

The Role of Irish Water in the Plan Making Process

John O'Shaughnessy

Forward Planning Lead

Asset Strategy 25th February 2022



Agenda

- About Irish Water
- Our Investment Process
- The Investment Challenge Water and Waste Water
- Irish Water Interactions with the Planning Authority
- Case Study (Proactive Engagement)
- Capacity Assessments / Registers

About Irish Water



Supplying **1.7 billion litres** of treated water and treating **1.2 billion litres** of wastewater every day



Serving **1.52 million** households and **172,000** businesses across Ireland



755 Water Treatment Plants
1,711 Water Pumping Stations
1,426 Water Reservoirs



1,062 WW Treatment Plants
2,206 WW Pumping Stations
2,000 Storm Water Overflows



63,000 Kms of water mains
26,000 Kms foul/combined sewer network



Operation of water services by Local Authority staff under **31** Service Level Agreements

Water Services Strategic Plan

A Plan for the Future of Water Services



Water Services (No. 2) Act 2013.

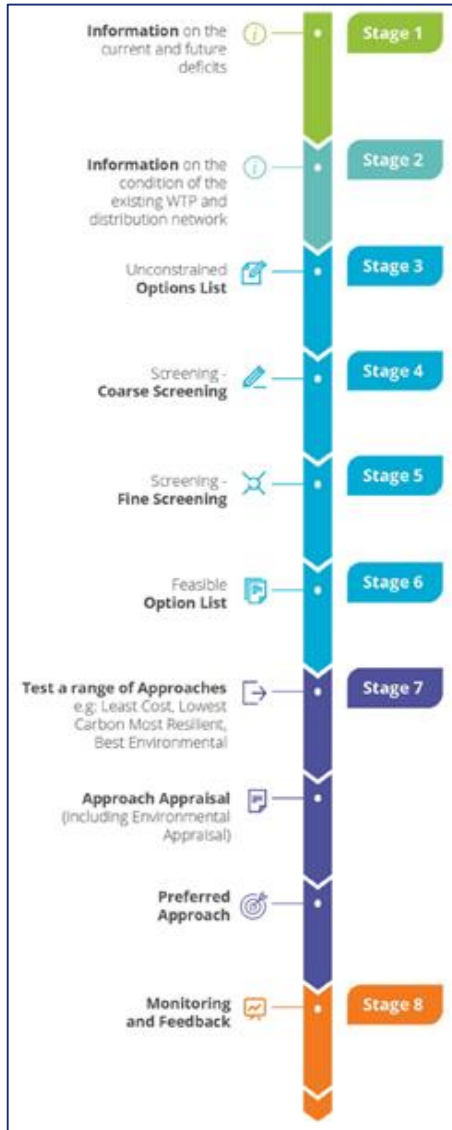
Ministerial Direction Sets 6 Strategic Objectives:

- Meet Customer Expectations
- Ensure Safe and Reliable Water Supply
- Provide Effective Management of Wastewater
- Protect and Enhance the Environment
- Support Social and Economic Growth
- Invest in our Future

