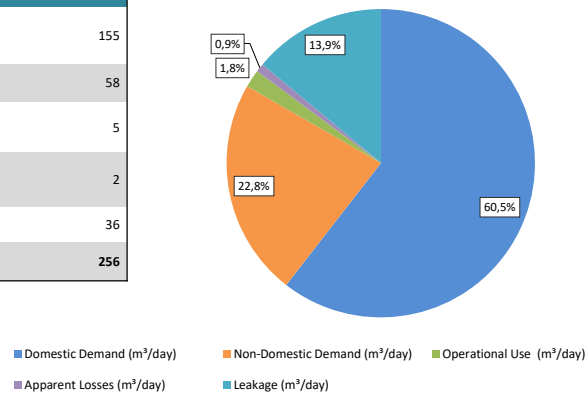
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	273	273	300	327	260	260	285	308	
2025	273	273	300	327	260	259	284	308	
2030	273	273	300	327	260	259	284	308	
2035	273	273	300	327	259	259	284	307	
2040	273	273	300	327	259	259	284	307	
2044	273	273	300	327	259	259	284	307	

WRZ CODE	3100SC0102	WRZ Name	Kill/Ballylaneen	Study Area	K	Study Group	Local Authority	Waterford

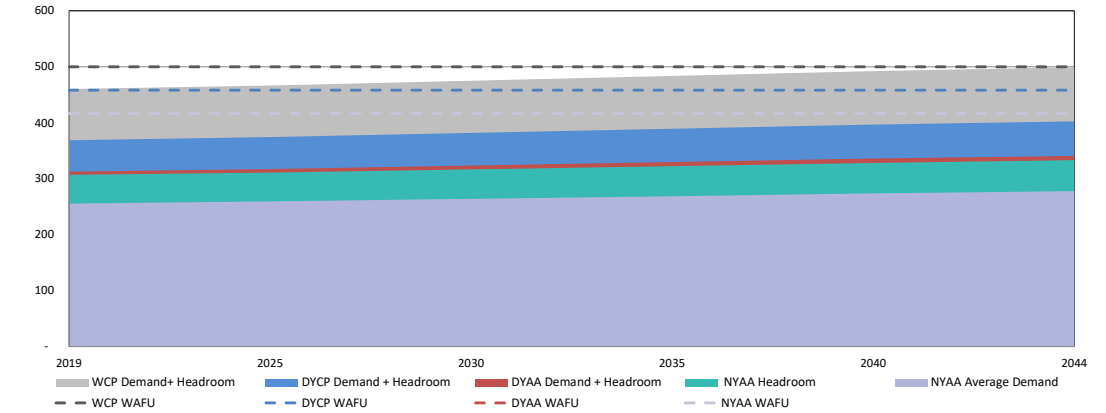
Base Demand in	2019
Domestic Demand (m³/day)	155
Non-Domestic Demand (m³/day)	58
Operational Use (m³/day)	5
Apparent Losses (m³/day)	2
Leakage (m³/day)	36
Demand (m³/day)	256

Components of Base Demand 2019



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	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

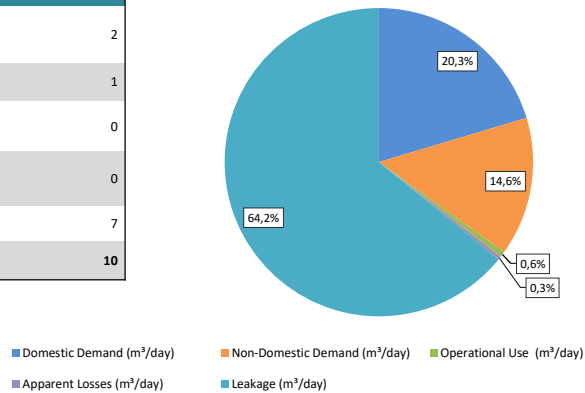
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000311	Ballylaneen 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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	417	417	458	500	110	104	90	40	
2025	417	417	458	500	106	99	84	33	
2030	417	417	458	500	100	93	77	25	
2035	417	417	458	500	94	87	69	16	
2040	417	417	458	500	88	81	62	7	
2044	417	417	458	500	84	76	56	1	

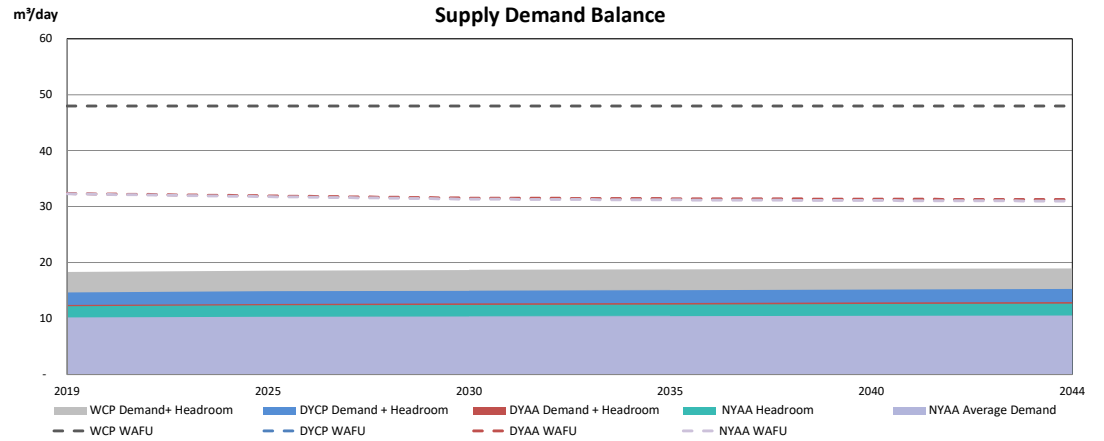
WRZ CODE	3100SC0106	WRZ Name	Kilmore-Kilbeg	Study Area	J	Study Group		Local Authority	Waterford

Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	7
Demand (m³/day)	10

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	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

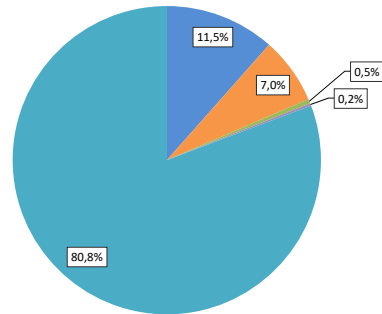
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	8
Demand (m³/day)	10

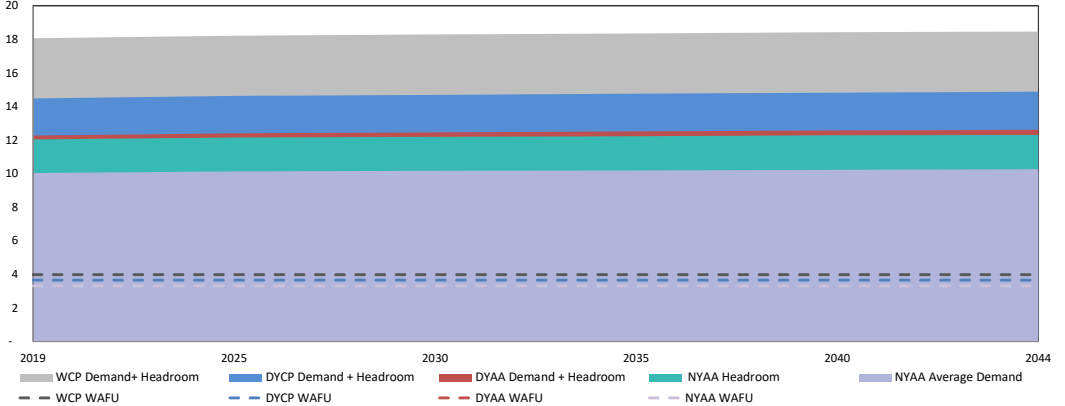
Components of Base Demand 2019



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

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	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

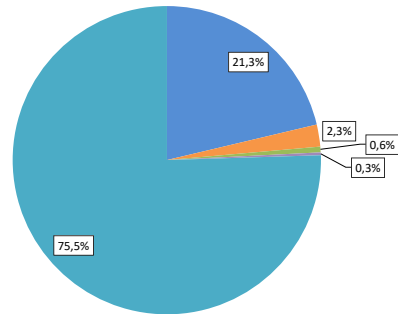
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (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	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

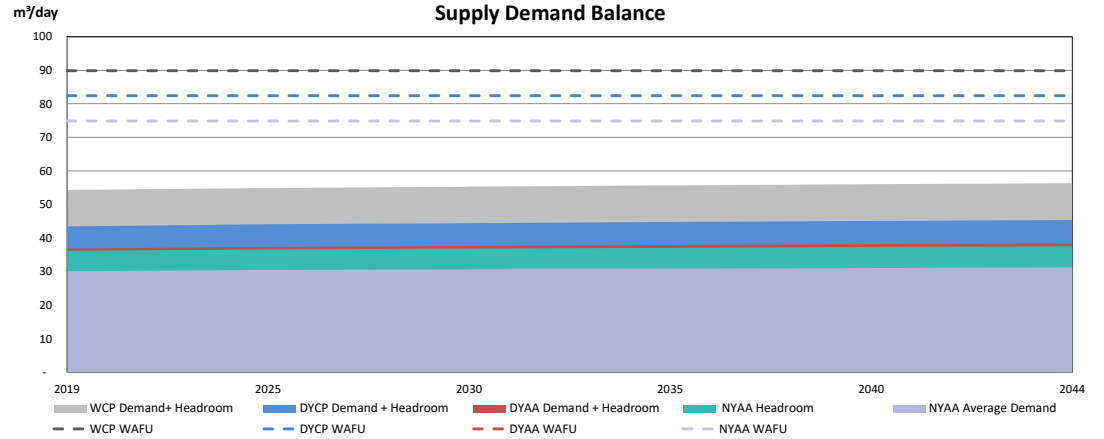
Base Demand in	2019
Domestic Demand (m³/day)	6
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	23
Demand (m³/day)	30

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

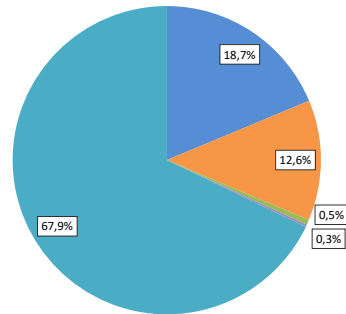
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	13
Non-Domestic Demand (m³/day)	9
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	46
Demand (m³/day)	68

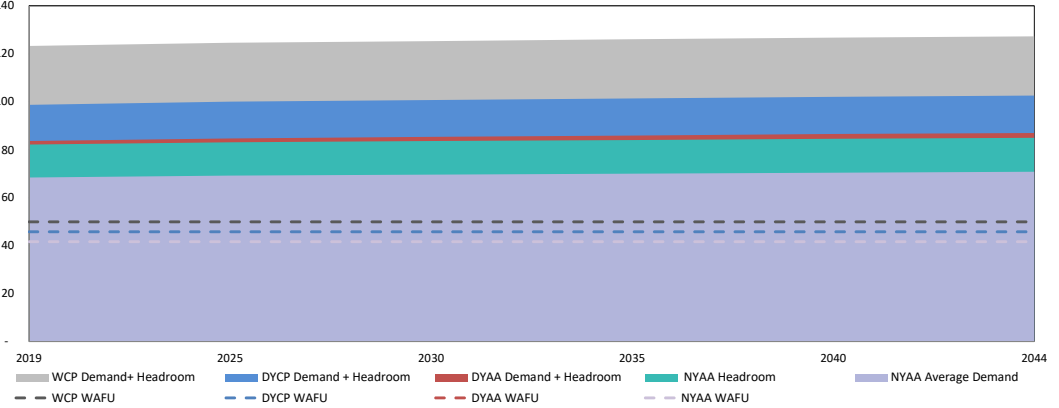
Components of Base Demand 2019



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

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	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

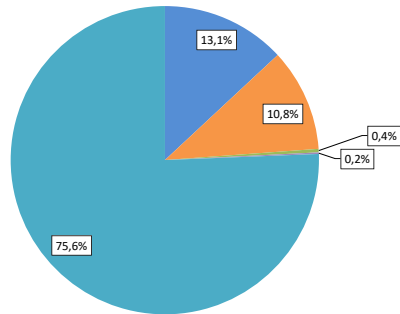
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	42	42	46	50	-	40	-	42	-	73
2025	42	42	46	50	-	41	-	43	-	75
2030	42	42	46	50	-	42	-	44	-	75
2035	42	42	46	50	-	42	-	44	-	76
2040	42	42	46	50	-	43	-	45	-	77
2044	42	42	46	50	-	43	-	45	-	77

WRZ CODE	3100SC0110	WRZ Name	Crehanagh	Study Area	K	Study Group		Local Authority	Tipperary

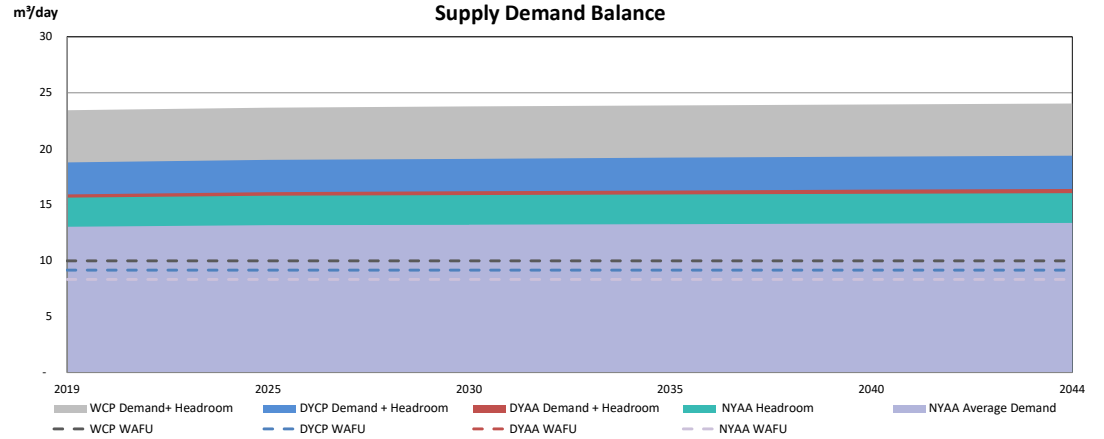
Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	10
Demand (m³/day)	13

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

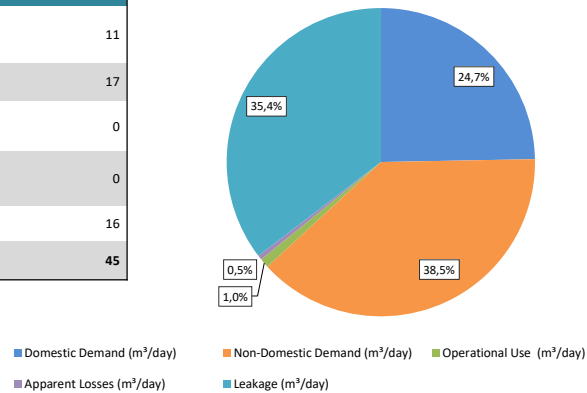
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

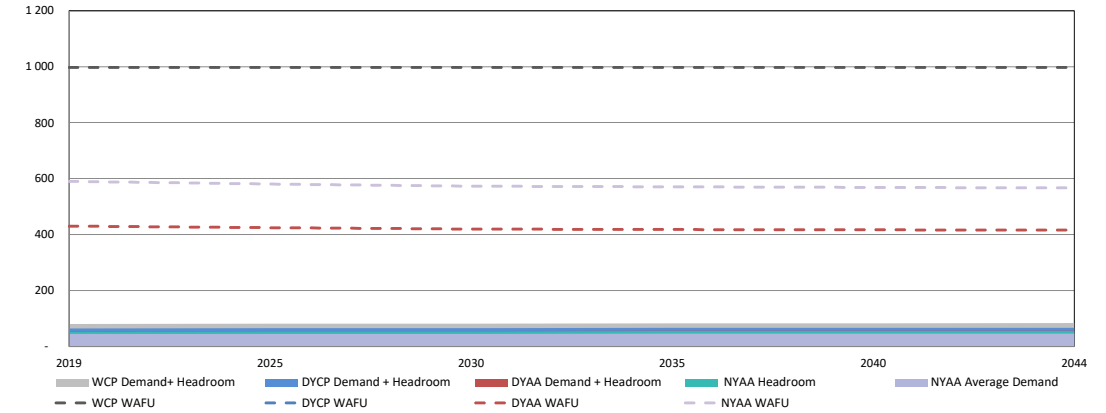
Base Demand in	2019
Domestic Demand (m³/day)	11
Non-Domestic Demand (m³/day)	17
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	16
Demand (m³/day)	45

