

Wastewater

Capital Strategy

The York-Durham Sewerage System Master Plan Update completed in 2002 provided the basis for a long-term wastewater capital strategy that addresses the Region's sanitary servicing needs to 2036. The strategy consists of a number of key initiatives to ensure that adequate treatment capacity and infrastructure will be in place to meet the projected growth of the Region.

The following are the main elements of the wastewater capital strategy:

Diversion of Sewage flows to Peel Region

In 1998 the Region of Peel and the Region of York entered into an agreement to provide for the diversion of wastewater flows from Woodbridge into Peel. Under the agreement, diversion will begin initially with a partial diversion of the Woodbridge flows to Peel and gradually increase to full diversion of the Woodbridge flows by 2011. It is expected that diversion will commence in 2004.

York Durham Sewage System Expansion

In 1997, the Region undertook a Master Plan Study for the York-Durham Trunk Sewer System. The YDSS Master Plan was updated in 2002 to identify and review sewage servicing alternatives to meet current needs and future growth to the year 2036. The Master Plan Study has identified new infrastructure projects required to satisfy growth in the Region. Infrastructure projects identified will be included and implemented under the Region's 10-Year Capital Plan.

Duffin Creek WPCP Optimization and Expansion

The optimization of the existing processes at the Duffin Creek WPCP will allow for a re-rated capacity of 420 ML/day, from the existing 364 ML/day. The expansion of the plant will see the capacity increase from 420 ML/day to 520 ML/day.

Address the needs of Satellite Systems

The infrastructure required to accommodate growth in the communities of the satellite systems has been identified. Wastewater systems to be expanded within the next 10 years include King City, Schomberg, Nobleton, Mount Albert and Keswick.

Asset Upgrade and Rehabilitation

As Regional infrastructure continues to increase and age, rehabilitation and replacement requirements will also increase. The asset management program includes periodic condition assessments and programmed rehabilitation and replacement strategies. Effective management of these assets will be critical in ensuring a reliable wastewater collection system is maintained into the future.

Wastewater

Key Initiatives

A number of key initiatives and related projects have been identified as essential in carrying out the capital strategy. These include the following wastewater projects in the YDSS and the satellite systems.

Wastewater Projects (YDSS)

- 1. The Peel Diversion**, a major co-operative servicing strategy with Peel Region, was first identified in 1997 and will be completed by the end of 2004. This project will divert sewage from the York Durham Sewage System (YDSS) in Woodbridge to the South Peel System. The Peel Forcemain involves the construction of twin forcemains from the Humber Pumping Station to Peel. Certain components of the South Peel System expansion will be cost shared with the Region of Peel.
- 2. The Lower Leslie Street Trunk and the 19th Avenue Interceptor** are intended to work together to service new development in Richmond Hill, Aurora and Newmarket and to provide relief to the existing YDSS through Richmond Hill. These sewers are expected to be complete by 2006.
- 3. The 16th Avenue Trunk Sewer** is needed to service development areas in Markham and to provide for the phased completion of a parallel system along 16th Avenue connecting the Lower Leslie Trunk to the 9th Line Trunk. This sewer is being constructed in two phases. Phase 1 from 9th Line to Stone Mason Drive is completed. Phase 2 from Stone Mason Drive to the Lower Leslie Trunk near Woodbine Avenue is expected to be complete by 2008.
- 4. The Southeast Collector** - York Scarborough section of the Southeast Collector parallels the existing YDSS from 9th Line to the Scarborough Pickering Townline. This sewer will be completed in 2008.
- 5. The Newmarket Flow Equalization Tank** will detain peak flows during wet weather events and allow flow into the Newmarket Pumping Station when the peak event is over. The tank will be constructed at the site of the Newmarket PS by 2006.
- 6. The Aurora Flow Equalization Tank** will work in conjunction with the Newmarket Flow Equalization Tank to detain peak flows during wet weather events. Flows from the Aurora Tank will enter the Aurora Pumping Station when the peak event is over. The tank will be constructed near the Aurora Pumping Station for completion in 2006.
- 7. Optimization of the Duffin Creek WPCP** will upgrade the plant's treatment capacity to 420 ML/day, an increase of approximately 15% of the current capacity. The upgrades to the treatment plant will be in operation by 2005.

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8. **The Bathurst Street / Langstaff Road system** is comprised of two trunk sewers, the Bathurst Trunk and the Langstaff Trunk. Both of these sewers will service development areas in Vaughan, as well as provide relief to the existing Maple Collector. The two sewers have been combined into one Design Build contract. Construction on the Bathurst and Langstaff Trunk sewers is subject to up-front financing by developers and is expected to be complete in 2007.
9. **The East Holland Trunk** in Aurora will service development areas in East Aurora. The construction of the sewer is to be carried out in two phases. Phase 1 sewer on St. John's Sideroad from Aurora pumping station to east of Bayview Avenue is expected to be completed in 2005. Phase 2 sewer in the tableland between St. John's Sideroad and Wellington Street East is expected to be completed in 2007.
10. **The Stouffville Trunk Sewer** is an extension of the YDSS 9th Line Trunk and will extend from the Little Rouge River north on 9th Line into Stouffville. It is expected that construction will be completed in 2005.
11. **Expansion of the Duffin Creek WPCP** will provide treatment capacity from 420 ML/day to 520 ML/day to serve the growth in the Region. Construction of the expansion will be completed by 2009.

Wastewater Projects (Satellite Systems)

12. **The King City Pumping station and forcemain** will connect the community of King City to the YDSS. This work is expected to be completed by 2005.

In conjunction with the connection to the YDSS, work will also proceed on the King City Collection System that will provide sanitary services to the existing community. This work is to be completed in phases between 2006 and 2009.

13. **The Mount Albert WPCP expansion** is required to service growth in the community and will be completed in 2005.
14. **The Metro Road Main Pumping Station** at Metro Road and Woodbine Avenue will collect the sewage from the Willow Beach area and pump directly via a forcemain along Woodbine Avenue and Morton Avenue to the Keswick Water Pollution Control Plant. Construction will be complete in 2005.
15. **The Keswick WPCP expansion** is required to service growth in the community. An addendum to the Class EA will be complete in 2005 to look at alternatives in expanding the plant. Expansion of the plant is expected to be completed by 2007.

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16. The Schomberg WPCP expansion is required to service growth for the full build-out of the Community Plan. A Class EA for the plant expansion will be complete in 2004. Expansion of the plant is expected to be completed by 2007.

17. Nobleton WPCP and sewage system is required to provide municipal sanitary service for the Community Plan. The new WPCP and associated sewer works is expected to be in place by 2007.

Operations Projects

18. Asset Upgrade and Rehabilitation

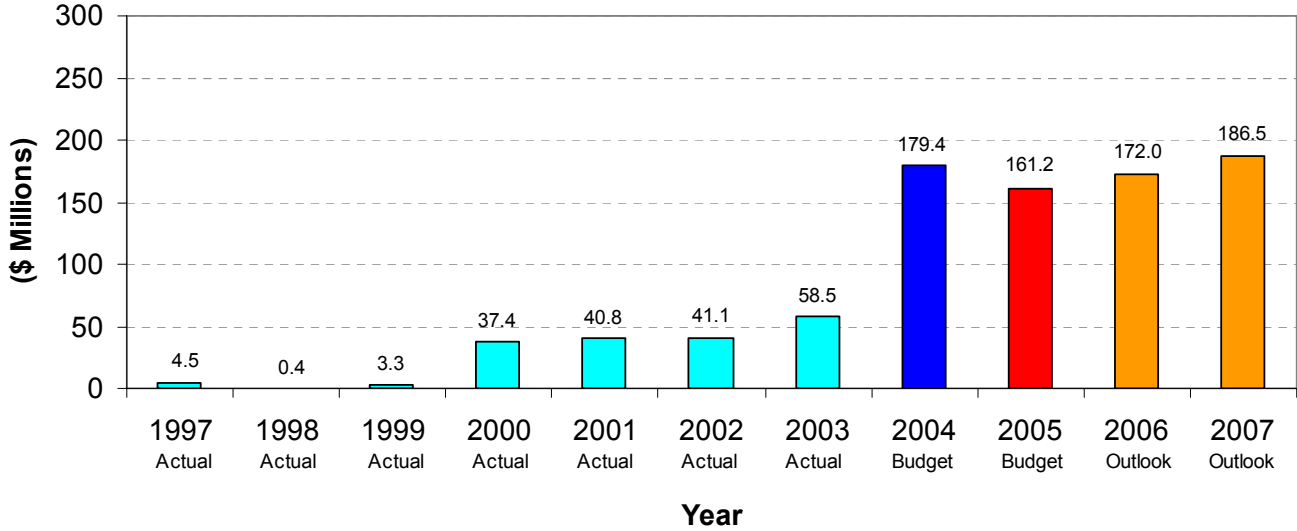
The Optimize Works project is a key driver for reviewing and planning future initiatives in increasing operational performance. A critical element is the implementation of a computerized work management system that will improve the management of staff, resources and assets and will become the corner stone of the asset upgrade and rehabilitation program.

The 2005 10-year Capital Plan will implement the above initiatives and add the following infrastructure:

- Increase sewage treatment capacity by 220 ML/day
- 101 km of sewers and forcemains
- 6 new pumping stations

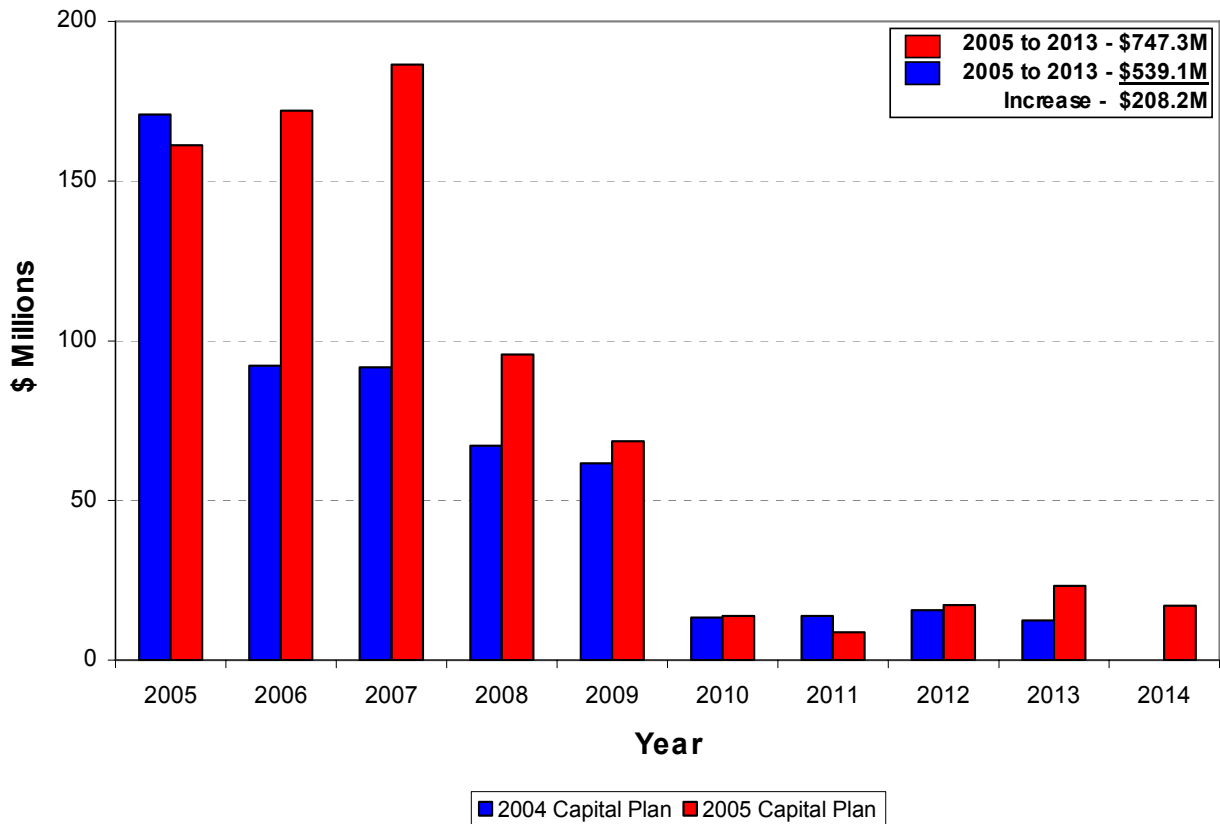
Wastewater

Capital Program Cost History



Wastewater

2004 Plan vs 2005 Plan Gross Costs Comparison (2005 to 2013)

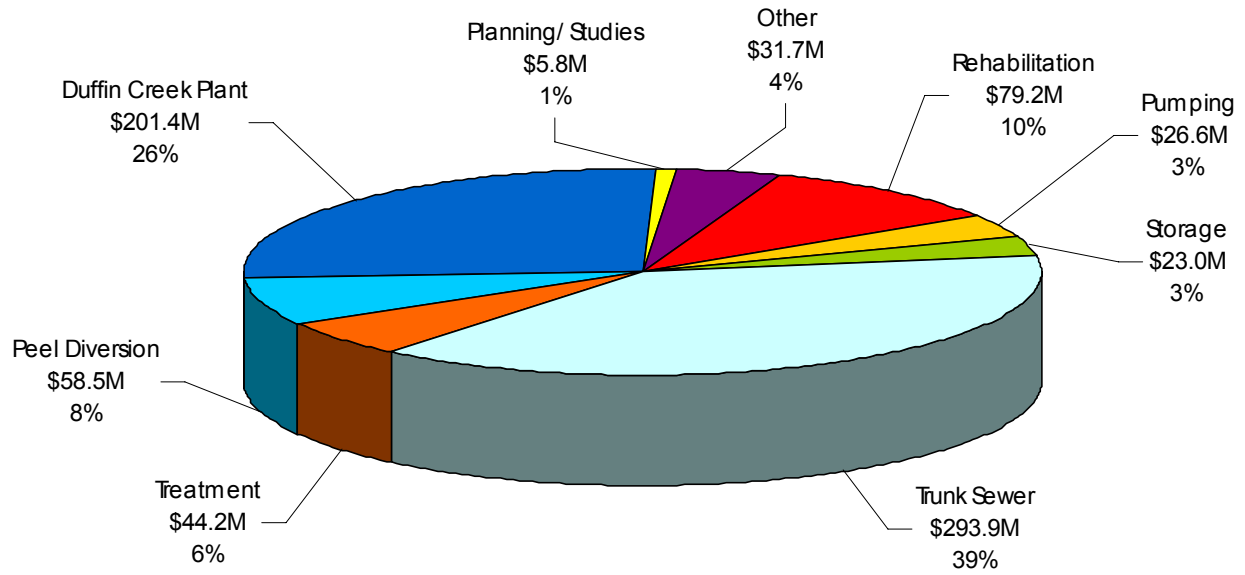


Explanation of Cost Changes in 2006, 2007 and 2008

- New Projects: Schomberg WPCP (\$7.5M), Nobleton WPCP (\$10.2M) & Joe Dales Forcemains (\$5.1M)
- Advanced Project: Keswick WPCP Expansion (\$11.3M)
- Cost Increases: Duffin Creek WPCP Maintenance & Optimization (\$16.8M), YDSS Southeast Collector (Ninth Line to York/Durham Boundary) (\$51.5M) and YDSS 16th Ave. Trunk Sewer (Stone Mason to Woodbine) (\$31.6M)

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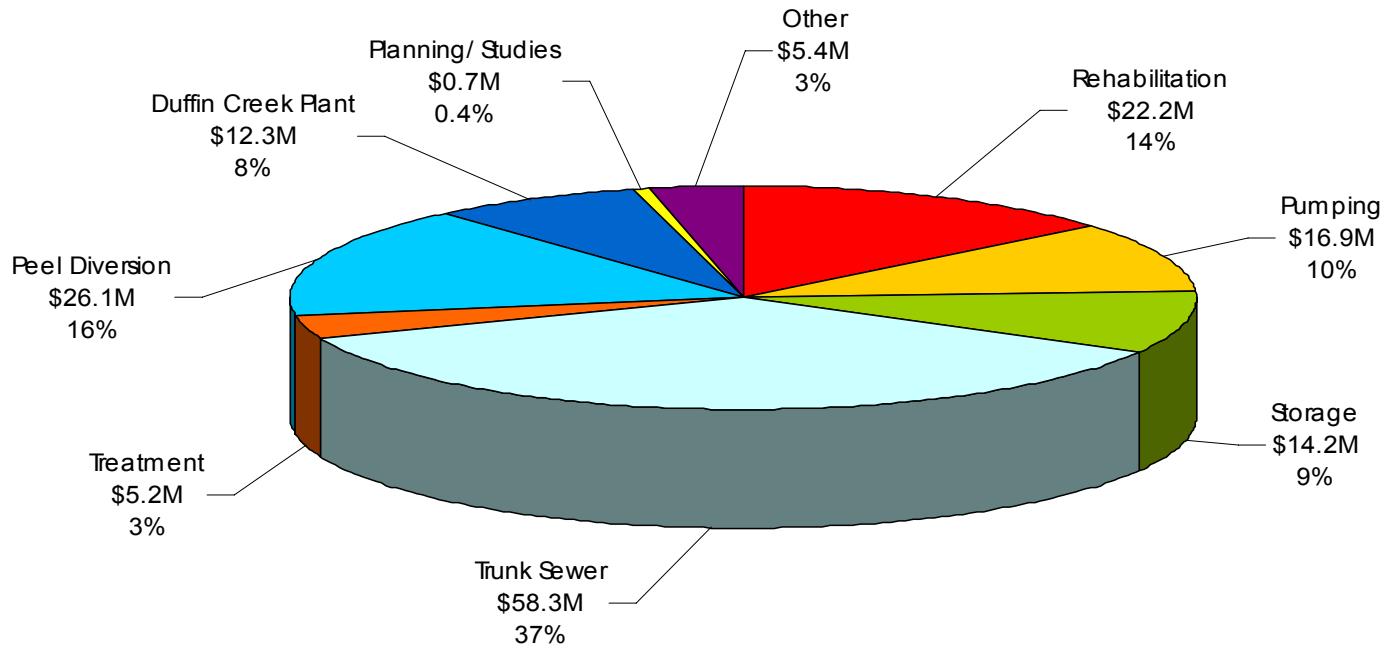
10 Year Capital Plan – Asset Mix