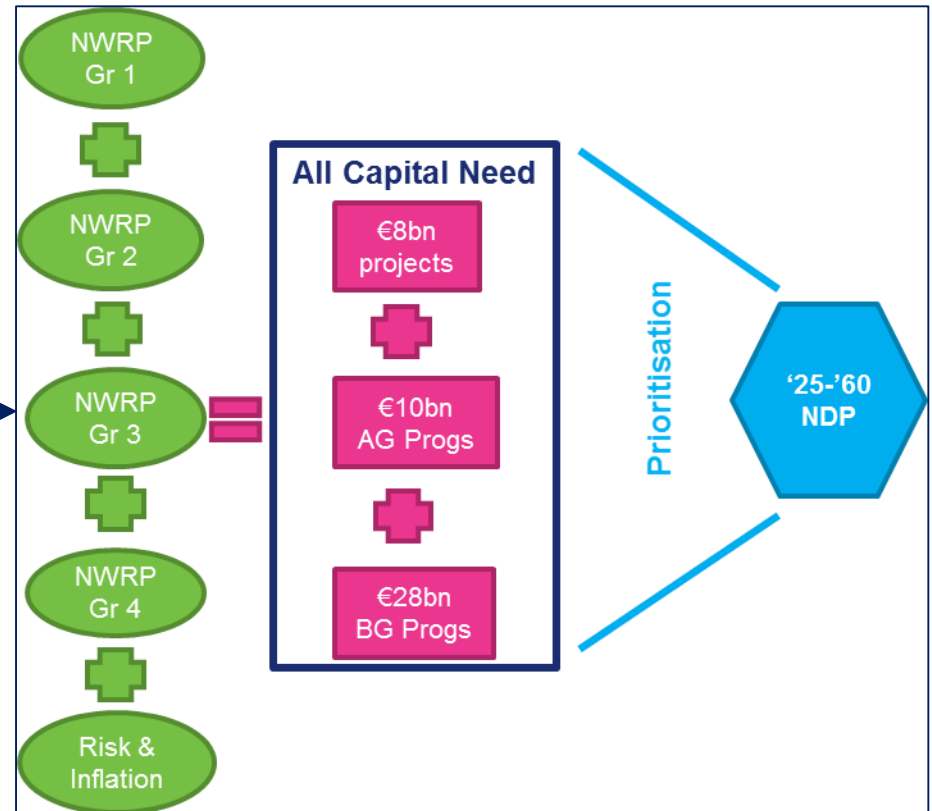
Safeguarding your water for your future

National Water Resources Plan & Water Future Forecast

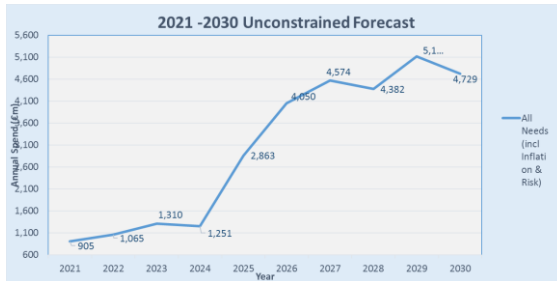
NWRP Process



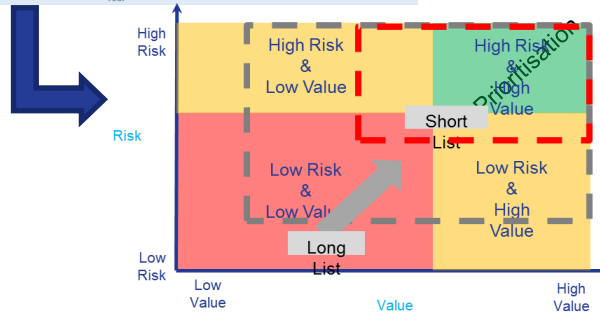
NDP Future Forecast Process



Scale of investment need – Waste Water

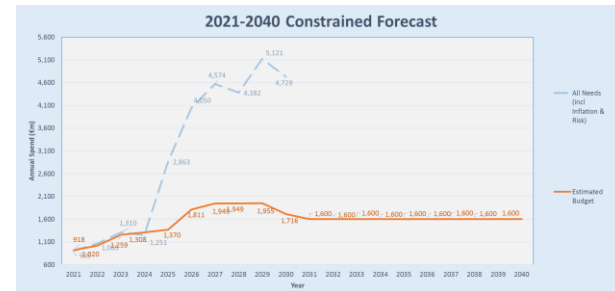


Unconstrained Forecast of needs based on current understanding of asset base condition and performance (> €50bn out to 2060s)



Prioritisation of long list to short list based on Risk and Value approach as part of asset investment planning process.

Constrained Forecast shows spend increasing to between €1.5 to €2bn per annum into 2030s and levelling out at €1.6bn beyond that.