Components of Base Demand 2019



m³/day

Supply Demand Balance

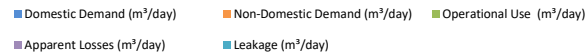


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	45	9	54	55	64	80
2025	45	9	54	55	65	81
2030	45	9	55	56	66	82
2035	46	9	55	56	66	82
2040	46	9	55	57	67	83
2044	46	9	56	57	67	84

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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



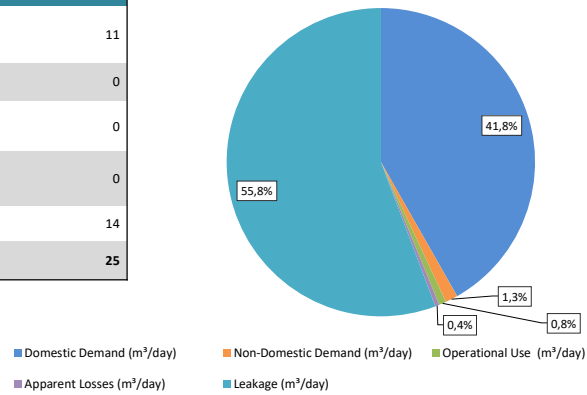
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	52	10	62	64	75	9
2025	53	11	63	64	76	9
2030	53	11	64	65	77	9
2035	54	11	65	66	78	9
2040	54	11	65	67	79	9
2044	55	11	66	67	80	

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)	
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	

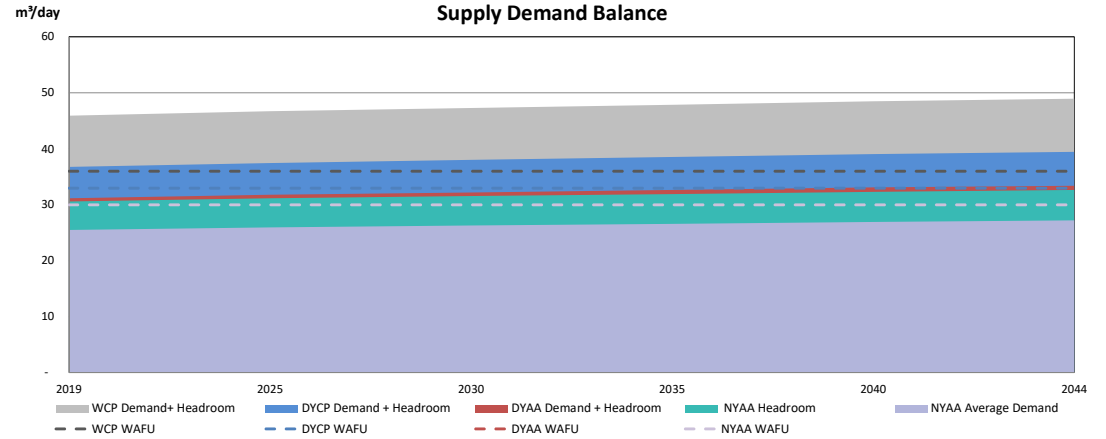
WRZ CODE	3100SC0113	WRZ Name	Lacken	Study Area	K	Study Group	Local Authority	Waterford

Base Demand in	2019
Domestic Demand (m³/day)	11
Non-Domestic Demand (m³/day)	0
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	14
Demand (m³/day)	25

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	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

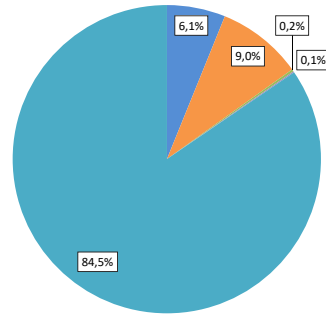
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	30	30	33	36	-	1	-	10
2025	30	30	33	36	-	1	-	11
2030	30	30	33	36	-	2	-	11
2035	30	30	33	36	-	2	-	12
2040	30	30	33	36	-	2	-	12
2044	30	30	33	36	-	3	-	13

WRZ CODE	3100SC0114	WRZ Name	Liskealty	Study Area	K	Study Group	Local Authority	Waterford

Base Demand in	2019
Domestic Demand (m³/day)	0
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	7
Demand (m³/day)	8

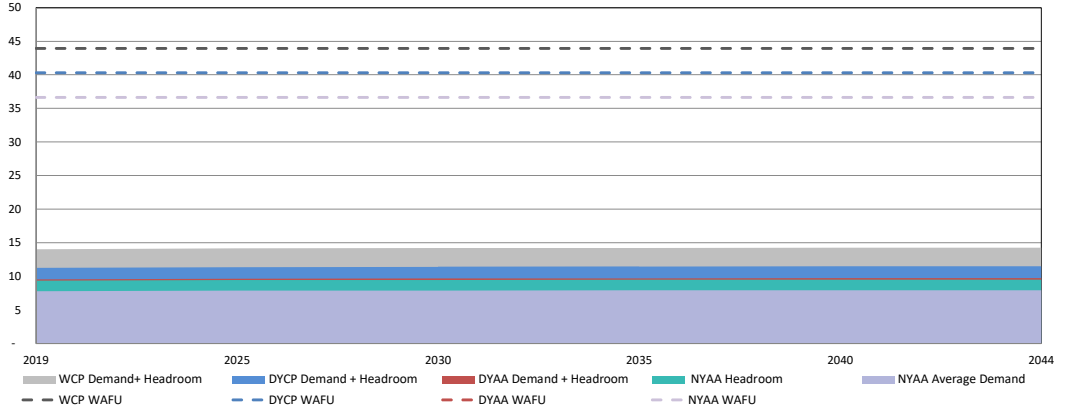
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

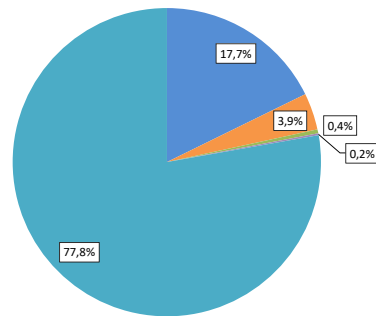
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	30
Non-Domestic Demand (m³/day)	7
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	132
Demand (m³/day)	169

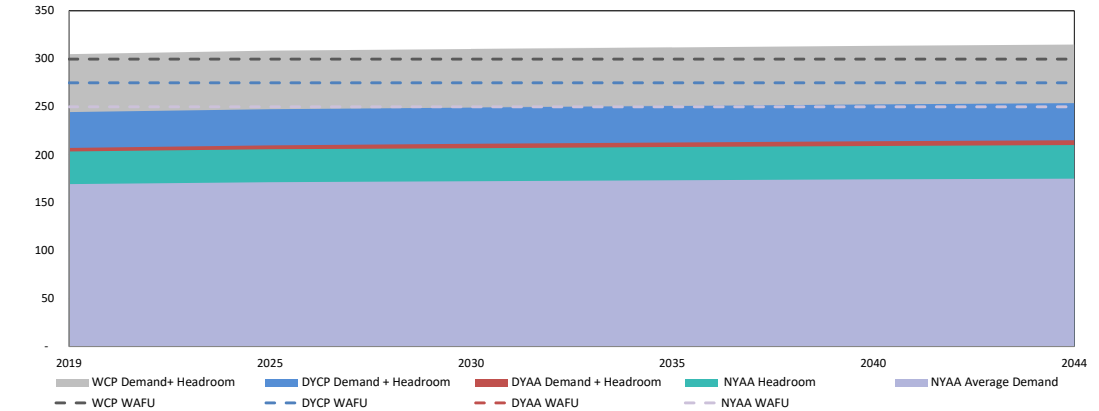
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

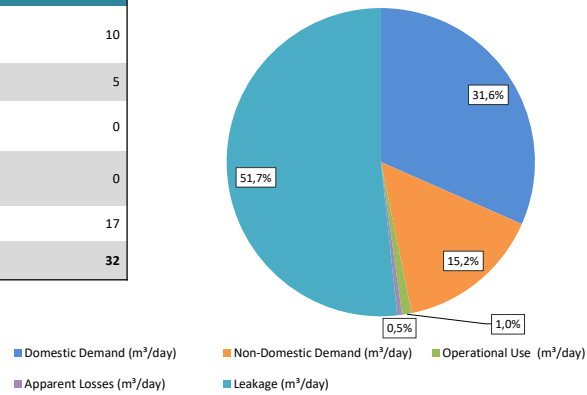
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	250	250	275	300	47	43	31	-	
2025	250	250	275	300	44	40	27	-	
2030	250	250	275	300	43	39	26	-	
2035	250	250	275	300	42	37	24	-	
2040	250	250	275	300	41	36	23	-	
2044	250	250	275	300	40	35	21	-	

WRZ CODE	3100SC0116	WRZ Name	Kilbrien	Study Area	K	Study Group	Local Authority	Waterford

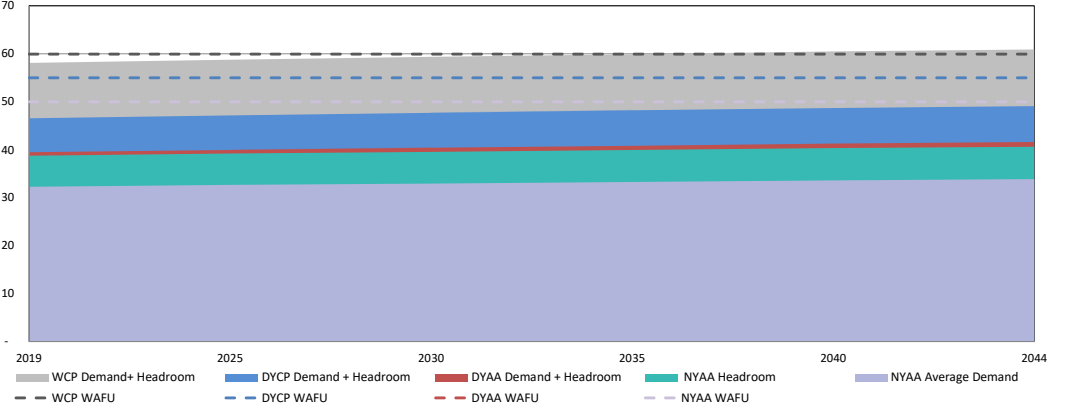
Base Demand in	2019
Domestic Demand (m³/day)	10
Non-Domestic Demand (m³/day)	5
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	17
Demand (m³/day)	32

Components of Base Demand 2019



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	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

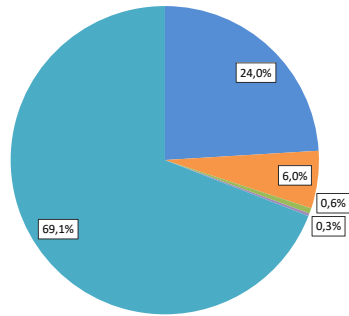
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0001086	Kilbrien (Ballinakill) WTP	60	50	55	No Licence	57	22Hr	55	-	55	
TOTAL		60	50	55	-	57		55	-	55	

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)	
2019	50	50	55	60	11	11	8		
2025	50	50	55	60	11	10	8		
2030	50	50	55	60	10	10	7		
2035	50	50	55	60	10	9	7		
2040	50	50	55	60	10	9	6 -		
2044	50	50	55	60	9	8	6 -		

WRZ CODE	3100SC0117	WRZ Name	Poulmagunoge	Study Area	K	Study Group	Local Authority	Waterford

Base Demand in	2019
Domestic Demand (m³/day)	13
Non-Domestic Demand (m³/day)	3
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	38
Demand (m³/day)	54

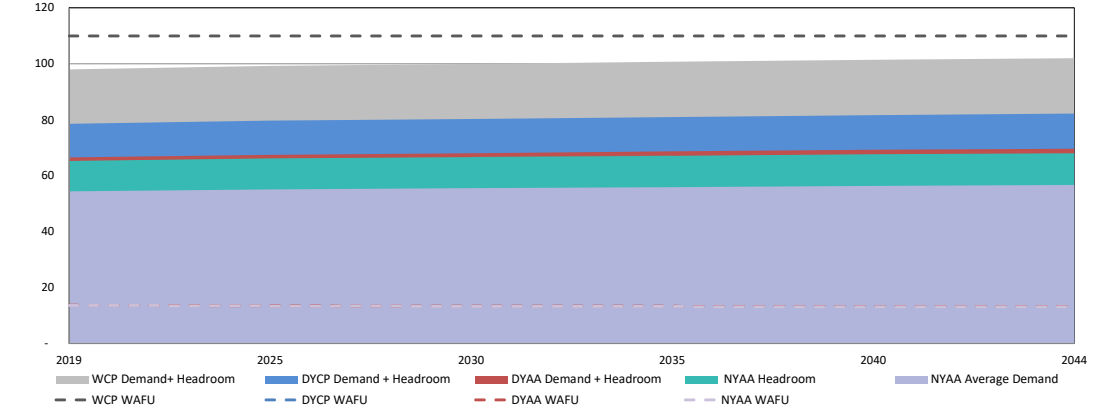
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
WTP0000694	Poulavanogue WTP	110	92	101	No Licence	13	Yield	13	-	13	
TOTAL		110	92	101	-	13		13	-	13	

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)
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

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

Frequency	Percentage
Very often	34,9%
Often	19,4%
Sometimes	44,0%
Rarely	0,5%
Never	1,1%

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	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	27 490
2044	19 431	1 943	21 375	21 884	25 837	27 780

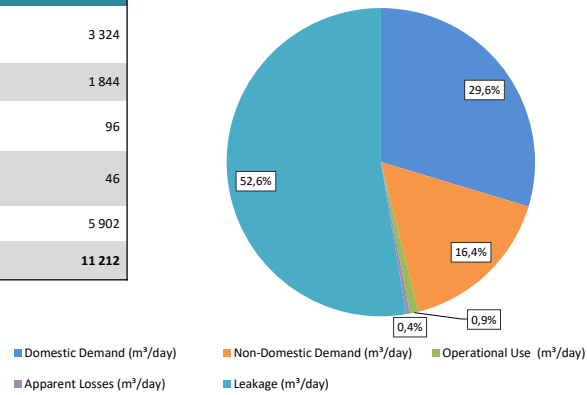
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)		NYAA (m³/day)		DYAA (m³/day)		DYCP (m³/day)		WCP (m³/day)	
2019	12 440	12 440	12 440	12 440	20 900	-	7 729	-	8 107	-	11 804	-	5 320	-	5 320	-
2025	12 440	12 440	12 440	12 440	20 900	-	7 852	-	8 260	-	11 985	-	5 480	-	5 480	-
2030	-	-	-	-	20 900	-	20 577	-	21 016	-	24 798	-	5 850	-	5 850	-
2035	-	-	-	-	20 900	-	20 862	-	21 332	-	25 171	-	6 220	-	6 220	-
2040	-	-	-	-	20 900	-	21 147	-	21 650	-	25 541	-	6 591	-	6 591	-
2044	-	-	-	-	20 900	-	21 375	-	21 884	-	25 837	-	6 887	-	6 887	-

WRZ CODE	3200SC0002	WRZ Name	Athlone	Study Area	5	Study Group	Local Authority	Westmeath

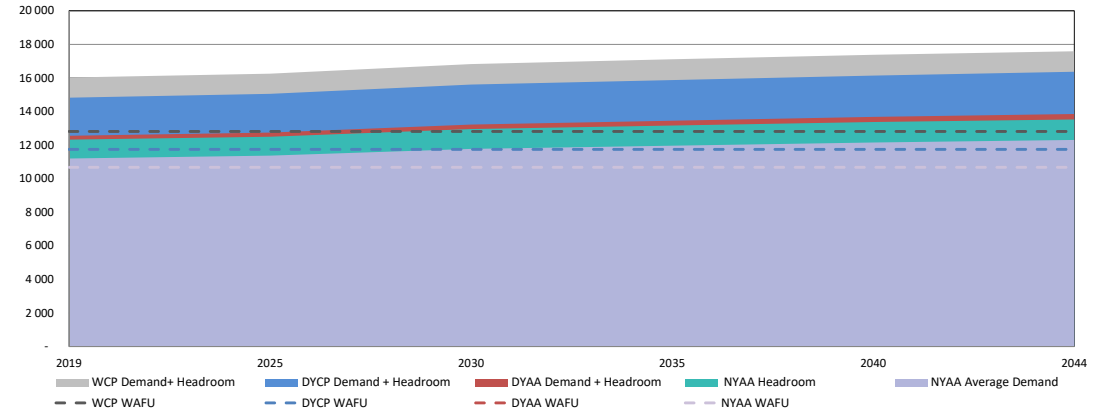
Base Demand in	2019
Domestic Demand (m³/day)	3 324
Non-Domestic Demand (m³/day)	1 844
Operational Use (m³/day)	96
Apparent Losses (m³/day)	46
Leakage (m³/day)	5 902
Demand (m³/day)	11 212