2005-2014 Plan
\$764M

Wastewater

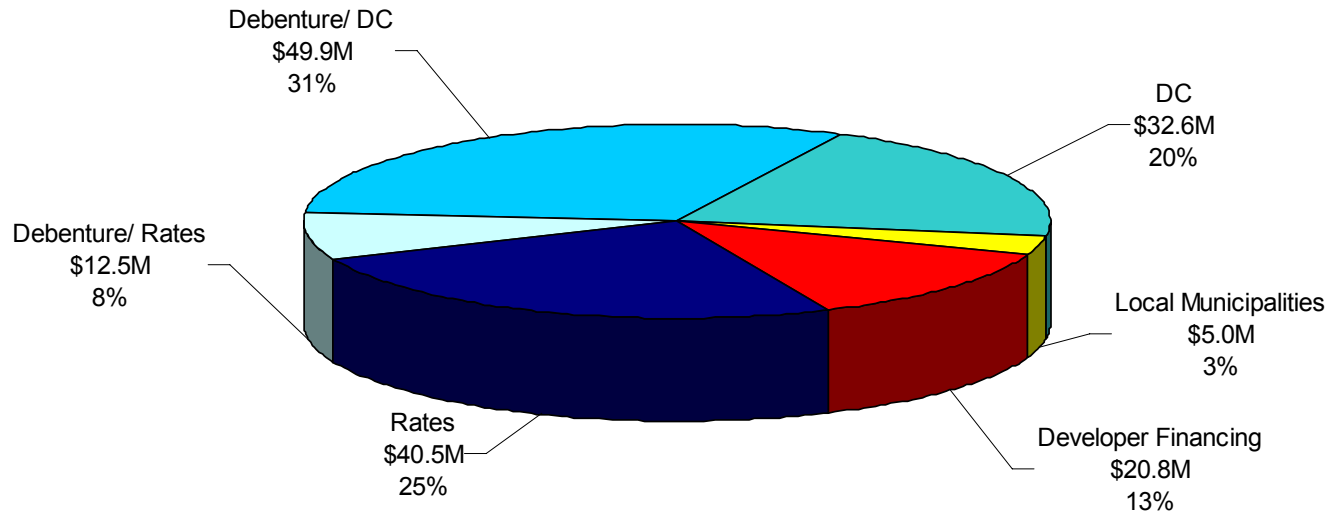
2005 Budget – Asset Mix



**2005 Budget
\$161M**

Wastewater

2005 Budget – Cash Flow Sources



**2005 Budget
\$161M**

Wastewater

Capital Financial Summary

(\$000's)

	2004 Budget	2005 Budget	2006 Outlook	2007 Outlook	2008 - 2014 Outlook
Gross Expenditures					
Rehabilitation / Replacement					
Other	3,000	5,474	5,454	3,000	27,800
Planning Studies	30	0	0	0	0
Pumping	1,259	1,709	0	0	0
Third Party Capital	11,087	13,000	5,000	5,000	10,000
Trunk Sewer	210	2,000	100	100	600
Sub Total	15,586	22,183	10,554	8,100	38,400
Growth / Expansion					
Other	1,557	2,031	1,981	1,896	13,272
Planning Studies	807	493	780	510	3,840
Pumping	16,430	15,645	2,878	5,020	60
Storage	1,605	14,191	8,478	305	0
Third Party Capital	46,582	38,386	29,646	59,488	132,363
Treatment	6,927	5,231	13,438	15,685	9,891
Trunk Sewer	86,100	58,263	99,491	93,426	42,707
Sub Total	160,008	134,240	156,692	176,330	202,133
Service Improvements / Enhancements					
Others	2,820	3,342	3,071	2,033	4,053
Planning/ Studies	0	220	0	0	0
Pumping	1,000	1,250	1,730	0	0
Sub Total	3,820	4,812	4,801	2,033	4,053
Total Wastewater Gross Expenditures	179,414	161,235	172,047	186,463	244,586
Revenue					
D.C. Reserves	(8,711)	(32,577)	(31,540)	(34,559)	(28,207)
Developer Funding	(25,407)	(20,808)	(38,968)	(33,223)	(11,753)
Other Recoveries	0	0	0	0	0
Debentures	(103,550)	(62,429)	(63,956)	(87,748)	(132,363)
Municipal Recoveries	(4,206)	(4,950)	(4,850)	(5,010)	(4,450)
Grants and Subsidies	0	0	0	0	0
Committed D.C.	(6,422)	0	0	0	0
Contribution from Operating	(14,751)	(25,089)	(25,012)	(20,110)	(53,470)
Contrib. from Rate Capital Replacement	(16,367)	(15,382)	(7,721)	(5,813)	(14,343)
Sub Total	(179,414)	(161,235)	(172,047)	(186,463)	(244,586)
Tax Levy Impact	0	0	0	0	0

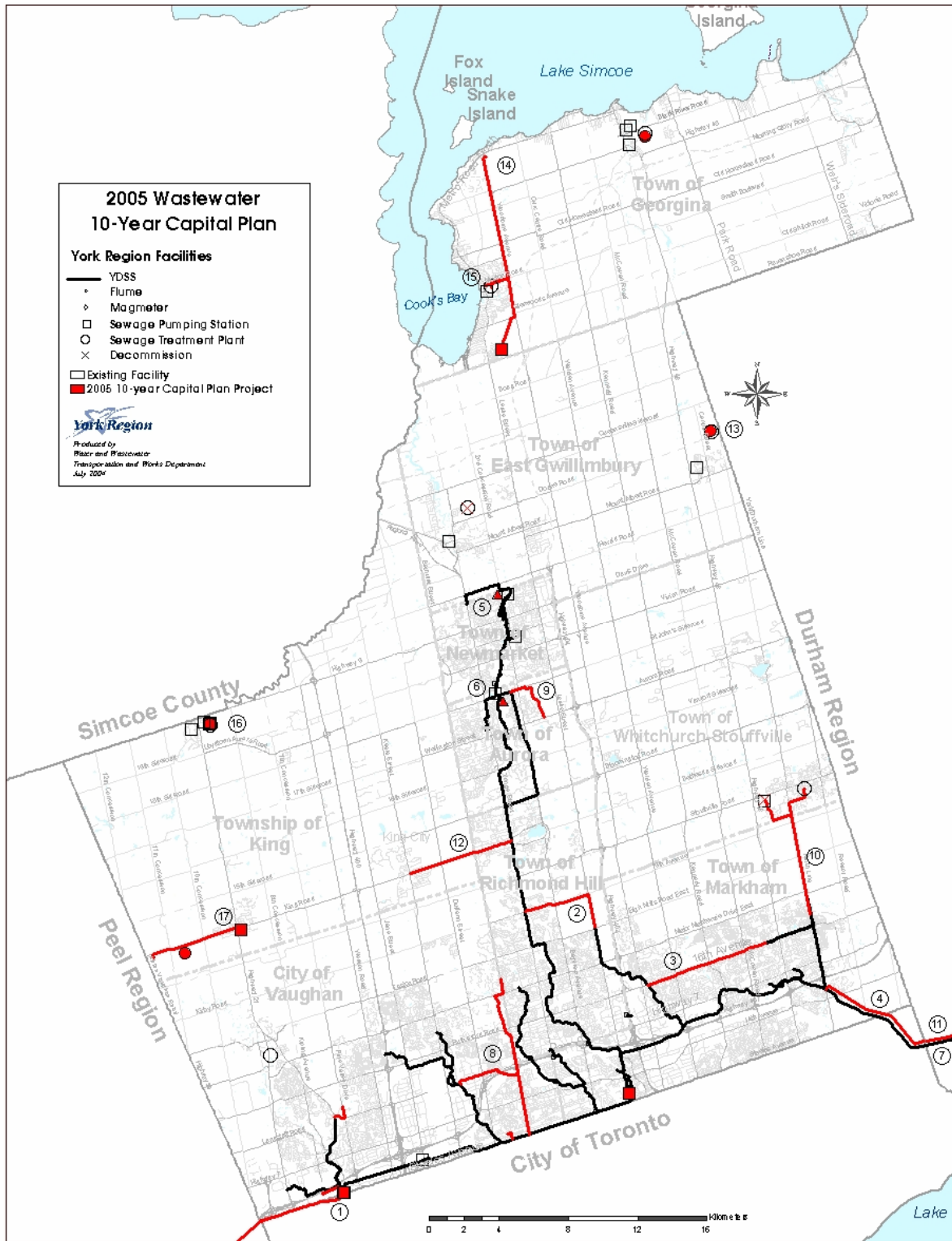
Wastewater

Net Operating Impact of New Capital Projects

\$000's	2005	2006	2007	2008-14	Total
Salaries and Benefits	69	242	330	3,405	4,046
Debt Repayment	624	8,755	17,308	281,676	308,363
Contract/Other	145	520	680	7,095	8,440
Total Gross Costs	838	9,517	18,318	292,176	320,849
Less Revenue	0	0	0	0	0
Less DC on Debt	(499)	(7,004)	(13,846)	(225,341)	(246,691)
Total Operating Impact	339	2,513	4,472	66,835	74,159

Wastewater

Capital Projects Map





Transportation & Works Department Wastewater - 2005 to 2014 10 Year Capital Plan

Project Number	Description	Approved 2004 Budget	(Cash Flow in \$000's)										Balance to Complete	Total Project		
			2005	2006	2007	2008	2009	2010	2011	2012	2013	2014				
Rehabilitation/Replacement																
73770	Asset Upgrade & Rehabilitation - Wastewater	76	3,000	5,474	3,000	3,800	3,800	4,000	4,000	4,000	4,000	4,000	4,000	4,000	0	44,804
	Total Other	76	3,000	5,474	3,000	3,800	3,800	4,000	4,000	4,000	4,000	4,000	4,000	4,000	0	44,804
Planning Studies																
79860	YDSS Inflow/Infiltration Study	459	30	0	0	0	0	0	0	0	0	0	0	0	0	489
	Total Planning Studies	459	30	0	0	0	0	0	0	0	0	0	0	0	0	489
Pumping																
77290	YDSS Black Creek PS	1,077	1,259	0	0	0	0	0	0	0	0	0	0	0	0	4,045
	Total Pumping	1,077	1,259	0	0	0	0	0	0	0	0	0	0	0	0	4,045
Third Party																
79850	YDSS Duffin Creek Upgrade	13,674	11,087	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	0	57,761
	Total Third Party	13,674	11,087	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	0	57,761
Trunk Sewer																
71160	Mount Albert Forcemain Replacement	0	110	0	0	0	0	0	0	0	0	0	0	0	0	1,920
79580	YDSS CCTV Program	313	100	100	100	100	100	100	100	100	100	100	100	100	0	1,403
	Total Trunk Sewer	313	210	100	100	100	100	100	100	100	100	100	100	100	0	3,323
	Total Rehabilitation/Replacement	15,599	22,183	10,554	8,100	8,900	8,900	9,100	4,100	4,100	4,100	4,100	4,100	4,000	0	110,422
Growth/Expansion																
Other																
39894	Capital Program Support & Allocations - Wastewater	2,446	690	1,164	1,164	1,164	1,164	1,164	1,164	1,164	1,164	1,164	1,164	1,164	0	14,776
79470	TRCA Joint Initiative	600	300	300	300	300	300	300	300	300	300	300	300	300	0	3,900
79480	LSRCA Joint Initiative	899	567	517	432	432	432	432	432	432	432	432	432	432	0	6,006
	Total Other	3,945	2,031	1,981	1,896	1,896	1,896	1,896	1,896	1,896	1,896	1,896	1,896	1,896	0	24,682
Planning Studies																
73640	System Capacity Assessment and Master Plan	5	100	780	510	510	510	780	510	510	510	510	510	510	0	5,681
73660	Sanitary Sewer Modelling	0	455	0	0	0	0	0	0	0	0	0	0	0	0	502
79100	YDSS Master Plan Update	265	100	0	0	0	0	0	0	0	0	0	0	0	0	365
77470	Kleinburg Sanitary Servicing Study EA	0	152	0	0	0	0	0	0	0	0	0	0	0	0	152
	Total Planning Studies	270	807	780	510	510	510	780	510	510	510	510	510	510	0	6,700
Pumping																
72050	High Street PS Upgrade and F/M Replacement	1,506	2,505	0	0	0	0	0	0	0	0	0	0	0	0	4,011
72220	GWS - Metro Road Main PS and Forcemain	219	5,836	0	0	0	0	0	0	0	0	0	0	0	0	12,253
73020	King City PS and Forcemain	1,098	4,666	60	60	0	0	0	0	0	0	0	0	0	0	11,535
77020	YDSS Humber PS Upgrades	5,796	50	0	0	0	0	0	0	0	0	0	0	0	0	5,846
77400	*Pine Valley Wastewater Pumping Station	0	2,430	1,724	0	0	0	0	0	0	0	0	0	0	0	7,385
79230	Joe Dales Forcemains	0	0	162	4,960	0	0	0	0	0	0	0	0	0	0	5,122
79890	YDSS-Leslie PS Upgrade	70	950	0	0	0	0	0	0	0	0	0	0	0	0	2,570
	Total Pumping	8,669	16,430	2,878	5,020	60	60	0	0	0	0	0	0	0	0	48,722
Storage																
70340	*Aurora Sewage Equalization Tank	0	290	6,145	305	0	0	0	0	0	0	0	0	0	0	9,115
795170	Newmarket Equalization Tank & Newmarket PS Upgrade	222	1,315	2,333	0	0	0	0	0	0	0	0	0	0	0	15,686
	Total Storage	222	1,605	8,478	305	0	0	0	0	0	0	0	0	0	0	24,801



Transportation & Works Department Wastewater - 2005 to 2014 10 Year Capital Plan

Project Number	Description	Approved 2004 Budget	(Cash Flow in \$000's)										Balance to Complete	Total Project			
			2005	2006	2007	2008	2009	2010	2011	2012	2013	2014					
Other																	
73670	Peel Diversion "Buy-in" Cost	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,800
73720	YDSS Duffin Creek WPCP Expansion	372	2,988	17,955	57,411	56,237	54,376	12	21	0	0	0	0	0	0	0	190,320
79740	Peel System Cost Shared Works	2,250	26,088	8,821	1,902	2,536	0	278	1,669	9,985	6,910	339	0	0	0	0	73,413
79870	YDSS Duffin Creek WPCP Optimization	14,653	9,300	2,870	175	0	0	0	0	0	0	0	0	0	0	0	46,207
	Total Third Party	17,275	38,386	29,646	59,488	58,773	54,376	290	1,690	9,985	6,910	339	0	0	0	0	323,740
Treatment																	
71070	*Mt. Albert WPCP Expansion	1,494	3,719	0	0	0	0	0	0	0	0	0	0	0	0	0	10,543
72240	Keswick WPCP Expansion	19	332	6,078	5,200	0	0	0	0	0	0	0	0	0	0	0	11,920
73050	*Nobleton Sewage Study (EA) and Wastewater Treatment Plant	391	5,100	5,050	0	0	0	0	0	0	0	0	0	0	0	0	10,791
73060	Schomberg WPCP and PS Upgrade & Class EA	270	930	2,260	5,210	0	0	0	0	0	0	0	0	0	0	0	9,460
78110	*Decommissioning of Stouffville WPCP and SPS	136	0	0	0	855	651	0	0	0	0	0	0	0	0	0	1,968
79570	*Sutton WPCP	190	0	0	110	210	110	6,320	0	0	0	0	0	0	0	0	14,685
71230	*Holland Landing Lagoons Decommissioning	0	0	0	115	1,745	0	0	0	0	0	0	0	0	0	0	1,860
	Total Treatment	10,055	5,231	13,438	15,685	1,955	965	6,971	0	0	0	0	0	0	0	0	61,227
Trunk Sewer																	
70260	*East Holland Trunk	314	4,360	30	2,352	0	0	0	0	0	0	0	0	0	0	0	9,337
71120	*YDSS - N/W Newmarket Trunk	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
73700	King City Collection System	1,197	4,950	4,850	5,010	4,450	0	0	0	0	0	0	0	0	0	0	24,663
74020	YDSS 16th Avenue Trunk (9th-Stone Mason)	20	2,629	0	0	0	0	0	0	0	0	0	0	0	0	0	27,471
74030	YDSS 16th Ave Trunk (Stone Mason-Woodbine)	3,624	12,691	15,600	14,050	0	0	0	0	0	0	0	0	0	0	0	65,488
74040	YDSS Southeast Collector	590	7,664	33,210	41,210	10,000	0	0	0	0	0	0	0	0	0	0	94,189
74190	Southeast Trunk Parallel Sewer (Pickering West)	0	0	0	0	0	0	0	340	800	9,860	10,300	0	0	0	0	21,300
76040	YDSS 19th Avenue Interceptor	41	7,754	5,036	0	0	0	0	0	0	0	0	0	0	0	0	13,575
76050	YDSS Leslie Street Lower Trunk	191	3,993	7,140	0	0	0	0	0	0	0	0	0	0	0	0	7,980
77090	*YDSS/Langstaff Trunk	590	160	14,073	7,140	0	0	0	0	0	0	0	0	0	0	0	25,123
77100	*YDSS Bathurst Collector (Phases 1 & 2)	2,043	4,439	17,481	15,826	0	0	0	0	0	0	0	0	0	0	0	44,642
77190	*YDSS Woodbridge Trunk Relief Sewer	4,638	50	0	0	0	0	0	0	0	0	0	0	0	0	0	4,688
77200	YDSS Humber Forcemain to Peel	8,477	265	0	0	0	0	0	0	0	0	0	0	0	0	0	46,165
77310	West Rainbow Trunk Sewer	24	610	1,200	0	0	0	0	0	0	0	0	0	0	0	0	2,375
77330	Division of Concord Sub-trunk	0	0	225	65	770	0	0	0	0	0	0	0	0	0	0	1,060
77340	Pine Valley Relief Sewer	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
78050	*9th Line Trunk Sewer Extension to Stouffville	3,361	7,273	0	0	0	0	0	0	0	0	0	0	0	0	0	21,373
77510	* Bathurst Trunk Sewer, Phase 3	0	1,210	2,720	0	0	0	0	0	0	0	0	0	0	0	0	3,930
73250	* Nobleton - Pumping Station, Forcemain and Trunk Sewer	0	65	1,585	1,585	0	0	0	0	0	0	0	0	0	0	0	3,235
71220	* Queensville/Holland Landing Trunk Sewer and Queensville/Bradford P	0	200	680	6,187	0	0	200	0	0	0	0	0	0	0	0	13,255
	Total Trunk Sewer	49,971	58,263	99,491	93,426	21,407	0	0	340	800	9,860	10,300	0	0	0	0	429,958
	Total Growth/Expansion	160,008	134,240	186,692	176,330	84,601	57,747	9,667	4,706	13,191	19,176	13,045	0	0	0	0	919,830
Service Improvement/Enhancement																	
Other																	
72280	GST Savings - Wastewater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73680	Screenings Management Strategy	160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	160
73690	Best Practices (Wastewater)	467	450	200	120	110	100	100	0	0	0	0	0	0	0	0	2,147
73740	B.P. - SCADA Infrastructure Assessment - Wastewater	155	900	700	300	0	0	0	0	0	0	0	0	0	0	0	2,305
73750	Facilities Energy Audit - Wastewater	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69
73760	Facility Security Upgrades - Wastewater	9	330	300	0	0	0	0	0	0	0	0	0	0	0	0	989



