

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 (Silloque Storage)	W	13,312,000	Docklands Water and Sewerage Scheme	W/S	5,600,000
					5,600,000
Dublin Reservoirs Covering Construction (Stillorgan Advance Works)	W	1,060,000	Schemes to Advance through Planning		
Dublin Reservoirs Covering Construction - Vartry	W	8,100,000	City Centre Sewerage Scheme Feasibility Study	S	3,000,000
Saggart Water Supply Scheme (Chlorination)	W	1,630,000	Docklands Sewerage Scheme Feasibility Study	S	3,000,000
		24,102,000	Dublin Water Supply Scheme (Ballycoolen to Cappagh Cross)	W	2,000,000
Schemes to start 2007			Dublin Water Supply Scheme - Longterm Source Planning	W	3,000,000
Ballymore Eustace Water Treatment Plant Stage 3	W	63,400,000	Rathmines & Pembroke Sewerage Scheme (Low Level Catchment Drainage Area Plan)	S	2,100,000
Dublin Water Supply Strategic Study (Lead in Water)	W	525,000	Rathmines & Pembroke Sewerage Scheme (High Level Catchment Sewerage Works)	S	36,800,000
		63,925,000	Ringsend Wastewater Treatment Plant (Extension)	S	66,000,000
Schemes to start 2008			Saggart Water Supply Scheme (Storage Reservoir)	W	27,300,000
Dargle Valley Water Supply Scheme (Watermain)	W	4,600,000	Stillorgan Reservoir Feasibility Study	W	300,000
Dublin North City Water Supply Scheme (Arterial Watermain)	W	13,600,000			143,500,000
Dublin Water Supply Strategic Study (Route of 3rd Watermain for Ballymore Eustace)	W	90,000	Water Conservation Allocation¹		118,329,000
Nth King St Sewerage Scheme (Surface/Foul Separation)		830,000	Asset Management Study		250,000
Relocation of Grand Canal Surface Water Outfall	S	13,700,000	Eastern River Basin District (WFD) Project²		12,200,000
Ringsend Sewerage Scheme (Main Lift Pumping Station)	S	4,200,000			
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			