Components of Base Demand 2019



m³/day

Supply Demand Balance

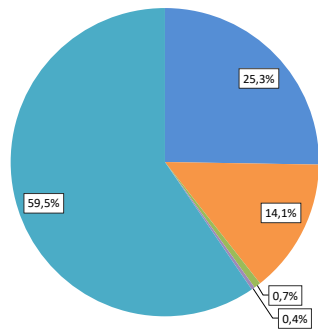
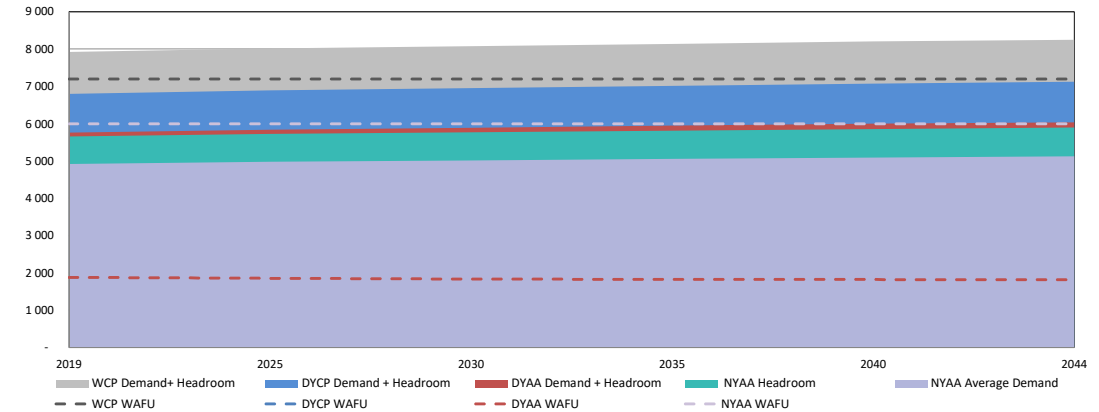


Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	11 212	1 121	12 333	12 564	14 825	16 033
2025	11 368	1 137	12 505	12 757	15 052	16 257
2030	11 775	1 177	12 952	13 229	15 609	16 838
2035	11 964	1 196	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 (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	
WTP0000057	Athlone WTP	13 500	11 250	12 375	40 900	365 441	22Hr	12 375	-	619	11 756	Issue Capacity / Yield (Unknown)
</												

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)	
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 -	

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

m³/day

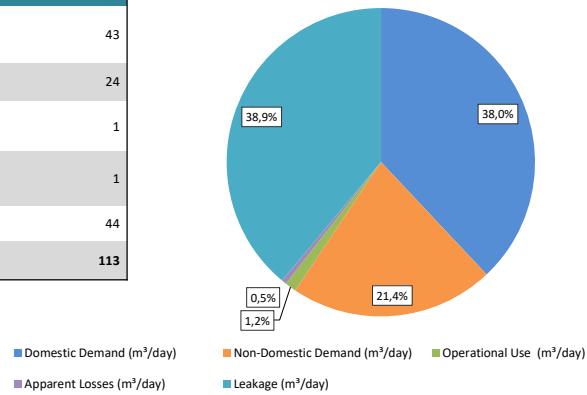
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	6 000	1 885	1 885	7 200	340 -	3 881 -	4 919 -	72 000
2025	6 000	1 860	1 860	7 200	273 -	3 983 -	5 034 -	81 000
2030	6 000	1 839	1 839	7 200	229 -	4 056 -	5 117 -	88 000
2035	6 000	1 832	1 832	7 200	184 -	4 115 -	5 185 -	94 000
2040	6 000	1 827	1 827	7 200	140 -	4 173 -	5 251 -	1 00 000
2044	6 000	1 822	1 822	7 200	105 -	4 214 -	5 304 -	1 05 000

WRZ CODE	3300SC0002	WRZ Name	Camolin	Study Area	M	Study Group		Local Authority	Wexford

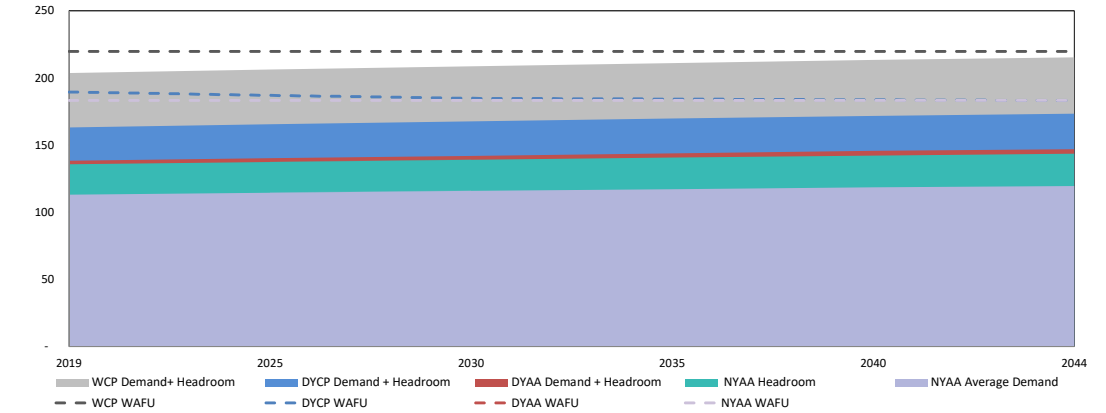
Base Demand in	2019
Domestic Demand (m³/day)	43
Non-Domestic Demand (m³/day)	24
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	44
Demand (m³/day)	113

Components of Base Demand 2019



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	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

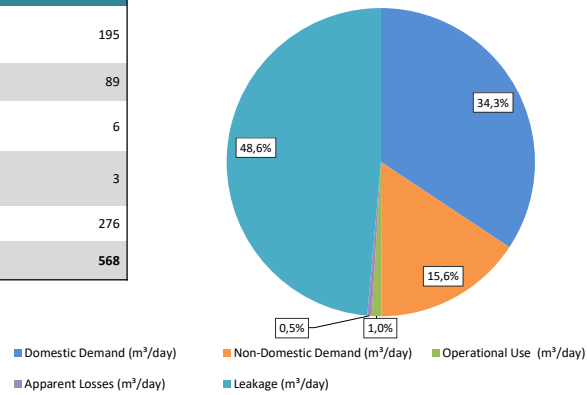
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	

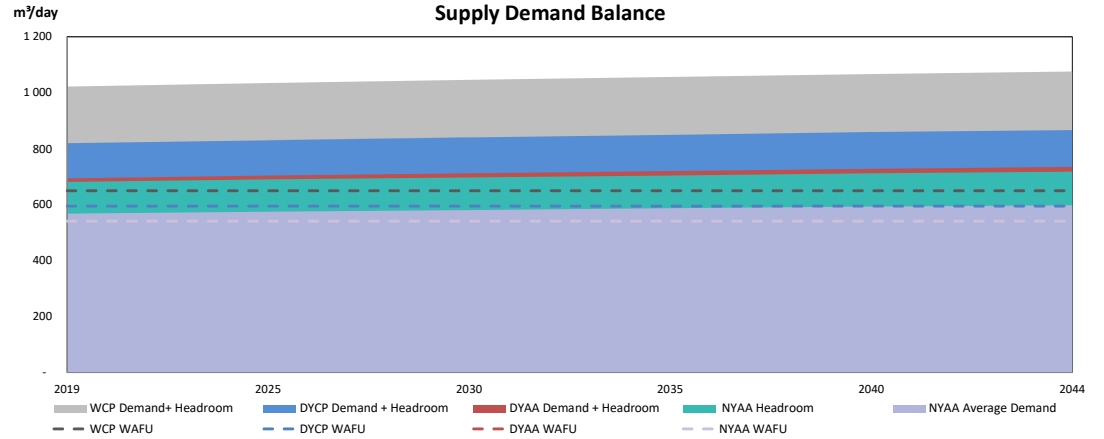
WRZ CODE	3300SC0003	WRZ Name	Ferns Regional	Study Area	M	Study Group		Local Authority	Wexford

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

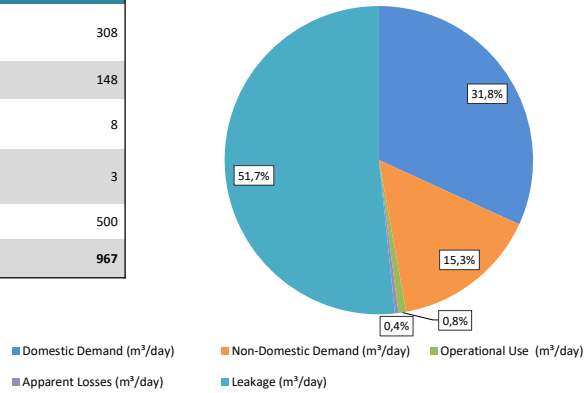
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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	

Year	WAFU				Supply Demand Balance					
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (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

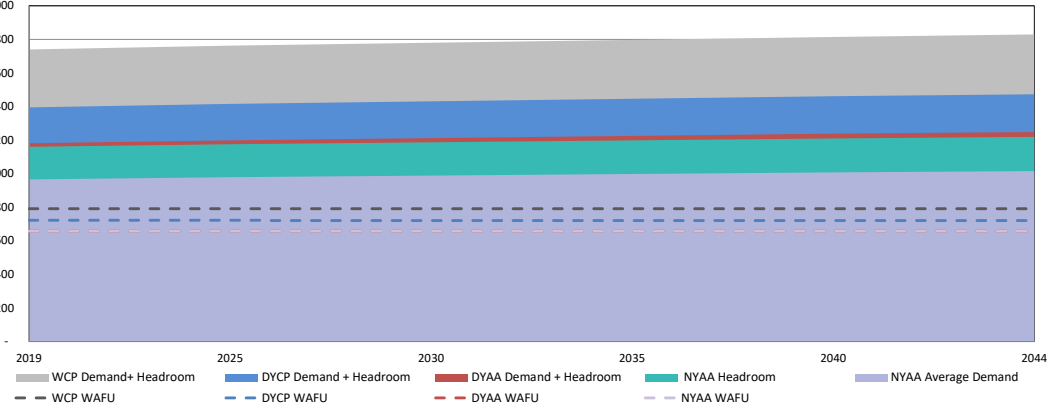
Base Demand in	2019
Domestic Demand (m³/day)	308
Non-Domestic Demand (m³/day)	148
Operational Use (m³/day)	8
Apparent Losses (m³/day)	3
Leakage (m³/day)	500
Demand (m³/day)	967

Components of Base Demand 2019



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	967	193	1 160	1 182	1 394	1 740
2025	980	196	1 176	1 199	1 415	1 764
2030	989	198	1 187	1 212	1 431	1 781
2035	999	200	1 199	1 226	1 446	1 798
2040	1 008	202	1 210	1 239	1 461	1 815
2044	1 016	203	1 219	1 248	1 474	1 829

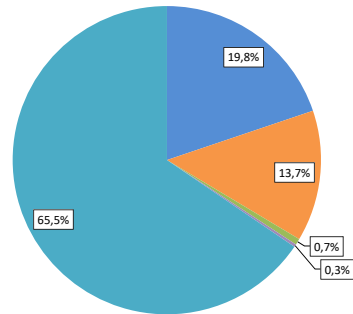
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0001127	Kilmyshall WTP	25	21	23	No Licence	18	Yield	18	-	18	
WTP0000357	Carrickduff WTP	768	640	704	No Licence	3 614	22Hr	704	-	704	

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)	
2019	659	659	723	793 -	501 -	523 -	672 -	947	
2025	658	658	722	793 -	517 -	541 -	693 -	971	
2030	658	658	722	793 -	529 -	554 -	708 -	988	
2035	658	658	722	793 -	541 -	568 -	724 -	1 005	
2040	658	658	722	793 -	552 -	581 -	739 -	1 022	
2044	658	658	722	793 -	561 -	590 -	752 -	1 036	

WRZ CODE	3300SC0011	WRZ Name	Ballindaggin	Study Area	M	Study Group		Local Authority	Wexford

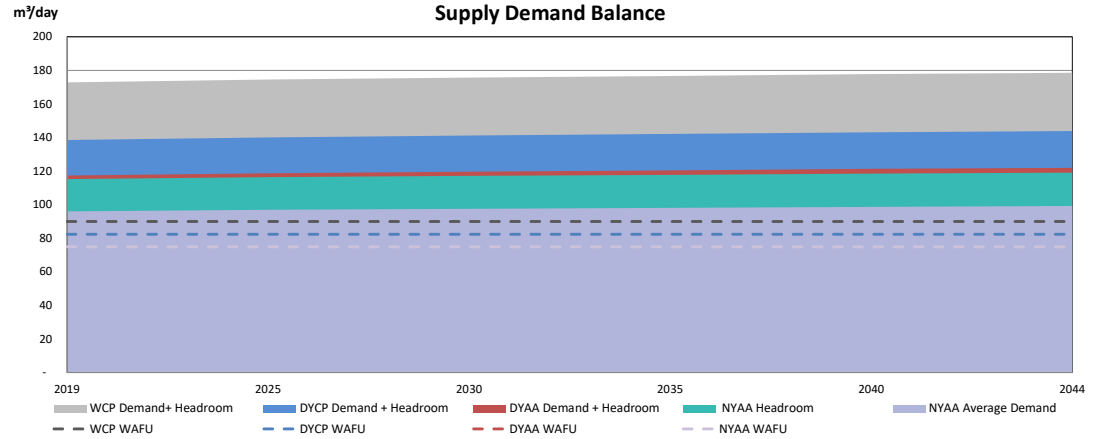
Base Demand in	2019
Domestic Demand (m³/day)	19
Non-Domestic Demand (m³/day)	13
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	63
Demand (m³/day)	96

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)

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	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

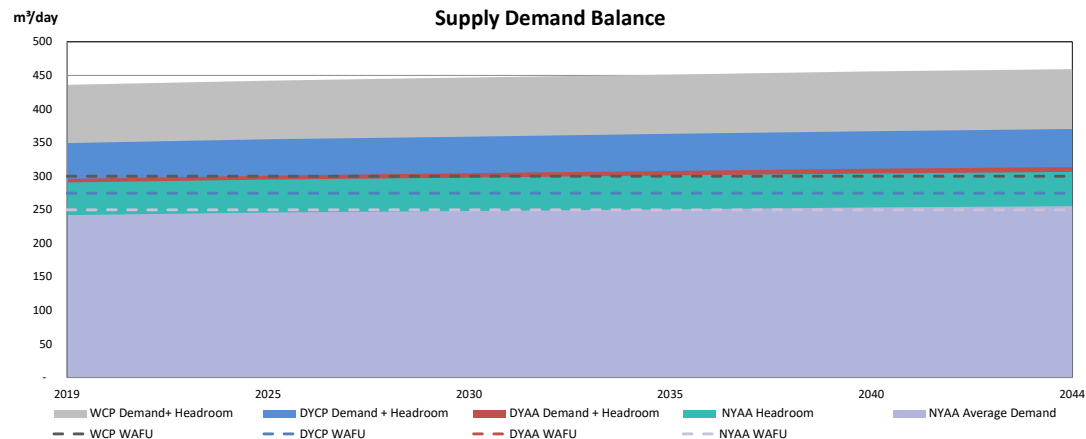
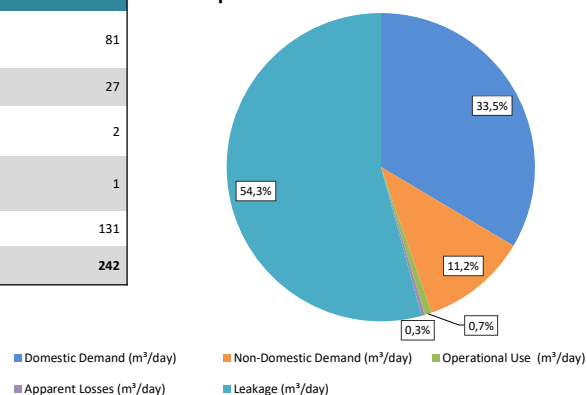
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	75	75	83	90	-	40	-	42	-
2025	75	75	83	90	-	41	-	44	-
2030	75	75	83	90	-	42	-	45	-
2035	75	75	83	90	-	43	-	45	-
2040	75	75	83	90	-	44	-	46	-
2044	75	75	83	90	-	44	-	47	-

WRZ CODE	3300SC0013	WRZ Name	Clonroche	Study Area	M	Study Group	Local Authority	Wexford

Base Demand in	2019
Domestic Demand (m³/day)	81
Non-Domestic Demand (m³/day)	27
Operational Use (m³/day)	2
Apparent Losses (m³/day)	1
Leakage (m³/day)	131
Demand (m³/day)	242

Components of Base Demand 2019



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	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