Transportation & Works Department Wastewater - 2005 to 2014 10 Year Capital Plan

Project Number	Description	Approved Budget 2004	Costs to Dec 31/03	(Cash Flow in \$000's)										Balance to Complete	Total Project	
				2005	2006	2007	2008	2009	2010	2011	2012	2013	2014			
79980	YDSS Odour Control	1,410	2,084	942	891	713	2,060	1,683	0	0	0	0	0	0	0	9,783
73550	POMS Implementation	0	0	0	160	270	0	0	0	0	0	0	0	0	0	430
73560	ISMP - Integration Implementation	0	0	260	360	0	0	0	0	0	0	0	0	0	0	980
73570	ISMP Projects Implementation	0	0	460	460	270	0	0	0	0	0	0	0	0	0	1,190
	Total Other	2,820	2,733	3,342	3,071	2,033	2,170	1,783	100	0	0	0	0	0	0	18,052
Planning Studies																
73730	Sludge Management Program	0	0	220	0	0	0	0	0	0	0	0	0	0	0	220
	Total Planning Studies	0	0	220	0	0	0	0	0	0	0	0	0	0	0	220
Pumping																
73650	YDSS Overflow Security Implementation	0	0	1,250	1,730	0	0	0	0	0	0	0	0	0	0	3,980
	Total Pumping	0	1,000	1,250	1,730	0	0	0	0	0	0	0	0	0	0	3,980
Completed 2003 Projects																
			6,050													6,050
Total Service Improvement/Enhancement				3,820	4,801	2,033	2,170	1,783	100	0	0	0	0	0	0	28,302
Total Gross Expenditures				114,809	179,414	186,463	95,671	68,630	13,867	8,806	17,291	23,276	17,045	0	1,058,554	
Financing Sources																
Regional Sources																
	Tax Levy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(0)
	Www Contribution from Operating	14,956	9,775	23,111	24,797	20,110	8,276	6,665	9,904	6,200	6,238	8,050	8,138	0	146,219	
	Development Charge	2,239	4,976	1,978	215	0	0	0	0	0	0	0	0	0	9,407	
	D.C. Previously Committed	10,481	8,711	32,577	31,540	34,559	8,983	328	328	816	968	8,216	8,568	0	146,075	
	Developer Front-end Direct Contribution	5,109	6,422	0	0	0	0	0	0	0	0	0	0	0	11,531	
	Wastewater Rate Capital Replacement Reserve	14,810	25,407	20,808	38,968	33,223	8,029	478	3,245	0	0	0	0	0	144,970	
	Debentures	16,614	16,367	15,382	7,721	5,813	7,160	6,783	100	100	100	100	100	0	76,241	
	Sub - Total Regional Sources	48,672	103,550	62,429	63,956	87,748	58,773	54,376	290	1,690	9,985	6,910	339	0	498,718	
	External Sources	112,881	175,208	167,197	181,453	91,221	68,630	13,867	8,806	17,291	23,276	17,045	0	1,033,160		
	Federal Funding	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Provincial Funding	0	0	0	0	0	0	0	0	0	0	0	0	0	120	
	Municipal/Local	1,223	4,206	4,950	4,850	5,010	4,450	0	0	0	0	0	0	0	24,689	
	Other Recoveries (3rd Party)	0	0	0	0	0	0	0	0	0	0	0	0	0	585	
	Sub - Total External Sources	1,928	4,206	4,950	4,850	5,010	4,450	0	0	0	0	0	0	0	25,394	
Total Financing				114,809	179,414	186,463	95,671	68,630	13,867	8,806	17,291	23,276	17,045	0	1,058,554	

Debt Repayment Sources																
	User Rate (20%)	9,734	20,710	12,486	12,791	17,550	11,755	10,875	58	338	1,997	1,382	68	0	99,744	
	Development Charges (80%)	38,937	82,840	49,943	51,165	70,198	47,018	43,501	232	1,352	7,988	5,528	271	0	398,974	
	Other (specify)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Debt Repayment Requirements				48,672	103,550	62,429	58,773	54,376	290	1,690	9,985	6,910	339	0	498,718	



Total 2005 Capital Project Budget Detail

Gross Expense, Revenue and Net Levy By Regional Department, Business Plan and Capital Programs

Department: Wastewater Program: All Programs		Capital Project Total	Reserve-Tax Levy	Contribution From Reserves	Debtenture Proceeds	Development Charges	User Rate	Grants and Subsidies	Other Recoveries
		(\$ Dollars)							
39894	Capital Project Management	1,164,000	-	-	-	-	1,164,000	-	-
70260	East Holland Trunk	4,360,000	-	-	-	-	872,000	-	3,488,000
70340	Aurora Sewage Equalization Tank	2,375,000	-	-	-	1,900,000	475,000	-	-
71070	Mount Albert WPCP Expansion	3,719,000	-	-	-	-	1,419,000	-	2,300,000
71160	Mount Albert Force Main Assessment	1,810,000	-	90,000	-	-	1,720,000	-	-
71220	Queensville/Holland Lading Tru	200,000	-	-	-	-	-	-	200,000
72220	GWSMetro Rd Main PS&FM	6,198,000	-	-	-	4,958,400	1,239,600	-	-
72240	Keswick WPCP EA Study	332,000	-	-	-	265,600	66,400	-	-
73020	King City Sewage Study EA	4,666,000	-	-	-	3,032,900	1,633,100	-	-
73050	Nobleton Sewage Study EA	250,000	-	-	-	-	-	-	250,000
73060	Schomberg WPCP Improvement	930,000	-	-	-	744,000	186,000	-	-
73250	Nobleton PS, Force Main, TS	65,000	-	-	-	-	-	-	65,000
73560	ismp-integration implementatio	260,000	-	-	-	-	260,000	-	-
73570	ISMP Project Implementation	460,000	-	-	-	-	460,000	-	-
73640	System Capacity Assess/Optimi	446,000	-	-	-	328,000	118,000	-	-
73650	YDSS Overflow Security Implement	1,250,000	-	1,250,000	-	-	-	-	-
73660	Sanitary Sewer Modeling	47,000	-	-	-	37,600	9,400	-	-
73690	Hauled Sewage Oper. Upgrades	450,000	-	-	-	-	450,000	-	-
73700	King City Collection System	4,950,000	-	-	-	-	-	-	4,950,000
73720	YDSS Duffin Creek WPCP Expansion	2,998,000	-	-	2,998,000	-	-	-	-
73730	Sludge Management Program	220,000	-	100,000	-	-	120,000	-	-
73740	SCADA Infrastructure Ass. - WW	900,000	-	900,000	-	-	-	-	-
73760	Facilities Security Upgrade-WW	330,000	-	-	-	-	330,000	-	-
73770	Asset Upgrade & Rehab (WW)	5,474,000	-	-	-	-	5,474,000	-	-
74020	YDSS 16A V8th Stone Mason	2,629,000	-	-	2,629,000	-	-	-	-
74030	YDSS 16A V Stone Mason W/bne	12,691,000	-	-	12,691,000	-	-	-	-
74040	YDSS Southeast Collector	7,664,000	-	-	5,110,000	2,043,200	510,800	-	-
75170	Newmarket Equalization Tank	11,816,000	-	-	-	9,452,800	2,363,200	-	-
76040	YDSS/19th Ave Interceptor	7,754,000	-	-	-	6,203,200	1,550,800	-	-
76050	YDSS/Lower Leslie Trunk Sewer	3,993,000	-	-	3,613,000	304,000	76,000	-	-
77090	YDSS Langstaff Trunk	160,000	-	-	-	-	32,000	-	128,000
77100	YDSS at Langstaff Trunk	4,439,000	-	887,800	-	-	-	-	3,551,200
77200	Humber Force Main to Peel	265,000	-	-	-	212,000	53,000	-	-
77290	Black Creek PS	1,709,000	-	-	-	1,367,200	341,800	-	-
77310	West Rainbow Trunk Sewer	610,000	-	-	-	488,000	122,000	-	-
77400	Pine Valley Waste Water PS	3,231,000	-	-	-	-	646,200	-	2,584,800

Total 2005 Capital Project Budget Detail

Gross Expense, Revenue and Net Levy By Regional Department, Business Plan and Capital Programs

Department: Wastewater
Program: All Programs

	Capital Project Total	Reserve-Tax Levy	Contribution From Reserves	Debtenture Proceeds	Development Charges	User Rate	Grants and Subsidies	Other Recoveries
	1,210,000	-	-	-	-	242,000	-	968,000
77510	1,210,000	-	-	-	-	242,000	-	968,000
78050	7,273,000	-	-	-	-	-	-	7,273,000
79470	300,000	-	-	-	-	300,000	-	-
79480	567,000	-	-	-	-	567,000	-	-
79680	190,000	-	190,000	-	-	-	-	-
79740	26,088,000	-	-	26,088,000	-	-	-	-
79850	13,000,000	-	13,000,000	-	-	-	-	-
79870	9,300,000	-	-	9,300,000	-	-	-	-
79890	1,550,000	-	-	-	1,240,000	310,000	-	-
79980	942,000	-	942,000	-	-	-	-	-
	161,235,000	-	17,359,800	62,429,000	32,576,900	23,111,300	-	25,758,000

WasteWater Capital



Transportation & Works Department

Wastewater - 2005 to 2014 10 Year Capital Plan

Project Number Description	Approved 2004 Budget	To be Spent in 2004	Carry Forward Into 2005	Carry Forward Into 2006
Rehabilitation/Replacement				
Other				
73770 Asset Upgrade & Rehabilitation - Wastewater	3,000	6,074	0	0
Total Other	3,000	6,074	0	0
Planning Studies				
79860 YDSS Inflow/Infiltration Study	30	30	0	0
Total Planning Studies	30	30	0	0
Pumping				
77290 YDSS Black Creek PS	1,259	732	527	0
Total Pumping	1,259	732	527	0
Third Party				
79850 YDSS Duffin Creek Upgrade	11,087	11,087	0	0
Total Third Party	11,087	11,087	0	0
Trunk Sewer				
71160 Mount Albert Forcemain Replacement	110	1,710	0	0
79580 YDSS CCTV Program	100	80	0	0
Total Trunk Sewer	210	1,790	0	0
Total Rehabilitation/Replacement				
	15,586	19,713	527	0
Growth/Expansion				
Other				
39894 Capital Program Support & Allocations - Wastewater	690	0	0	0
79470 TRCA Joint Initiative	300	300	0	0
79480 LSRCA Joint Initiative	567	567	0	0
Total Other	1,557	867	0	0
Planning Studies				
73640 System Capacity Assessment and Master Plan	100	90	10	0
73660 Sanitary Sewer Modelling	455	445	10	0
79100 YDSS Master Plan Update	100	15	85	0
77470 Kleinburg Sanitary Servicing Study EA	152	45	107	0
Total Planning Studies	807	595	212	0
Pumping				
72050 High Street PS Upgrade and F/M Replacement	2,505	2,479	0	0
72220 GWS - Metro Road Main PS and Forcemain	5,836	1,312	4,524	0
73020 King City PS and Forcemain	4,659	415	4,244	0
77020 YDSS Humber PS Upgrades	50	0	50	0
77400 *Pine Valley Wastewater Pumping Station	2,430	815	1,615	0
72230 Joe Dales Forcemains	0	0	0	0
79890 YDSS-Leslie PS Upgrade	950	663	287	0
Total Pumping	16,430	5,684	10,720	0
Storage				
70340 *Aurora Sewage Equalization Tank	290	110	180	0
75170 Newmarket Equalization Tank & Newmarket PS Upgrade	1,315	310	615	0
Total Storage	1,605	420	795	0



Transportation & Works Department

Wastewater - 2005 to 2014 10 Year Capital Plan

Project Number Description	Approved 2004 Budget	To be Spent in 2004	Carry Forward Into 2005	Carry Forward Into 2006
Other				
73670 Peel Diversion "Buy-in" Cost	13,800	0	13,800	0
73720 YDSS Duffin Creek WPCP Expansion	938	100	838	0
79740 Peel System Cost Shared Works	12,635	12,635	0	0
79870 YDSS Duffin Creek WPCP Optimization	19,209	19,131	0	0
Total Third Party	46,582	31,866	14,638	0
Treatment				
71070 *Mt. Albert WPCP Expansion	5,330	7,500	0	0
72240 Keswick WPCP Expansion	291	100	191	0
73050 *Nobleton Sewage Study (EA.) and Wastewater Treatment Plant	0	0	0	0
73060 Schomberg WPCP and PS Upgrade & Class EA	790	685	105	0
78110 *Decommissioning of Stouffville WPCP and SPS	326	0	320	0
79570 *Sutton WPCP	190	28	162	0
71230 * Holland Landing Lagoons Decommissioning	0	0	0	0
Total Treatment	6,927	8,313	778	0
Trunk Sewer				
70260 *East Holland Trunk	2,281	2,331	0	0
71120 *YDSS - N/W Newmarket Trunk	30	0	30	0
73700 King City Collection System	4,206	145	4,061	0
74020 YDSS 16th Avenue Trunk (9th-Stone Mason)	20	2,649	0	0
74030 YDSS 16th Ave Trunk (Stone Mason-Woodbine)	19,523	11,550	7,973	15,550
74040 YDSS Southeast Collector	1,515	1,189	326	0
74190 Southeast Trunk Parallel Sewer (Pickering West)	0	0	0	0
76040 YDSS 19th Avenue Interceptor	744	1,781	0	0
76050 YDSS Leslie Street Lower Trunk	995	695	300	0
77090 *#YDSS/Langstaff Trunk	3,160	10	1,150	2,000
77100 *YDSS Bathurst Collector (Phases 1 & 2)	4,853	1,365	1,568	2,000
77190 *#YDSS Woodbridge Trunk Relief Sewer	50	0	50	0
77200 YDSS Humber Forcemain to Peel	37,423	33,783	3,640	0
77310 West Rainbow Trunk Sewer	541	20	521	0
77330 Diversion of Concord Sub-trunk	0	0	0	0
77340 Pine Valley Relief Sewer	20	20	0	0
78050 *9th Line Trunk Sewer Extension to Stouffville	10,739	10,910	0	0
77510 * Bathurst Trunk Sewer Phase 3	0	0	0	0
73250 * Nobleton - Pumping Station, Forcemain and Trunk Sewer	0	0	0	0
71220 * Queensville/Holland Landing Trunk Sewer and Queensville/Bradford Pumping Stations	0	0	0	0
Total Trunk Sewer	86,100	66,448	19,619	19,550
Total Growth/Expansion				
	160,008	114,193	46,762	19,550
Service Improvement/Enhancement				
Other				
72280 GST Savings - Wastewater	0	(4,938)	0	0
73680 Screenings Management Strategy	160	0	160	0
73690 Best Practices (Wastewater)	600	450	150	0
73740 B.P. - SCADA Infrastructure Assessment - Wastewater	250	270	0	0
73750 Facilities Energy Audit - Wastewater	50	0	50	0
73760 Facility Security Upgrades - Wastewater	350	0	350	0



Transportation & Works Department
Wastewater - 2005 to 2014 10 Year Capital Plan

Project Number	Description	Approved 2004 Budget	To be Spent in 2004	Carry Forward Into 2005	Carry Forward Into 2006
79980	YDSS Odour Control	1,410	60	1,350	0
73550	POMS Implementation	0	0	0	0
73560	ISMP - Integration Implementation	0	0	0	0
73570	ISMP Projects Implementation	0	0	0	0
Total Other		2,820	(4,158)	2,060	0
Planning Studies					
73730	Sludge Management Program	0	0	0	0
Total Planning Studies		0	0	0	0
Pumping					
73650	YDSS Overflow Security Implementation	1,000	0	1,000	0
Total Pumping		1,000	0	1,000	0
Total Service Improvement/Enhancement		3,820	(4,158)	3,060	0
Total Gross Expenditures		179,414	129,748	50,349	19,550
Financing Sources					
Regional Sources					
	Tax Levy	0	0	0	0
	Www Contribution from Operating	9,775	5,411	0	0
	Www Committed Non-Growth User Rate	4,976	3,099	4,500	800
	Development Charge	8,711	2,760	0	0
	D.C. Previously Committed	6,422	4,025	8,449	0
	Developer Front-end Direct Contribution	25,407	17,744	3,865	3,200
	Wastewater Rate Capital Replacement Reserve	16,367	22,935	2,597	0
	Debentures	103,550	73,745	26,877	15,550
Sub - Total Regional Sources		175,208	129,719	46,288	19,550
External Sources					
	Federal Funding	0	0	0	0
	Provincial Funding	0	0	0	0
	Municipal/ Local	4,206	29	4,061	0
	Other Recoveries (3rd Party)	0	0	0	0
Sub - Total External Sources		4,206	29	4,061	0
Total Financing		179,414	129,748	50,349	19,550
Debenture Repayment Sources					
	User Rate (20%)	20,710	14,749	5,375	3,110
	Development Charges (80%)	82,840	58,996	21,502	12,440
	Other (specify)	0	0	0	0
Total Debenture Requirements		103,550	73,745	26,877	15,550

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Water & Wastewater

	PROJECT NUMBER PROJECT NAME LOCATION MUNICIPALITY PROJECT MANAGER BRANCH START DATE COMPLETION DATE
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DESCRIPTION OF PROJECT:
 The Region's 10-Year Wastewater Capital program is based upon the York Durham Sewerage System Master Plan Update. This program will provide for a strategy to ensure adequate treatment capacity and infrastructure is constructed and planned for to meet the projected growth of the Region.