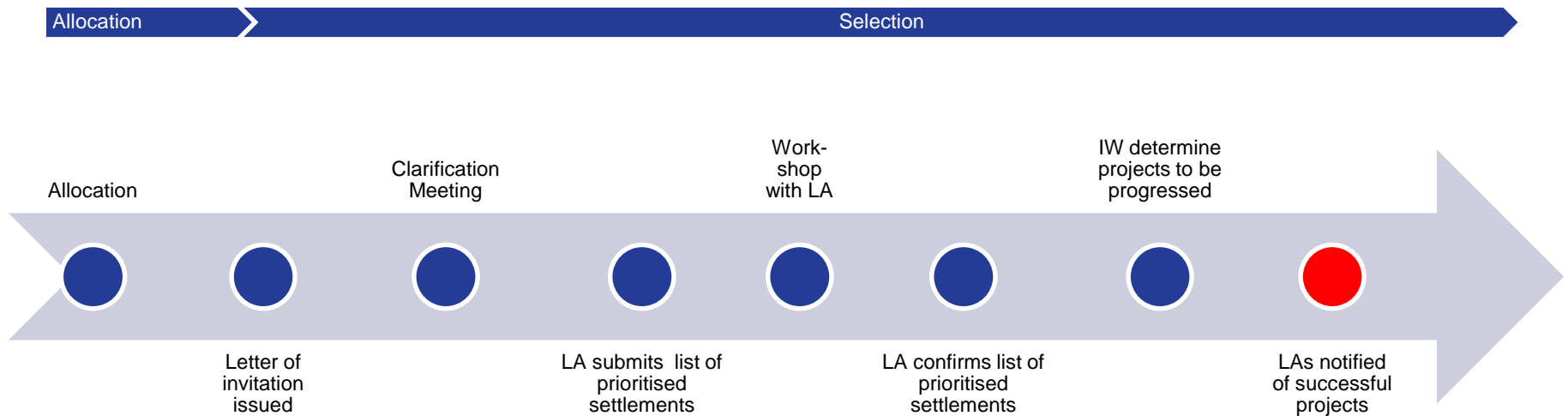
Urban Waste Water – Progress achieved to date

- €1.7bn invested in wastewater assets since 2014
- Approx. 137 upgrade projects included in RBMP (2018-2021) completed
- Full compliance with UWWTD treatment standards by RC4
- Steady progress in getting to full waste water licence standards
- Reduction in Significant Urban Waste Water Pressures from 291 down to 208 water bodies