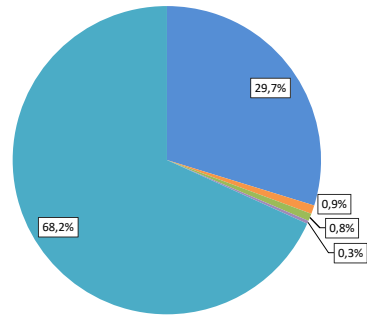
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	250	250	275	300	-	40	-	46	-	136
2025	250	250	275	300	-	45	-	51	-	142
2030	250	250	275	300	-	48	-	54	-	147
2035	250	250	275	300	-	51	-	58	-	151
2040	250	250	275	300	-	54	-	61	-	156
2044	250	250	275	300	-	56	-	64	-	159

WRZ CODE	3300SC0014	WRZ Name	Monageer	Study Area	M	Study Group	Local Authority	Wexford

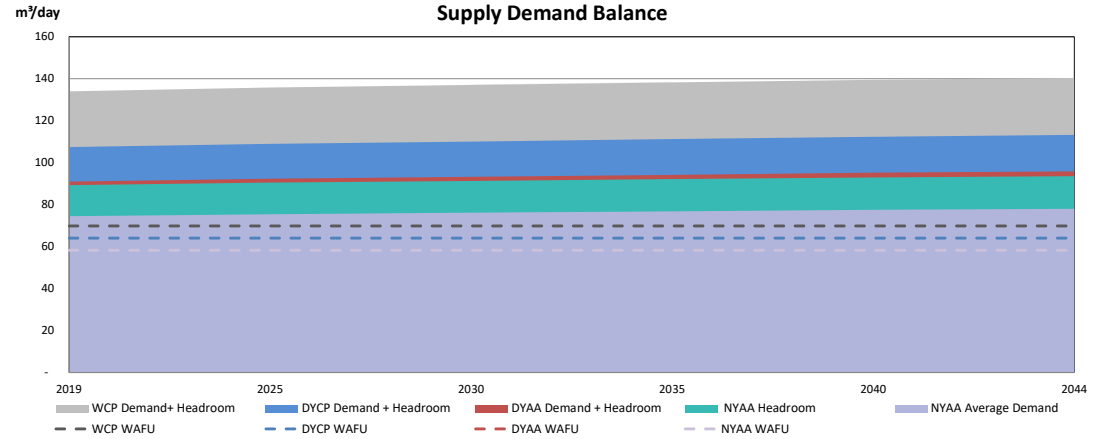
Base Demand in	2019
Domestic Demand (m ³ /day)	22
Non-Domestic Demand (m ³ /day)	1
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	51
Demand (m³/day)	74

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

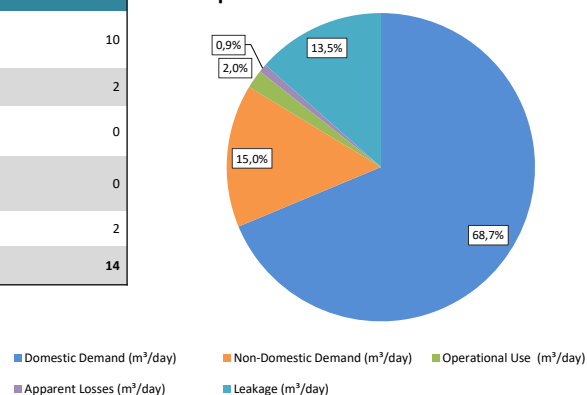
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational 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

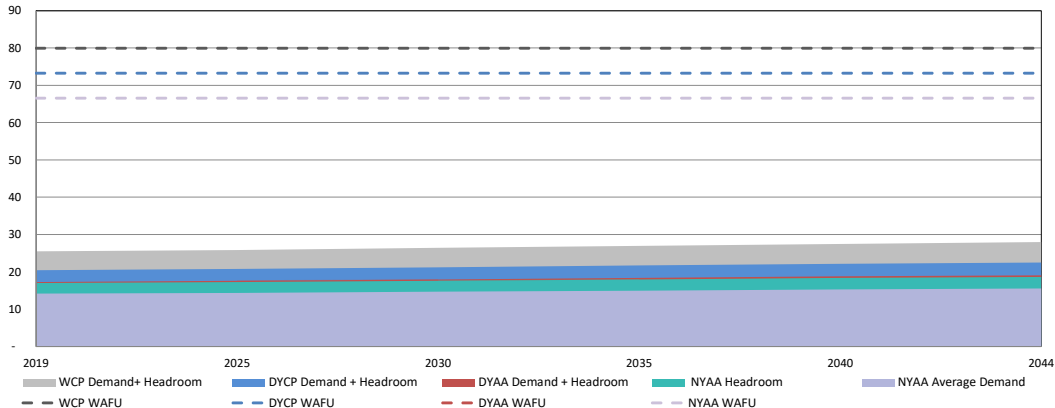
Base Demand in	2019
Domestic Demand (m³/day)	10
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	2
Demand (m³/day)	14

Components of Base Demand 2019



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	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

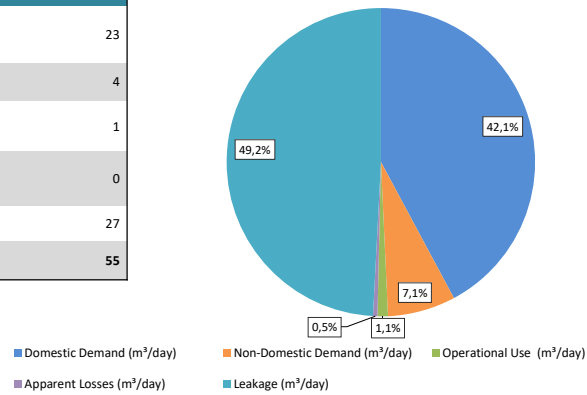
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

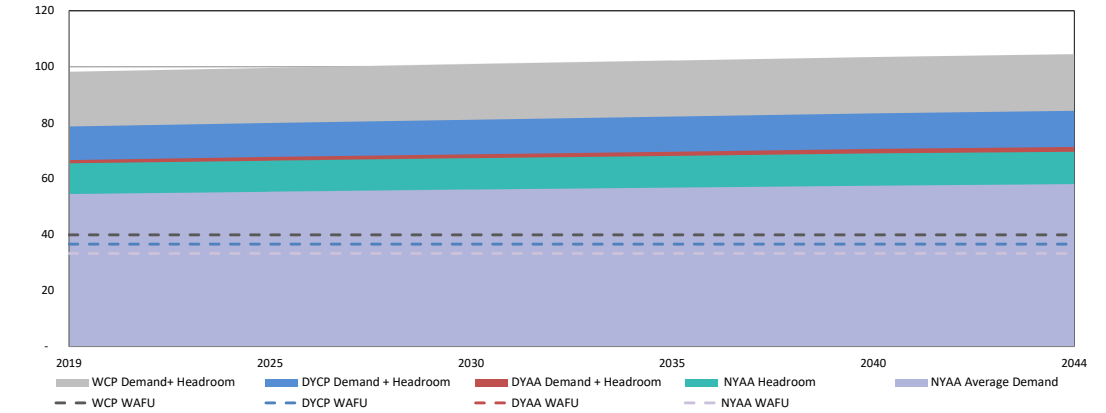
Base Demand in	2019
Domestic Demand (m ³ /day)	23
Non-Domestic Demand (m ³ /day)	4
Operational Use (m ³ /day)	1
Apparent Losses (m ³ /day)	0
Leakage (m ³ /day)	27
Demand (m³/day)	55

Components of Base Demand 2019



m³/day

Supply Demand Balance



Projected Demands 2019 to 2044						
Year	Average Demand (m 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

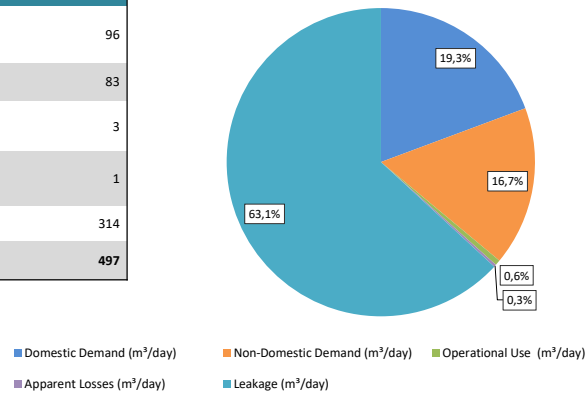
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m ³ /day) WCP	20Hr. Capacity (m ³ /day) NYAA & DYAA	22Hr. Capacity (m ³ /day) DYCP	Abstraction Licence (m ³ /day)	1/50yr Yield (m ³ /day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m ³ /day) DYCP	Operational Comments from Drought 2018
WTP0000460	Glynn WTP	40	33	37	No Licence	38	22Hr	37	-	37	
TOTAL		40	33	37	-	38		37	-	37	

Year	WAFU				Supply Demand Balance				
	NYAA (m ³ /day)	DYAA (m ³ /day)	DYCP (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	3300SC0022	WRZ Name	Carrigbyrne	Study Area	M	Study Group	Local Authority	Wexford

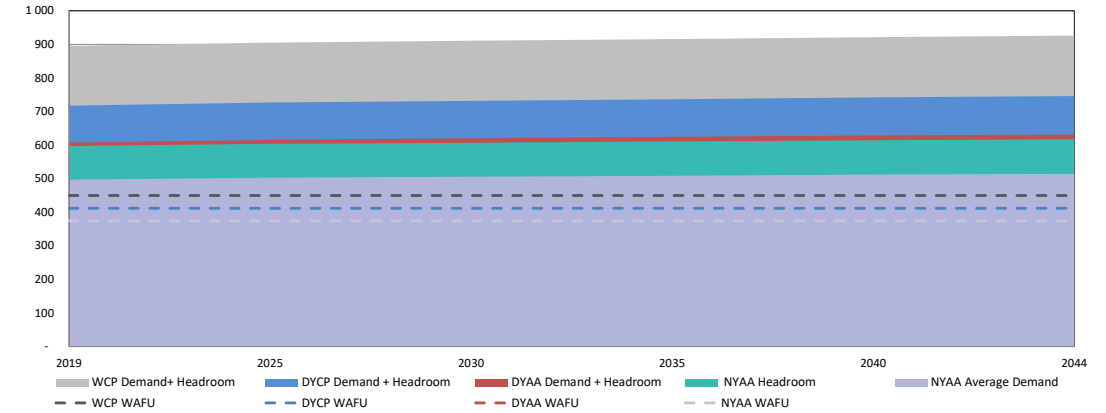
Base Demand in	2019
Domestic Demand (m³/day)	96
Non-Domestic Demand (m³/day)	83
Operational Use (m³/day)	3
Apparent Losses (m³/day)	1
Leakage (m³/day)	314
Demand (m³/day)	497

Components of Base Demand 2019



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	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

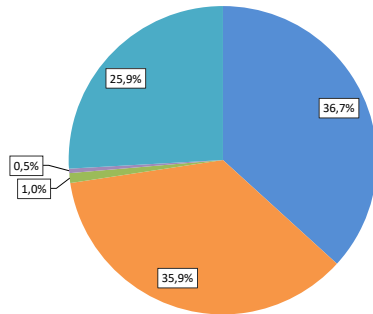
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	375	375	413	450	222	233	305	445		
2025	375	375	413	450	229	241	314	455		
2030	375	375	413	450	232	245	319	461		
2035	375	375	413	450	236	250	324	466		
2040	375	375	413	450	239	254	330	472		
2044	375	375	413	450	242	257	334	476		

WRZ CODE	3300SC0023	WRZ Name	Enniscorthy	Study Area	M	Study Group		Local Authority	Wexford

Base Demand in	2019
Domestic Demand (m³/day)	1 577
Non-Domestic Demand (m³/day)	1 540
Operational Use (m³/day)	45
Apparent Losses (m³/day)	20
Leakage (m³/day)	1 111
Demand (m³/day)	4 292

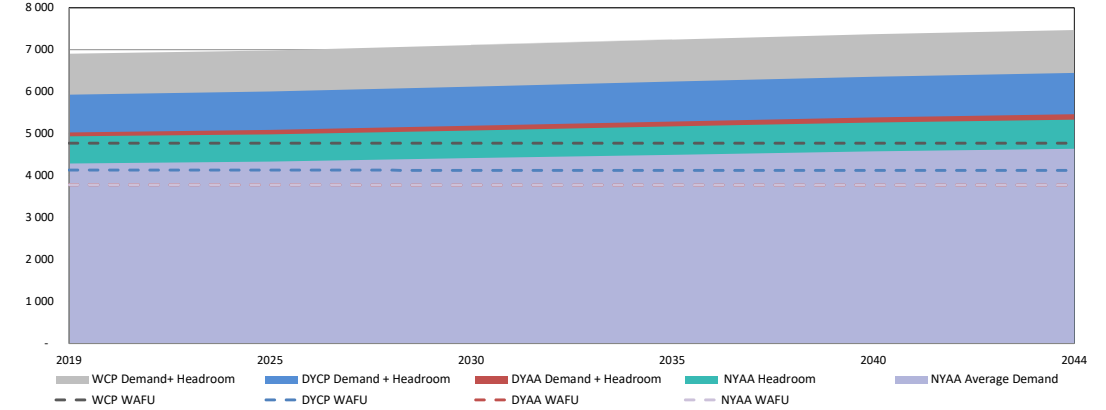
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

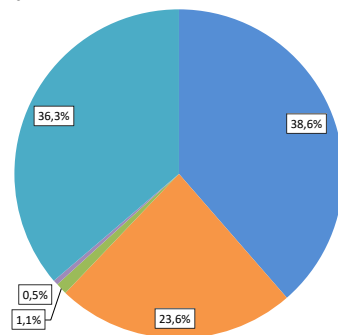
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000382	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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	3 788	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

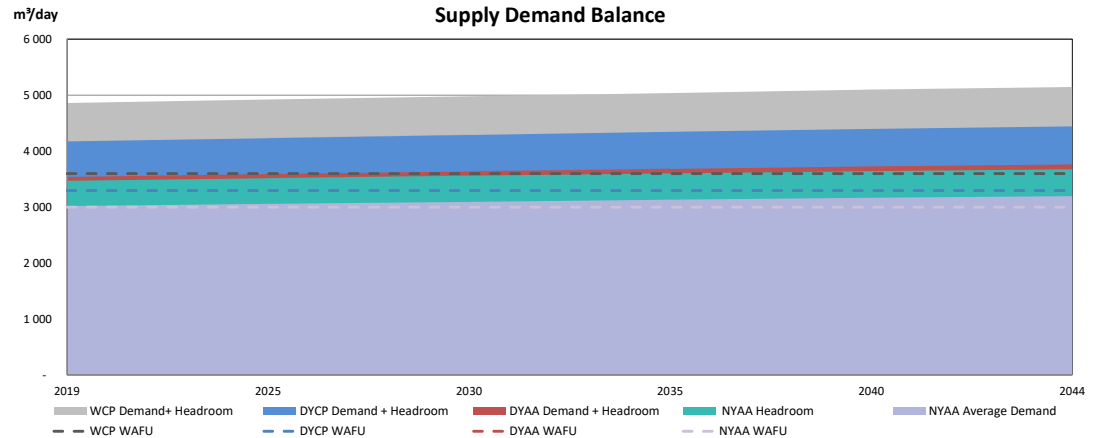
Base Demand in	2019
Domestic Demand (m³/day)	1 165
Non-Domestic Demand (m³/day)	711
Operational Use (m³/day)	34
Apparent Losses (m³/day)	15
Leakage (m³/day)	1 095
Demand (m³/day)	3 019

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	3 000	3 000	3 300	3 600	472	537	873	1 261		
2025	3 000	3 000	3 300	3 600	517	588	933	1 323		
2030	3 000	3 000	3 300	3 600	558	634	988	1 382		
2035	3 000	3 000	3 300	3 600	600	681	1 043	1 440		
2040	3 000	3 000	3 300	3 600	641	728	1 098	1 498		
2044	3 000	3 000	3 300	3 600	674	762	1 142	1 544		

WRZ CODE	3300SC0031	WRZ Name	South East Wexford (Incl.	Study Area	M	Study Group		Local Authority	Wexford

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

2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom DYCP Demand + Headroom DYAA Demand + Headroom NYAA Headroom NYAA Average Demand