DELIVERABLE QUANTITY **UNITS**

NEED FOR PROJECT:
 New infrastructure is required to satisfy growth in the Region. Rehabilitation and replacement of existing infrastructure is required as it ages. Effective management of the wastewater facilities will be critical in ensuring a reliable wastewater collection system in the future.

NEED CATEGORY

BENEFIT TO COMMUNITY / REGION:
 The Region's 10-Year Wastewater Capital program allows for the future development of local residential and employment lands and recreation facilities. Capacity increases will reduce the possibility of sewage spills and ongoing facility upgrades provide protection against system failures. All of this provides for a better quality of life and local environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	108,759	179,414	161,235	172,047	186,463	244,586	0	1,052,504
Revenue Sources								
Reserve- WW Tax Levy	-0	0	0	0	0	0	0	-0
DC	14,226	15,133	32,577	31,540	34,559	28,207	0	156,242
Fees / Charges								0
Other	94,533	164,281	128,658	140,507	151,904	216,379	0	896,262
Total	108,759	179,414	161,235	172,047	186,463	244,586	0	1,052,504

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	69	242	330	3,405	4,046
Debt Repayment	624	8,755	17,308	281,676	308,363
Other	145	520	680	7,095	8,440
Total Gross Cost	838	9,517	18,318	292,176	320,849
Less Revenue (specify)	0	0	0	0	0
Less Savings on Debt (80%)	499	7,004	13,846	225,341	246,691
Total Net Cost	339	2,513	4,472	66,835	74,159

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	709	2,081	2,979	82,506	728,478	816,753
Source 2 (specify)	0	0	0	0	0	0
Total	709	2,081	2,979	82,506	728,478	816,753

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	39894
PROJECT NAME	Capital Program Support & Allocations - Wastewater
LOCATION	n/a
MUNICIPALITY	n/a
PROJECT MANAGER	Sue - Mark, Nancy / Korolnek, Debbie
YEAR PROJECT INTRODUCED	2002
START DATE	
COMPLETION DATE	Ongoing

DESCRIPTION OF PROJECT:

This project covers indirect costs from Internal Corporate Departments such as T&W Business Support Services, Infrastructure Planning and Infrastructure Design & Construction staff that are not directly attributable to specific projects.

DELIVERABLE QUANTITY

UNITS

NEED FOR PROJECT:

Capital projects require resources from Support departments, Business Support Services, and Infrastructure Planning and Infrastructure Design & Construction support staff to facilitate their completion.

NEED CATEGORY

Growth/Expansion

BENEFIT TO COMMUNITY / REGION:

Completion of the new capital projects will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	2,446	690	1,164	1,164	1,164	8,148	0	14,776
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	2,446	690	1,164	1,164	1,164	8,148	0	14,776
Total	2,446	690	1,164	1,164	1,164	8,148	0	14,776

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

The 2003 Budget includes consultant charge for the review of the Water & Wastewater Reserve to determine their adequacy in light of new environmental standards.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	70260
PROJECT NAME	"East Holland Trunk
LOCATION	Phase I: St. John's Sdrd from Industrial Pkwy to east of Bayview (St. John)
MUNICIPALITY	Aurora
PROJECT MANAGER	Hrkac, Tom
YEAR PROJECT INTRODUCED	2002
START DATE	Jun 2002
COMPLETION DATE	Dec 2007

DESCRIPTION OF PROJECT:

This project involves the design and construction of the East Holland Trunk sanitary sewer. There will be two phases to the project: Phase I: St. John's Sideroad from Industrial Pkwy to east of Bayview; and Phase II: East of Bayview, St. John's Sdrd to Wellington St (Tableland).

DELIVERABLE QUANTITY	3.2	UNITS	km
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NEED FOR PROJECT:

The East Holland Trunk will convey industrial and residential flows from properties within the area bounded by Bayview Ave, the Aurora-Newmarket border, Hwy 404 and the south limit of the golf course lands south of Wellington Street in the Town of Aurora.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	314	2,281	4,360	30	2,352	0	0	9,337
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	107	0	0	0	0	0	0	107
Fees / Charges								0
Other	207	2,281	4,360	30	2,352	0	0	9,230
Total	314	2,281	4,360	30	2,352	0	0	9,337

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	56	56
Debt Repayment	0	0	0	0	0
Other	0	0	0	180	180
Total Gross Cost	0	0	0	236	236
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	236	236

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	1,309	8,028	9,337
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	1,309	8,028	9,337

SERVICE LIFE YEARS: 50

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	70340
PROJECT NAME	* Aurora Sewage Equalization Tank
LOCATION	St. John's Sideroad and Old Yonge Street
MUNICIPALITY	Aurora
PROJECT MANAGER	Ferguson, Euan
YEAR PROJECT INTRODUCED	2003
START DATE	
COMPLETION DATE	Dec 2007

DESCRIPTION OF PROJECT:

The construction of a new inflow/infiltration sanitary sewage equalization tank.

DELIVERABLE QUANTITY	6.500	UNITS	cu.m.
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NEED FOR PROJECT:

The new equalization tank will minimize peak flows to the pumps, thereby maximizing the system capacity.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of the this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	290	2,375	6,145	305	0	0	9,115
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	32	1,900	4,916	244	0	0	7,092
Fees / Charges								0
Other	0	258	475	1,229	61	0	0	2,023
Total	0	290	2,375	6,145	305	0	0	9,115

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	56	56
Debt Repayment	0	0	0	0	0
Other	0	0	0	210	210
Total Gross Cost	0	0	0	266	266
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	266	266

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	1,274	7,841	9,115
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	1,274	7,841	9,115

SERVICE LIFE YEARS:	50
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COMMENTS:

Developer is funding the EA study.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	71070
PROJECT NAME	*Mt. Albert WPCP Expansion
LOCATION	Mount Albert WPCP site
MUNICIPALITY	East Gwillimbury
PROJECT MANAGER	Aranyasundaran, Bala
YEAR PROJECT INTRODUCED	2001
START DATE	
COMPLETION DATE	Jun 2005

DESCRIPTION OF PROJECT:

Expansion from a 683 cu.m./day facility to a 2043 cu.m./day facility.

DELIVERABLE QUANTITY	2043	UNITS	cu.m./day
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NEED FOR PROJECT:

The increased plant capacity is required to deal with projected increased sanitary sewage flows, thereby accomodating growth and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of the plant expansion will allow for development of local employment lands and recreational facilities etc., which will improve the quality of life for York Region residents. Also, the increased plant capacity will reduce the possibility of sewage spills and fines, thereby safeguarding the environment and saving taxpayers money.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	1,494	5,330	3,719	0	0	0	0	10,543
Revenue Sources								
Tax Levy	-0	0	0	0	0	0	0	-0
DC	238	0	0	0	0	0	0	238
Fees / Charges								0
Other	1,256	5,330	3,719	0	0	0	0	10,305
Total	1,494	5,330	3,719	0	0	0	0	10,543

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	0	21	21	147	189
Debt Repayment	0	0	0	0	0
Other	0	45	45	315	405
Total Gross Cost	0	66	66	462	594
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	66	66	462	594

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	211	211	1,477	8,644	10,543
Source 2 (specify)	0	0	0	0	0	0
Total	0	211	211	1,477	8,644	10,543

SERVICE LIFE YEARS: 50

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

BUSINESS UNIT

Transportation & Works

Wastewater

PROJECT NUMBER	71120
PROJECT NAME	*YDSS - N/W Newmarket Trunk
LOCATION	Green Lane
MUNICIPALITY	East Gwillimbury
PROJECT MANAGER	Fung, Stephen
YEAR PROJECT INTRODUCED	2000
START DATE	
COMPLETION DATE	Apr 2005

DESCRIPTION OF PROJECT:

Design and construction of two trunk sewer upstream and downstream of the existing Green Lane Sewer to connect the Northwest newmarket Secondary Plan area to the existing Newmarket Pumping Station.

DELIVERABLE QUANTITY	2	UNITS	km
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NEED FOR PROJECT:

Permit growth in Newmarket and East Gwillimbury.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Permit growth in Newmarket and East Gwillimbury.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	30	30	0	0	0	0	0	60
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								
Other	30	30	0	0	0	0	0	60
Total	30	30	0	0	0	0	0	60

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	1	1	1	7	0	10
Source 2 (specify)	0	0	0	0	0	0
Total	1	1	1	7	0	10

SERVICE LIFE YEARS: 50

COMMENTS:

Project is up-front financed by developer. Project will be departing the 10 Year Capital Program. Project is substantially completed.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	71160
PROJECT NAME	Mount Albert Forcemain Replacement
LOCATION	Mount Albert
MUNICIPALITY	East Gwillimbury
PROJECT MANAGER	Araniyasundaran, Bala
YEAR PROJECT INTRODUCED	2002
START DATE	
COMPLETION DATE	Dec 2005

DESCRIPTION OF PROJECT:

This project involves the replacement and rehabilitation of the existing sanitary feedermain in Mount Albert.

DELIVERABLE QUANTITY	2	UNITS	km
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NEED FOR PROJECT:

The existing forcemain is subject to breakage to an extent that warrants the replacement and rehabilitation of the forcemain.

NEED CATEGORY	Rehabilitation/Replacement
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BENEFIT TO COMMUNITY / REGION:

Increased service reliability and enhanced protection of the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	110	1,810	0	0	0	0	1,920
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								
Other	0	110	1,810	0	0	0	0	1,920
Total	0	110	1,810	0	0	0	0	1,920

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	8	8	56	72
Debt Repayment	0	0	0	0	0
Other	0	25	25	175	225
Total Gross Cost	0	33	33	231	297
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	33	33	231	297

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	38	38	266	0	342
Source 2 (specify)	0	0	0	0	0	0
Total	0	38	38	266	0	342

SERVICE LIFE YEARS: 50

COMMENTS:

Preliminary assessment completed. Design to be undertaken in 2004.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

BUSINESS UNIT

Transportation & Works

Wastewater

PROJECT NUMBER	71220
PROJECT NAME	* Queensville/Holland Landing Trunk Sewer and Queensville/Bradford Pumping Stations
LOCATION	From Holland Landing and Queensville to Newmarket Pumping Station
MUNICIPALITY	East Gwillimbury
PROJECT MANAGER	Araniyasundaran, Bala
YEAR PROJECT INTRODUCED	2005
START DATE	
COMPLETION DATE	Dec 2008

DESCRIPTION OF PROJECT:

Planning, design and construction of a new sewage pumping station in Queensville and a replacement pumping station in Bradford. Also, planning, design and construction of a trunk sewer in Queensville/Holland Landing from Holland Landing pumping station to Second Concession Road via Bradford Street, Thompson Drive and Mount Albert Road, connecting to the Second Concession trunk from Queensville pumping station to Newmarket pumping station via Rogers Reservoir and Hydro Easement.

DELIVERABLE QUANTITY	8.7	UNITS	km
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NEED FOR PROJECT:

To connect Queensville/Holland Landing to the YDSS to provide secure sewage servicing capacity and to accommodate population and economic growth in Queensville/Holland Landing.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Increased and secure sewage servicing capacity to Queensville/Holland Landing will accommodate future employment and residential lands, recreational areas, etc., thus improving the quality of life for York Region residents.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	0	200	680	6,188	6,187	0	13,255
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	0	0	200	680	6,188	6,187	0	13,255
Total	0	0	200	680	6,188	6,187	0	13,255

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	126	126
Debt Repayment	0	0	0	0	0
Other	0	0	0	150	150
Total Gross Cost	0	0	0	276	276
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	276	276

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	1,590	11,665	13,255
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	1,590	11,665	13,255

SERVICE LIFE YEARS: 50

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER

71230

PROJECT NAME

* Holland Landing Lagoons Decommissioning

LOCATION

Holland Landing

MUNICIPALITY

East Gwillimbury

PROJECT MANAGER

Araniyasundaran, Bala

YEAR PROJECT INTRODUCED

2005

START DATE

COMPLETION DATE

Dec 2008

DESCRIPTION OF PROJECT:

Planning and decommissioning of the Holland Landing Lagoons.

DELIVERABLE QUANTITY

1

UNITS

NEED FOR PROJECT:

Holland Landing will be connecting to the YDSS via the Queensville/Holland Landing Trunk Sewer to accommodate population and economic growth in the community and to provide a secure sewage servicing capacity. The lagoons will no longer be used for sewage treatment and must be decommissioned.

NEED CATEGORY

Growth/Expansion

BENEFIT TO COMMUNITY / REGION:

Increased and secure sewage servicing capacity in Holland Landing will accommodate future employment and residential lands, and improve the quality of life for its residents.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	0	0	0	115	1,745	0	1,860
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								
Other	0	0	0	0	115	1,745	0	1,860
Total	0	0	0	0	115	1,745	0	1,860

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	72050
PROJECT NAME	High Street PS Upgrade and F/M Replacement
LOCATION	High Street, Sutton
MUNICIPALITY	Georgina
PROJECT MANAGER	Iampietro, Mike
YEAR PROJECT INTRODUCED	2001
START DATE	
COMPLETION DATE	Jul 2004

DESCRIPTION OF PROJECT:

Construction of a new pumping station and a replacement 350 mm forcemain from new High Street Pumping Station to Sutton WPCP

DELIVERABLE QUANTITY	110	UNITS	L/s
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NEED FOR PROJECT:

Address the issue of increased wastewater flow from Sutton Community.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Permit growth in community.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	1,506	2,505	0	0	0	0	0	4,011
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								
Other	1,506	2,505	0	0	0	0	0	4,011
Total	1,506	2,505	0	0	0	0	0	4,011

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	21	21	21	147	210
Debt Repayment	0	0	0	0	0
Other	40	40	40	280	400
Total Gross Cost	61	61	61	427	610
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	61	61	61	427	610

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	53	53	53	371	3,481	4,011
Source 2 (specify)	0	0	0	0	0	0
Total	53	53	53	371	3,481	4,011

SERVICE LIFE YEARS: 75

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	72220
PROJECT NAME	GWS - Metro Road Main PS and Forcemain
LOCATION	Metro Rd at Woodbine, and sewer from PS to Keswick WPCP along Woodbine Ave.
MUNICIPALITY	Georgina
PROJECT MANAGER	Coombs, Adrian
YEAR PROJECT INTRODUCED	2003
START DATE	
COMPLETION DATE	Nov 2005

DESCRIPTION OF PROJECT:

The work will include construction of a sewage pumping station at Metro rd & Woodbine Ave. and a sewer forcemain from the sewage pumping station south along Woodbine to the Keswick Water Pollution Control plant.

DELIVERABLE QUANTITY	290	UNITS	L/s
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NEED FOR PROJECT:

To accommodate/support projected population and economic growth and to service the Town of Georgina's implementation program for local water and sanitary servicing of the communities between Keswick and Sifton. The feedermain system from the new WTP along Metro Rd and Woodbine Ave to Old Homestead as well as the Metro Rd. Sewage Pumping Station and forcemain were identified as fasttracked projects to meet Georgina's start-up time line.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Permit future growth and provide municipal sewer service to Willow Beach area.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	219	5,836	6,198	0	0	0	0	12,253
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	175	4,669	4,958	0	0	0	0	9,803
Fees / Charges								0
Other	44	1,167	1,240	0	0	0	0	2,451
Total	219	5,836	6,198	0	0	0	0	12,253

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	11	11	77	99
Debt Repayment	0	0	0	0	0
Other	0	35	35	245	315
Total Gross Cost	0	46	46	322	414
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	46	46	322	414

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	163	163	1,141	10,786	12,253
Source 2 (specify)	0	0	0	0	0	0
Total	0	163	163	1,141	10,786	12,253

SERVICE LIFE YEARS:	75
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COMMENTS:

Required to include the intersection works at Woodbine Ave and Old Homestead Road and Woodbine Ave at Church street. The above noted cost estimate does not include the intersection works.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER

72230

PROJECT NAME

Joe Dales Forcemains

LOCATION

North of Ravenshoe Rd, east of The Queensway South

MUNICIPALITY

Georgina

PROJECT MANAGER

Araniyasundaran, Bala

YEAR PROJECT INTRODUCED

2005

START DATE

COMPLETION DATE

Nov 2007

DESCRIPTION OF PROJECT:

Construction of a twin forcemain connecting to the existing Keswick sewage treatment plant.

DELIVERABLE QUANTITY

6

UNITS

km

NEED FOR PROJECT:

To allow for more development in the South Keswick Development Area.

NEED CATEGORY

Growth/Expansion

BENEFIT TO COMMUNITY / REGION:

Increased sewage servicing capacity to Keswick will accommodate future employment and residential lands, recreational areas etc., thus improving the quality of life for York Region residents.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	0	0	162	4,960	0	0	5,122
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	130	3,968	0	0	4,098
Fees / Charges								0
Other	0	0	0	32	992	0	0	1,024
Total	0	0	0	162	4,960	0	0	5,122

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	21	21	147	189
Debt Repayment	0	0	0	0	0
Other	0	25	25	175	225
Total Gross Cost	0	46	46	322	414
Less Revenue (specify) _____	0	0	0	0	0
Less DC on Debt 0.8 _____	0	0	0	0	0
Total Net Cost	0	46	46	322	414

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify) _____	0	34	34	238	4,816	5,122
Source 2 (specify) _____	0	0	0	0	0	0
Total	0	34	34	238	4,816	5,122

SERVICE LIFE YEARS:

75

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	72240
PROJECT NAME	Keswick WPCP Expansion
LOCATION	153 Morton Rd., Keswick
MUNICIPALITY	Georgina
PROJECT MANAGER	Maitre, Michele
YEAR PROJECT INTRODUCED	2003
START DATE	Jul 2003
COMPLETION DATE	Jun 2007

DESCRIPTION OF PROJECT:

Assessment : Assess servicing capacity @ Keswick WPCP and determine timing for expansion. Class EA : Review 1992 Class EA to expand Keswick WPCP addendum

DELIVERABLE QUANTITY	1	UNITS	study
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NEED FOR PROJECT:

Determine expansion timing to facilitate growth

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Enhance service levels, provide opportunity for growth.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	19	291	332	6,078	5,200	0	0	11,920
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	15	233	266	4,862	4,160	0	0	9,536
Fees / Charges								0
Other	4	58	66	1,216	1,040	0	0	2,384
Total	19	291	332	6,078	5,200	0	0	11,920

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	147	147
Debt Repayment	0	0	0	0	0
Other	0	0	0	175	175
Total Gross Cost	0	0	0	322	322
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	322	322

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	1,113	10,807	11,920
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	1,113	10,807	11,920

SERVICE LIFE YEARS: 75

COMMENTS:

EA to commence Spring / Summer 2004.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	72280
PROJECT NAME	GST Savings - Wastewater
LOCATION	n/a
MUNICIPALITY	n/a
PROJECT MANAGER	Jankowski, Paul
YEAR PROJECT INTRODUCED	2005
START DATE	
COMPLETION DATE	Ongoing

DESCRIPTION OF PROJECT:

Adjustment to capture the additional 3% GST rebates on Roads capital project expenditures. This is being allowed by the Federal Government effective Feb 1/04.

