

# **Section VI**

## **Sewer Fund**

## Program Description

In 1976, Annual Town Meeting established a separate Sewer Fund to insure that the operation, maintenance, and capital improvement of the sewer system would be a financially viable enterprise. As such, all expenses incurred for the system are covered entirely by user fees. The Water/Sewer Division of Concord Public Works is responsible for managing the day-to-day operations of the sewer infrastructure, with a book value of over \$26.5 million dollars.

Concord's sewer system was established in 1900. The system presently consists of a 1.2 million gallon-per-day centralized wastewater treatment facility, two sewer pumping stations, six sewer lift stations, and approximately 33 miles of sewer collection system. The system currently serves 1,772 customers, or approximately 35% of the Town.

## FY08 Program Highlights

**Pumping Station Equipment/Structures:** Efforts are underway to systematically replace all of the original pumping equipment associated with the pumping facilities as it reaches the end of its useful life. Much of this equipment was installed back in the mid-1980s. Specific work performed (or scheduled to be performed) in FY08 includes the replacement of the first of three 75-hp pumps located within the Lowell Road pumping facility; replacement of the first of two 75-hp pumps located within the Assabet pumping facility (West Concord), and the complete replacement and possible reconfiguration of the first of four neighborhood lift stations.

**Inflow/Infiltration:** The wastewater treatment plant (WWTP) currently receives about one million gallons per day of wastewater. An ongoing inflow and infiltration (I/I) program has been developed to reduce the groundwater/stormwater presently entering the collection system through deteriorating pipes or illicit stormwater connections. National Water Main Cleaning Company of Hyde Park, Massachusetts, working under a three-year contract, performed sewer system inspection and rehabilitation activities including TV inspections of pipes, joint testing and sealing, root control treatment, manhole inspections, cementitious lining of leaky manholes, and miscellaneous cleaning services.

**Wastewater Treatment Plant Facilities Improvements:** In 2005, Town Meeting authorized borrowing 12 million dollars for the design and construction of treatment plant facility improvements. The recently completed project included the addition of a new headworks facility, replacement of grit removal equipment, upgrades to the septage receiving area, significant modifications to the sludge handling components, creation of a new building addition to house a pre-purchased tertiary treatment process (CoMag), installation of new ultraviolet disinfection equipment, improved chemical storage and feed systems, electric system upgrades, and integration of a Supervisory Control and Data Acquisition (SCADA) system. Waterline Industries of Seabrook, New Hampshire, performed this work with construction administration support provided by Camp Dresser & McKee of Cambridge, Massachusetts.

**Integrated Planning Initiative:** Projected wastewater flows from properties already sewered, along with committed flows from properties previously bettered (assessed a fee allowing for future connection) will cause total flows at the treatment plant to reach the maximum discharge permit limit of 1.2 million gallons per day. The Town has recently identified areas where new growth may be desired to meet economic development and affordable housing goals. Weston & Sampson Engineers, Inc. and Taintor Associates were retained to work with staff on updating and summarizing these planning interests in relationship to associated wastewater needs and limitations. The effort culminated in a report entitled "The Status of Municipal Wastewater Treatment in Concord,

Massachusetts". This report has helped Town boards understand the need to explore various alternatives for expanded municipal wastewater management services.

## **FY09 Capital Plan**

### **COLLECTION SYSTEM**

#### **Station Structures: \$10,000**

Annual capital outlay for improvements and replacement of structures, including six neighborhood lift stations and two main pump stations.

#### **Station Equipment: \$150,000**

Annual capital outlay for improvements and replacement of equipment housed within six neighborhood lift stations and two main pump stations. Equipment required to control, monitor, pump, store, and treat wastewater on its path to the Treatment Plant, including motors, pumps, motor control panels, and air compressors. Specific work scheduled to be performed includes the replacement of the second of three 75-hp pumps located within the Lowell Road pumping facility; replacement of the second of two 75-hp pumps located within the Assabet pumping facility (West Concord), and the complete replacement and possible reconfiguration of the second of four neighborhood lift stations.

#### **Inflow/Infiltration: \$150,000**

The wastewater treatment plant currently receives about one million gallons of sewer flow per day. Annual inflow and infiltration (I/I) activities are required to reduce groundwater and stormwater which enters the collection system through deteriorating pipes, leaking manholes or illicit stormwater connections. An active and annual I/I program is also a requirement of our WWTP National Pollutant Discharge Elimination System (NPDES) permit.