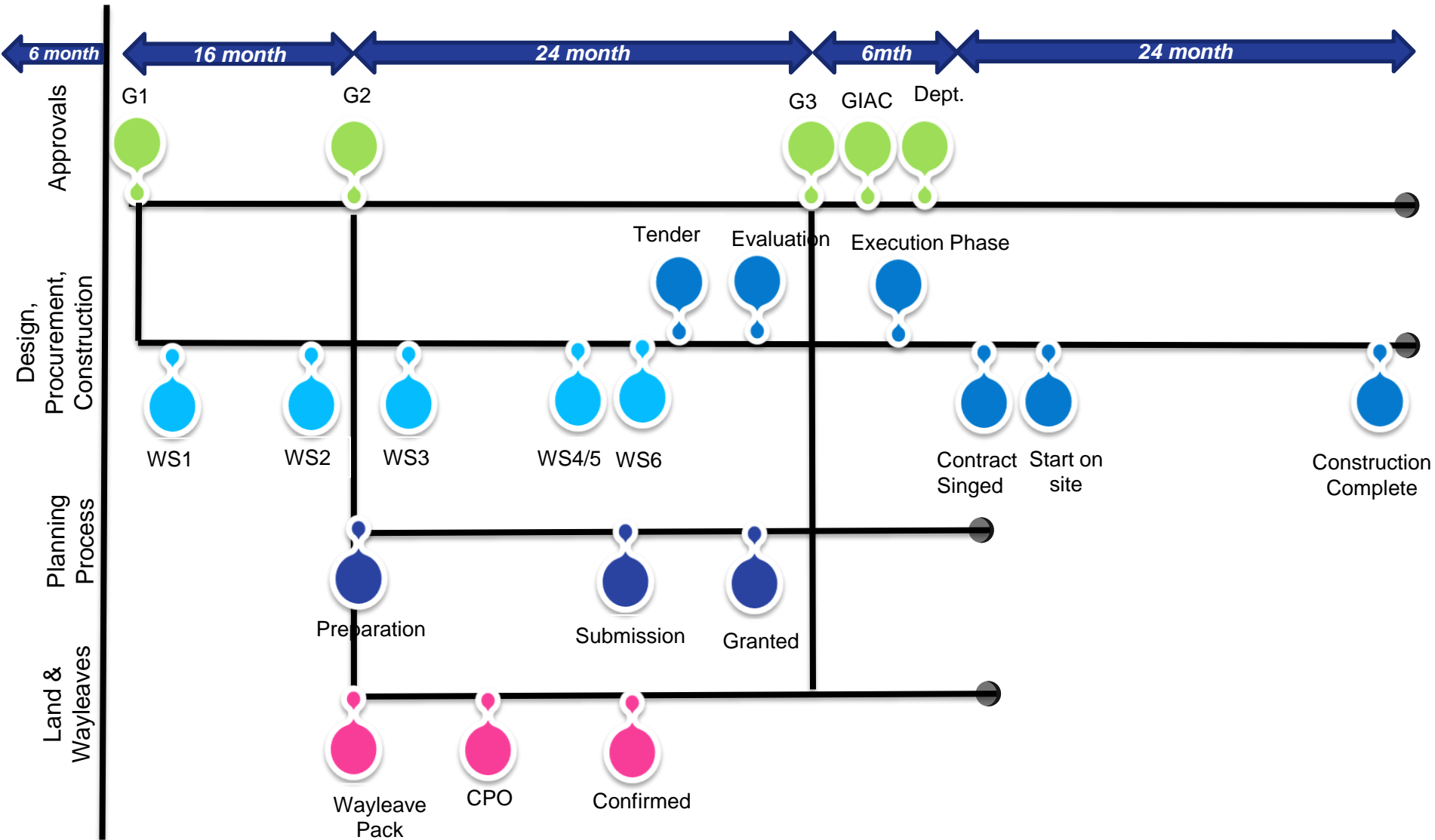
Small Towns and Villages Growth Programme

Revenue Control 3 allocated €100M of approved funding towards STVGP. There are currently 37 projects announced for upgrade works across all Local Authority areas.



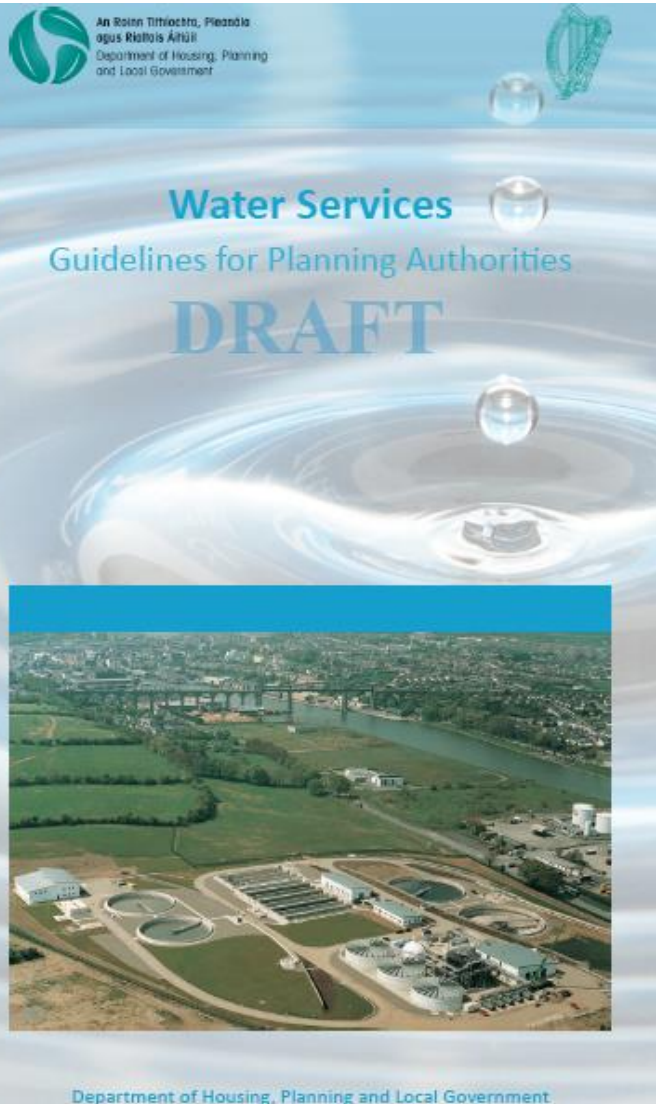
Revenue Control 4 & 5 are expected to continue or enhance this level of investment in the rural areas through the STVGP.