DELIVERABLE QUANTITY UNITS

NEED FOR PROJECT:

To adjust the Wastewater capital program costs for the additional 3% GST rebates.

NEED CATEGORY Service Improvement/Enhancement

BENEFIT TO COMMUNITY / REGION:

Reduced costs for York Region should result in Savings to York Region Taxpayers.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	0	0	0	0	0	0	0
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet
Wastewater Services

DEPARTMENT
BUSINESS UNIT

Transportation & Works
Wastewater

PROJECT NUMBER	73020
PROJECT NAME	King City PS and Forcemain
LOCATION	King Road from Keele St to Yonge St
MUNICIPALITY	King
PROJECT MANAGER	Wolf, Brian
YEAR PROJECT INTRODUCED	2000
START DATE	Jan 1991
COMPLETION DATE	Mar 2006

DESCRIPTION OF PROJECT:
Forcemain construction along King Rd. from Keele St. to Yonge St.

DELIVERABLE QUANTITY UNITS

NEED FOR PROJECT:
This project is to provide sewage servicing to the King City community by connecting to the York Durham Sewage System.

NEED CATEGORY

BENEFIT TO COMMUNITY / REGION:
Provide sewer services to public and protect environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	1,098	4,659	4,666	992	60	60	0	11,535
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	551	3,028	3,033	645	39	39	0	7,335
Fees / Charges								0
Other	547	1,631	1,633	347	21	21	0	4,200
Total	1,098	4,659	4,666	992	60	60	0	11,535

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	42	294	336
Debt Repayment	0	0	0	0	0
Other	0	0	35	245	280
Total Gross Cost	0	0	77	539	616
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	77	539	616

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	154	1,078	10,303	11,535
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	154	1,078	10,303	11,535

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

BUSINESS UNIT

Transportation & Works

Wastewater

PROJECT NUMBER	73050
PROJECT NAME	*Nobleton Sewage Study (EA.) and Wastewater Treatment Plant
LOCATION	Nobleton
MUNICIPALITY	King
PROJECT MANAGER	Aranisundaran, Bal
YEAR PROJECT SHEET CREATED	1999
START DATE	Jan 2000
COMPLETION DATE	Dec 2007

DESCRIPTION OF PROJECT:

EA Study for providing sewer servicing to Nobleton Community. Also includes the design and construction of the Nobleton wastewater treatment plant.

DELIVERABLE QUANTITY	0	UNITS	0
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NEED FOR PROJECT:

Provide sewage service for future growth in Nobleton.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Permit growth in Nobleton.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	391	0	250	5,100	5,050	0	0	10,791
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	195	0	0	0	0	0	0	195
Fees / Charges								0
Other	196	0	250	5,100	5,050	0	0	10,596
Total	391	0	250	5,100	5,050	0	0	10,791

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	1,008	9,783	10,791
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	1,008	9,783	10,791

SERVICE LIFE YEARS: 75

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	73060
PROJECT NAME	Schomberg WPCP and PS Upgrade & Class EA
LOCATION	Schomberg
MUNICIPALITY	King
PROJECT MANAGER	Araniyasundaran, Balu
YEAR PROJECT INTRODUCED	1999
START DATE	
COMPLETION DATE	Jul 2004

DESCRIPTION OF PROJECT:

This project involves the completion of a Class EA to address short-term and long-term servicing requirements, including a re-rating of the existing WPCP facility. The project also includes upgrading of the existing pumps and expansion of the Schomberg WPCP to meet population growth demands.

DELIVERABLE QUANTITY

10

UNITS

L/s

NEED FOR PROJECT:

Upgrading the existing sewage treatment plant and pumping capacity is needed to deal with projected increased sanitary flows, thereby accomodating population growth and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY

Growth/Expansion

BENEFIT TO COMMUNITY / REGION:

Completion of the this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	270	790	930	2,260	5,210	0	0	9,460
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	216	632	744	1,808	4,168	0	0	7,568
Fees / Charges								0
Other	54	158	186	452	1,042	0	0	1,892
Total	270	790	930	2,260	5,210	0	0	9,460

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	147	147
Debt Repayment	0	0	0	0	0
Other	0	0	0	210	210
Total Gross Cost	0	0	0	357	357
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	357	357

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	882	8,578	9,460
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	882	8,578	9,460

SERVICE LIFE YEARS:

75

COMMENTS:

0

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	73250
PROJECT NAME	* Nobleton - Pumping Station, Forcemain and Trunk Sewer
LOCATION	Nobleton
MUNICIPALITY	King
PROJECT MANAGER	Araniyasundaran, Bala
YEAR PROJECT INTRODUCED	2005
START DATE	
COMPLETION DATE	Jan 1900

DESCRIPTION OF PROJECT:

To design and construct the pumping station, forcemain and trunk sewer from the Nobleton wastewater treatment plant.

DELIVERABLE QUANTITY	5	UNITS	Km
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NEED FOR PROJECT:

To accommodate future population and economic growth.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Increased and secure sewage servicing capacity to the residents of Nobleton.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	0	65	1,585	1,585	0	0	3,235
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	0	0	65	1,585	1,585	0	0	3,235
Total	0	0	65	1,585	1,585	0	0	3,235

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	56	56
Debt Repayment	0	0	0	0	0
Other	0	0	0	175	175
Total Gross Cost	0	0	0	231	231
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	231	231

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	455	2,780	3,235
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	455	2,780	3,235

SERVICE LIFE YEARS: 50

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER

73550

PROJECT NAME

POMS Implementation

LOCATION

Region-wide

MUNICIPALITY

York Region

PROJECT MANAGER

Szeptycki, David

YEAR PROJECT INTRODUCED

2005

START DATE

COMPLETION DATE

Jan 1900

DESCRIPTION OF PROJECT:

Based on the strategic direction set in the Information Systems Master Plan (ISMP) and OPTimize works this project will see the specification, selection, and implementation of a Performance Operations and Maintenance Systems (POMS) to deliver branch wide performance metric and Key Performance Indicators to allow Water and Wastewater strategically manage our physical and business processes. The implementation of a POMS will tie together significant Water and wastewater systems for reporting purposes.

DELIVERABLE QUANTITY

1

UNITS

Program

NEED FOR PROJECT:

Project need was identified in the OPTimize Works - Phase 1 redesign report and the Information Systems Master Plan as a priority project for enhancing the delivery of operational and business processes through realtime access to performance metrics and Key Performance Indicators (KPI's)

NEED CATEGORY

Service Improvement/Enhancement

BENEFIT TO COMMUNITY / REGION:

The implementation of this information system will facilitate the major redesign initiatives currently underway in Water and Wastewater that aim to optimize operations, improve customer service and increase operational and capital budget forecasting for water and wastewater assets.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	0	0	160	270	0	0	430
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	0	0	0	160	270	0	0	430
Total	0	0	0	160	270	0	0	430

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	430	430
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	430	430

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	73560
PROJECT NAME	ISMP - Integration Implementation
LOCATION	Region-wide
MUNICIPALITY	York Region
PROJECT MANAGER	Szeptycki, David
YEAR PROJECT INTRODUCED	2005
START DATE	Jan 2005
COMPLETION DATE	To be determined

DESCRIPTION OF PROJECT:

Based on the strategic direction set in the Information systems master plan (ISMP) and OPTimize works this project will implement information systems infrastructure required for supporting the implementation of the Maximo Work Management system, SCADA, PeopleSoft Financials and PeopleSoft HR systems to the water and wastewater services.

DELIVERABLE QUANTITY	1	UNITS	Program
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NEED FOR PROJECT:

Project need was identified in the OPTimize Works - Phase 1 redesign report and the Information systems Master Plan (ISMP) as a priority project for streamlining business processes and enhancing the delivery of competitive water and wastewater services.

NEED CATEGORY	Service Improvement/Enhancement
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BENEFIT TO COMMUNITY / REGION:

The implementation of these information systems infrastructure upgrades will facilitate the major redesign initiatives currently underway in water and wastewater that aim to optimize operations improve customer service and increase operational and capital budget forecasting for water and wastewater assets.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	0	260	360	360	0	0	980
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	0	0	260	360	360	0	0	980
Total	0	0	260	360	360	0	0	980

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	980	980
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	980	980

SERVICE LIFE YEARS:

COMMENTS:

This project will help achieve the objectives of implementing a Performance and Operations Management System.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	73570
PROJECT NAME	ISMP Projects Implementation
LOCATION	Region-wide
MUNICIPALITY	York Region
PROJECT MANAGER	Szeptycki, David
YEAR PROJECT INTRODUCED	2005
START DATE	Jan 2005
COMPLETION DATE	Jan 1900

DESCRIPTION OF PROJECT:

Based on the strategic business direction described in the Information Systems Master Plan (ISMP) and OPTimize Works redesign report, this project will implement information systems infrastructure required for supporting the delivery of competitive water and wastewater services through the implementation of information systems infrastructure to support the use of the Maximo Work management system, SCADA, PeopleSoft Financials and PeopleSoft HR systems to the water and wastewater operations and maintenance staff in the field.

DELIVERABLE QUANTITY	1	UNITS	Program
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NEED FOR PROJECT:

Project need was identified in the OPTimize Works - Phase 1 redesign report and the Information Systems Master Plan as a priority project for streamlining business processes and enhancing the delivery of competitive water and wastewater services.

NEED CATEGORY	Service Improvement/Enhancement
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BENEFIT TO COMMUNITY / REGION:

The implementation of these information systems infrastructure upgrades will facilitate the significant business process redesign initiatives currently underway. The technology infrastructure upgrades implemented through this project will help position the water and wastewater branch as a competitive utility that uses optimized operational and business processes. The project will also facilitate improved customer service and increased operational and capital budget forecasting for water and wastewater assets.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	0	460	460	270	0	0	1,190
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	0	0	460	460	270	0	0	1,190
Total	0	0	460	460	270	0	0	1,190

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
					0
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	1,190	1,190
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	1,190	1,190

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	73640
PROJECT NAME	System Capacity Assessment and Master Plan
LOCATION	Region-wide
MUNICIPALITY	All
PROJECT MANAGER	McLean, Tracey
YEAR PROJECT INTRODUCED	2003
START DATE	
COMPLETION DATE	Ongoing

DESCRIPTION OF PROJECT:

This project is to help assess the system capacities of existing wastewater infrastructure in York Region.

DELIVERABLE QUANTITY	1	UNITS	program
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NEED FOR PROJECT:

To evaluate wastewater system capacity on a regular basis to help plan for future Infrastructure needs.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

More efficient planning and delivery of water and wastewater services.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	5	100	446	780	510	3,840	0	5,681
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	328	544	328	2,512	0	3,712
Fees / Charges								0
Other	5	100	118	236	182	1,328	0	1,969
Total	5	100	446	780	510	3,840	0	5,681

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

BUSINESS UNIT

Transportation & Works

Wastewater

PROJECT NUMBER	73650
PROJECT NAME	YDSS Overflow Security Implementation
LOCATION	Various
MUNICIPALITY	Region-wide
PROJECT MANAGER	Patterson, Bill
YEAR PROJECT INTRODUCED	2003
START DATE	
COMPLETION DATE	Dec 2006

DESCRIPTION OF PROJECT:
 This project involves the implementation of upgrades to YDSS to ensure long term security of conveyance and treatment systems.

DELIVERABLE QUANTITY		UNITS	
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NEED FOR PROJECT:
 Proactive steps need to be taken to increase sewage treatment and conveyance capacity to deal with increased flows. This will allow York Region to avoid sewage spills which could result in environmental charges and fines.

NEED CATEGORY	Service Improvement/Enhancement
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BENEFIT TO COMMUNITY / REGION:
 The increase in capacity will reduce the possibility of sewage spills and fines, save taxpayers money and protect the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	1,000	1,250	1,730	0	0	0	3,980
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								
Other	0	1,000	1,250	1,730	0	0	0	3,980
Total	0	1,000	1,250	1,730	0	0	0	3,980

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	0	0	11	77	88
Debt Repayment	0	0	0	0	0
Other	0	0	40	280	320
Total Gross Cost	0	0	51	357	408
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	51	357	408

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet
Wastewater Services

DEPARTMENT
BUSINESS UNIT

Transportation & Works
Wastewater

PROJECT NUMBER	73660
PROJECT NAME	Sanitary Sewer Modelling
LOCATION	Region-wide
MUNICIPALITY	All
PROJECT MANAGER	McLean, Tracey
YEAR PROJECT INTRODUCED	2003
START DATE	Jan 2004
COMPLETION DATE	Dec 2005

DESCRIPTION OF PROJECT:

The project is to set up a graphical hydraulic model of the Region's wastewater system comprised of the YDSS and the Region's satellite sanitary sewer systems.

DELIVERABLE QUANTITY	1	UNITS	study
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NEED FOR PROJECT:

The model is used to analyze the capacities of the existing sewage system, assess system performance to address hypothetical growth related scenarios and operational issues.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Provide efficiency in managing the sewage system and become a tool to address capacity concerns.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	455	47	0	0	0	0	502
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	364	38	0	0	0	0	402
Fees / Charges								0
Other	0	91	9	0	0	0	0	100
Total	0	455	47	0	0	0	0	502

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	73670
PROJECT NAME	Peel Diversion "Buy-in" Cost
LOCATION	n/a
MUNICIPALITY	Peel Region
PROJECT MANAGER	Fischer, Martin
YEAR PROJECT INTRODUCED	2002
START DATE	
COMPLETION DATE	May 2005

DESCRIPTION OF PROJECT:

Construction of various sanitary sewage works in Peel Region.

DELIVERABLE QUANTITY		UNITS	
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NEED FOR PROJECT:

Expansion of the sewage system in Peel Region will provide sewage capacity to the Region of York to handle flows from the Woodbridge Service area. It is required as part of the York-Peel Agreement that York Region pay for a certain portion of Peel's sanitary sewer system infrastructure.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of the Peel sewer system expansion will allow for development of local employment lands in York Region and recreational facilities etc., which will improve the quality of life for York Region residents. Also, the increased sewer system capacity will reduce the possibility of sewage spills and fines, thereby safeguarding the environment and saving taxpayers money.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	13,800	0	0	0	0	0	13,800
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	0	13,800	0	0	0	0	0	13,800
Total	0	13,800	0	0	0	0	0	13,800

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

York-Peel Agreement requires York to pay Peel the "Buy-In costs" on the day sewage flows from York-Peel. Anticipated to likely begin January 2005.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

BUSINESS UNIT

Transportation & Works

Wastewater

PROJECT NUMBER	73680
PROJECT NAME	Screenings Management Strategy
LOCATION	n/a
MUNICIPALITY	n/a
PROJECT MANAGER	Rurak, Dean
YEAR PROJECT INTRODUCED	2002
START DATE	
COMPLETION DATE	Dec 2005

DESCRIPTION OF PROJECT:

Feasibility study and design and construction of a facility to accept the screening materials from the York Durham Sewage System.

DELIVERABLE QUANTITY	1	UNITS	each
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NEED FOR PROJECT:

Closure of the Keele Valley Landfill site requires an alternative site to accept screening materials.

NEED CATEGORY	Service Improvement/Enhancement
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BENEFIT TO COMMUNITY / REGION:

Save taxpayers money by finding the lowest cost alternative site to accept the screening materials.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	160	0	0	0	0	0	160
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	0	160	0	0	0	0	0	160
Total	0	160	0	0	0	0	0	160

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	73690
PROJECT NAME	Best Practices (Wastewater)
LOCATION	Various
MUNICIPALITY	Region-wide
PROJECT MANAGER	Williams, V
YEAR PROJECT INTRODUCED	2002
START DATE	
COMPLETION DATE	Ongoing

DESCRIPTION OF PROJECT:

Water and Wastewater Best Practices (OPTimize Works) Phase 2 - Includes Implementation of new organization, defining and implementing redesigned business practices, and developing strategies for specific ISMP projects.

DELIVERABLE QUANTITY

1

UNITS

Program

NEED FOR PROJECT:

Project need identified in the Operations & Maintenance Services Assessment completed in 2002; identified opportunity to enhance services & operations. Continuation of Best Practices Redesign (OPTimize Works - Phase 1).

NEED CATEGORY

Service Improvement/Enhancement

BENEFIT TO COMMUNITY / REGION:

Move to total productive operations; program-driven work; ability to retain staff; improved customer service; overall optimization of operations; develop comprehensive asset management system for full cost accounting (in response to Bill 175).

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	467	600	450	200	120	310	0	2,147
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	467	600	450	200	120	310	0	2,147
Total	467	600	450	200	120	310	0	2,147

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

OPTimize Works Program is critical to enable the Water/Wastewater Branch to: meet the sustained demands on branch resources regarding Regional; respond to increasing regulatory compliance including more stringent training regulations; develop an asset management program; and implement technology solutions to support the Best Practices direction.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	73700
PROJECT NAME	King City Collection System
LOCATION	Various locations in King City
MUNICIPALITY	King
PROJECT MANAGER	Wolf, Brian
YEAR PROJECT INTRODUCED	2002
START DATE	Jan 1991
COMPLETION DATE	Nov 2008

DESCRIPTION OF PROJECT:

This project involves the design and construction of various local sanitary sewers in the King City area.

DELIVERABLE QUANTITY	33.6	UNITS	Km
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NEED FOR PROJECT:

This project is required to provide local sanitary sewers in the King City community to connect to the main pumping station, forcemain and York Durham Sewage System.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Connection of King City residents to the YDSS will reduce the incidence of septic system failures, thus protecting the environment. Completion of this project will also allow the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	1,197	4,206	4,950	4,850	5,010	4,450	0	24,663
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	1,197	4,206	4,950	4,850	5,010	4,450	0	24,663
Total	1,197	4,206	4,950	4,850	5,010	4,450	0	24,663

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	0	0	0	77	77
Debt Repayment	0	0	0	0	0
Other	0	0	0	280	280
Total Gross Cost	0	0	0	357	357
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	357	357

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	3,451	21,212	24,663
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	3,451	21,212	24,663

SERVICE LIFE YEARS:	50
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COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER

73720

PROJECT NAME

YDSS Duffin Creek WPCP Expansion

LOCATION

Duffin Creek WPCP

MUNICIPALITY

Durham

PROJECT MANAGER

Coombs, Adrian

YEAR PROJECT INTRODUCED

2002

START DATE

COMPLETION DATE

Dec 2011

DESCRIPTION OF PROJECT:

This project is for the expansion of the YDSS Duffin Creek WPCP. It involves assessing the expansion requirements for the Duffin Creek WPCP to accommodate growth in York and Durham Regions to 2035.