#### **Meter Replacement Program: \$6,000**

Sewer fund portion (20%) of costs associated with system-wide meter replacement efforts. Investment and effort expanded in coordination with CMLP initiative to adopt radio-read technology which will allow for more progressive meter-reading capabilities.

#### **Services: \$10,000**

Costs associated with the replacement/installation (street to property line) of approximately 2-3 new sewer-service connections to our collection system plus installation of 10-20 service cleanouts in Concord Center to be coordinated with the improvements associated with Roads Program.

### **WASTE WATER TREATMENT PLANT**

#### **Structures: \$55,000**

Annual capital outlay for improvements and replacement of WWTP structures. Planned work includes the rehabilitation of primary clarifier (unit #2) and detritor (grit removal chamber).

#### **Equipment: \$25,000**

Annual cost to replace equipment presently in use beyond recommended service life, including motors, pumps, motor control panels, chemical feed systems, and process instrumentation.

#### **Capacity/Treatment Optimization: \$150,000**

Design and permitting activities associated with wastewater treatment expansion/enhancement interests which will likely include groundwater recharge alternatives.

In addition, completion of Phase I sewer project coupled with accelerated wastewater inflow has resulted in anticipated sewer capacity constraints within the municipal sewer system. Broader Town planning and economic development interests have necessitated an evaluation of alternative municipal wastewater management opportunities.

**GENERAL PLANT**

**Keyes Road Facility: \$7,000**

Sewer Fund portion (20%) of capital outlay for improvements to Water/Sewer Administrative Office and Garage facilities. Plan is to complete rehabilitation project involving electric room, heating system and field operations work area.

**Miscellaneous Field Equipment and Tools: \$10,000**

Miscellaneous equipment not included in 5-year capital equipment/vehicle plan.

**Vehicles: \$10,600**

Sewer Fund portion (20%) of fleet replacement costs. Water/Sewer Fleet consists of 17 vehicles and miscellaneous service equipment such as compressor, vacuum, etc., which are replaced in accordance with CPW criteria based on industry-accepted useful life measures.

**FY09 Operating Budget**

For FY09, the most significant change in the operating budget is an increase of \$53,000 in the management contract for the Wastewater Treatment Plant. The cost increase includes increased staffing, utilities (primarily chemical and electrical), and sludge management costs required to meet more stringent discharge permitting requirements.

The proposed budget also includes \$10,000 as the Sewer Fund's 20% share of the new Treatment System Operator position (see discussion on page V-4, Water Fund budget).

The large increase in depreciation expense over the past several years is the result of the significant amount of capital spending on Wastewater Treatment Plant improvements that are being completed in FY08. Including design, this plant upgrade exceeds \$12 million, about the total amount expended on the completely new plant in 1985-87. Depreciation expense is a non-cash expense; that is, it is a current charge intended to produce the funds to maintain the infrastructure as it is used. Accounting regulations require that this charge can only be based upon actual, not replacement, cost. Depreciation expense is now about one-half of the total Sewer Operating budget, as shown in the table below:

	<b>Depreciation Expense</b>	<b>Share of total budget</b>
FY05	\$ 628,375	37%
FY06	841,574	46%
FY07	1,114,055	49%
FY08 Budget	1,267,577	50%
FY09 Proposed	1,328,600	50%

**Beyond FY09**

Long-term wastewater management activities, specifically as they relate to wastewater treatment capacity and associated community planning interests, will continue to drive the ten-year capital improvement plan and financial pro-forma. It is anticipated that any significant change to the system, whether it be for capacity expansion or for sewer system extensions in accordance with the Comprehensive Wastewater Management Plan (2004), will involve future Town Meeting action.

Town of Concord, Massachusetts

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**OPERATING REVENUES (\$)**

	FY2006 Actual	FY2007 Actual	FY2008 Rev. Budget	FY09 Estimate
Sewer User Fees (a)	\$1,818,232	\$1,881,553	\$1,964,000	\$2,070,000
Sewer Service Charges	9,732	8,300	10,000	10,000
Septage Fees	87,633	95,250	95,000	96,000
Liens & Tax Titles	6,224	6,537	9,000	9,000
Other Revenue	3,458	3,000	3,000	3,000
<b>Operating Revenue Total</b>	<b>\$1,925,279</b>	<b>\$1,994,640</b>	<b>\$2,081,000</b>	<b>\$2,188,000</b>

(a) Sewer Improvement Fees are included in non-operating income.

