

Table 2 Draft Water 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 below assessment refers to strategic infrastructure and networks only, for the majority of areas local network upgrades may also be needed which could 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.

Timelines for project completions are subject to funding and approvals processes.

Strategic water projects being progressed:

Lee Road WTP upgrade - at construction and current anticipated completion date Q1 2022.

Eastern Strategic Link Phase 2 - extension of trunk watermain from the city centre to Shanakiel - at construction stage and current anticipated completion date mid 2023.

Shanakiel Rising mains & Distribution mains - upgrade of networks connecting reservoirs and associated pump stations - at construction stage with anticipated completion date mid 2023.

Wilton to Lee Road Trunk Main - provision of new trunk main to provide a connection between the Inniscarra WTP and the Lee Road WTP - at construction stage with anticipated completion date mid 2023.

Settlement:	Existing population (CSO 2016):	Draft CDP 2022-2028 - Population target to 2028:	Draft CDP 2022-2028 population increase:	Water Networks capacity (main/trunk watermain networks and pump stations):	Water Resource zone (WRZ):	Capacity in Water Resource zone (WRZ):
Cork city centre	22,732	26,218	3,486	Currently it is envisaged that capacity is available in main networks 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. IW is also progressing strategic networks upgrades on the city network - see details above. These projects will enhance the security of supply for the city network and will provide further interconnectivity between the Lee Road Water Treatment Plant and the Inniscarra Water Treatment Plant thereby increasing overall capacity for the city.	Cork City WRZ	Currently it is envisaged that capacity is available in the WRZ to cater for the population targets identified in the Draft CDP to 2028. IW is progressing an upgrade to the Lee Road Water Treatment Plant which serves the city; construction is underway and project is anticipated to be complete in early 2022.
City Docklands (north and south)	1,667	7,239	5,572	Currently it is envisaged that capacity is available in the main networks serving the North Docklands to cater for the population targets identified in the Draft CDP to 2028. For the South Docklands, there is some limited capacity available currently and IW is progressing upgrade works to provide for additional capacity to cater for the population targets identified in the Draft CDP, those upgrade works have commenced and it is anticipated that capacity in the main networks will become available over the next few years. Local networks upgrades would still be needed in order to supply individual sites, these could be customer funded in accordance with the IW connections charging policy.		
Tivoli Docks	0	498	498	Currently it is envisaged that capacity is available in the main networks supplying the Tivoli 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.		
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 networks 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, 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 capacity is available in the main networks. Local upgrades would be needed for the 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 the main networks 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 can be customer funded in accordance with the IW connections charging policy.		
South East Suburb	51,605	58,457	6,852	The South East suburb is a large area and a review of the network would be needed in order to ascertain what upgrades are needed, however it is anticipated that depending on proximity of individual sites to trunk watermains, upgrades, even if significant, could be customer funded in accordance with the IW connections charging policy.		
South West suburb	40,237	42,543	2,306	The South West suburb is a large area and a review of the network would be needed in order to ascertain what upgrades are needed, however it is anticipated that depending on proximity of individual sites to trunk watermains, upgrades, even if significant, could be customer funded in accordance with the IW connections charging policy.		
Urban towns:						
Glanmire	9,903	15,329	5,426	Currently it is envisaged that capacity is available in the main networks supplying the town and supplying the City Regeneration and Expansion Area of Glanmire South to cater for the population targets identified in the Draft CDP. Local upgrades (some could be quite significant depending on size of site) would be needed for individual sites; these could be customer funded in accordance with the IW connections charging policy.	Cork City WRZ / Glashaboy WRZ	Currently it is envisaged that capacity is available in the WRZ to cater for the population targets identified in the Draft CDP to 2028.
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, strategic upgrades are needed to the network and provision of a reservoir is required. 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 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 and for Ballincollig as a whole. IW will liaise with CCC to provide updates on the project as the City Development Plan progresses. In addition to any strategic upgrades local network 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.	Cork City WRZ	Currently it is envisaged that capacity is available in the WRZ to cater for the population targets identified in the Draft CDP to 2028.
Blarney	2,550	5,881	3,331	A review of the network in Blarney village would be needed in order to ascertain what upgrades needed to cater for the population target, however it is anticipated that depending on proximity of individual sites to trunk watermains, upgrades, even if significant, could be customer funded. Stoneview: significant infrastructure upgrades required to cater for any development in the Stoneview area. IW has no current plans to progress upgrades to service this area.	Cork City WRZ	Currently it is envisaged that capacity is available in the WRZ to cater for the population targets identified in the Draft CDP to 2028.
Tower	3,274	4,437	1,163	Currently it is envisaged that capacity is available in the main networks supplying the village to cater for the population targets identified in the Draft CDP, but depending on where development progresses local upgrades would be needed which could be customer funded in accordance with the IW connections charging policy.	Cork City WRZ	Currently it is envisaged that capacity is available in the WRZ to cater for the population targets identified in the Draft CDP to 2028.
Hinterland settlements:						
Kerry Pike Killeens Upper Glanmire	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 to provide capacity to individual sites, these could be customer funded in accordance with the IW connections charging policy.	Cork City WRZ	Currently it is envisaged that capacity is available in the WRZ to cater for the population targets identified in the Draft CDP to 2028.