DELIVERABLE QUANTITY

46

UNITS

MIGD

NEED FOR PROJECT:

The increased capacity is needed to deal with projected increased flows, thereby accommodating population growth and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY

Growth/Expansion

BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	372	938	2,998	17,955	57,411	110,646	0	190,320
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	372	938	2,998	17,955	57,411	110,646	0	190,320
Total	372	938	2,998	17,955	57,411	110,646	0	190,320

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	0	0	0	0	0
Debt Repayment	30	569	3,298	151,641	155,539
Other	0	0	0	0	0
Total Gross Cost	30	569	3,298	151,641	155,539
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	24	455	2,638	121,313	124,431
Total Net Cost	6	114	660	30,328	31,108

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	19,030	171,290	190,320
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	19,030	171,290	190,320

SERVICE LIFE YEARS:

50

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet
Wastewater Services

DEPARTMENT
BUSINESS UNIT

Transportation & Works
Wastewater

PROJECT NUMBER	73730
PROJECT NAME	Sludge Management Program
LOCATION	0
MUNICIPALITY	0
PROJECT MANAGER	Rurak, Dean
YEAR PROJECT INTRODUCED	2002
START DATE	
COMPLETION DATE	Dec 2005

DESCRIPTION OF PROJECT:

Feasibility study or master plan EA for management of biosolids (sludge) and other waste (septage) within York Region. Recommendations for improvements and standardization of retreatment.

DELIVERABLE QUANTITY	1	UNITS	Program
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NEED FOR PROJECT:

To determine the feasibility of alternate sludge disposal/management options for York Region. Contingency plans are required under the NMA.

NEED CATEGORY	Service Improvement/Enhancement
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BENEFIT TO COMMUNITY / REGION:

A more cost effective and environmentally friendly alternative to sludge management.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	0	220	0	0	0	0	220
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	0	0	220	0	0	0	0	220
Total	0	0	220	0	0	0	0	220

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

Durham Region is currently undertaking a Sludge Management Study that includes the Duffin Creek WPCP. Current anticipated completion of this study is 2004.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	73740
PROJECT NAME	B.P. - SCADA Infrastructure Assessment - Wastewater
LOCATION	Various
MUNICIPALITY	Various
PROJECT MANAGER	Kammila, Ravi
YEAR PROJECT INTRODUCED	2002
START DATE	
COMPLETION DATE	Dec 2007

DESCRIPTION OF PROJECT:

Provide SCADA to north wastewater facilities to provide automation as well as to provide alarms for process conditions.

DELIVERABLE QUANTITY	n/a	UNITS	n/a
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NEED FOR PROJECT:

To increase automation in wastewater facilities in satellite communities in York Region and to provide advance warning of high sanitary flows.

NEED CATEGORY	Service Improvement/Enhancement
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BENEFIT TO COMMUNITY / REGION:

The SCADA systems will reduce the possibility of sewage spills and fines, thereby safeguarding the environment and saving taxpayers money.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	155	250	900	700	300	0	0	2,305
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	155	250	900	700	300	0	0	2,305
Total	155	250	900	700	300	0	0	2,305

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

This will bring the North Wastewater Facilities into the SCADA Control System, providing better monitoring and control capabilities.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	73750
PROJECT NAME	Facilities Energy Audit - Wastewater
LOCATION	Various
MUNICIPALITY	Various
PROJECT MANAGER	Kammila, Ravi
YEAR PROJECT INTRODUCED	2002
START DATE	
COMPLETION DATE	Dec 2004

DESCRIPTION OF PROJECT:

Provide interval energy metering at sites that utilize majority of power

DELIVERABLE QUANTITY	1	UNITS	Program
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NEED FOR PROJECT:

For the optimization and tracking of energy costs.

NEED CATEGORY	Service Improvement/Enhancement
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BENEFIT TO COMMUNITY / REGION:

Ensures efficiency of power usage as well as diagnostic capability for quality of power.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	19	50	0	0	0	0	0	69
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	19	50	0	0	0	0	0	69
Total	19	50	0	0	0	0	0	69

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

The project will be completed by the end of 2004.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	73760
PROJECT NAME	Facility Security Upgrades - Wastewater
LOCATION	Various
MUNICIPALITY	Region-wide
PROJECT MANAGER	Kammila, Ravi
YEAR PROJECT INTRODUCED	2002
START DATE	
COMPLETION DATE	Dec 2005

DESCRIPTION OF PROJECT:

This project involves security enhancement at the wastewater facilities throughout the Region, which will assist in tracking and controlling entry into our facilities.

DELIVERABLE QUANTITY	1	UNITS	Program
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NEED FOR PROJECT:

Better security procedures and infrastructure has been identified as being required due to greater risk from terrorism and vandalism.

NEED CATEGORY	Service Improvement/Enhancement
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BENEFIT TO COMMUNITY / REGION:

Provide more security to ensure service reliability to public.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	9	350	330	300	0	0	0	989
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	9	350	330	300	0	0	0	989
Total	9	350	330	300	0	0	0	989

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER

73770

PROJECT NAME

Asset Upgrade & Rehabilitation - Wastewater

LOCATION

Various

MUNICIPALITY

Region-wide

PROJECT MANAGER

Rurak, Dean

YEAR PROJECT INTRODUCED

2002

START DATE

COMPLETION DATE

Ongoing

DESCRIPTION OF PROJECT:

This project involves supplementing the computer-based inventory and assessment information for all non-linear wastewater facilities and on-going data management.

DELIVERABLE QUANTITY

n/a

UNITS

n/a

NEED FOR PROJECT:

The collection of data is required to populate the Computerized Work Management System (CWMS).

NEED CATEGORY

Rehabilitation/Replacement

BENEFIT TO COMMUNITY / REGION:

The CWMS will provide the foundation for Capital Replacement Reserve Adequacy studies and will facilitate optimization of resource allocation, which will result in increased value to the taxpayers of York Region.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	76	3,000	5,474	5,454	3,000	27,800	0	44,804
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	76	3,000	5,474	5,454	3,000	27,800	0	44,804
Total	76	3,000	5,474	5,454	3,000	27,800	0	44,804

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	8	8	8	56	80
Debt Repayment	0	0	0	0	0
Other	25	25	25	175	250
Total Gross Cost	33	33	33	231	330
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	33	33	33	231	330

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

BUSINESS UNIT

Transportation & Works

Wastewater

PROJECT NUMBER	74020
PROJECT NAME	YDSS 16th Avenue Trunk (9th-Stone Mason)
LOCATION	16th Ave from 9th Line to Stone Mason Drive
MUNICIPALITY	Markham
PROJECT MANAGER	Subramaniam, Nitti
YEAR PROJECT INTRODUCED	1999
START DATE	
COMPLETION DATE	Dec 2004

DESCRIPTION OF PROJECT:

This project involves the design and construction of Phase I of the 16th Ave trunk sewer which extends west from Ninth Line to Stone Mason Drive.

DELIVERABLE QUANTITY	2.9	UNITS	km
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NEED FOR PROJECT:

When all phases of the 16th Avenue trunk sewer are completed it will provide increased capacity which is needed to deal with projected increased flows. The increased capacity will accommodate population growth and avoid future spills and reduce environmental charges and fines. This project will also relieve the Highway 404 Interim by-pass sewer.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. This project also provides the possibility of incorporating the Town's local sewers along 16th Ave. and Ninth Line into an overall Regional servicing solution.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	24,822	20	2,629	0	0	0	0	27,471
Revenue Sources								
Tax Levy	-0	0	0	0	0	0	0	-0
DC	0	0	0	0	0	0	0	0
Fees / Charges								
Other	24,822	20	2,629	0	0	0	0	27,471
Total	24,822	20	2,629	0	0	0	0	27,471

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	11	11	11	77	110
Debt Repayment	26	342	342	2,392	3,102
Other	30	30	30	210	300
Total Gross Cost	67	383	383	2,679	3,512
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	21	273	273	1,914	2,482
Total Net Cost	46	109	109	765	1,030

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	549	549	549	3,843	21,981	27,471
Source 2 (specify)	0	0	0	0	0	0
Total	549	549	549	3,843	21,981	27,471

SERVICE LIFE YEARS: 50

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet
Wastewater Services

DEPARTMENT
BUSINESS UNIT

Transportation & Works
Wastewater

PROJECT NUMBER	74030
PROJECT NAME	YDSS 16th Ave Trunk (Stone Mason-Woodbine)
LOCATION	16th Avenue from Stone Mason Drive to Woodbine Avenue
MUNICIPALITY	Markham
PROJECT MANAGER	Subramaniam, Nitti
YEAR PROJECT INTRODUCED	1999
START DATE	Jan 2002
COMPLETION DATE	Sep 2007

DESCRIPTION OF PROJECT:

The construction of Phase 2 of the 16th Ave Trunk sewer which extends west from Stone Mason Drive to the existing 404 Trunk Sewer at Apple Creek.

DELIVERABLE QUANTITY	7.7	UNITS	km
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NEED FOR PROJECT:

The increased capacity is needed to deal with projected increased flows, thereby accomodating population growth and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of the this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possiblity of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	3,624	19,523	12,691	15,600	14,050	0	0	65,488
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	131	0	0	0	0	0	0	131
Fees / Charges								0
Other	3,493	19,523	12,691	15,600	14,050	0	0	65,357
Total	3,624	19,523	12,691	15,600	14,050	0	0	65,488

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	0	0	0	77	77
Debt Repayment	127	1,806	3,818	38,530	44,281
Other	0	0	0	210	210
Total Gross Cost	127	1,806	3,818	38,817	44,568
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	102	1,445	3,055	30,824	35,425
Total Net Cost	25	361	764	7,993	9,143

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	9,170	56,318	65,488
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	9,170	56,318	65,488

SERVICE LIFE YEARS: 50

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	74040
PROJECT NAME	YDSS Southeast Collector
LOCATION	Runs southeast from near Ninth Line and Hwy. 407 to York/Durham Regional boundary.
MUNICIPALITY	Markham
PROJECT MANAGER	Green, Wayne
YEAR PROJECT INTRODUCED	2003
START DATE	Jan 2001
COMPLETION DATE	Aug 2008

DESCRIPTION OF PROJECT:

The Southeast Collector project involves either twinning the existing YDSS or establishing new trunk sewers on alternative alignments such as on existing roads, railways, and/or utility corridors. This project will also include a new meter chamber.

DELIVERABLE QUANTITY	8	UNITS	km
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NEED FOR PROJECT:

The proposed Southeast Collector trunk sewer capacity increase is necessary to meet near future YDSS York region sanitary sewer servicing needs as supported by the Regional Official Plan.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	590	1,515	7,664	33,210	41,210	10,000	0	94,189
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	206	0	2,043	11,600	21,600	8,000	0	43,449
Fees / Charges								0
Other	384	1,515	5,621	21,610	19,610	2,000	0	50,740
Total	590	1,515	7,664	33,210	41,210	10,000	0	94,189

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	0	0	0	66	66
Debt Repayment	51	851	3,239	34,607	38,749
Other	0	0	0	150	150
Total Gross Cost	51	851	3,239	34,823	38,965
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	41	681	2,591	27,686	30,999
Total Net Cost	10	170	648	7,137	7,966

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	11,304	82,885	94,189
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	11,304	82,885	94,189

SERVICE LIFE YEARS: 50

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	74190
PROJECT NAME	Southeast Trunk Parallel Sewer (Pickering West)
LOCATION	Parallel existing YDSS Sewer from Townline Rd to Valley Farm Rd
MUNICIPALITY	Markham/Durham Region
PROJECT MANAGER	McDowell, Laura
YEAR PROJECT INTRODUCED	2003
START DATE	Jan 2011
COMPLETION DATE	Dec 2014

DESCRIPTION OF PROJECT:

Planning, design and construction of a trunk sewer parallel the existing YDSS sewer from Townline Rd to Valley Farm Rd.

DELIVERABLE QUANTITY	0	UNITS	0
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NEED FOR PROJECT:

Increase sanitary transmission capacity to the Dufferin Creek WPCP.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Ensure system has capacity for growth.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	0	0	0	0	21,300	0	21,300
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	17,040	0	17,040
Fees / Charges								0
Other	0	0	0	0	0	4,260	0	4,260
Total	0	0	0	0	0	21,300	0	21,300

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	22	22
Debt Repayment	0	0	0	0	0
Other	0	0	0	10	10
Total Gross Cost	0	0	0	32	32
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	32	32

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	21,300	21,300
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	21,300	21,300

SERVICE LIFE YEARS: 50

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	75170
PROJECT NAME	Newmarket Equalization Tank & Newmarket PS Upgrade
LOCATION	Newmarket Pumping Station Site
MUNICIPALITY	Newmarket
PROJECT MANAGER	Ferguson, Euan
YEAR PROJECT INTRODUCED	2002
START DATE	Jan 2002
COMPLETION DATE	Mar 2006

DESCRIPTION OF PROJECT:

The construction of a 10000 cu.m. Inflow & Infiltration sewage equalization tank. The Newmarket equalization tank will be in service by 2006.

DELIVERABLE QUANTITY	10,000	UNITS	cu.m.
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NEED FOR PROJECT:

The new equalization tank will provide spill protection, increase operational flexibility and mitigate environmental impacts of potential overflows at the Newmarket Pumping Station.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	222	1,315	11,816	2,333	0	0	0	15,686
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	178	1,052	9,453	1,866	0	0	0	12,549
Fees / Charges								0
Other	44	263	2,363	467	0	0	0	3,137
Total	222	1,315	11,816	2,333	0	0	0	15,686

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	8	56	64
Debt Repayment	0	0	0	0	0
Other	0	0	30	210	240
Total Gross Cost	0	0	38	266	304
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	38	266	304

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	313	2,191	13,182	15,686
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	313	2,191	13,182	15,686

SERVICE LIFE YEARS:	50
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COMMENTS:

Tender date delayed due to North Operations expansion on same site. Additional scope added for substation upgrade and larger size tank identified in June 2003 pre-design.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	76040
PROJECT NAME	YDSS 19th Avenue Interceptor
LOCATION	19th Ave from Yonge St to Leslie St
MUNICIPALITY	Richmond Hill
PROJECT MANAGER	McDowell, Laura
YEAR PROJECT INTRODUCED	2000
START DATE	
COMPLETION DATE	Aug 2006

DESCRIPTION OF PROJECT:

Construction of a new sanitary sewer on 19th Avenue from Yonge Street to Leslie Street.

DELIVERABLE QUANTITY	4	UNITS	km
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NEED FOR PROJECT:

The increased capacity is needed to deal with projected increased flows, thereby accomodating population growth and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of the this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	41	744	7,754	5,036	0	0	0	13,575
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	33	595	6,203	4,029	0	0	0	10,860
Fees / Charges								0
Other	8	149	1,551	1,007	0	0	0	2,715
Total	41	744	7,754	5,036	0	0	0	13,575

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	8	56	64
Debt Repayment	0	0	0	0	0
Other	0	0	30	210	240
Total Gross Cost	0	0	38	266	304
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	38	266	304

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	271	1,897	11,407	13,575
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	271	1,897	11,407	13,575

SERVICE LIFE YEARS: 50

COMMENTS:

Sewer works being coordinated with road reconstruction along 19th Ave between Yonge St and Leslie st.

PROJECT NUMBER	76050
PROJECT NAME	YDSS Leslie Street Lower Trunk
LOCATION	Leslie St from 19th Ave to Elgin Mills Rd
MUNICIPALITY	Richmond Hill
PROJECT MANAGER	McDowell, Laura
YEAR PROJECT INTRODUCED	1998
START DATE	
COMPLETION DATE	Dec 2005

DESCRIPTION OF PROJECT:

Construction a new sanitary trunk sewer on Leslie Street from 19th Avenue to Elgin Mills Road.

DELIVERABLE QUANTITY	2	UNITS	km
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NEED FOR PROJECT:

The increased capacity is needed to deal with projected increased flows, thereby accomodating population growth and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of the this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	191	995	3,993	2,801	0	0	0	7,980
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	153	191	304	0	0	0	0	648
Fees / Charges								0
Other	38	804	3,689	2,801	0	0	0	7,332
Total	191	995	3,993	2,801	0	0	0	7,980

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	0	0	11	77	88
Debt Repayment	36	470	470	3,288	4,263
Other	0	0	30	210	240
Total Gross Cost	36	470	511	3,575	4,591
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	29	376	376	2,630	3,411
Total Net Cost	7	94	135	945	1,181

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	160	1,120	6,700	7,980
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	160	1,120	6,700	7,980

SERVICE LIFE YEARS: 50

COMMENTS:

Up front financed.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	77020
PROJECT NAME	YDSS Humber PS Upgrades
LOCATION	Near Steeles Avenue and Highway 27
MUNICIPALITY	Vaughan
PROJECT MANAGER	Fischer, Martin
YEAR PROJECT INTRODUCED	1993
START DATE	
COMPLETION DATE	Feb 2005

DESCRIPTION OF PROJECT:

Upgrading of the existing Humber pumping station, including five new pumps of 600 HP each. The pumping station will increase from a capacity of 1690 L/s to 1810 L/s.

DELIVERABLE QUANTITY	120	UNITS	L/s
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NEED FOR PROJECT:

The increased capacity is needed to deal with projected increased flows, thereby accommodating population growth and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	5,796	50	0	0	0	0	0	5,846
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	4,715	40	0	0	0	0	0	4,755
Fees / Charges								0
Other	1,081	10	0	0	0	0	0	1,091
Total	5,796	50	0	0	0	0	0	5,846

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	21	21	147	189
Debt Repayment	0	0	0	0	0
Other	0	25	25	175	225
Total Gross Cost	0	46	46	322	414
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	46	46	322	414

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	78	78	546	5,144	5,846
Source 2 (specify)	0	0	0	0	0	0
Total	0	78	78	546	5,144	5,846

SERVICE LIFE YEARS: 75

COMMENTS:

Contract is substantially complete. Legal proceedings still outstanding.