Timeline for a Project Delivery post analysis and identification of issues



Draft Water Services Guidelines for LAs

27



Planning Guidelines

These Guidelines are intended to provide best practice guidance in relation to the interface between the planning authorities and the delivery of public water services by Irish Water.

The Guidelines highlight that *‘Irish Water is a statutory consultee under the P&D Act 2000 (as amended) and planning authorities are required to take into account the views of Irish Water in making decisions on statutory plans..’*

County Development Plan Process

Stages of a Development Plan:

There are numerous stages involved in the preparation of a Development Plan which takes place over a 2-year period. The stages are shown in the diagram below:



(Graphics Courtesy of Waterford City and County Council)

Preparing our submission

In preparing our submissions to the PA and to the OPR we ask ourselves the following key questions?

Can our assets accommodate the projected growth?

Can zoned lands be serviced?

Water sources safeguarded?

Alignment with IW policy and processes

IW Assets safeguarded?

Accuracy of Plan text

Potential risks to IW

Highlighting our work

Capacity Registers

- Water and Wastewater Capacity Registers were published in the developer section of IW website on the 24th of November 2021.
<https://www.water.ie/connections/developer-services/capacity-registers/>
- The Wastewater Capacity Registers published, represent Waste Water Treatment Plants which have a Certificate of Authorisation or a Waste Water discharge licence.
- Water Supply Capacity Registers represent the top 3 tiers of settlements or 48 settlements as identified in the NPF and RSES.

Water Supply Capacity Register - Northern and Western Region- Cities, Regional Growth Centres and Key Towns					Jul
Settlement Name	Local Authority Name	Water Resource Zone Name (WRZ)	WRZ ID	Significant Growth Constraint	
Cavan	Cavan	Cavan RWSS	0200SC0014	None	
Letterkenny	Donegal	Letterkenny / Milford	0600SC0029	Capacity available - LoS improvement required	
Tuam	Galway	Lough Corib	1100SC0001	Capacity available - LoS improvement required	
Ballinasloe	Galway	Ballinasloe Public Supply			
Galway city and suburbs	Galway City	Lough Corib			
Carrick-On-Shannon	Leitrim, Roscommon	Carrick-on-Shannon			
Castlebar	Mayo	Lough Mask & Westport			
Ballina	Mayo	Ballina			
Monaghan	Monaghan	Monaghan			
Roscommon	Roscommon	Roscommon Central			
Athlone/Monksland	Roscommon, Westmeath	South Roscommon			
Sligo	Sligo	Sligo Town & Environs			



Settlements with Waste Water Discharge Authorisations - Wastewater Treatment Capacity