* 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

DCC G1 Programmes of Improvements

Scheme title	Assessment of Needs 2007- 2014	DEHLG Water Services Investment Programme 2007 - 2009	Brief Details of Scheme	Relevant EU Directive	Time Frame
Nth King St Sewerage Scheme (Surface/Foul Separation)		Scheme to start construction in 2008	This scheme will protect and improve water quality in the River Liffey and facilitate new development near Grangegorman.	Water Framework Directive 2000/60/EC	Scheme to be reviewed and progressed in conjunction with City Centre Sewerage Scheme hereunder.
Relocation of Grand Canal Surface Water Outfall		Scheme to start construction in 2008	This is the second phase of a scheme, which will see storm water from the Grand Canal Tunnel conveyed directly to the River Liffey and greatly reduce the risk of pollution in the Dock during periods of storm flows.	Water Framework Directive 2000/60/EC	Appoint Contractor in Q4 2008.
Ringsend Sewerage Scheme (Main Lift Pumping Station)		Scheme to start construction in 2008	This scheme will replace existing standby electrical generation system. It is required to ensure reliability of Main Lift Pumping Station and prevention of flooding.	Water Framework Directive 2000/60/EC	<ul style="list-style-type: none"> o Commence 1st quarter 2008. o Complete 1st quarter 2009.
Docklands Water and Sewerage Scheme		Serviced Land Initiative	This scheme will provide a new Pumping Station at Spencer Dock, Rising Mains to Ringsend Wastewater Treatment Works and a Services Tunnel under the River Liffey to facilitate development in the North Docklands Area.	Water Framework Directive 2000/60/EC	<ul style="list-style-type: none"> • Liffey Services Tunnel under construction. • Consultant to complete detailed design and prepare Contract Documents for Rising Mains Scheme in 2008. • Design of Pumping Station being progressed by Developer in consultation with Dublin City Council (DCC).
City Centre Sewerage Scheme Feasibility Study		Scheme to advance through planning	This scheme is required to mitigate pollution of the River Liffey from existing combined sewer overflows (CSO's) along the North & South Quays, enabling the City Council to comply with the terms of the Water Framework Directive, which requires all waters to achieve "good" status by 2015.	Water Framework Directive 2000/60/EC	Appoint Contractor to undertake Flow Survey to verify hydraulic model of drainage network in Q3 2008).
Docklands Sewerage Scheme Feasibility Study		Scheme to advance through planning	This scheme entails the provision of new infrastructure to remove flooding in the North & South Docklands Catchment and to mitigate pollution of the River Liffey from existing combined sewer overflows (CSO's) enabling the City Council to comply with the terms of the Water Framework Directive.	Water Framework Directive 2000/60/EC	DCC to complete Brief to engage Consultant to bring Drainage Area Plan for the Catchment to Preliminary Report Status.
Rathmines & Pembroke Sewerage Scheme (Low Level Catchment Drainage Area Plan)		Scheme to advance through planning	This is a catchment adjacent to the sea at Booterstown. The purpose of the scheme is to identify any assets to improve water quality in Dublin Bay and ensure compliance with the Quality of Bathing Waters Regulations at Merrion and Sandymount strands.	Water Framework Directive 2000/60/EC	DCC to submit Feasibility Study and progress discussions for proposed Integrated Constructed Wetland at Elm Park Golf Course.
Rathmines & Pembroke Sewerage Scheme (High Level Catchment Sewerage Works)		Scheme to advance through planning	This catchment to the south of the city is prone to flooding. This investment will upgrade assets to minimise flood risk and protect water quality in the River Dodder by reducing flows from combined sewer overflows (CSO's) during storm events.	Water Framework Directive 2000/60/EC	Consultant to be appointed in Q1 2008 to bring Drainage Area Plan for the Catchment to Preliminary Report Status.
Ringsend Wastewater Treatment Plant (Extension)		Scheme to advance through planning	This scheme is urgently required to develop currently over-loaded treatment works to its ultimate capacity.	Urban Waste Water Treatment Directive 91/271/EEC	Construction to commence 2011 and to complete 2014.
Clontarf / Drumcondra Drainage Relief Scheme	Priority No. 11	Not in the WSIP yet	This scheme is designed to reduce flood risk in this catchment and is at the final design stage. An EIS will be required and this will form part of the statutory and legal process to be completed before construction.	Bathing Water Directive 76/160/EEC	Scheme to be advanced onto next WSIP
Camac Valley Sewer	Priority No. 17	Ditto	This scheme is designed to reduce the risk of spillage to the river Camac and to allow development of brown field lands in the area.	Water Framework Directive 2000/60/EC	Scheme to be advanced onto next WSIP

DCC G3 Programmes of Improvements

Scheme title	DEHLG Water Services Investment Programme 2007 - 2009	Brief Details of Scheme	Time Frame
Nth King St Sewerage Scheme (Surface/Foul Separation)	Scheme to start construction in 2008	This scheme will protect and improve water quality in the River Liffey and facilitate new development near Grangegorman.	Scheme to be reviewed and progressed in conjunction with City Centre Sewerage Scheme hereunder.
Relocation of Grand Canal Surface Water Outfall	Scheme to start construction in 2008	This is the second phase of a scheme, which will see storm water from the Grand Canal Tunnel conveyed directly to the River Liffey and greatly reduce the risk of pollution in the Dock during periods of storm flows.	Appoint Contractor in Q4 2008.
Ringsend Sewerage Scheme (Main Lift Pumping Station)	Scheme to start construction in 2008	This scheme will replace existing standby electrical generation system. It is required to ensure reliability of Main Lift Pumping Station and prevention of flooding.	<ul style="list-style-type: none"> ○ Commence 1st quarter 2008. ○ Complete 1st quarter 2009.
Docklands Water and Sewerage Scheme	Serviced Land Initiative	This scheme will provide a new Pumping Station at Spencer Dock, Rising Mains to Ringsend Wastewater Treatment Works and a Services Tunnel under the River Liffey to facilitate development in the North Docklands Area.	<ul style="list-style-type: none"> • Liffey Services Tunnel under construction. • Consultant to complete detailed design and prepare Contract Documents for Rising Mains Scheme in 2008. • Design of Pumping Station being progressed by Developer in consultation with Dublin City Council (DCC).
City Centre Sewerage Scheme Feasibility Study	Scheme to advance through planning	This scheme is required to mitigate pollution of the River Liffey from existing combined sewer overflows (CSO's) along the North & South Quays, enabling the City Council to comply with the terms of the Water Framework Directive, which requires all waters to achieve "good" status by 2015.	Appoint Contractor to undertake Flow Survey to verify hydraulic model of drainage network in Q3 2008).
Docklands Sewerage Scheme Feasibility Study	Scheme to advance through planning	This scheme entails the provision of new infrastructure to remove flooding in the North & South Docklands Catchment and to mitigate pollution of the River Liffey from existing combined sewer overflows (CSO's) enabling the City Council to comply with the terms of the Water Framework Directive.	DCC to complete Brief to engage Consultant to bring Drainage Area Plan for the Catchment to Preliminary Report Status.
Rathmines & Pembroke Sewerage Scheme (Low Level Catchment Drainage Area Plan)	Scheme to advance through planning	This is a catchment adjacent to the sea at Booterstown. The purpose of the scheme is to identify any assets to improve water quality in Dublin Bay and ensure compliance with the Quality of Bathing Waters Regulations at Merrion and Sandymount strands.	DCC to submit Feasibility Study and progress discussions for proposed Integrated Constructed Wetland at Elm Park Golf Course.
Rathmines & Pembroke Sewerage Scheme (High Level Catchment Sewerage Works)	Scheme to advance through planning	This catchment to the south of the city is prone to flooding. This investment will upgrade assets to minimise flood risk and protect water quality in the River Dodder by reducing flows from combined sewer overflows (CSO's) during storm events.	Consultant to be appointed in Q1 2008 to bring Drainage Area Plan for the Catchment to Preliminary Report Status.
Ringsend Wastewater Treatment Plant (Extension)	Scheme to advance through planning	This scheme is urgently required to develop currently over-loaded treatment works to its ultimate capacity.	Construction to commence 2011 and to complete 2014.
Clontarf / Drumcondra Drainage Relief Scheme	Not in the WSIP yet	This scheme is designed to reduce flood risk in this catchment and is at the final design stage. An EIS will be required and this will form part of the statutory and legal process to be completed before construction.	Scheme to be advanced onto next WSIP
Camac Valley Sewer	Ditto	This scheme is designed to reduce the risk of spillage to the river Camac and to allow development of brown field lands in the area.	Scheme to be advanced onto next WSIP

DCC G3 Programmes of Improvements (Schemes Directly Funded by Dublin City Council)

Scheme title	Brief Details of Scheme	Time Frame
Gully Cleaning Programme	Dedicated fleet of gully tankers operated on a shift basis to ensure access to both heavily trafficked and pedestrianised areas.	On Going
Monitoring of Pumping Stations	Pumping stations have been linked via a telemetry system and are continuously monitored from a central control point. Stand-by generators have been installed in the most environmentally sensitive locations to protect against power interruptions.	On Going
Fats Oils and Grease Programme	A programme to control the discharge of FOG from 2000 Food Service Establishments in the city centre has commenced.	On Going
Standardised Drainage Planning Policies	Standardised Drainage Planning Policies with an emphasis on Sustainable Drainage systems, (SuDS), have also been introduced and are mandatory for all new developments.	On Going
Separation	A programme of separation of foul from stormwater flows has been developed to target areas where it is considered cost effective to do so.	On Going
River Cleaning Crews	A dedicated maintenance programme covering all the rivers in Dublin City Council area	On Going

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DCC G4 Programmes of Improvements

Scheme title	DEHLG Water Services Investment Programme 2007 - 2009	Brief Details of Scheme	Time Frame
Nth King St Sewerage Scheme (Surface/Foul Separation)	Scheme to start construction in 2008	This scheme will protect and improve water quality in the River Liffey and facilitate new development near Grangegorman.	Scheme to be reviewed and progressed in conjunction with City Centre Sewerage Scheme hereunder.
Relocation of Grand Canal Surface Water Outfall	Scheme to start construction in 2008	This is the second phase of a scheme, which will see storm water from the Grand Canal Tunnel conveyed directly to the River Liffey and greatly reduce the risk of pollution in the Dock during periods of storm flows.	Appoint Contractor in Q4 2008.
Ringsend Sewerage Scheme (Main Lift Pumping Station)	Scheme to start construction in 2008	This scheme will replace existing standby electrical generation system. It is required to ensure reliability of Main Lift Pumping Station and prevention of flooding.	<ul style="list-style-type: none"> ○ Commence 1st quarter 2008. ○ Complete 1st quarter 2009.
Docklands Water and Sewerage Scheme	Serviced Land Initiative	This scheme will provide a new Pumping Station at Spencer Dock, Rising Mains to Ringsend Wastewater Treatment Works and a Services Tunnel under the River Liffey to facilitate development in the North Docklands Area.	<ul style="list-style-type: none"> • Liffey Services Tunnel under construction. • Consultant to complete detailed design and prepare Contract Documents for Rising Mains Scheme in 2008. • Design of Pumping Station being progressed by Developer in consultation with Dublin City Council (DCC).
City Centre Sewerage Scheme Feasibility Study	Scheme to advance through planning	This scheme is required to mitigate pollution of the River Liffey from existing combined sewer overflows (CSO's) along the North & South Quays, enabling the City Council to comply with the terms of the Water Framework Directive, which requires all waters to achieve "good" status by 2015.	Appoint Contractor to undertake Flow Survey to verify hydraulic model of drainage network in Q3 2008).
Docklands Sewerage Scheme Feasibility Study	Scheme to advance through planning	This scheme entails the provision of new infrastructure to remove flooding in the North & South Docklands Catchment and to mitigate pollution of the River Liffey from existing combined sewer overflows (CSO's) enabling the City Council to comply with the terms of the Water Framework Directive.	DCC to complete Brief to engage Consultant to bring Drainage Area Plan for the Catchment to Preliminary Report Status.
Rathmines & Pembroke Sewerage Scheme (Low Level Catchment Drainage Area Plan)	Scheme to advance through planning	This is a catchment adjacent to the sea at Booterstown. The purpose of the scheme is to identify any assets to improve water quality in Dublin Bay and ensure compliance with the Quality of Bathing Waters Regulations at Merrion and Sandymount strands.	DCC to submit Feasibility Study and progress discussions for proposed Integrated Constructed Wetland at Elm Park Golf Course.
Rathmines & Pembroke Sewerage Scheme (High Level Catchment Sewerage Works)	Scheme to advance through planning	This catchment to the south of the city is prone to flooding. This investment will upgrade assets to minimise flood risk and protect water quality in the River Dodder by reducing flows from combined sewer overflows (CSO's) during storm events.	Consultant to be appointed in Q1 2008 to bring Drainage Area Plan for the Catchment to Preliminary Report Status.
Ringsend Wastewater Treatment Plant (Extension)	Scheme to advance through planning	This scheme is urgently required to develop currently over-loaded treatment works to its ultimate capacity.	Construction to commence 2011 and to complete 2014.
Clontarf / Drumcondra Drainage Relief Scheme	Not in the WSIP yet	This scheme is designed to reduce flood risk in this catchment and is at the final design stage. An EIS will be required and this will form part of the statutory and legal process to be completed before construction.	Scheme to be advanced onto next WSIP
Camac Valley Sewer	Ditto	This scheme is designed to reduce the risk of spillage to the river Camac and to allow development of brown field lands in the area.	Scheme to be advanced onto next WSIP

DCC G4 Programmes of Improvements (Schemes Directly Funded by Dublin City Council)

Scheme title	Brief Details of Scheme	Time Frame
Gully Cleaning Programme	Dedicated fleet of gully tankers operated on a shift basis to ensure access to both heavily trafficked and pedestrianised areas.	On Going
Monitoring of Pumping Stations	Pumping stations have been linked via a telemetry system and are continuously monitored from a central control point. Stand-by generators have been installed in the most environmentally sensitive locations to protect against power interruptions.	On Going
Fats Oils and Grease Programme	A programme to control the discharge of FOG from 2000 Food Service Establishments in the city centre has commenced.	On Going
Standardised Drainage Planning Policies	Standardised Drainage Planning Policies with an emphasis on Sustainable Drainage systems, (SuDS), have also been introduced and are mandatory for all new developments.	On Going
Separation	A programme of separation of foul from stormwater flows has been developed to target areas where it is considered cost effective to do so.	On Going
River Cleaning Crews	A dedicated maintenance programme covering all the rivers in Dublin City Council area	On Going

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