WCP WAFU DYCP WAFU DYAA WAFU NYAA WAFU

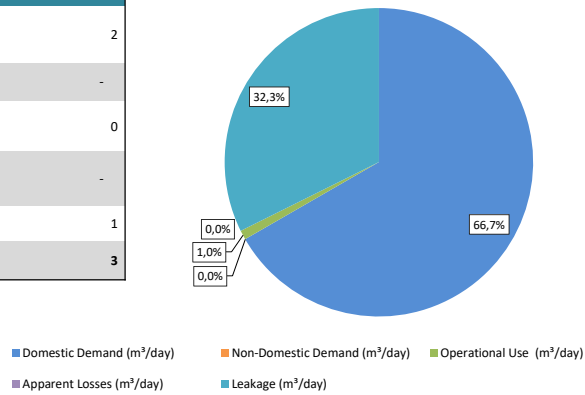
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Year	WAFU				Supply Demand Balance			
	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	13 600	13 453	14 211	28 000 -	13 462 -	14 116 -	18 318 -	7 181
2025	13 504	13 374	14 132	28 000 -	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	3300SC0066	WRZ Name	Raheen	Study Area	M	Study Group		Local Authority	Wexford

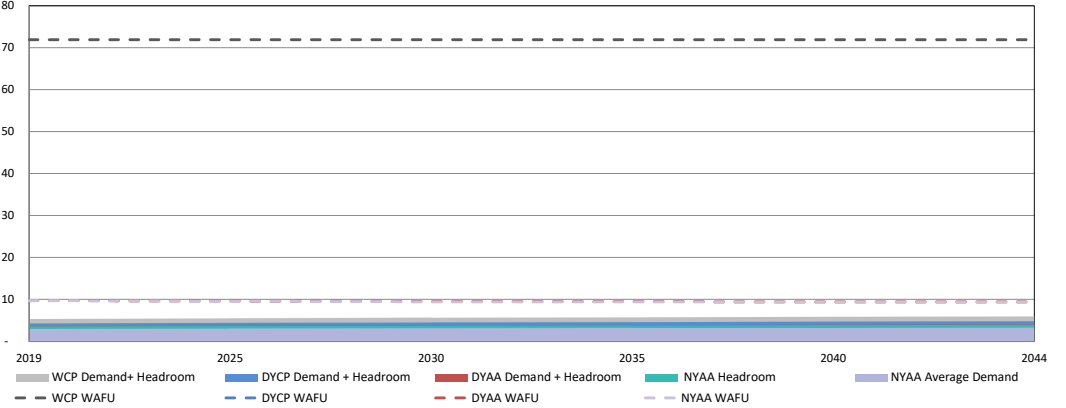
Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	1
Demand (m³/day)	3

Components of Base Demand 2019



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	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

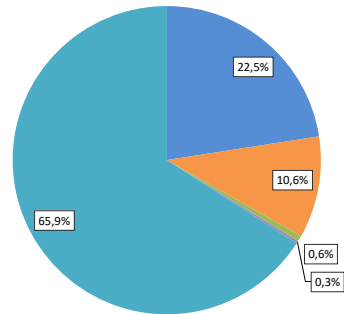
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

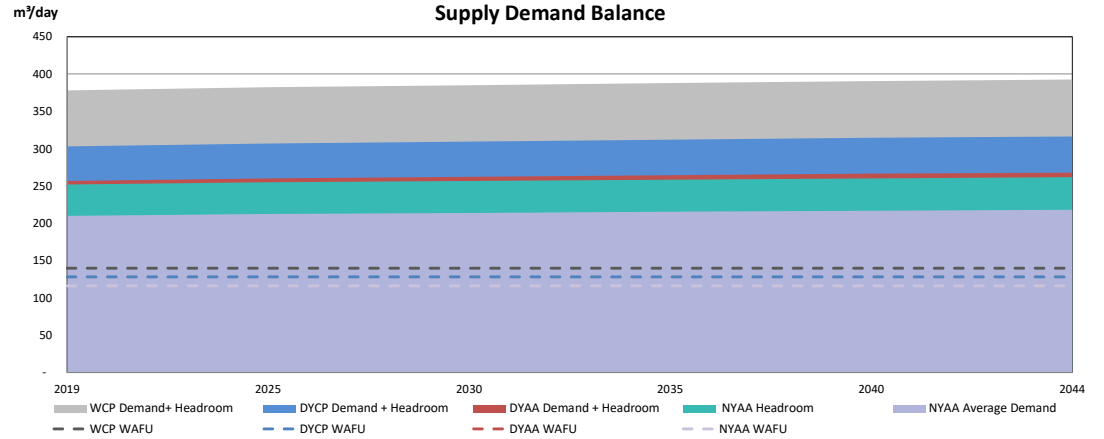
Base Demand in	2019
Domestic Demand (m³/day)	47
Non-Domestic Demand (m³/day)	22
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	138
Demand (m³/day)	210

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)

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	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

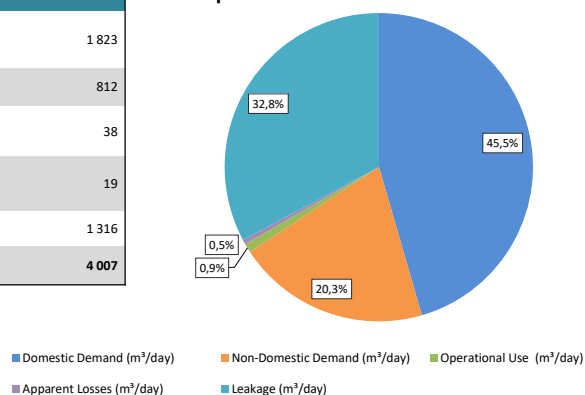
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	117	117	128	140	-	135	-	140	-	238
2025	117	117	128	140	-	138	-	144	-	243
2030	117	117	128	140	-	140	-	146	-	245
2035	117	117	128	140	-	142	-	148	-	248
2040	117	117	128	140	-	144	-	150	-	251
2044	117	117	128	140	-	145	-	151	-	253

WRZ CODE	3400SC0001	WRZ Name	Arklow Public Supply	Study Area	1	Study Group		Local Authority	Wicklow

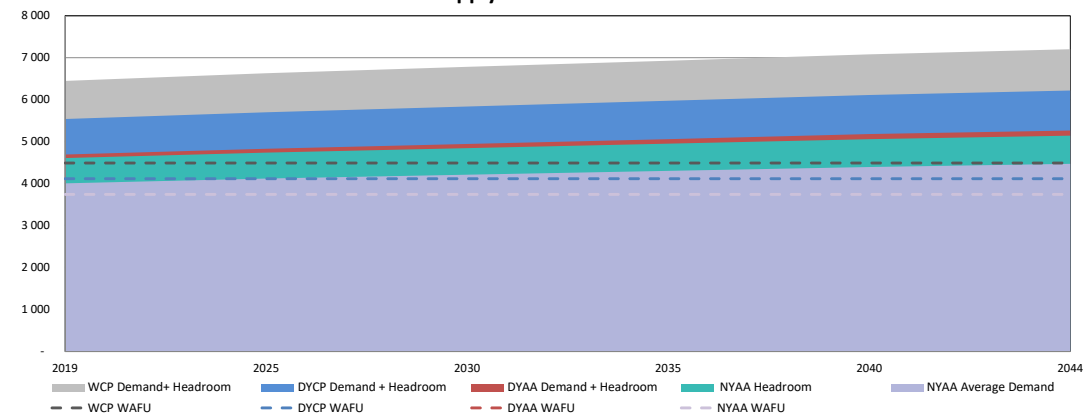
Base Demand in	2019
Domestic Demand (m³/day)	1 823
Non-Domestic Demand (m³/day)	812
Operational Use (m³/day)	38
Apparent Losses (m³/day)	19
Leakage (m³/day)	1 316
Demand (m³/day)	4 007

Components of Base Demand 2019



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	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 (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)		
2019	3 750	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

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

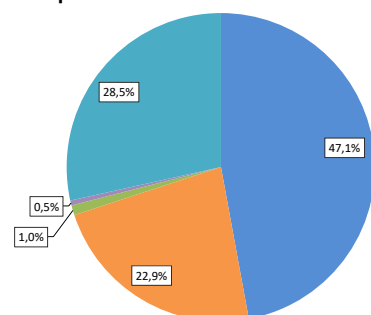
Water Available for Use in 2044 DYCP

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)	
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	3400SC0003	WRZ Name	Baltinglass Public Supply	Study Area	2	Study Group		Local Authority	Wicklow

Base Demand in	2019
Domestic Demand (m³/day)	323
Non-Domestic Demand (m³/day)	157
Operational Use (m³/day)	7
Apparent Losses (m³/day)	4
Leakage (m³/day)	195
Demand (m³/day)	685

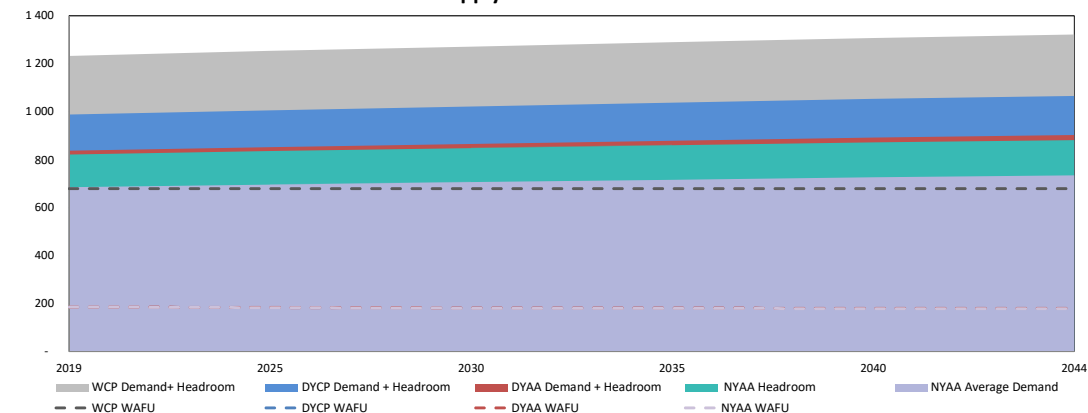
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	685	137	822	837	988	1 233
2025	697	139	836	853	1 006	1 254
2030	707	141	848	866	1 022	1 272
2035	717	143	860	879	1 038	1 290
2040	727	145	872	893	1 053	1 308
2044	735	147	882	903	1 066	1 322

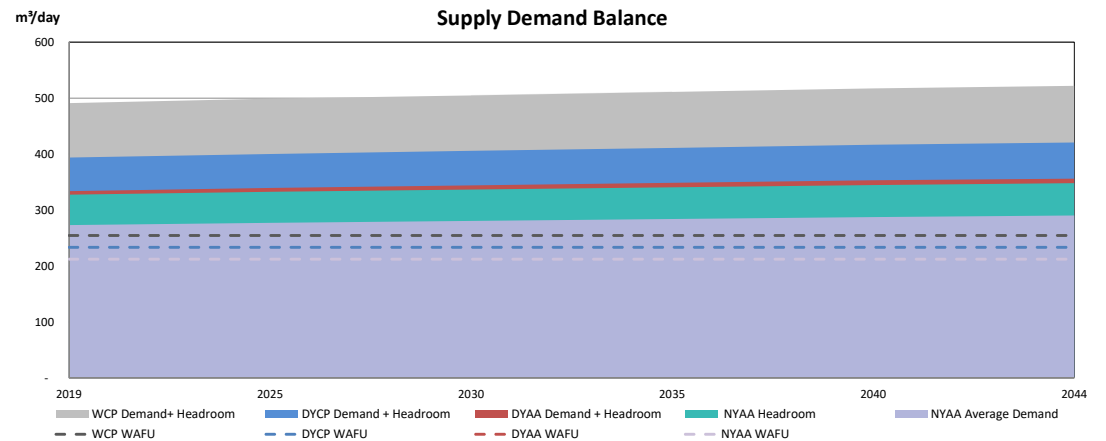
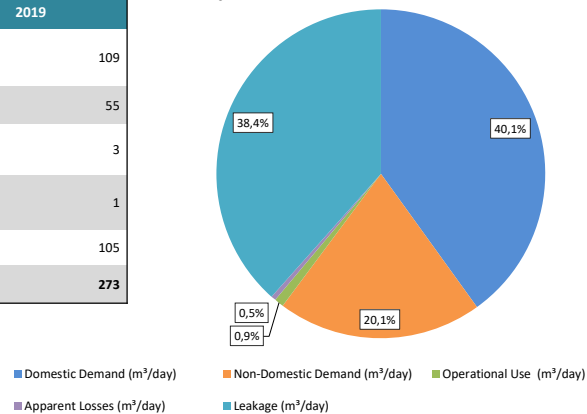
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000341	Baltinglass WTP	680	567	623	No Licence	182	Yield	180	-	180	
TOTAL		680	567	623	-	182		180	-	180	

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)	
2019	186	187	187	680	636	651	801	553	
2025	183	184	184	680	653	669	822	574	
2030	181	182	182	680	667	684	840	592	
2035	180	182	182	680	680	698	856	610	
2040	180	181	181	680	693	712	872	628	
2044	179	180	180	680	703	722	885	642	

WRZ CODE	3400SC0004	WRZ Name	Dunlavin Public Supply	Study Area	2	Study Group		Local Authority	Wicklow

Base Demand in	2019
Domestic Demand (m³/day)	109
Non-Domestic Demand (m³/day)	55
Operational Use (m³/day)	3
Apparent Losses (m³/day)	1
Leakage (m³/day)	105
Demand (m³/day)	273

Components of Base Demand 2019



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	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

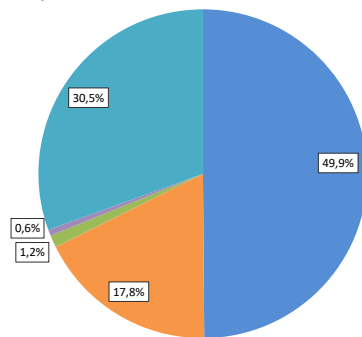
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000377	Dunlavin WTP	255	213	234	No Licence	244	22Hr	234	-	234	

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)		
2019	213	213	234	255	115	121	160	236		
2025	213	213	234	255	120	127	167	244		
2030	213	213	234	255	124	131	172	250		
2035	213	213	234	255	128	136	177	256		
2040	213	213	234	255	132	141	183	262		
2044	213	213	234	255	136	144	187	267		

WRZ CODE	3400SC0006	WRZ Name	Aughrim Annacurra Public Supply	Study Area	1	Study Group		Local Authority	Wicklow

Base Demand in	2019
Domestic Demand (m³/day)	192
Non-Domestic Demand (m³/day)	68
Operational Use (m³/day)	5
Apparent Losses (m³/day)	2
Leakage (m³/day)	117
Demand (m³/day)	384

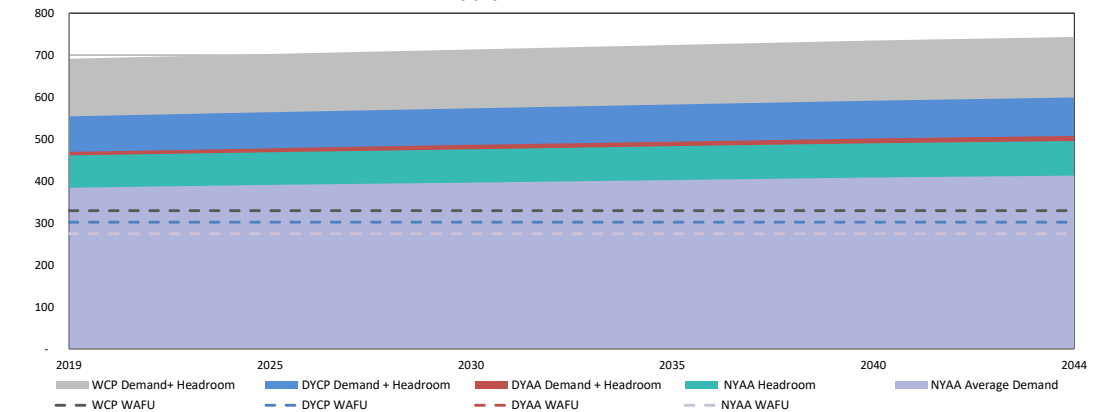
Components of Base Demand 2019



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

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	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

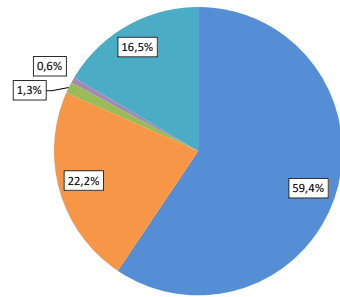
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000054	Aughrim / Annacurragh WTP	330	275	303	No Licence	314	22Hr	303	-	303	

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)		
2019	275	275	303	330	186	195	252	362		
2025	275	275	303	330	194	203	262	373		
2030	275	275	303	330	201	211	271	384		
2035	275	275	303	330	208	219	280	394		
2040	275	275	303	330	215	227	289	405		
2044	275	275	303	330	221	233	297	414		