29th April 2020

Region	County	Settlement	Wastewater Treatment Plant (WWTP)	Reg #	Headroom (PE)		Current project completion year
					WWDL ELV Capability	UWW Standards Capability (not WWDL ELVs)	
S	Clare	Ennis	Ennis North WWTP	D0048			Post 2024
S	Clare	Ennis	Clareabbey WWTP	D0199			Post 2024
S	Clare	Clarecastle	-	D0322			2023
S	Clare	Shannon	Shannon Town WWTP	D0045			2020
S	Clare	Sixmilebridge	Sixmilebridge WWTP	D0076			
S	Clare	Newmarket on Fergus	Newmarket on Fergus WWTP	D0079			2024
S	Clare	Killaloe	Ballina (Tipperary) WWTP	D0189			2024
S	Clare	Scarriff	Scarriff WWTP	D0319			
S	Clare	Ennistimon	Ennistymon WWTP	D0081			Post 2024
S	Clare	Quin	Quin WWTP	D0318			2021
S	Clare	Lisdoonvarna	Lisdoonvarna WWTP	D0077			
S	Clare	Miltown Malbay	Miltown/Malbay WWTP	D0321			
S	Clare	Corofin	Corofin WWTP	D0434			
S	Clare	Tulla	Tulla WWTP	D0320			
S	Clare	Lahinch	Lahinch WWTP	D0080			Post 2024

Example of a Growth Assessment

Table 2.2: Core Strategy Allocations

Settlement	2016 Population	Population Growth 2021-2027	New Residential Units	Proposed Densities	Residential zoned land requirement	Units to be delivered on Infill/brownfield lands
Settlement Type: Regional Growth Centre						
Athlone (Monksland/Bellanamullia)	21,300 (4,350 in Monksland/Bellanamullia)	1,763	658	50 units/Ha	13.16 Ha	197
Settlement Type: Key Town						
Roscommon	5,900	1,514	565	35 units/Ha	16.14 Ha	170
Carrick-on-Shannon (Cortober)	4,100 (640 in Cortober)	188	70	35 units/Ha	2 Ha	21
Settlement Type: Self-						
Boyle	2,570	541				
Settlement Type: S						
Ballaghaderreen	1,800	340				
Castlerea	1,990	354				
Strokestown	825	155				
Elphin	565	107				
		4,962				