PROJECT NUMBER	77090
PROJECT NAME	*#YDSS/Langstaff Trunk
LOCATION	Langstaff from Bathurst to west of Keele
MUNICIPALITY	Vaughan
PROJECT MANAGER	Hrkac, Tom
YEAR PROJECT INTRODUCED	2001
START DATE	Jan 2000
COMPLETION DATE	May 2008

DESCRIPTION OF PROJECT:

Construction of a sanitary trunk sewer along Langstaff Road from Bathurst Street to west of Keele Street.

DELIVERABLE QUANTITY	3.7	UNITS	km
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NEED FOR PROJECT:

The Langstaff trunk sewer will accommodate approved growth in Vaughan (Blocks 18W and 33), thereby avoiding future spills and reducing environmental charges and fines. The new trunk sewer will provide relief to the Maple Collector.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	590	3,160	160	14,073	7,140	0	0	25,123
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	590	3,160	160	14,073	7,140	0	0	25,123
Total	590	3,160	160	14,073	7,140	0	0	25,123

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	56	56
Debt Repayment	0	0	0	0	0
Other	0	0	0	35	35
Total Gross Cost	0	0	0	91	91
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	91	91

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	3,514	21,609	25,123
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	3,514	21,609	25,123

SERVICE LIFE YEARS: 50

COMMENTS:

Front end financed - to be tendered as a design-build together with Bathurst St Collector (project 7710).

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	77100
PROJECT NAME	*YDSS Bathurst Collector (Phases 1 & 2)
LOCATION	Bathurst St from Steeles Ave to Major Mackenzie Dr
MUNICIPALITY	Vaughan
PROJECT MANAGER	Hrkac, Tom
YEAR PROJECT INTRODUCED	1999
START DATE	
COMPLETION DATE	Jun 2008

DESCRIPTION OF PROJECT:

This project involves the design and construction of the Bathurst Street Collector sanitary sewer from Steeles Avenue to Major Mackenzie Drive.

DELIVERABLE QUANTITY	8.5	UNITS	km
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NEED FOR PROJECT:

The increased capacity is needed to deal with projected increased flows, thereby accomodating population growth in Vaughan and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	2,043	4,853	4,439	17,481	15,826	0	0	44,642
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								
Other	2,043	4,853	4,439	17,481	15,826	0	0	44,642
Total	2,043	4,853	4,439	17,481	15,826	0	0	44,642

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	77	77
Debt Repayment	0	0	0	0	0
Other	0	0	0	210	210
Total Gross Cost	0	0	0	287	287
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	287	287

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	6,251	38,391	44,642
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	6,251	38,391	44,642

SERVICE LIFE YEARS:	50
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COMMENTS:

To be tendered as a design / build project together with the Langstaff Trunk Sewer (77090).

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	77190
PROJECT NAME	*#YDSS Woodbridge Trunk Relief Sewer
LOCATION	North of Hwy 7 along Humber River Valley to the Humber Pumping Station
MUNICIPALITY	Vaughan
PROJECT MANAGER	Fischer, Martin
YEAR PROJECT INTRODUCED	2000
START DATE	Jan 2000
COMPLETION DATE	Apr 2004

DESCRIPTION OF PROJECT:

This project involves the design and construction of the Woodbridge Trunk Relief sewer along the Humber River Valley from north of Highway 7 to the Humber Pumping Station.

DELIVERABLE QUANTITY	0.7	UNITS	km
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NEED FOR PROJECT:

The increased capacity is needed to deal with projected increased flows, thereby accommodating population growth and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	4,638	50	0	0	0	0	0	4,688
Revenue Sources								
Tax Levy	-0	0	0	0	0	0	0	-0
DC	1,539	40	0	0	0	0	0	1,579
Fees / Charges								0
Other	3,099	10	0	0	0	0	0	3,109
Total	4,638	50	0	0	0	0	0	4,688

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	8	8	56	72
Debt Repayment	0	0	0	0	0
Other	0	5	5	35	45
Total Gross Cost	0	13	13	91	117
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	13	13	91	117

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	94	94	658	3,842	4,688
Source 2 (specify)	0	0	0	0	0	0
Total	0	94	94	658	3,842	4,688

SERVICE LIFE YEARS:	50
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COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

BUSINESS UNIT

Transportation & Works

Wastewater

PROJECT NUMBER	77200
PROJECT NAME	YDSS Humber Forcemain to Peel
LOCATION	From Humber PS along Steeles Ave. to Airport Rd., Brampton
MUNICIPALITY	Vaughan
PROJECT MANAGER	Fischer, Martin
YEAR PROJECT INTRODUCED	2000
START DATE	
COMPLETION DATE	May 2005

DESCRIPTION OF PROJECT:

This project involves the design and construction of a sanitary forcemain to Peel Region along Steeles Avenue from the Humber Pumping Station to Airport Road.

DELIVERABLE QUANTITY	11 x 2	UNITS	km
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NEED FOR PROJECT:

By diverting flows in the Woodbridge Drainage Area to Peel, increased sanitary capacity will become available which is needed to deal with projected increased flows, thereby accommodating population growth and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	8,477	37,423	265	0	0	0	0	46,165
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	4,348	1,815	212	0	0	0	0	6,375
Fees / Charges								0
Other	4,129	35,608	53	0	0	0	0	39,789
Total	8,477	37,423	265	0	0	0	0	46,165

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	11	11	77	99
Debt Repayment	0	0	0	0	0
Other	0	35	35	245	315
Total Gross Cost	0	46	46	322	414
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	46	46	322	414

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	93	93	651	45,328	46,165
Source 2 (specify)	0	0	0	0	0	0
Total	0	93	93	651	45,328	46,165

SERVICE LIFE YEARS:	50
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COMMENTS:

Completion date shown as December 2004. There is a chance that the Odour Control Facility may not be completed/operational until early 2005 (February).

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	77290
PROJECT NAME	YDSS Black Creek PS
LOCATION	Near Steeles Avenue and Jane Street
MUNICIPALITY	Vaughan
PROJECT MANAGER	Patterson, Bill
YEAR PROJECT INTRODUCED	2000
START DATE	Jan 2003
COMPLETION DATE	To be determined

DESCRIPTION OF PROJECT:

Rehabilitation and upgrading of the Black Creek Pumping Station in Vaughan to achieve a total capacity of 1500 L/s.

DELIVERABLE QUANTITY	1500	UNITS	L/s
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NEED FOR PROJECT:

Rehabilitation of the pumping station is required for safety reasons and to maintain the ability of the station to operate. Also, the increased capacity is needed to deal with projected increased flows, thereby accommodating population growth and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY	Rehabilitation/Replacement
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BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment. Better plant safety will also prevent worker injuries.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	1,077	1,259	1,709	0	0	0	0	4,045
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	854	1,007	1,367	0	0	0	0	3,229
Fees / Charges								0
Other	222	252	342	0	0	0	0	816
Total	1,077	1,259	1,709	0	0	0	0	4,045

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	21	21	147	189
Debt Repayment	0	0	0	0	0
Other	0	25	25	175	225
Total Gross Cost	0	46	46	322	414
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	46	46	322	414

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	54	54	378	3,559	4,045
Source 2 (specify)	0	0	0	0	0	0
Total	0	54	54	378	3,559	4,045

SERVICE LIFE YEARS: 75

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER 77310

PROJECT NAME West Rainbow Trunk Sewer

LOCATION Kipling Avenue to west of CPR (south of Hwy 407)

MUNICIPALITY Vaughan

PROJECT MANAGER Fischer, Marlin

YEAR PROJECT INTRODUCED 2002

START DATE

COMPLETION DATE Nov 2006

DESCRIPTION OF PROJECT:

This project involves the planning, design and construction of a replacement sanitary sewer from Kipling Avenue to west of the CPR railway (south of Highway 407).

DELIVERABLE QUANTITY UNITS

NEED FOR PROJECT:

Replacement of the existing sewer will result in increased capacity that is needed to deal with projected increased flows, thereby accommodating population growth and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY

BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	<input type="text" value="24"/>	<input type="text" value="541"/>	<input type="text" value="610"/>	<input type="text" value="1,200"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="2,375"/>
Revenue Sources								
Tax Levy	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
DC	<input type="text" value="0"/>	<input type="text" value="433"/>	<input type="text" value="488"/>	<input type="text" value="960"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1,881"/>
Fees / Charges								
Other	<input type="text" value="24"/>	<input type="text" value="108"/>	<input type="text" value="122"/>	<input type="text" value="240"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="494"/>
Total	<input type="text" value="24"/>	<input type="text" value="541"/>	<input type="text" value="610"/>	<input type="text" value="1,200"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="2,375"/>

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	<input type="text" value="0"/>	<input type="text" value="8"/>	<input type="text" value="8"/>	<input type="text" value="56"/>	<input type="text" value="72"/>
Debt Repayment	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Other	<input type="text" value="0"/>	<input type="text" value="30"/>	<input type="text" value="30"/>	<input type="text" value="210"/>	<input type="text" value="270"/>
Total Gross Cost	<input type="text" value="0"/>	<input type="text" value="38"/>	<input type="text" value="38"/>	<input type="text" value="266"/>	<input type="text" value="342"/>
Less Revenue (specify)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Less DC on Debt 0.8	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total Net Cost	<input type="text" value="0"/>	<input type="text" value="38"/>	<input type="text" value="38"/>	<input type="text" value="266"/>	<input type="text" value="342"/>

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	<input type="text" value="0"/>	<input type="text" value="47"/>	<input type="text" value="47"/>	<input type="text" value="329"/>	<input type="text" value="1,952"/>	<input type="text" value="2,375"/>
Source 2 (specify)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total	<input type="text" value="0"/>	<input type="text" value="47"/>	<input type="text" value="47"/>	<input type="text" value="329"/>	<input type="text" value="1,952"/>	<input type="text" value="2,375"/>

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER

77330

PROJECT NAME

Division of Concord Sub-trunk

LOCATION

New Westminster Drive (immediately north of Steeles)

MUNICIPALITY

Vaughan

PROJECT MANAGER

Araniyasundaran, Bala

YEAR PROJECT INTRODUCED

2002

START DATE

COMPLETION DATE

Dec 2008

DESCRIPTION OF PROJECT:

To connect the Concord Sewer directly to the Southwest Collector at Steeles and New Westminster to free up capacity in the lower Maple Collector.

DELIVERABLE QUANTITY UNITS

NEED FOR PROJECT:

Provide relief to the southern end of the Maple Collector.

NEED CATEGORY

BENEFIT TO COMMUNITY / REGION:

Accommodate growth.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="225"/>	<input type="text" value="65"/>	<input type="text" value="770"/>	<input type="text" value="0"/>	<input type="text" value="1,060"/>
Revenue Sources								
Tax Levy	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
DC	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="180"/>	<input type="text" value="52"/>	<input type="text" value="616"/>	<input type="text" value="0"/>	<input type="text" value="848"/>
Fees / Charges	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="45"/>	<input type="text" value="13"/>	<input type="text" value="154"/>	<input type="text" value="0"/>	<input type="text" value="212"/>
Other	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="225"/>	<input type="text" value="65"/>	<input type="text" value="770"/>	<input type="text" value="0"/>	<input type="text" value="1,060"/>

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="48"/>	<input type="text" value="48"/>
Debt Repayment	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Other	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="180"/>	<input type="text" value="180"/>
Total Gross Cost	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="228"/>	<input type="text" value="228"/>
Less Revenue (specify)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Less DC on Debt 0.8	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total Net Cost	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="228"/>	<input type="text" value="228"/>

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="126"/>	<input type="text" value="934"/>	<input type="text" value="1,060"/>
Source 2 (specify)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="126"/>	<input type="text" value="934"/>	<input type="text" value="1,060"/>

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	77340
PROJECT NAME	Pine Valley Relief Sewer
LOCATION	East of Pine Valley Drive, South of Rowntree Road.
MUNICIPALITY	Vaughan
PROJECT MANAGER	Hrkac, Tom
YEAR PROJECT INTRODUCED	2002
START DATE	
COMPLETION DATE	Dec 2005

DESCRIPTION OF PROJECT:

This project involves the design and construction of a replacement sanitary sewer east of Pine Valley Drive and south of Rowntree Road.

DELIVERABLE QUANTITY UNITS

NEED FOR PROJECT:

Replacement of the existing sewer will result in increased capacity that is needed to deal with projected increased flows, thereby accommodating population growth and avoiding future spills and reducing environmental charges and fines. Project need to be confirmed with the City of Vaughan.

NEED CATEGORY

BENEFIT TO COMMUNITY / REGION:

0

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	<input type="text" value="31"/>	<input type="text" value="20"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="51"/>
Revenue Sources								
Tax Levy	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
DC	<input type="text" value="25"/>	<input type="text" value="16"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="41"/>
Fees / Charges								<input type="text" value="0"/>
Other	<input type="text" value="6"/>	<input type="text" value="4"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="10"/>
Total	<input type="text" value="31"/>	<input type="text" value="20"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="51"/>

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Debt Repayment	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Other	<input type="text" value="0"/>	<input type="text" value="5"/>	<input type="text" value="5"/>	<input type="text" value="35"/>	<input type="text" value="45"/>
Total Gross Cost	<input type="text" value="0"/>	<input type="text" value="5"/>	<input type="text" value="5"/>	<input type="text" value="35"/>	<input type="text" value="45"/>
Less Revenue (specify)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Less DC on Debt 0.8	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total Net Cost	<input type="text" value="0"/>	<input type="text" value="5"/>	<input type="text" value="5"/>	<input type="text" value="35"/>	<input type="text" value="45"/>

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="7"/>	<input type="text" value="42"/>	<input type="text" value="51"/>
Source 2 (specify)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total	<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="7"/>	<input type="text" value="42"/>	<input type="text" value="51"/>

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	77400
PROJECT NAME	*Pine Valley Wastewater Pumping Station
LOCATION	Pine Valley Drive and Langstaff Road
MUNICIPALITY	Vaughan
PROJECT MANAGER	Rabeau, Mike
YEAR PROJECT INTRODUCED	2003
START DATE	Jan 2004
COMPLETION DATE	Mar 2006

DESCRIPTION OF PROJECT:

Construction of a pumping station on Pine Valley Drive, north of Langstaff Road, and a forcemain from the pumping station along Pine Valley Drive and Langstaff Road connecting to the Islington Trunk Sewer.

DELIVERABLE QUANTITY	328	UNITS	L/s
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NEED FOR PROJECT:

The new pumping station will service the west half of Block 38 & 39 and part of Block 40 and pump flow to the Islington Trunk Sewer. The increased capacity is needed to deal with projected increased flows, thereby accommodating population growth and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	2,430	3,231	1,724	0	0	0	7,385
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								
Other	0	2,430	3,231	1,724	0	0	0	7,385
Total	0	2,430	3,231	1,724	0	0	0	7,385

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	11	11	77	99
Debt Repayment	0	0	0	0	0
Other	0	30	30	210	270
Total Gross Cost	0	41	41	287	369
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	41	41	287	369

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	98	98	686	6,503	7,385
Source 2 (specify)	0	0	0	0	0	0
Total	0	98	98	686	6,503	7,385

SERVICE LIFE YEARS: 75

COMMENTS:

This project is subject to front-end financing.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	77470
PROJECT NAME	Kleinburg Sanitary Servicing Study EA
LOCATION	Kleinburg
MUNICIPALITY	Vaughan
PROJECT MANAGER	Fung, Stephen
YEAR PROJECT INTRODUCED	2004
START DATE	Jun 2004
COMPLETION DATE	Jul 2005

DESCRIPTION OF PROJECT:

EA to study how to service the growth of Kleinburg community plan.

DELIVERABLE QUANTITY	1	UNITS	Study
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NEED FOR PROJECT:

To plan Infrastructure to meet the growth expected in Kleinburg community.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Permit growth in Kleinburg community.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	0	152	0	0	0	0	0	152
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	122	0	0	0	0	0	122
Fees / Charges								0
Other	0	30	0	0	0	0	0	30
Total	0	152	0	0	0	0	0	152

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

Part of a water/wastewater project with a combined cost of \$915,532. The other projects are 77480 and 77470

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER

77510

PROJECT NAME

* Bathurst Trunk Sewer Phase 3

LOCATION

Major Mackenzie Drive to Mid Block 12

MUNICIPALITY

Richmond Hill/Vaughan

PROJECT MANAGER

Hrkac, Tom

YEAR PROJECT INTRODUCED

2005

START DATE

COMPLETION DATE

Dec 2006

DESCRIPTION OF PROJECT:

The construction of the Bathurst Street sewer from the termination point at Phase 2 on Major Mackenzie Drive to Mid Block 12.

DELIVERABLE QUANTITY UNITS

NEED FOR PROJECT:

It is a front-end financing project to provide sewage service to the Block 12 and surrounding lands.

NEED CATEGORY

BENEFIT TO COMMUNITY / REGION:

Permit growth in Block 12 and surrounding areas.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1,210"/>	<input type="text" value="2,720"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="3,930"/>
Revenue Sources								
Tax Levy	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
DC	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Fees / Charges	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Other	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1,210"/>	<input type="text" value="2,720"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="3,930"/>
Total	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1,210"/>	<input type="text" value="2,720"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="3,930"/>

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="8"/>	<input type="text" value="56"/>	<input type="text" value="64"/>
Debt Repayment	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Other	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="25"/>	<input type="text" value="175"/>	<input type="text" value="200"/>
Total Gross Cost	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="33"/>	<input type="text" value="231"/>	<input type="text" value="264"/>
Less Revenue (specify) _____	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Less DC on Debt 0.8	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total Net Cost	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="33"/>	<input type="text" value="231"/>	<input type="text" value="264"/>

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify) _____	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="3,930"/>	<input type="text" value="3,930"/>
Source 2 (specify) _____	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="3,930"/>	<input type="text" value="3,930"/>

SERVICE LIFE YEARS:

COMMENTS:

Timing of the project subject to front-end financing. Developer proposed to carry out the construction of the works by themselves.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	78050
PROJECT NAME	*9th Line Trunk Sewer Extension to Stouffville
LOCATION	Ninth Line, south of Major Mackenzie Dr to Stouffville Rd
MUNICIPALITY	Markham & Whitchurch-Stouffville
PROJECT MANAGER	Subramaniam, Nitti
YEAR PROJECT INTRODUCED	2002
START DATE	Jan 2001
COMPLETION DATE	Oct 2005

DESCRIPTION OF PROJECT:

This project involves the design and construction of the 9th Line trunk sanitary sewer extension from south of Major Mackenzie Drive to Stouffville Road.

