

Dublin City*

Water Services Investment Programme 2007 - 2009

Schemes at Construction	W/S	Est. Cost	Serviced Land Initiative	W/S	Est. Cost
Dublin North Fringe Water Supply Scheme (Sillogue Storage)	W	13,912,000	Docklands Water and Sewerage Scheme	W/S	5,600,000
Dublin Reservoirs Covering Construction (Stillorgan Advance Works)	W	1,060,000			5,600,000
Dublin Reservoirs Covering Construction - Yarry	W	8,100,000	Schemes to Advance through Planning		
Saggart Water Supply Scheme (Chlorination)	W	1,630,000	City Centre Sewerage Scheme Feasibility Study	S	3,000,000
		24,102,000	Docklands Sewerage Scheme Feasibility Study	S	3,000,000
Schemes to start 2007			Dublin Water Supply Scheme (Ballycoolen to Cappagh Cross)	W	2,000,000
Ballymore Eustace Water Treatment Plant Stage 3	W	63,400,000	Dublin Water Supply Scheme - Longterm Source Planning	W	3,000,000
Dublin Water Supply Strategic Study (Lead in Water)	W	525,000	Rathmines & Pembroke Sewerage Scheme (Low Level Catchment Drainage Area Plan)	S	2,100,000
		63,925,000	Rathmines & Pembroke Sewerage Scheme (High Level Catchment Sewerage Works)	S	36,800,000
Schemes to start 2008			Ringsend Wastewater Treatment Plant (Extension)	S	66,000,000
Dargle Valley Water Supply Scheme (Watermain)	W	4,600,000	Saggart Water Supply Scheme (Storage Reservoir)	W	27,300,000
Dublin North City Water Supply Scheme (Arterial Watermain)	W	13,600,000	Stillorgan Reservoir Feasibility Study	W	300,000
Dublin Water Supply Strategic Study (Route of 3rd Watermain for Ballymore Eustace)	W	790,000			143,500,000
Nth King St Sewerage Scheme (Surface/ Foul Separation)	S	830,000	Water Conservation Allocation¹		118,329,000
Relocation of Grand Canal Surface Water Outfall	S	13,700,000	Asset Management Study		250,000
Ringsend Sewerage Scheme (Main Lift Pumping Station)	S	4,200,000	Eastern River Basin District (WFD) Project²		12,200,000
Vartry Spillway Draw-off Pipework Upgrade	S	2,600,000	Programme Total		418,946,000
Vartry Spillway Modification Works	S	720,000			
		41,040,000			
Schemes to start 2009					
Ballyboden Water Supply Feasibility Study (Treatment/Reservoir Assessment)	W	500,000			
Vartry Tunnel Rehabilitation & Upgrade	W	9,500,000			
		10,000,000			

OH Sub No. 29

Recd From: Lorna Kelly

* All Dublin City Council schemes fall within the Greater Dublin Area as described in the National Spatial Strategy
 1 This is a composite allocation for Dublin City, Fingal, South Dublin, Dun Laoghaire-Rathdown, Bray and parts of Wicklow, and Kildare
 2 This project is being led by Dublin City on behalf of the other authorities in the River Basin District

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- Shanganagh Bray – The systems require upgrading to cater for future development.
- Osberstown and Leixlip – These Kildare systems require upgrading to cater for future developments.

In summary, there is very limited capacity in the existing systems for development beyond the existing zoned areas especially to the west and southwest of the city.

1.7 Wastewater Treatment Works

The existing wastewater treatment works in the study area were assessed in relation to their currently planned expansion, the ultimate design load and receiving water and existing site constraints. This review is included in Chapter 8 of the Final Strategy Report and can be summarised as follows.

- Ringsend – The existing plant is at capacity and needs immediate expansion for short term needs to meet the requirements of the Nitrogen Discharge Standards for Dublin Bay as set out in the Urban Wastewater Regulations. This expansion is included in the DEHLG capital investment programme 2004-2006.
- Local Plants – The Shanganagh, Osberstown, Leixlip and Fingal Coastal plants can meet future needs with the current planned upgrading. Some such as Osberstown, Leixlip, Swords and Malahide may be marginal at the 2031 design horizon.

1.8 River and Stormwater Systems

The Study area is split into 33 river and stormwater catchments. Detailed reports were prepared for each of these catchments and a summary of the report findings are included in Chapter 9 of the Final Strategy Report.

In general, local flood risk areas have been identified and there are increased risks of flooding from the impacts of new development and climate change.

Pollution levels are elevated in urban watercourses. This is linked to pollution load from the stormwater drainage system and in particular the impacts of spills at combined sewer overflows (CSOs).

1.9 Criteria, Standards and Influences on Strategy

The strategy is based on appropriate (best practise) criteria, standards and influences which can be summarised as follows.

- Standards relating to continuous discharges to receiving waters would be based on detailed studies of the receiving waters in the context of all relevant statutory requirements including the Water Framework Directive.
- Load management to reduce non-domestic loads at source would be undertaken in conjunction with the extension of the treatment works at Ringsend to meet the short-term needs.
- Operational standards of intermittent discharges from CSOs would be based on best practise environmental standards, retention of "first flush" and controlled spill frequency.