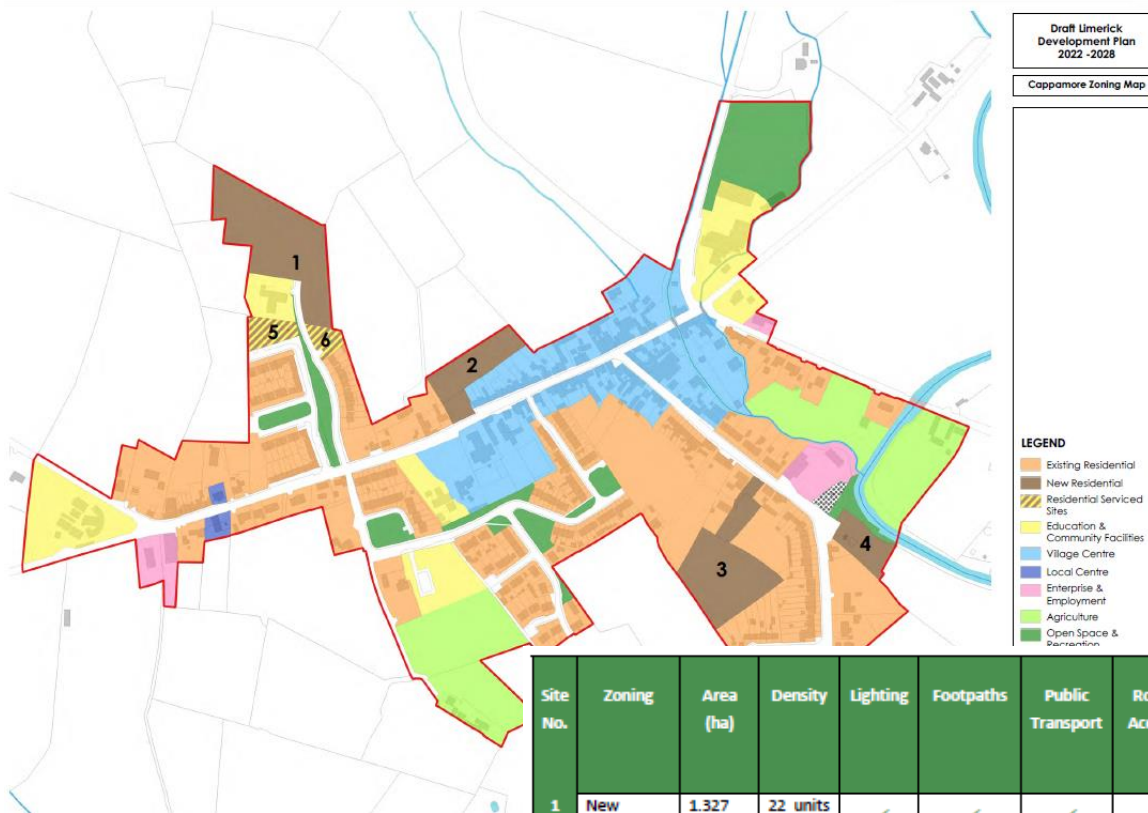


Settlements with Wastewater Discharge Authorisations - Wastewater Treatment Capacity Register

Published November 2021

Region	County	Settlement	Wastewater Treatment Plant (WWTP)	Reg #	Indication of Available Capacity	WWTP Project Planned/ Underway
NW	Roscommon	Monksland (Athlone)	Monksland WWTP	D0042		
NW	Roscommon	Roscommon	Roscommon WWTP	D0116		
NW	Roscommon	Boyle	Boyle WWTP	D0121		
NW	Roscommon	Castlerea	Castlerea WWTP	D0118		
NW	Roscommon	Ballaghaderreen	Ballaghaderreen WWTP	D0123		Yes
NW	Roscommon	Lanesborough-Ballyleague	Ballyleague WWTP	D0229		
NW	Roscommon	Strokestown	Strokestown WWTP	D0228		
NW	Roscommon	Elphin	Elphin WWTP	D0230		
NW	Roscommon	Roosky	Roosky WWTP	D0408		
NW	Roscommon	Frenchpark	Frenchpark WWTP	D0376		
NW	Roscommon	Termonbarry	Termonbarry WWTP	D0524		
NW	Roscommon	Hodson Bay	Hodson Bay WWTP	D0377		
NW	Roscommon	Arigna	Arigna WWTP	-		
NW	Roscommon	Athleague	Athleague WWTP	A0281		
NW	Roscommon	Ballinameen	Ballinameen WWTP	A0286		
NW	Roscommon	Ballinlough	Ballinlough	A0559		
NW	Roscommon	Ballintober	Ballintober WWTP	A0290		
NW	Roscommon	Ballyfarnon	Ballyfarnon WWTP	A0282		

Example of Zoning Assessments



Site No.	Zoning	Area (ha)	Density	Lighting	Footpaths	Public Transport	Road Access	Water	Foul	Surface Water	Flood Risk	Infill/ Brown-field	Time Line / Cost	Comments if applicable	Tier
1	New Residential	1.327	22 units /ha	✓	✓	✓	✓	✓	✓	✓	✗	✗		Committed Local Authority Development	1
2	New Residential	0.512	22 units /ha	✓	✓	✓	✓	✓	✓	✓	✗	✓			1
3	New Residential	1.012	22 units /ha	✓	✓	✓	✓	✓	✓	✓	✗	✓	S/M	Extant permission for Nursing Home 16/254	1
4	New Residential	0.289	22 units /ha	✓	✓	✓	✓	✓	✓	✓	✗	✓	S/M	Extant permission for Elderly person Accommodation 19/872	1

In Summary

- Fulfilling our legal obligations
- Alignment of policy, plans and objectives
- Ensure Irish Water assets and sources safeguarded
- Maximising the use of existing IW assets
- Ensuring our investments supports planning policy



Thank You



**Local Representative Support
Desk can be contacted at
localrepsupport@water.ie or
by phone at 0818 178 178**