DELIVERABLE QUANTITY	<input type="text" value="9"/>	UNITS	<input type="text" value="km"/>
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NEED FOR PROJECT:

The Ninth Line Trunk Sewer will service the planned development of approximately 2000 hectares in the Stouffville Community. The increased capacity will also help avoid future spills and environmental charges and fines.

NEED CATEGORY	<input type="text" value="Growth/Expansion"/>
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BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	3,361	10,739	7,273	0	0	0	0	21,373
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	3,361	10,739	7,273	0	0	0	0	21,373
Total	3,361	10,739	7,273	0	0	0	0	21,373

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	11	11	77	99
Debt Repayment	0	0	0	0	0
Other	0	35	35	245	315
Total Gross Cost	0	46	46	322	414
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	46	46	322	414

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	427	427	2,989	17,530	21,373
Source 2 (specify)	0	0	0	0	0	0
Total	0	427	427	2,989	17,530	21,373

SERVICE LIFE YEARS:	<input type="text" value="50"/>
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COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	78110
PROJECT NAME	*Decommissioning of Stouffville WPCP and SPS
LOCATION	Stouffville WPCP at Park Dr & Ringwood Ave PS
MUNICIPALITY	Whitchurch-Stouffville
PROJECT MANAGER	Ferguson, Euan
YEAR PROJECT INTRODUCED	2002
START DATE	
COMPLETION DATE	Dec 2006

DESCRIPTION OF PROJECT:

Decommissioning of stouffville WPCP and SPS from service when sewage flows are diverted to the proposed YDSS Ninth Line Sanitary Trunk Sewer (project 78050)

DELIVERABLE QUANTITY UNITS

NEED FOR PROJECT:

Stouffville WPCP and SPS no longer required after completion of YDSS Ninth Line Sanitary Trunk Sewer (project 78050)

NEED CATEGORY

BENEFIT TO COMMUNITY / REGION:

Improve safety and enhance service levels

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	<input type="text" value="136"/>	<input type="text" value="326"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1,506"/>	<input type="text" value="0"/>	<input type="text" value="1,968"/>
Revenue Sources								
Tax Levy	<input type="text" value="-0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="-0"/>
DC	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Fees / Charges								<input type="text" value="0"/>
Other	<input type="text" value="136"/>	<input type="text" value="326"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1,506"/>	<input type="text" value="0"/>	<input type="text" value="1,968"/>
Total	<input type="text" value="136"/>	<input type="text" value="326"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1,506"/>	<input type="text" value="0"/>	<input type="text" value="1,968"/>

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Debt Repayment	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Other	<input type="text" value="0"/>	<input type="text" value="30"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="30"/>
Total Gross Cost	<input type="text" value="0"/>	<input type="text" value="30"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="30"/>
Less Revenue (specify)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Less DC on Debt 0.8	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total Net Cost	<input type="text" value="0"/>	<input type="text" value="30"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="30"/>

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Source 2 (specify)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Total	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

SERVICE LIFE YEARS:

COMMENTS:

Timing revised to concur with completion of 9th line trunk sewer(7805). EA completed In April 2003

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER

79100

PROJECT NAME

YDSS Master Plan Update

LOCATION

Region-wide

MUNICIPALITY

All

PROJECT MANAGER

McLean, Tracey

YEAR PROJECT INTRODUCED

2004

START DATE

COMPLETION DATE

Ongoing

DESCRIPTION OF PROJECT:

Update York Durham Sewage System Master Plan. Including periodic updates and support to the Wastewater Master Plan.

DELIVERABLE QUANTITY UNITS

NEED FOR PROJECT:

5 Year updates and ongoing support for the Region's YDSS Master Plan

NEED CATEGORY

BENEFIT TO COMMUNITY / REGION:

Infrastructure is planned efficiently and delivered in a timely manner.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	265	100	0	0	0	0	0	365
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	212	80	0	0	0	0	0	292
Fees / Charges								0
Other	53	20	0	0	0	0	0	73
Total	265	100	0	0	0	0	0	365

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	73	73	73	511	(365)	365
Source 2 (specify)	0	0	0	0	0	0
Total	73	73	73	511	(365)	365

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

BUSINESS UNIT

Transportation & Works

Wastewater

PROJECT NUMBER	79470
PROJECT NAME	TRCA Joint Initiative
LOCATION	Various
MUNICIPALITY	Whitchurch-Stouffville, Markham, Richmond Hill, Vaughan & King
PROJECT MANAGER	Lemon, Lloyd
YEAR PROJECT INTRODUCED	2000
START DATE	Jan 2000
COMPLETION DATE	Ongoing

DESCRIPTION OF PROJECT:

Support of the Toronto and Region Conservation Authority (TRCA) in watershed initiatives relating to wastewater management.

DELIVERABLE QUANTITY UNITS

NEED FOR PROJECT:

To minimize the effects of water and wastewater operations on the environment.

NEED CATEGORY

BENEFIT TO COMMUNITY / REGION:

Improved surface and drinking water quality for the residents of York Region.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	600	300	300	300	300	2,100	0	3,900
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	600	300	300	300	300	2,100	0	3,900
Total	600	300	300	300	300	2,100	0	3,900

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

0

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	79480
PROJECT NAME	LSRCA Joint Initiative
LOCATION	Various
MUNICIPALITY	Georgina, East Gwillimbury, Aurora, King, Whitchurch-Stouffville & Richmond Hill
PROJECT MANAGER	Lemon, Lloyd
YEAR PROJECT INTRODUCED	2000
START DATE	#REF!
COMPLETION DATE	Ongoing

DESCRIPTION OF PROJECT:

The support of the Lake Simcoe and Region Conservation Authority (LSRCA) for watershed initiatives relating to wastewater management.

DELIVERABLE QUANTITY	1	UNITS	program
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NEED FOR PROJECT:

To minimize the effects of wastewater operations on the environment.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Improved surface and drinking water quality for the residents of York Region.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	899	567	567	517	432	3,024	0	6,006
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								
Other	899	567	567	517	432	3,024	0	6,006
Total	899	567	567	517	432	3,024	0	6,006

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER

79570

PROJECT NAME

*Sutton WPCP

LOCATION

SW Black River Road and Park Road

MUNICIPALITY

Georgina

PROJECT MANAGER

Ferguson, Euan

YEAR PROJECT INTRODUCED

1998

START DATE

COMPLETION DATE

Sep 2010

DESCRIPTION OF PROJECT:

This project involves the planning, design and construction of a new sanitary WPCP in Sutton. Construction will occur in two phases.

DELIVERABLE QUANTITY UNITS

NEED FOR PROJECT:

The new WPCP will accommodate future growth of Sutton. Prior to the new WPCP, Sutton could only service 4500 Persons.

NEED CATEGORY

BENEFIT TO COMMUNITY / REGION:

Phase 1 expansion will service the needs of 7500 persons within the community of Sutton. Growth and phasing is consistent with approved Sutton Secondary Plan.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	7,745	190	0	0	110	6,640	0	14,685
Revenue Sources								
Tax Levy	-0	0	0	0	0	0	0	-0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	7,745	190	0	0	110	6,640	0	14,685
Total	7,745	190	0	0	110	6,640	0	14,685

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	84	84
Debt Repayment	0	0	0	0	0
Other	0	0	0	160	160
Total Gross Cost	0	0	0	244	244
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	244	244

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	1,176	13,509	14,685
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	1,176	13,509	14,685

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	79580
PROJECT NAME	YDSS CCTV Program
LOCATION	Various
MUNICIPALITY	Region-wide
PROJECT MANAGER	Patterson, Bill
YEAR PROJECT INTRODUCED	2002
START DATE	
COMPLETION DATE	Ongoing

DESCRIPTION OF PROJECT:

Closed-circuit video inspection program for selected sanitary sewer main in York Region.

DELIVERABLE QUANTITY	1	UNITS	program
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NEED FOR PROJECT:

To help evaluate the structural and hydraulic condition of sanitary sewers owned by York Region.

NEED CATEGORY	Rehabilitation/Replacement
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BENEFIT TO COMMUNITY / REGION:

The video inspections will allow the Region to more efficiently allocate monies towards the rehabilitation of its sewers, thus saving taxpayers money.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	313	100	190	100	100	600	0	1,403
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	313	100	190	100	100	600	0	1,403
Total	313	100	190	100	100	600	0	1,403

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	21	21	21	147	210
Debt Repayment	0	0	0	0	0
Other	25	25	25	175	250
Total Gross Cost	46	46	46	322	460
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	46	46	46	322	460

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	79740
PROJECT NAME	Peel System Cost Shared Works
LOCATION	Peel Region
MUNICIPALITY	Peel Region
PROJECT MANAGER	Fischer, Martin
YEAR PROJECT INTRODUCED	1998
START DATE	
COMPLETION DATE	Ongoing

DESCRIPTION OF PROJECT:

This project involves the planning and construction of various sewage works in Peel Region by the Regional Municipality of Peel Region to provide sewage treatment capacity to York Region. York Region is cost sharing this program with Peel Region.

DELIVERABLE QUANTITY	1	UNITS	program
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NEED FOR PROJECT:

The increased capacity is needed to deal with projected increased flows from York Region, thereby accommodating population growth and avoiding future spills and reducing environmental charges and fines.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc., thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	2,250	12,635	26,088	8,821	1,902	21,717	0	73,413
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	2,250	12,635	26,088	8,821	1,902	21,717	0	73,413
Total	2,250	12,635	26,088	8,821	1,902	21,717	0	73,413

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	261	3,480	4,557	39,983	48,281
Other	0	0	0	0	0
Total Gross Cost	261	3,480	4,557	39,983	48,281
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	209	2,784	3,646	31,987	38,625
Total Net Cost	52	696	911	7,997	9,656

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	79850
PROJECT NAME	YDSS Duffin Creek Upgrade
LOCATION	Duffin Creek WPCP
MUNICIPALITY	Durham Region
PROJECT MANAGER	Quinn, Kevin
YEAR PROJECT INTRODUCED	1998
START DATE	
COMPLETION DATE	Ongoing

DESCRIPTION OF PROJECT:

This program provides various projects for upgrading and rehabilitating the existing YDSS Duffin Creek WPCP.

DELIVERABLE QUANTITY	1	UNITS	Program
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NEED FOR PROJECT:

To ensure efficient operation of the Duffin Creek WPCP.

NEED CATEGORY	Rehabilitation/Replacement
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BENEFIT TO COMMUNITY / REGION:

The residents of York Region will benefit from reliable wastewater treatment to safe-guard public health and protect the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	13,674	11,087	13,000	5,000	5,000	10,000	0	57,761
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	13,674	11,087	13,000	5,000	5,000	10,000	0	57,761
Total	13,674	11,087	13,000	5,000	5,000	10,000	0	57,761

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

	2005	2006	2007	2008 - 2014	Total to 2014
Operating Costs					
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	57,761	57,761
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	57,761	57,761

SERVICE LIFE YEARS:

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

DEPARTMENT

Transportation & Works

Wastewater Services

BUSINESS UNIT

Wastewater

PROJECT NUMBER	79860
PROJECT NAME	YDSS Inflow/Infiltration Study
LOCATION	0
MUNICIPALITY	Newmarket, Aurora, Richmond Hill
PROJECT MANAGER	Fung, Stephen
YEAR PROJECT INTRODUCED	1998
START DATE	Oct 2000
COMPLETION DATE	Nov 2004

DESCRIPTION OF PROJECT:

The infiltration/inflow study will focus on locating main areas of infiltration within the municipalities of Aurora, Newmarket and Richmond Hill and provide recommendations for remedial measures.

DELIVERABLE QUANTITY	1	UNITS	study
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NEED FOR PROJECT:

To eliminate infiltration and inflow in the York Water System

NEED CATEGORY	Rehabilitation/Replacement
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BENEFIT TO COMMUNITY / REGION:

Reduce extraneous flow, thereby reducing treatment cost for York Region and permit efficient use of the Region's sewer capacity.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	459	30	0	0	0	0	0	489
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	67	24	0	0	0	0	0	91
Fees / Charges								0
Other	392	6	0	0	0	0	0	398
Total	459	30	0	0	0	0	0	489

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	0	0	0	0	0
Other	0	0	0	0	0
Total Gross Cost	0	0	0	0	0
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	0	0	0	0

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	33	33	33	231	159	489
Source 2 (specify)	0	0	0	0	0	0
Total	33	33	33	231	159	489

SERVICE LIFE YEARS: 15

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER

79870

PROJECT NAME

YDSS Duffin Creek WPCP Optimization

LOCATION

Duffin Creek WPCP

MUNICIPALITY

Durham Region

PROJECT MANAGER

Ferguson, Euan

YEAR PROJECT INTRODUCED

1998

START DATE

COMPLETION DATE

Mar 2006

DESCRIPTION OF PROJECT:

This project involves the design and construction of process upgrades at the Duffin Creek WPCP to increase treatment capacity from 80 MIGD to 92.5 MIGD.

DELIVERABLE QUANTITY

12

UNITS

MIGD

NEED FOR PROJECT:

An optimization and capacity assessment study was completed for the Duffin Creek WPCP that recommended a number of process upgrades that would result in increasing treatment capacity from 364,000cu.m/d (80MIGD)to 420,000 cu.m/d (92.5MIGD). This increased capacity is needed to deal with projected increased flows from York Region.

NEED CATEGORY

Growth/Expansion

BENEFIT TO COMMUNITY / REGION:

Completion of this project will allow for the development of local employment lands, recreational facilities etc. In York Region, thus improving the quality of life for York Region residents. The increase in capacity will also reduce the possibility of sewage spills and fines, thus saving taxpayers money and protecting the environment.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	14,653	19,209	9,300	2,870	175	0	0	46,207
Revenue Sources								
Tax Levy	-0	0	0	0	0	0	0	-0
DC	211	0	0	0	0	0	0	211
Fees / Charges								0
Other	14,442	19,209	9,300	2,870	175	0	0	45,996
Total	14,653	19,209	9,300	2,870	175	0	0	46,207

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	0	0	0	0
Debt Repayment	93	1,238	1,584	11,234	14,149
Other	0	0	0	0	0
Total Gross Cost	93	1,238	1,584	11,234	14,149
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	74	990	1,267	8,987	11,319
Total Net Cost	19	248	317	2,247	2,830

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

0

COMMENTS:

Liquids contract awarded at approx \$2M higher cost.

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	79890
PROJECT NAME	YDSS-Leslie PS Upgrade
LOCATION	Leslie Pumping Station
MUNICIPALITY	Markham
PROJECT MANAGER	Kyle, Steve
YEAR PROJECT INTRODUCED	1998
START DATE	
COMPLETION DATE	Dec 2005

DESCRIPTION OF PROJECT:

This project involves the provision of a secondary power feed for the Leslie Pumping Station.

DELIVERABLE QUANTITY	n/a	UNITS	n/a
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NEED FOR PROJECT:

The secondary power feed will reduce the potential for flooding from a power outage.

NEED CATEGORY	Growth/Expansion
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BENEFIT TO COMMUNITY / REGION:

The reduction in potential of a sanitary sewage spill will reduce possible environmental damage, charges and fines.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approved 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	70	950	1,550	0	0	0	0	2,570
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	57	760	1,240	0	0	0	0	2,057
Fees / Charges								0
Other	14	190	310	0	0	0	0	514
Total	70	950	1,550	0	0	0	0	2,570

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	0	21	21	147	189
Debt Repayment	0	0	0	0	0
Other	0	25	25	175	225
Total Gross Cost	0	46	46	322	414
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	0	46	46	322	414

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	34	34	238	2,264	2,570
Source 2 (specify)	0	0	0	0	0	0
Total	0	34	34	238	2,264	2,570

SERVICE LIFE YEARS: 75

COMMENTS:

2005 - 2014 10 Year Capital Plan

Project Detail Sheet

Wastewater Services

DEPARTMENT

Transportation & Works

BUSINESS UNIT

Wastewater

PROJECT NUMBER	79980
PROJECT NAME	YDSS Odour Control
LOCATION	Various
MUNICIPALITY	All
PROJECT MANAGER	Rurak, Dean
YEAR PROJECT INTRODUCED	1998
START DATE	
COMPLETION DATE	Ongoing

DESCRIPTION OF PROJECT:

The design and construction of facilities to mitigate odour problems at various locations within the York Durham Sewage System. Includes ways to eliminate problems with the formation and collection of H2S.

DELIVERABLE QUANTITY	n/a	UNITS	n/a
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NEED FOR PROJECT:

Increased sewage volumes have resulted in increased odours near sanitary sewage facilities and there have been complaints from residents near these facilities.

NEED CATEGORY	Service Improvement/Enhancement
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BENEFIT TO COMMUNITY / REGION:

Reduced odours near sanitary sewage facilities have enhanced the living environment for residents near these facilities. Reduction in H2S minimizes corrosive conditions and extends the life of the systems.

CAPITAL COST AND PROPOSED FINANCING SOURCES:

	Costs to Dec 31 / 03	Approve d 2004	2005	2006	2007	2008 - 2014	Balance to Complete	Total Project
Gross Costs								
Total	2,084	1,410	942	891	713	3,743	0	9,783
Revenue Sources								
Tax Levy	0	0	0	0	0	0	0	0
DC	0	0	0	0	0	0	0	0
Fees / Charges								0
Other	2,084	1,410	942	891	713	3,743	0	9,783
Total	2,084	1,410	942	891	713	3,743	0	9,783

IMPACT ON NET ANNUAL OPERATING COSTS / OPERATING SAVINGS:

Operating Costs	2005	2006	2007	2008 - 2014	Total to 2014
Salaries	8	8	8	56	80
Debt Repayment	0	0	0	0	0
Other	25	25	25	175	250
Total Gross Cost	33	33	33	231	330
Less Revenue (specify)	0	0	0	0	0
Less DC on Debt 0.8	0	0	0	0	0
Total Net Cost	33	33	33	231	330

ESTIMATED ANNUAL CONTRIBUTIONS TO RESERVE FOR REPAIR / REPLACEMENT OF ASSET (IF APPLICABLE):

	2005	2006	2007	2008 - 2014	Beyond 2014	Total
Source 1 (specify)	0	0	0	0	0	0
Source 2 (specify)	0	0	0	0	0	0
Total	0	0	0	0	0	0

SERVICE LIFE YEARS:

COMMENTS: