

Table 1 Draft Wastewater capacity assessment - Cork city and suburbs, urban towns and hinterland settlements

Notes:

Assessment of capacity is the best available information at the time of issue and is subject to change

Population projections are subject to change

The wastewater networks capacity relates to capacity available to cater for foul wastewater only.

The below assessment refers to strategic infrastructure and networks only, for the majority of areas local network upgrades may also be needed which can be customer funded in accordance with the IW connections charging policy.

A pre-connection enquiry should be submitted to IW to determine the feasibility of connecting any site to the IW network, feasibility should not be inferred from the below table.

A Wastewater Treatment Capacity Register (WWCR) for 2019 was issued to Cork City Council in April 2020. The 2020 Wastewater Treatment Capacity Register is currently being prepared and will be issued to LAs once finalised in the coming months. In the meantime the planning authority is directed to the 2019 WWCR for further capacity details. Timelines for project completions are subject to funding and approvals processes.

Strategic wastewater projects being progressed:

Cork City Drainage Area Plan is well advanced and is at Stage 3. Anticipated completion for Stage 3 is mid 2022 at which point the final Stage 4 will commence. On completion of the DAP it is IW's intention to progress elements of upgrades to the city network.

Ballincollig Drainage Area Plan is due to be completed in mid 2022.

Cork Harbour Modelling Study - consultant appointed and timeline for completion of study anticipated towards the end of 2022.

Settlement:	Existing population (CSO 2016):	Draft CDP 2022-2028 - Population target to 2028:	Draft CDP 2022-2028 population increase:	Wastewater Networks capacity (main/trunk sewer network and pump stations):	Wastewater Treatment Plant (WWTP):	Wastewater treatment capacity:
Cork city centre	22,732	26,218	3,486	Currently it is envisaged that capacity is available in main sewer network to cater for the population targets identified in the Draft CDP to 2028. Local network upgrades would need to be delivered in some areas to provide capacity to individual sites, these could be customer funded in accordance with the IW connections charging policy.	Carrigrenan WWTP	Currently it is envisaged that capacity is available in the Carrigrenan WWTP to cater for the population targets in the Draft CDP to 2028.
City Docklands (north and south)	1,667	7,239	5,572	Currently it is envisaged that capacity is available in main sewer network (North and South Docklands) to cater for the population targets identified in the Draft CDP to 2028. Local network upgrades would need to be delivered to provide capacity to individual sites, these could be customer funded in accordance with the IW connections charging policy.		
Tivoli Docklands	0	498	498	Currently it is envisaged that capacity is available in main sewer network to cater for the population targets identified in the Draft CDP to 2028. Local network upgrades would need to be delivered to provide capacity to individual sites, these could be customer funded in accordance with the IW connections charging policy.		
North East Suburb	26,841	35,561	8,720	For existing neighbourhoods like Mayfield/Tivoli/Montenotte/Blackpool/The Glen it is envisaged that capacity is available in the main sewer network to cater for the population targets identified in the Draft CDP to 2028. Local network upgrades would be needed to provide capacity to individual sites. For the city regeneration and expansion areas of Ballyvolane East and West, very limited capacity is available currently in the main networks and a project is progressing to provide strategic network upgrades for this area. It is anticipated that this project will be completed within the lifetime of the Development Plan. For the city regeneration and expansion area of Kilbarry/Blackpool it is envisaged that a connection via the strategic project for Ballyvolane would be needed. Local upgrades also needed for majority of individual sites, to be customer funded in accordance with the IW connections charging policy.		
North West Suburb	23,125	23,728	603	Currently it is envisaged that capacity is available in main sewer network to cater for the population targets identified in the Draft CDP to 2028. Local network upgrades would need to be delivered in some areas to provide capacity to individual sites, these could be customer funded in accordance with the IW connections charging policy.		
South East Suburb	51,605	58,457	6,852	Currently it is envisaged that capacity is available in main sewer network to cater for the population targets identified in the Draft CDP to 2028, and while significant upgrades to some larger sewers would be needed to cater for some areas, these could be customer funded in accordance with the IW connections charging policy. Local network upgrades would also need to be delivered in some areas to provide capacity to individual sites.		
South West suburb	40,237	42,543	2,306	Currently it is envisaged that capacity is available in main sewer network to cater for the population targets identified in the Draft CDP to 2028, and while significant upgrades to some larger sewers would be needed to cater for some areas, these could be customer funded in accordance with the IW connections charging policy. Local network upgrades would also need to be delivered in some areas to provide capacity to individual sites.		
Urban towns:						
Glanmire	9,903	15,329	5,426	There are constraints on the capacity of the main Glanmire wastewater pump station thus there is some limited capacity to cater for growth in the town in the short term but an upgrade of the pump station is needed in order to cater for the full population target identified in the Draft CDP. IW is progressing an upgrade of this pump station with anticipated timeframe for completion Q4 2023, so it is anticipated that sufficient capacity will be available at that time. Local network upgrades/extensions would also be needed to cater for individual sites. For the City Regeneration and Expansion Area of South Glanmire further local upgrades of the network would be needed to cater for growth, some of which could be significant depending on the size of developments, these could be customer funded in accordance with the IW connections charging policy.	Carrigrenan WWTP	See above for Carrigrenan WWTP update
Ballincollig	18,159	29,003	10,844	Currently it is envisaged that capacity is available in the main network to cater for a large proportion of the population target identified in the Draft CDP to 2028. To cater for the full population target identified in the Draft CDP a new pump station would be required at Maglin including a new site plus strategic upgrades of the town networks. IW would welcome a phasing plan for Ballincollig from CCC so that IW can assess which phases and how many housing units can be catered for before strategic upgrades are needed. For the City Regeneration and Expansion Area of Ballincollig South, capacity is currently available in the main networks and main Maglin pump station which can meet the immediate needs for development in the area. IW is progressing a design review project to look at all feasible options to improve serviceability for the area. IW will liaise with CCC to provide updates on the project as the City Development Plan progresses. In addition to any strategic upgrades, local networks upgrades would be needed, some of which could be significant in size, to cater for individual sites; these could be customer funded in accordance with the IW connections charging policy.	Ballincollig WWTP	Currently it is envisaged that capacity is available in the Ballincollig WWTP to cater for the majority of the population target identified in the Draft CDP. Based on current capacity estimate at the WWTP, there may be a small shortfall - refer to 2019 WWCR for further details on capacity.
Blarney	2,550	5,881	3,331	Currently there are constraints in the village sewer network which could require significant upgrades. However currently it is envisaged that capacity is available in the main sewer network in proximity to the City Regeneration and Expansion area of Blarney West so network extensions/upgrades funded by customers could allow for the development of this area. Stoneview: significant infrastructure upgrades would be required to cater for any development in the Stoneview area. IW has no current plans to progress upgrades to service this area.	Blarney WWTP	Blarney WWTP caters for wastewater from Blarney, Tower and Kerry Pike. Currently it is envisaged that capacity is available in the WWTP to cater for the population targets identified in the Draft CDP.
Tower	3,274	4,437	1,163	Currently it is envisaged that capacity is available to cater for the population targets identified in the Draft CDP to 2028. Local network upgrades would need to be delivered in some areas, depending on site size and accessibility to main sewers.	Blarney WWTP	See above for Blarney WWTP update
Hinterland settlements:						
Kerry Pike	1,792	1,971	179	Currently it is envisaged that capacity is available to cater for the population targets identified in the Draft CDP to 2028. Local network upgrades would need to be delivered in some areas to provide capacity to individual sites, these could be customer funded in accordance with IW connections charging policy.	Blarney WWTP	See above for Blarney WWTP update
Killeens					Killeens WWTP	Currently no available capacity in the Killeens WWTP to cater for growth, but funding has been announced for Killeens WWTP under the Small Towns and Villages Growth Programme. IW will keep CCC informed of progress with the project as the City Development Plan progresses.
Upper Glanmire						Update to follow; infrastructure to be reviewed.