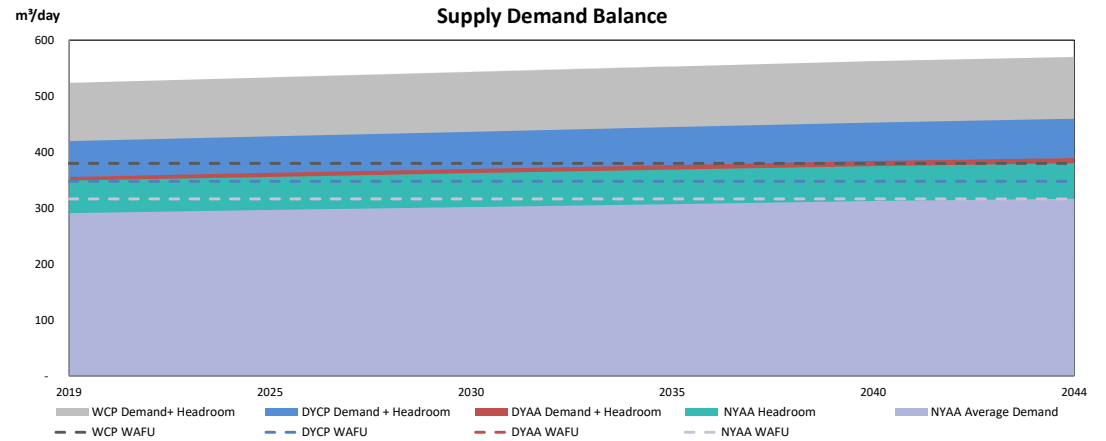
WRZ CODE	3400SC0007	WRZ Name	Avoca Ballinaclash Public Supply	Study Area	1	Study Group		Local Authority	Wicklow

Base Demand in	2019
Domestic Demand (m³/day)	173
Non-Domestic Demand (m³/day)	65
Operational Use (m³/day)	4
Apparent Losses (m³/day)	2
Leakage (m³/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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

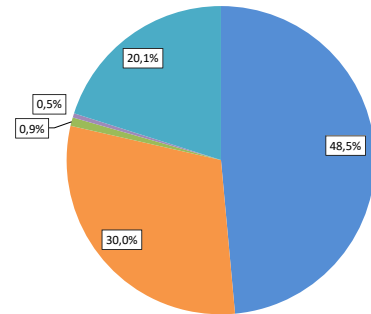
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP1000117	Avoca Ballinaclash WTP	380	317	348	No Licence	16 160	22Hr	348	-	348	

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)		
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

Base Demand in	2019
Domestic Demand (m³/day)	58
Non-Domestic Demand (m³/day)	36
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	24
Demand (m³/day)	119

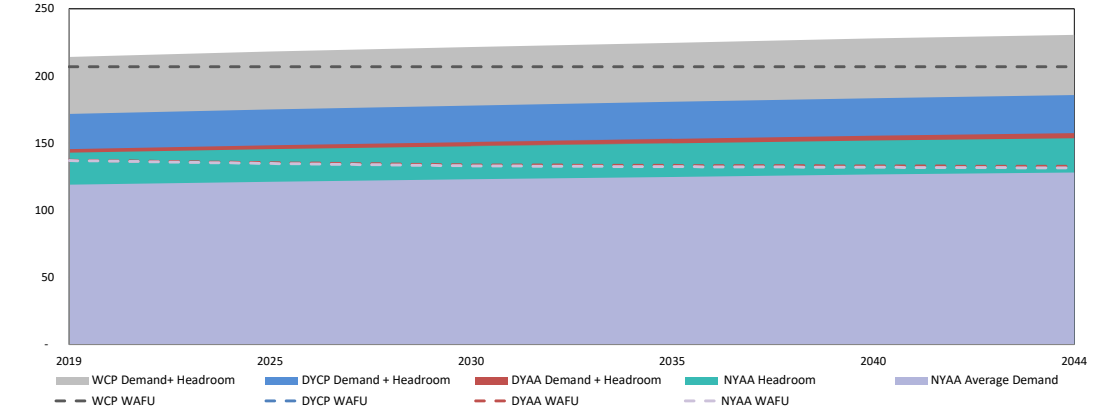
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

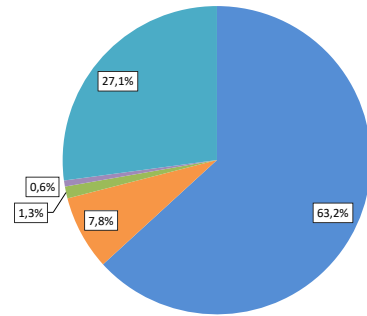
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	137	137	137	207	6	8	34		
2025	135	136	136	207	11	13	40	1	
2030	133	134	134	207	15	17	44	1	
2035	133	134	134	207	17	20	47	1	
2040	132	133	133	207	20	22	50	2	
2044	132	133	133	207	22	25	53	2	

WRZ CODE	3400SC0010	WRZ Name	Coolboy Coolafancy Public	Study Area	M	Study Group	Local Authority	Wicklow

Base Demand in	2019
Domestic Demand (m³/day)	60
Non-Domestic Demand (m³/day)	7
Operational Use (m³/day)	1
Apparent Losses (m³/day)	1
Leakage (m³/day)	26
Demand (m³/day)	95

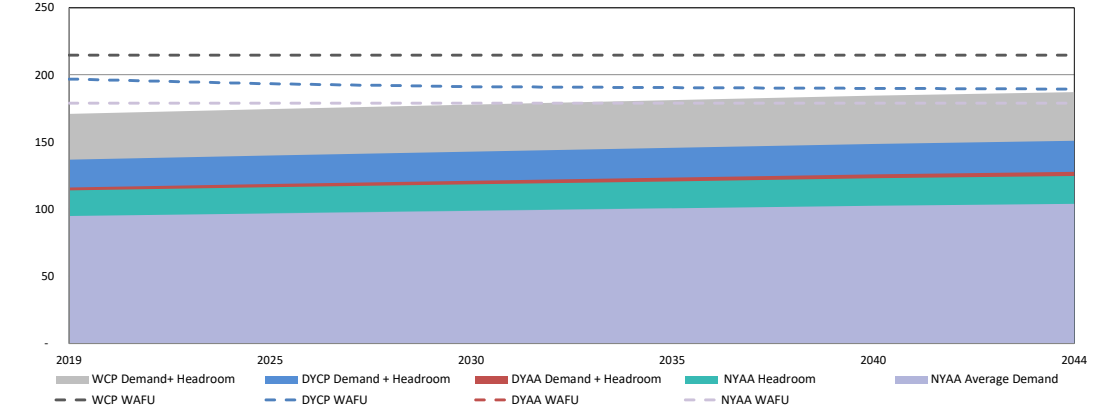
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

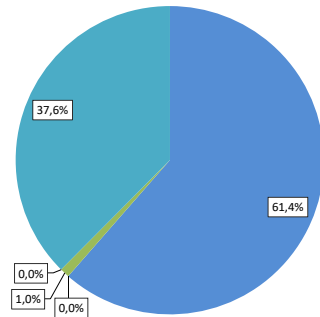
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	3400SC0013	WRZ Name	Raheengraney Public Supply	Study Area	M	Study Group		Local Authority	Wicklow

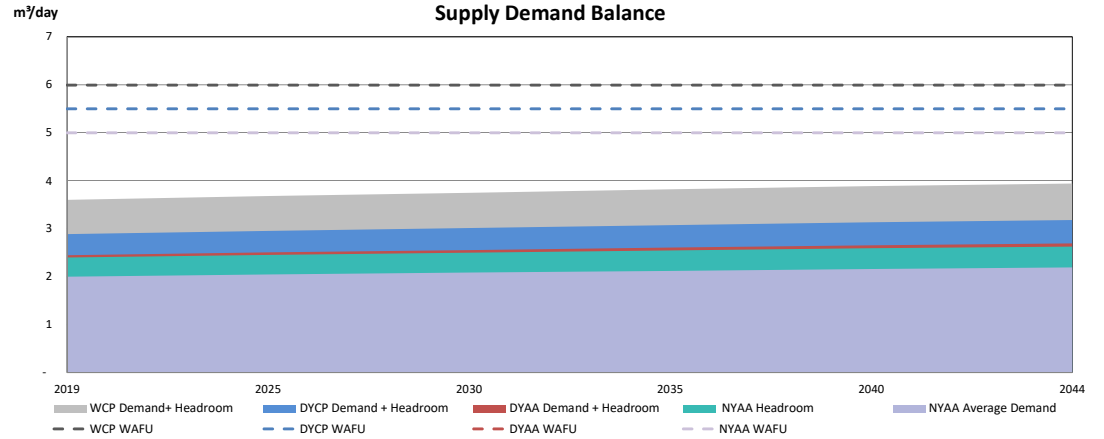
Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	1
Demand (m³/day)	2

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

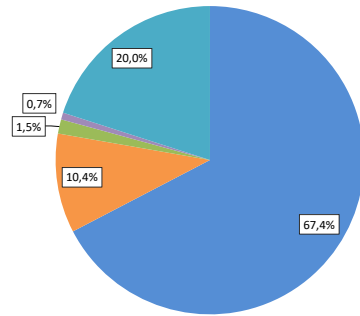
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

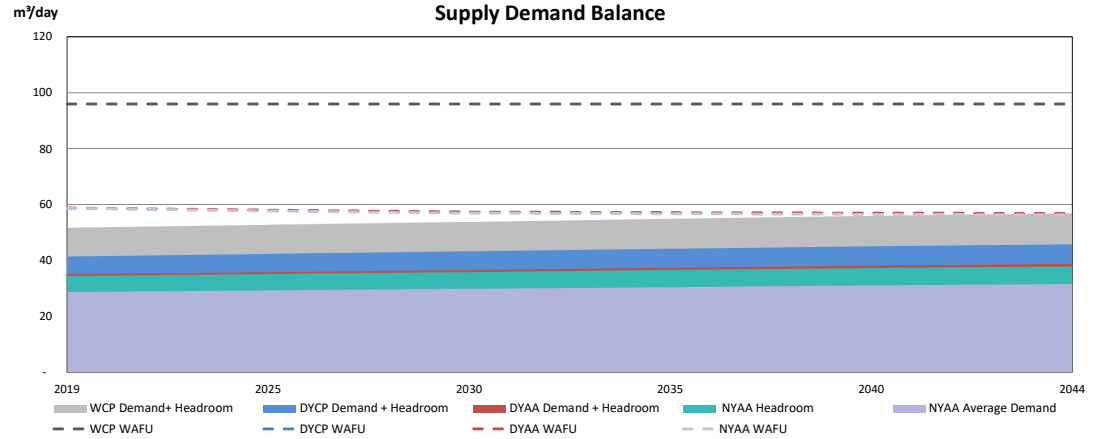
Base Demand in	2019
Domestic Demand (m³/day)	19
Non-Domestic Demand (m³/day)	3
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	6
Demand (m³/day)	29

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

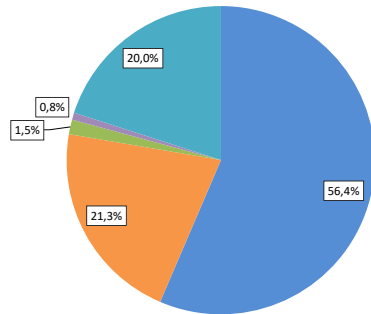
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	20
Non-Domestic Demand (m³/day)	8
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	7
Demand (m³/day)	36

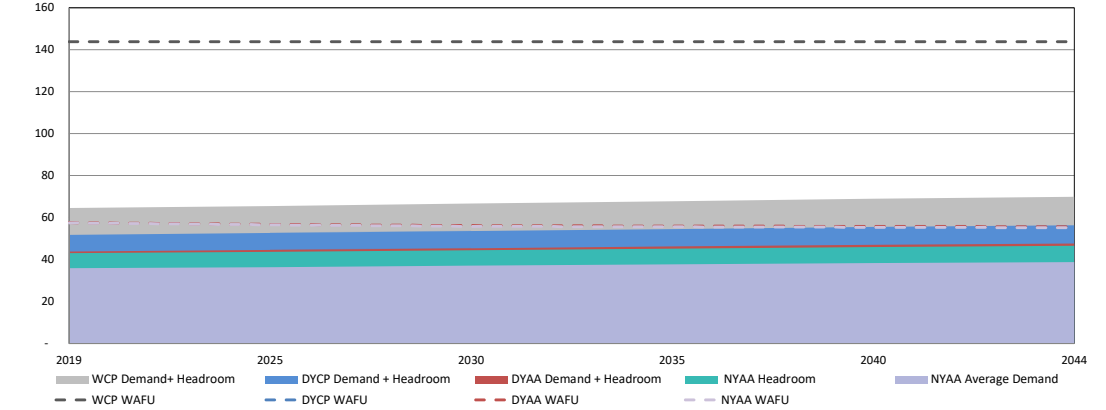
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

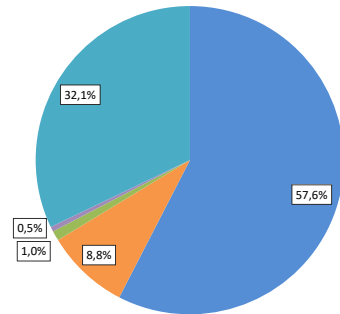
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Base Demand in	2019
Domestic Demand (m³/day)	41
Non-Domestic Demand (m³/day)	6
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	23
Demand (m³/day)	72

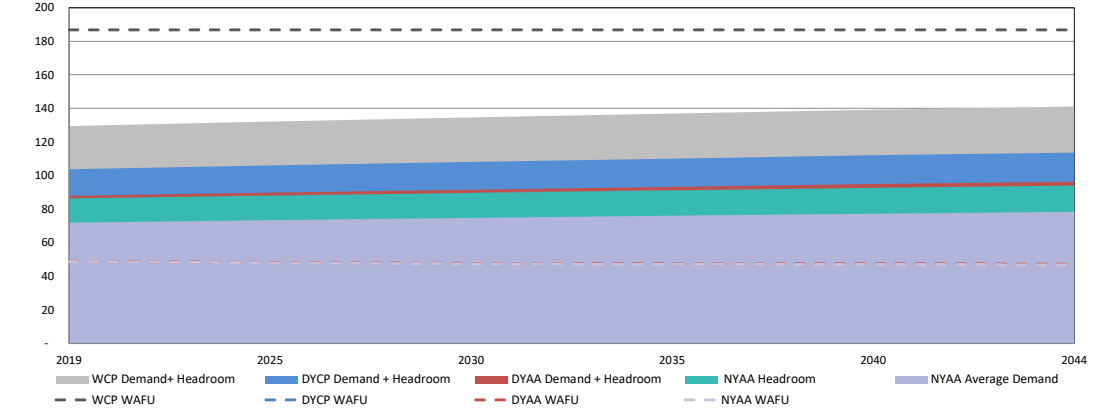
Components of Base Demand 2019



■ 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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

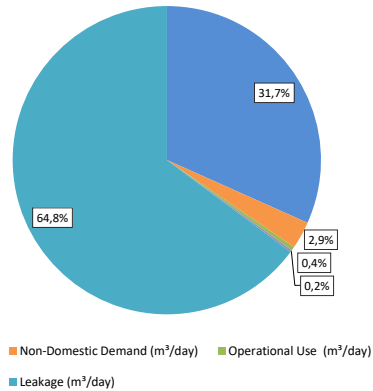
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

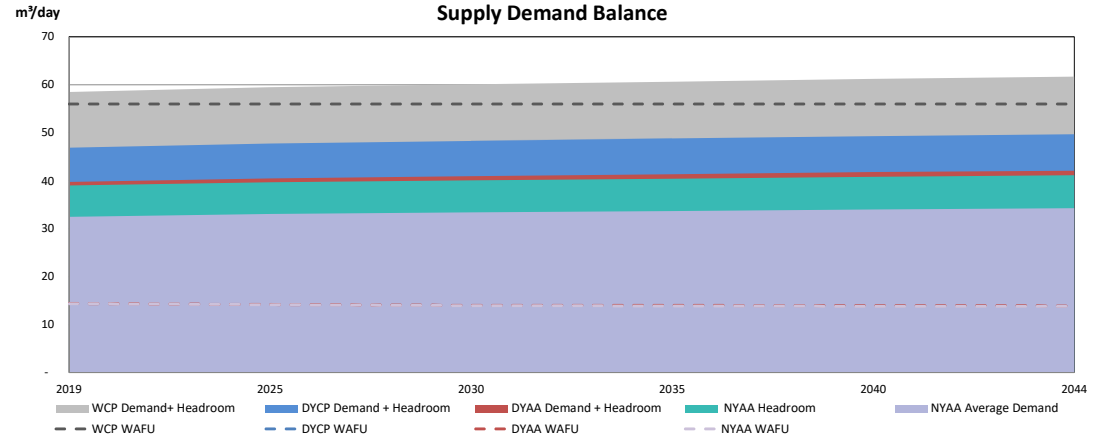
WRZ CODE	3400SC0018	WRZ Name	Ballycoog Public Supply	Study Area	1	Study Group		Local Authority	Wicklow

Base Demand in	2019
Domestic Demand (m³/day)	10
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	21
Demand (m³/day)	32

Components of Base Demand 2019



Supply Demand Balance



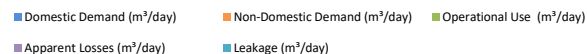
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	32	6	39	40	47	58
2025	33	7	40	40	48	60
2030	33	7	40	41	48	60
2035	34	7	40	41	49	61
2040	34	7	41	42	49	61
2044	34	7	41	42	50	62

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

Components of Base Demand 2019



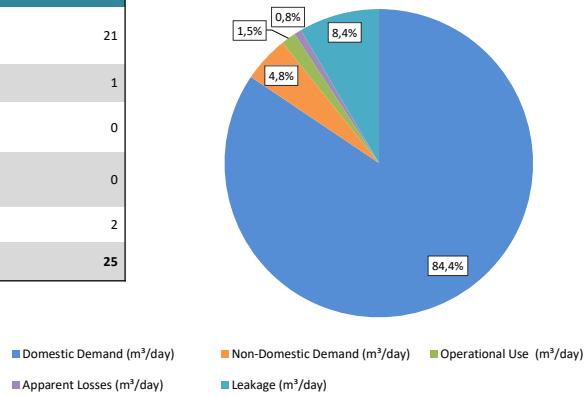
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	12	2	14	14	17	2
2025	12	2	14	15	17	2
2030	12	2	15	15	18	2
2035	12	2	15	15	18	2
2040	13	3	15	16	18	2
2044	13	3	15	16	19	2

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)	
2019	15	15	15	79	1	0	2	5	
2025	14	15	15	79	0	0	3	5	
2030	14	14	14	79 -	0 -	1 -	3	5	
2035	14	14	14	79 -	1 -	1 -	4	5	
2040	14	14	14	79 -	1 -	1 -	4	5	
2044	14	14	14	79 -	1 -	2 -	4	5	

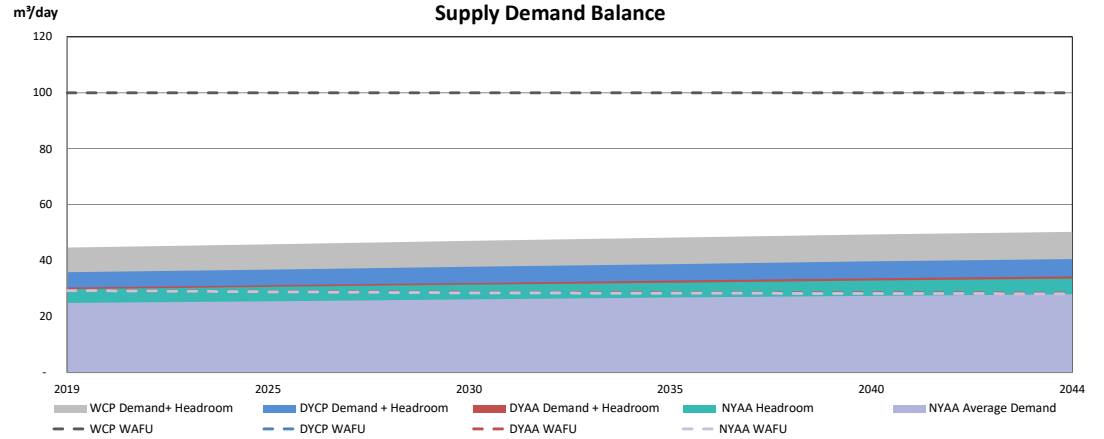
WRZ CODE	3400SC0020	WRZ Name	Thomastown Public Supply	Study Area	1	Study Group		Local Authority	Wicklow

Base Demand in	2019
Domestic Demand (m³/day)	21
Non-Domestic Demand (m³/day)	1
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	2
Demand (m³/day)	25

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	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

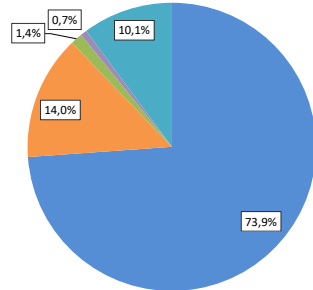
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	
2019	29	29	29	100 -	0 -	1 -	6	5	
2025	29	29	29	100 -	2 -	2 -	8	5	
2030	29	29	29	100 -	3 -	3 -	9	5	
2035	28	29	29	100 -	4 -	4 -	10	5	
2040	28	29	29	100 -	5 -	5 -	11	5	
2044	28	28	28	100 -	5 -	6 -	12		

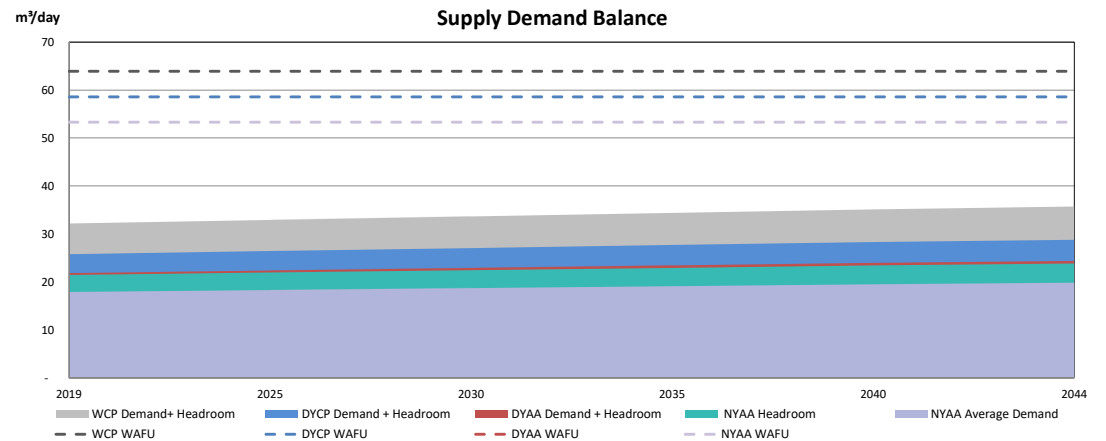
WRZ CODE	3400SC0021	WRZ Name	Kirikee Public Supply	Study Area	1	Study Group		Local Authority	Wicklow

Base Demand in	2019
Domestic Demand (m³/day)	13
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

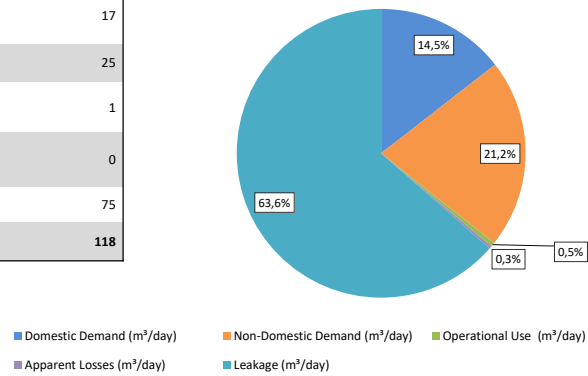
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0001143	Kirikee WTP	64	53	59	No Licence	1 214	22Hr	59	-	59	

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)		
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

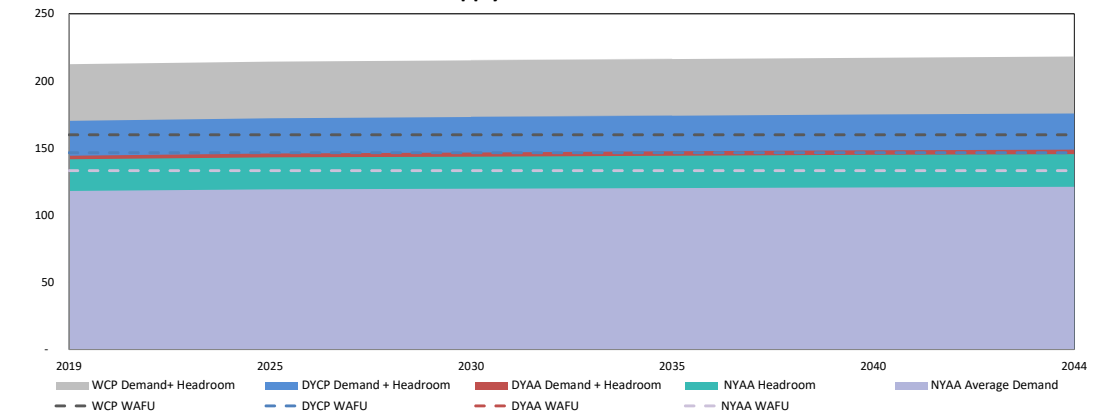
Base Demand in	2019
Domestic Demand (m³/day)	17
Non-Domestic Demand (m³/day)	25
Operational Use (m³/day)	1
Apparent Losses (m³/day)	0
Leakage (m³/day)	75
Demand (m³/day)	118

Components of Base Demand 2019



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	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

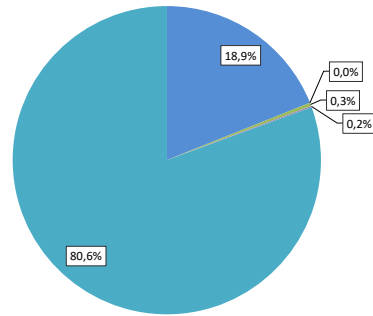
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
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 (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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	Ballinteskin Public Supply	Study Area	1	Study Group		Local Authority	Wicklow

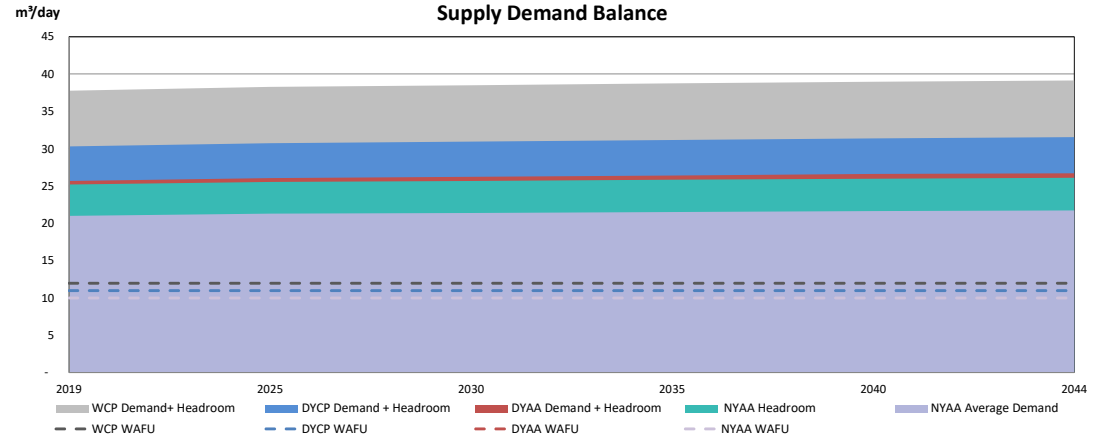
Base Demand in	2019
Domestic Demand (m³/day)	4
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	17
Demand (m³/day)	21

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

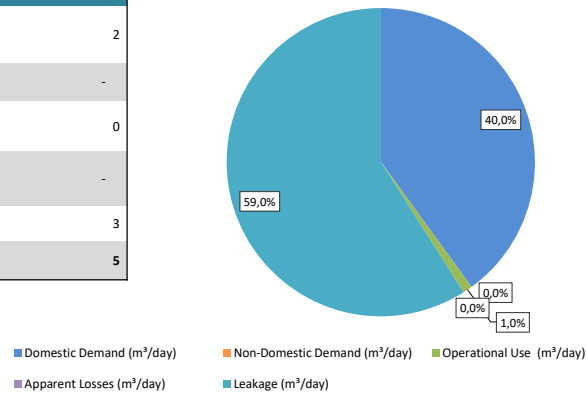
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000087	Ballinteskin WTP	12	10	11	No Licence	11	22Hr	11	-	11	
TOTAL		12	10	11	-	11		11	-	11	

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)		
2019	10	10	11	12 -	15 -	16 -	19 -	20 -		
2025	10	10	11	12 -	16 -	16 -	20 -	20 -		
2030	10	10	11	12 -	16 -	16 -	20 -	20 -		
2035	10	10	11	12 -	16 -	16 -	20 -	20 -		
2040	10	10	11	12 -	16 -	17 -	20 -	20 -		
2044	10	10	11	12 -	16 -	17 -	21 -	21 -		

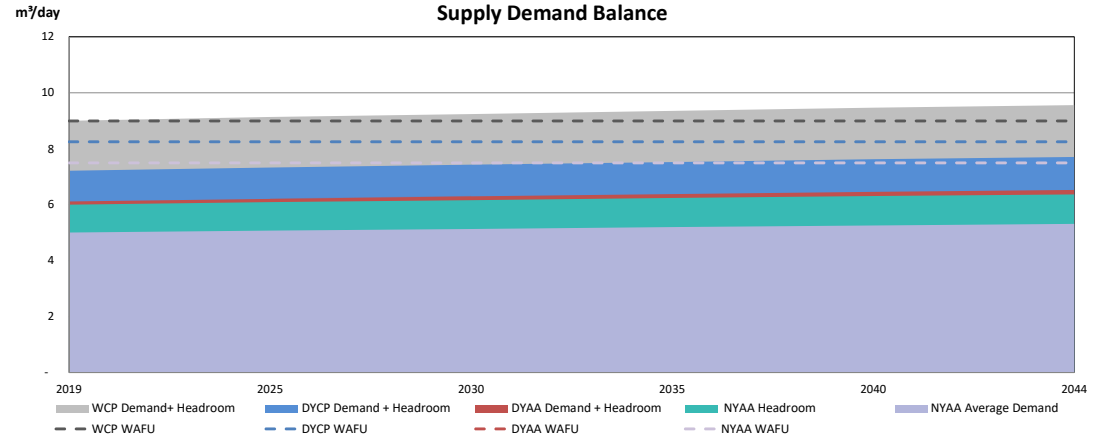
WRZ CODE	3400SC0030	WRZ Name	Killavaney Public Supply	Study Area	1	Study Group		Local Authority	Wicklow

Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	3
Demand (m³/day)	5

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	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

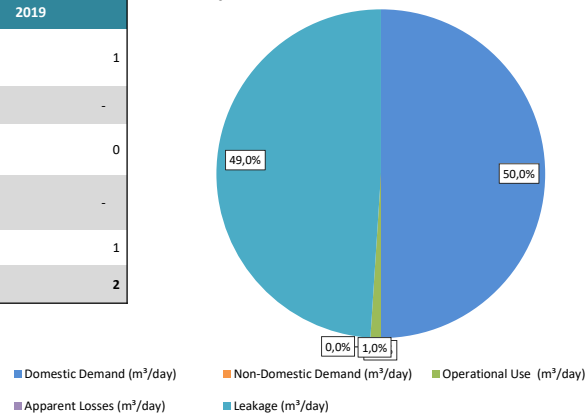
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0001080	Killavaney WTP	9	8	8	No Licence	9	22Hr	8	-	8	
TOTAL		9	8	8	-	9		8	-	8	

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)
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

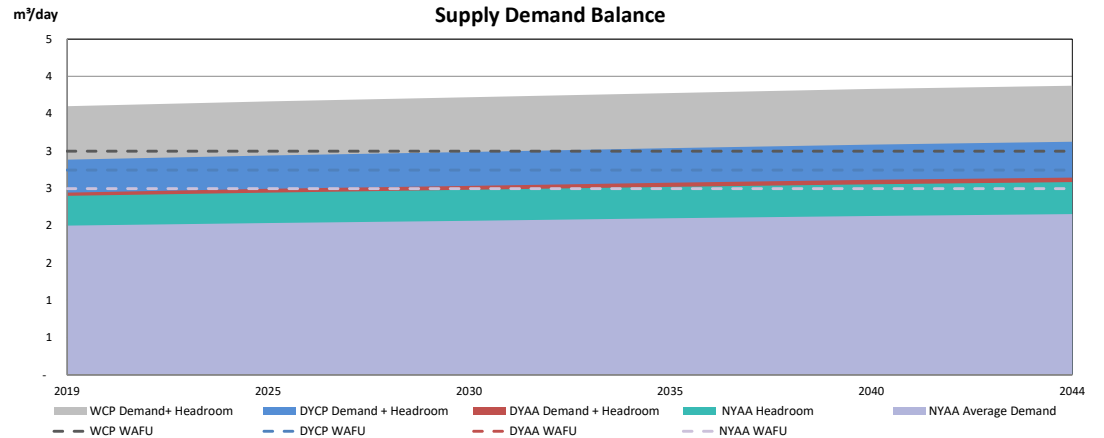
WRZ CODE	3400SC0031	WRZ Name	Ballyclogh Public Supply	Study Area	1	Study Group		Local Authority	Wicklow

Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	1
Demand (m³/day)	2

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	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

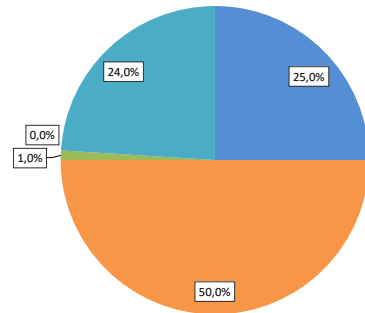
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
	</										

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)
2019		3		3		3		3		0		0 -		0 -	
2025		3		3		3		3		0		0 -		0 -	
2030		3		3		3		3		0 -		0 -		0 -	
2035		3		3		3		3 -		0 -		0 -		0 -	
2040		3		3		3		3 -		0 -		0 -		0 -	
2044		3		3		3		3 -		0 -		0 -		0 -	

WRZ CODE	3400SC0032	WRZ Name	Killavaney Public Supply	Study Area	1	Study Group		Local Authority	Wicklow

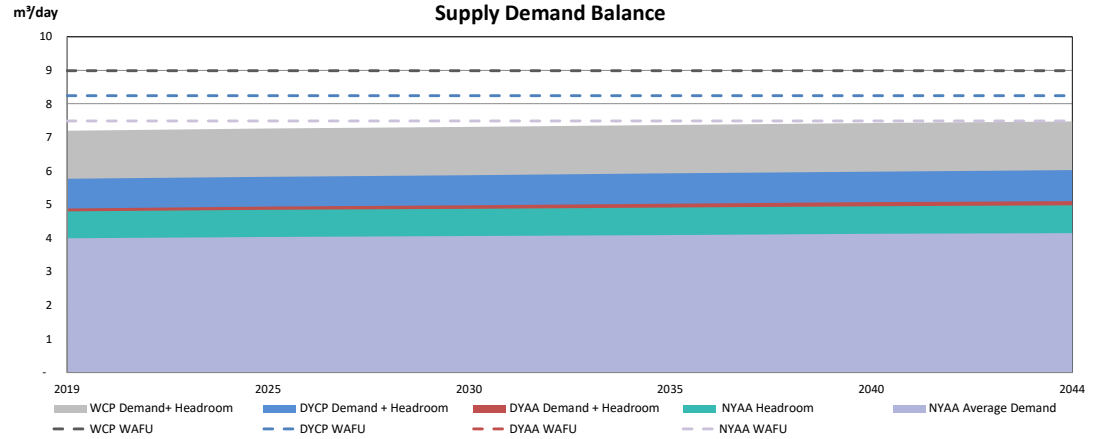
Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	2
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	1
Demand (m³/day)	4

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 (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/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

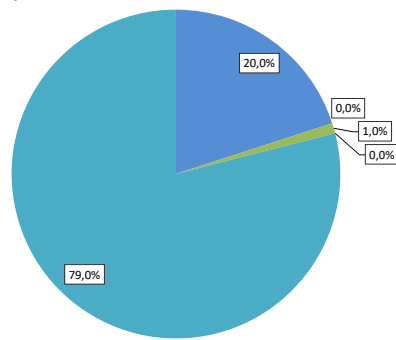
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0001081	Kilavaney Tinahely WTP	9	8	8	No Licence	9	22Hr	8	-	8	
TOTAL		9	8	8	-	9		8	-	8	

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)
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

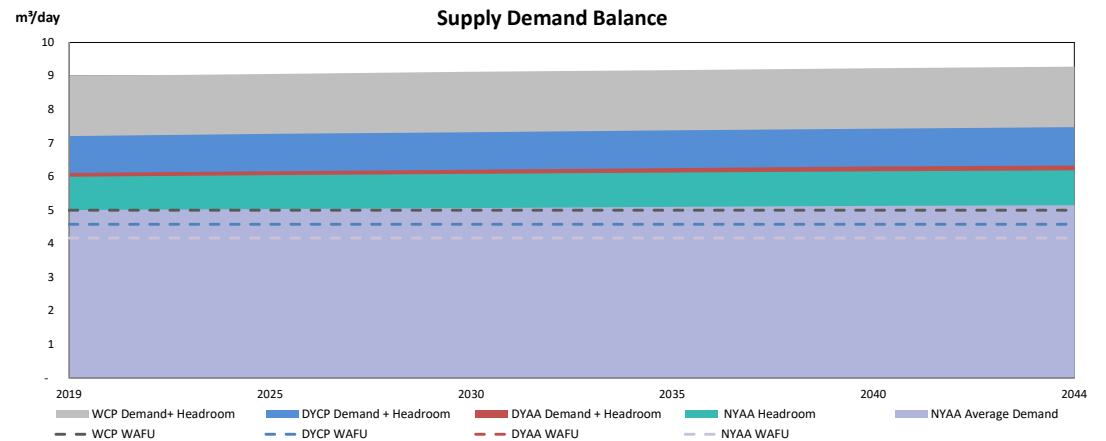
WRZ CODE	3400SC0033	WRZ Name	Ballymorris Public Supply	Study Area	1	Study Group		Local Authority	Wicklow

Base Demand in	2019
Domestic Demand (m³/day)	1
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/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)



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	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

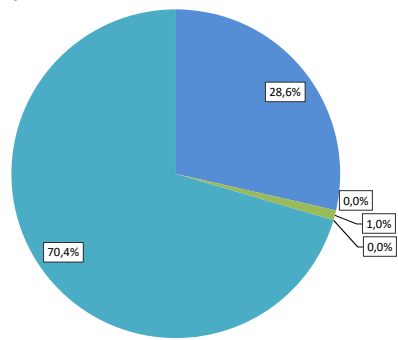
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000269	Ballymorris WTP	5	4	5	No Licence	5	22Hr	5	-	5	

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)		
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	3400SC0035	WRZ Name	Kilballyowen (Aughrim) Public Supply	Study Area	1	Study Group		Local Authority	Wicklow

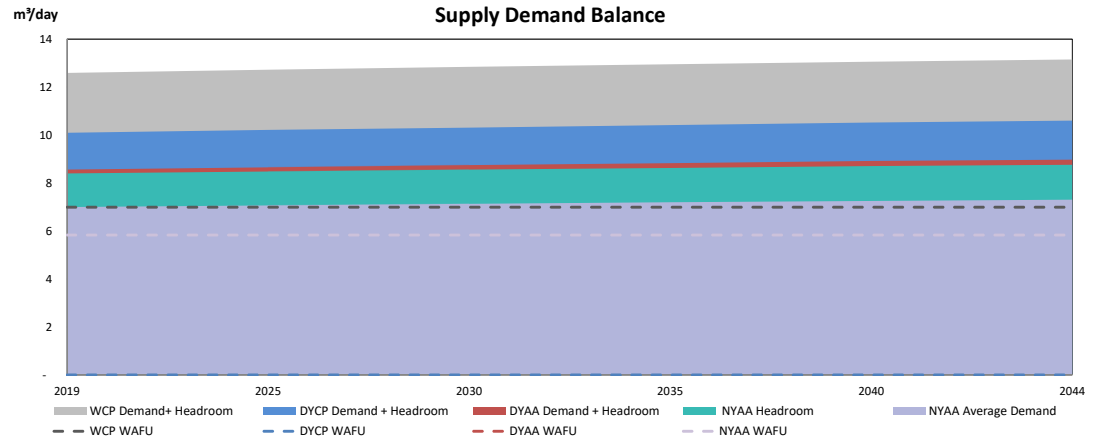
Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	-
Leakage (m³/day)	5
Demand (m³/day)	7

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



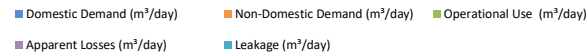
Projected Demands 2019 to 2044						
Year	Average Demand (m³/day)	Headroom Allowance (m³/day)	NYAA (m³/day)	DYAA (m³/day)	DYCP (m³/day)	WCP (m³/day)
2019	7	1	8	9	10	13
2025	7	1	8	9	10	13
2030	7	1	9	9	10	13
2035	7	1	9	9	10	13
2040	7	1	9	9	11	13
2044	7	1	9	9	11	13

Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (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
WTP0001108	Kilballyowen Aughrim WTP	7	6	6	No Licence	7	22Hr	6	-	6	
		</									

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)		
2019	6	6	-	7 -	3 -	3 -	10 -	6		
2025	6	6	-	7 -	3 -	3 -	10 -	6		
2030	6	6	-	7 -	3 -	3 -	10 -	6		
2035	6	6	-	7 -	3 -	3 -	10 -	6		
2040	6	6	-	7 -	3 -	3 -	11 -	6		
2044	6	6	-	7 -	3 -	3 -	11 -	6		

WRZ CODE	3400SC0045	WRZ Name	Ballynavortha Public Supply	Study Area	M	Study Group		Local Authority	Wicklow

Components of Base Demand 2019



Supply Demand Balance



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
TOTAL		-	-	-	-	-		-	-	-	

WRZ CODE	3400SC0047	WRZ Name	Laragh Annamoe Public Supply	Study Area	1	Study Group		Local Authority	Wicklow



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



2019 2025 2030 2035 2040 2044

WCP Demand+ Headroom
WCP WAFU
DYCP Demand + Headroom
DYCP WAFU
DYAA Demand + Headroom
DYAA WAFU
NYAA Headroom
NYAA Average Demand
NYAA WAFU

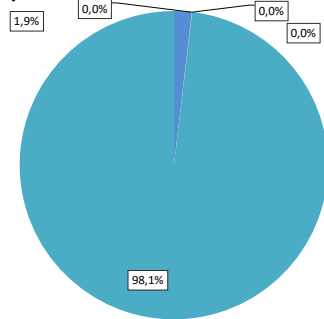
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000647	Raheen WTP	260	217	238	No Licence	249	22Hr	238	-	238	
WTP0001182	Glenmacnass WTP	300	250	275	No Licence	1 966	22Hr	275	-	275	
TOTAL		560	467	513	-	2 215		513	-	513	

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)	
2019	467	467	513	560	12	21	62	158	
2025	467	467	513	560	19	28	71	168	
2030	467	467	513	560	22	33	76	173	
2035	467	467	513	560	26	37	81	179	
2040	467	467	513	560	29	41	86	184	
2044	467	467	513	560	32	44	90	189	

WRZ CODE	3400SC0053	WRZ Name	Ballingate Public Supply	Study Area	M	Study Group		Local Authority	Wicklow

Base Demand in	2019
Domestic Demand (m³/day)	2
Non-Domestic Demand (m³/day)	-
Operational Use (m³/day)	0
Apparent Losses (m³/day)	0
Leakage (m³/day)	85
Demand (m³/day)	86

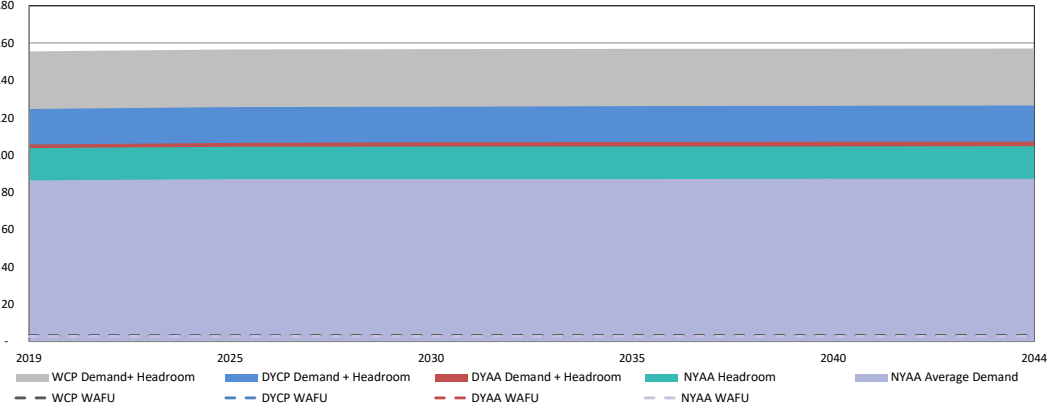
Components of Base Demand 2019



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

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	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

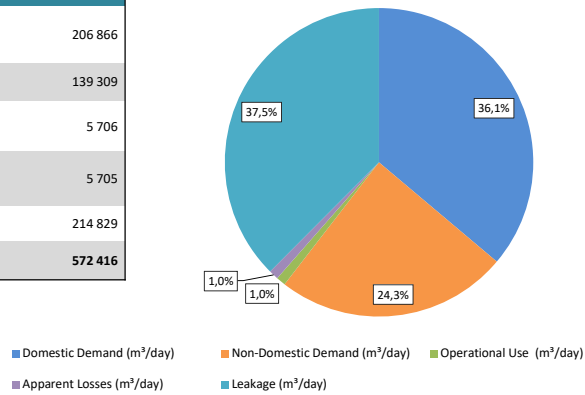
Water Available for Use in 2044 DYCP											
WTP ID	WTP_Name	24Hr. Design Capacity (m³/day) WCP	20Hr. Capacity (m³/day) NYAA & DYAA	22Hr. Capacity (m³/day) DYCP	Abstraction Licence (m³/day)	1/50yr Yield (m³/day)	Limiting Factor	Deployable Output	Outage Allowance	WAFU (m³/day) DYCP	Operational Comments from Drought 2018
WTP0000085	Ballingate WTP	3	3	3	No Licence	3	Yield	3	-	3	
TOTAL		3	3	3	-	3		3	-	3	

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)	
2019	3	3	3	3 -	101 -	103 -	122 -	152	
2025	3	3	3	3 -	102 -	104 -	123 -	153	
2030	3	3	3	3 -	102 -	104 -	123 -	153	
2035	3	3	3	3 -	102 -	104 -	123 -	154	
2040	3	3	3	3 -	102 -	104 -	124 -	154	
2044	3	3	3	3 -	102 -	104 -	124 -	154	

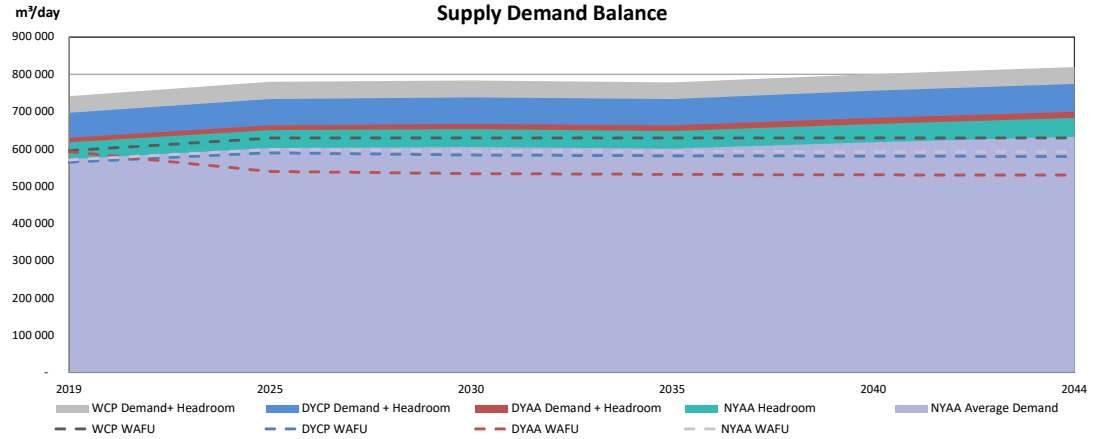
WRZ CODE	GDA	WRZ Name	Greater Dublin Area	Study Area	9	Study Group	Local Authority	GDA

Base Demand in	2019
Domestic Demand (m³/day)	206 866
Non-Domestic Demand (m³/day)	139 309
Operational Use (m³/day)	5 706
Apparent Losses (m³/day)	5 705
Leakage (m³/day)	214 829
Demand (m³/day)	572 416

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	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 (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
WTP0000424	Glenealy WTP	180	150	165	No Licence						
WTP0000688	Roundwood Well WTP	360	300	330	No Licence						
WTP0000581	Cronroe WTP	1 200	1 000	1 100	No Licence						
WTP0001004	Monasterevin WTP	3 200	2 667	2 933	2 000						
WTP0001220	Rathangan Wellfields WTP	5 000	4 167	4 583	5 000						
WTP0000822	Srowland WTP	38 000	31 667	34 833	40 000						
WTP0000302	Bog of the Ring Water WTP	3 000	2 500	2 750	3 000						
WTP0000110	Leixlip WTP	235 000	195 833	215 417	No Licence						
WTP0000150	Ballyboden WTP	14 000	11 667	12 833	No Licence						
WTP0000012	Vartry WTP	75 000	62 500	68 750	No Licence						
WTP0000267	Ballymore Eustace WTP	312 000	260 000	286 000	No Licence						
TOTAL		686 940	572 450	629 695	50 000	-		-	-	-	

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)
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