**OPERATING EXPENSES (\$)**

	FY2006 Actual	FY2007 Actual	FY2008 Rev. Budget	FY09 Estimate
<b>DIVISION - Sewer Collection System:</b>				
Personal Services	\$203,822	\$218,479	\$217,263	\$246,527
Purchased Services	136,290	127,262	108,234	118,594
Supplies & Materials	42,548	46,660	43,791	48,223
Other Charges & Expenses	5,762	4,123	16,577	14,192
General Fund Services	75,043	78,676	80,574	80,270
<b>Collection System Subtotal</b>	<b>\$463,464</b>	<b>\$475,200</b>	<b>\$466,439</b>	<b>\$507,806</b>
<b>DIVISION - Wastewater Treatment Plant:</b>				
Personal Services	\$37,696	\$41,227	\$43,897	\$46,397
Purchased Services	958	56	10,400	2,200
Management Contract	492,304	563,567	637,634	690,713
Supplies & Materials	805	0	375	0
Other Charges & Expenses	82	0	3,445	0
General Fund Services	75,042	78,676	80,575	80,270
<b>Treatment Plant Subtotal</b>	<b>\$606,887</b>	<b>\$683,526</b>	<b>\$776,326</b>	<b>\$819,580</b>
Depreciation Expense	\$841,574	\$1,114,055	\$1,267,577	\$1,328,600
Audit Adjustment	(83,786) <sup>(a)</sup>	0	0	0
<b>Operating Expense Total</b>	<b>\$1,828,139</b>	<b>\$2,272,781</b>	<b>\$2,510,342</b>	<b>\$2,655,986</b>

(a) One-time depreciation reclassification adjustment resulting from conversion to an automated fixed-asset tracking system.

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**AUTHORIZED POSITIONS (\$)**

Code	Position Title	Grade	Fiscal Year 2008		Fiscal Year 2009	
			# Positions	\$ Amount	# Positions	\$ Amount
<b>DIVISION - Sewer Collection System:</b>						
5111	W/S Superintendent	MP-10	0.20	\$17,667	0.20	\$17,667
	Asst. to Superintendent	MP-5	0.20	13,772	0.20	13,825
	Environmental Analyst	MP-3	0.20	9,973	0.20	9,998
	Administrative Assistant	ACL-5	0.20	9,593	0.20	9,630
	Public Works Superv.	LA-8	0.40	25,337	0.40	25,722
	Crew Leader	LA-5	0.40	21,370	0.40	21,504
	Treatment Syst. Oper.	LA-4	0.40	17,900	0.60	27,011
	System Maintainer	LA-3	1.00	38,167	1.00	40,441
	IS Support:					
	Technical Admin.	MP-8	0.01	712	0.01	712
	Info. Systems Asst.	MP-1	0.01	478	0.01	478
	<b>Subtotals</b>		3.02	\$154,969	3.22	\$166,988
	Standby Pay		680 hrs.	18,455	680 hrs.	19,224
5120	GIS Intern	\$15/hr.	160 hrs.	2,400	312 hrs	4,680
5130	Overtime		400 hrs.	13,828	400 hrs.	13,840
5131	Police Details		90 hrs.	3,600	90 hrs.	3,600
517X	Group Insurance:					
	Health, Life, Dental			17,675		18,175
	Retirement			8,938		8,943
	Soc. Sec. & Medicare Tax			2,000		2,300
51XX	Allowance for Salary Increases:					
	Regular Pay					9,000
	Overtime Pay					700
	Budgeted Charges					
	to Snow Account		40 hrs.	(860)	40 hrs.	(923)
	Vacancy savings			(3,742)		
	<b>Division Total</b>			\$217,263		\$246,527
<b>DIVISION - Wastewater Treatment Plant:</b>						
5111	Operations Engineer	MP-7	0.60	\$41,072	0.60	\$41,072
517X	Group Insurance:					
	Health, Life, Dental			2,325		2,825
	Retirement			0		0
	Social Security & Medicare Tax			500		500
51XX	Allowance for Salary Increases:					2,000
	<b>Subtotals</b>			\$43,897		\$46,397
<b>Sewer Fund Totals</b>				\$261,160		\$292,924

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**DEBT SERVICE (\$)**

**Long-term Debt Repayment Schedule:**

	<u>FY2006 Actual</u>	<u>FY2007 Actual</u>	<u>FY2008 Rev. Budget</u>	<u>FY09 Estimate</u>
<b>DIVISION - Sewer Collection System:</b>				
Principal	\$0	\$194,715	\$641,194	\$671,264
Interest	0	118,141	336,927	302,273
<b>Subtotals</b>	<b>\$0</b>	<b>\$312,856</b>	<b>\$978,121</b>	<b>\$973,537</b>
<b>Add:</b>				
BAN Interest	29,917	5,144	0	0
Debt Issuance Expense	6,000	49,322	0	0
<b>Totals</b>	<b>\$35,917</b>	<b>\$367,322</b>	<b>\$978,121</b>	<b>\$973,537</b>

**PAYMENTS TO THE GENERAL FUND (\$)**

	<u>FY2006 Actual</u>	<u>FY2007 Actual</u>	<u>FY2008 Rev. Budget</u>	<u>FY2009 Estimate</u>
<b>Management &amp; Engineering Svcs.</b>				
Highway Maintenance	\$3,426	\$3,079	\$3,642	\$3,690
133/135 Keyes Road facilities	10,131	11,949	13,344	12,763
Public Works Engineering	13,741	14,375	15,134	15,740
Public Works Administration	26,554	26,097	28,178	26,188
<b>Financial &amp; Administrative Svcs.</b>				
Town Manager	21,930	22,928	23,828	24,519
Town Accountant	10,359	10,225	10,357	10,442
audit services	5,400	5,640	6,000	6,000
Treasurer-Collector	9,971	10,143	10,472	10,236
Finance Administration	11,299	11,584	13,715	14,342
Personnel Administration	2,707	2,810	2,911	2,990
Town House facilities	2,845	3,023		
<b>Natural Resources protection</b>				
Planning	4,959	5,115	5,234	5,231
Natural Resources	4,584	4,643	4,913	5,055
Health	22,180	22,406	23,421	23,344
<b>Total</b>	<b>\$150,086</b>	<b>\$154,017</b>	<b>\$161,149</b>	<b>\$160,540</b>

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**NET INCOME (\$)**

	FY2006 <u>Actual</u>	FY2007 <u>Actual</u>	FY2008 <u>Rev. Budget</u>	FY2009 <u>Estimate</u>
<b>Statement of Net Income:</b>				
Operating Revenues	\$1,925,279	\$1,994,640	\$2,081,000	\$2,188,000
Less Operating Expenses	<u>(1,828,139)</u>	<u>(2,272,781)</u>	<u>(2,510,342)</u>	<u>(2,655,986)</u>
<b>Operating Income</b>	\$97,140	(\$278,141)	(\$429,342)	(\$467,986)
<b>Add:</b>				
Investment Income	\$203,641	\$206,565	\$160,000	\$55,000
State grants	12,304	0	0	
Betterment Support - CWMP, Phase I	0	174,756	159,039	158,876
Sewer Improvement Fees	<u>564,413</u>	<u>205,859</u>	<u>43,000</u>	<u>43,000</u>
<b>Gross Income</b>	\$877,498	\$309,039	(\$67,303)	(\$211,110)
<b>Less:</b>				
Short-Term Debt Interest Expense	(35,917)	(5,144)	0	0
Long-Term Debt Interest Expense:				
Supported from Sewer Operations	0	(38,100)	(285,256)	(252,934)
Supported from Betterments	0	(80,041)	(51,671)	(49,339)
Other Adjustments	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b>Net Income</b>	\$841,581	\$185,754	(\$404,230)	(\$513,383)

**AVAILABLE RESOURCES (\$)**

<b>Resources Available from Current Operations for Replacement &amp; Renewal of Plant:</b>				
	FY2006 <u>Actual</u>	FY2007 <u>Actual</u>	FY2008 <u>Rev. Budget</u>	FY2009 <u>Estimate</u>
<b>From:</b>				
Depreciation Expense	\$841,574	\$1,114,055	\$1,267,577	\$1,328,600
Net Income	<u>841,581</u>	<u>185,754</u>	<u>(404,230)</u>	<u>(513,383)</u>
<b>Subtotals</b>	\$1,683,155	\$1,299,809	\$863,347	\$815,217
<b>Less:</b>				
Debt Principal Repayment				
From Sewer Operations	0	(100,000)	(533,827)	(561,727)
From Betterments	<u>0</u>	<u>(94,715)</u>	<u>(107,367)</u>	<u>(109,537)</u>
<b>Net Available for Capital Purposes</b>	<u>\$1,683,155</u>	<u>\$1,105,094</u>	<u>\$222,153</u>	<u>\$143,953</u>

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**CAPITAL SPENDING PLAN (\$)**

<b>Uses of Resources:</b>	<u>FY2006 Actual</u>	<u>FY2007 Actual</u>	<u>FY2008 Rev. Budget</u>	<u>FY2009 Estimate</u>
<b>DIVISION - Sewer Collection System:</b>				
<u>Vehicle Purchase/Replacement:</u>				
Unit #3: 1997 Sedan (Lum.)/SUV Esc.	5,453	0	0	
Unit 79 2007 Ford F150 Pick-up	0	4,596	0	
Unit #77 2008 Ford F350 4x2 Chassis	0	3,496	0	
Unit #80 2001 Pick-Up (1500)	0	0	0	6,000
Unit #85 2002 Chevy C2500	0	0	5,958	
Unit #86 2002 Pick-Up (1500)	0	0	0	4,600
Unit #78 2006 Ford F550	0	9,866	0	
Unit #88: 1996 Pick-up (Enclosed Bed)	11,793	0	0	
1996 Crane and Air Compressor	4,254	0	0	
Unit #99 2005 Pickup (Ext. Cap Colorado)	4,118	0	0	
Auxiliary Vehicle Items	1,182	0	0	
<u>Pumping Plant:</u>				
Station Structures	0	55,990	10,000	10,000
SCADA Upgrade	0	2,780	0	0
Station Equipment	31,369	88,427	150,000	150,000
<u>Collection Plant:</u>				
Meter Replacement Program	35,391	32,810	48,000	6,000
New/Replacement Mains	590,377	15,385	170,000	
Infiltration/Inflow Remediation	16,467	90,112	150,000	150,000
Service Connections	0	0	10,000	10,000
<u>Misc. Capital Costs:</u>				
Keyes Road Facility	1,019	0	12,500	7,000
Computer Software & Hardware	2,500	0	0	0
Miscellaneous Equipment	3,143	0	2,000	10,000
<b>-continued-</b>				

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**CAPITAL SPENDING PLAN (\$) (cont'd)**

<b>Uses of Resources (continued)</b>	<u>FY2006 Actual</u>	<u>FY2007</u>	<u>FY2008 Rev. Budget</u>	<u>FY2009 Estimate</u>
<u>Wastewater Management Project:</u>				
Wastewater Management Plan	0	48,048	35,000	0
Total Phase 1 Construction Cost	<u>2,101,325</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b>Collection System Subtotal</b>	\$2,808,391	\$303,462 #	\$558,458	\$353,600
<b>DIVISION - Wastewater Treatment Plant:</b>				
<u>Structures:</u>				
Building Equipment Replacement	0	24,100	30,000	55,000
<u>Equipment:</u>				
Plant Equipment Replacement	29,939	18,115	25,000	25,000
Co-Mag Equipment	2,013,151	0	465,000	0
<u>Improvements:</u>				
Design	1,110,086	0	0	0
Construction	<u>0</u>	<u>6,066,252</u>	<u>4,933,748</u>	<u>150,000</u>
<b>Treatment Plant Subtotals</b>	\$3,153,176	\$6,108,467	\$5,453,748	\$230,000
<b>Grand Totals</b>	\$5,961,567	\$6,411,929	\$6,012,206	\$583,600

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**USE OF BORROWED FUNDS (\$)**

	FY2006 Actual	FY2007 Actual	FY2008 Rev. Budget	FY2009 Estimate
<u>Capital Projects:</u>				
Wastewater Treatment Plant	\$1,000,000	\$6,066,252	\$4,933,748	\$0
Wastewater Management Project	2,101,325		0	0
<b>Totals</b>	<b>\$3,101,325</b>	<b>\$6,066,252</b>	<b>\$4,933,748</b>	<b>\$0</b>

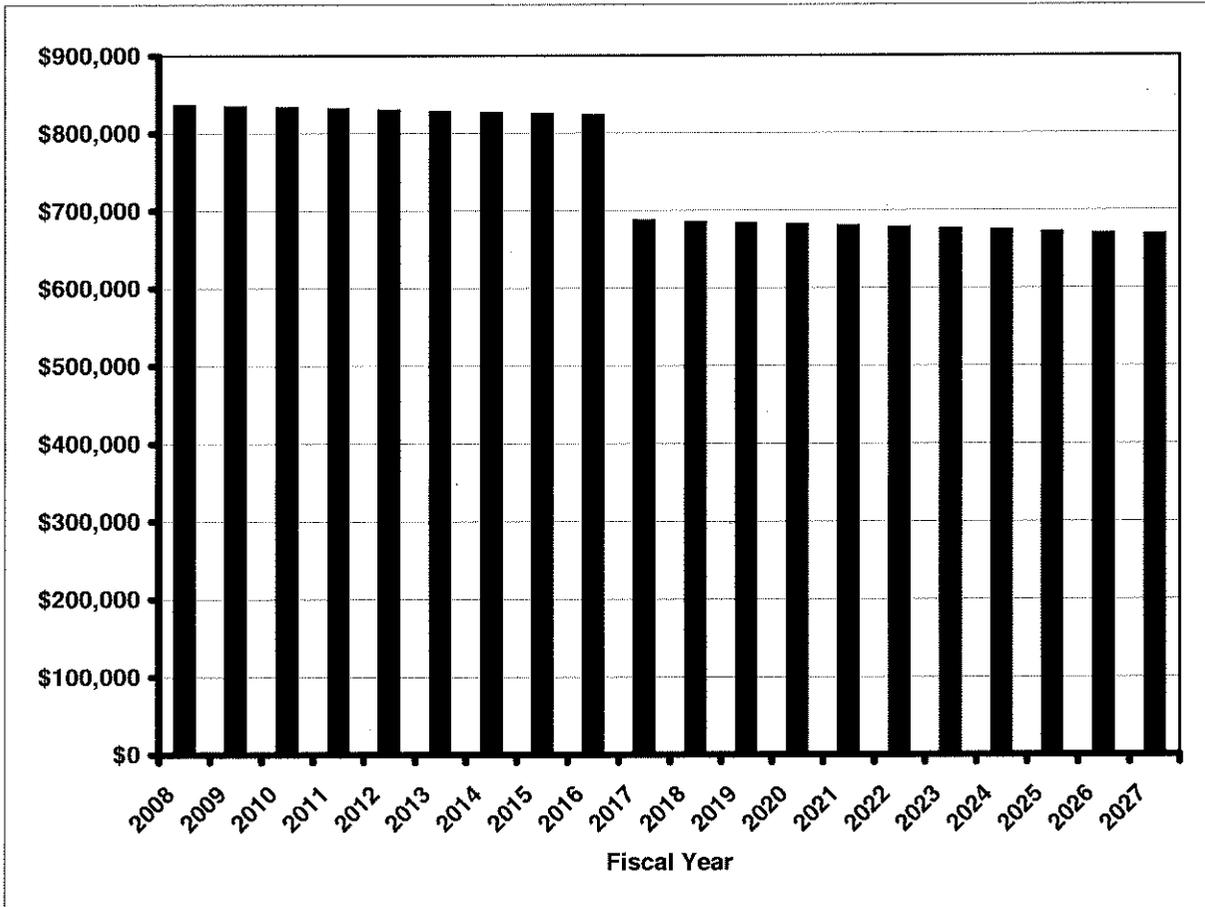
**RECAP - CIP FINANCING SUMMARY (\$)**

	FY2006 Actual	FY2007 Actual	FY2008 Rev. Budget	FY2009 Estimate
<b>TOTAL Spending</b>	5,961,567	6,411,929	6,012,206	583,600
<b>Funding Source:</b>				
From Debt Proceeds	3,101,325	6,066,252	4,933,748	0
From Sewer Fund Cash	2,860,242	345,677	1,078,458	583,600
<b>Sewer Fund Cash Available:</b>				
From Current Operations	1,683,155	1,105,094	222,153	143,953
From (to) Fund Balance	1,177,087	(759,417)	856,305	439,647

### Sewer Debt Service (\$)

**Exclusive of betterment financing**

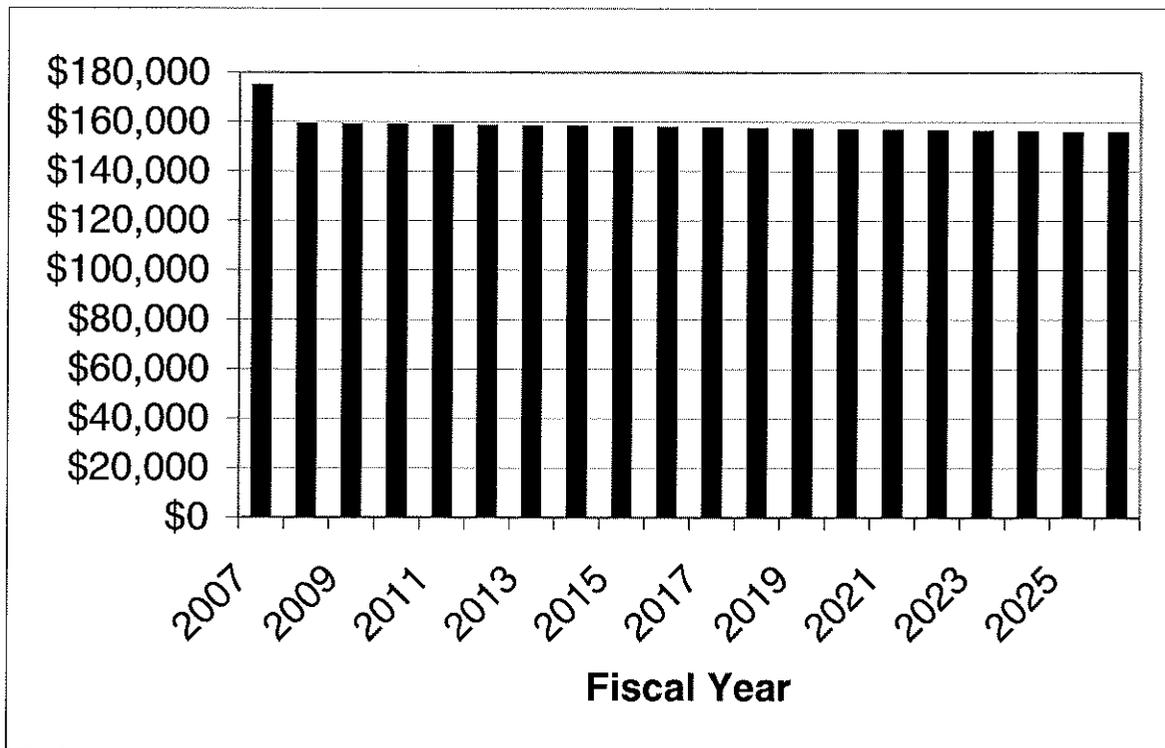
Fiscal Year	Principal	Interest	Total
2008	533,827	302,256	\$836,083
2009	561,727	272,859	\$834,586
2010	571,055	262,004	\$833,059
2011	580,572	250,929	\$831,501
2012	590,280	239,631	\$829,911
2013	600,185	228,105	\$828,290
2014	610,290	216,346	\$826,636
2015	620,598	204,349	\$824,947
2016	631,116	192,110	\$823,226
2017	541,845	145,148	\$686,993
2018	552,791	132,410	685,201
2019	563,959	119,414	683,373
2020	575,352	106,155	681,507
2021	586,975	92,629	679,604
2022	598,833	78,829	677,662
2023	610,931	64,751	675,682
2024	623,273	50,388	673,661
2025	635,865	35,735	671,600
2026	648,710	20,786	669,496
2027	661,816	6,618	668,434
<b>Totals</b>	<b>\$11,900,000</b>	<b>\$3,021,452</b>	<b>\$14,921,452</b>



### Sewer Debt Service (\$)

*funded from sewer betterment assessments*

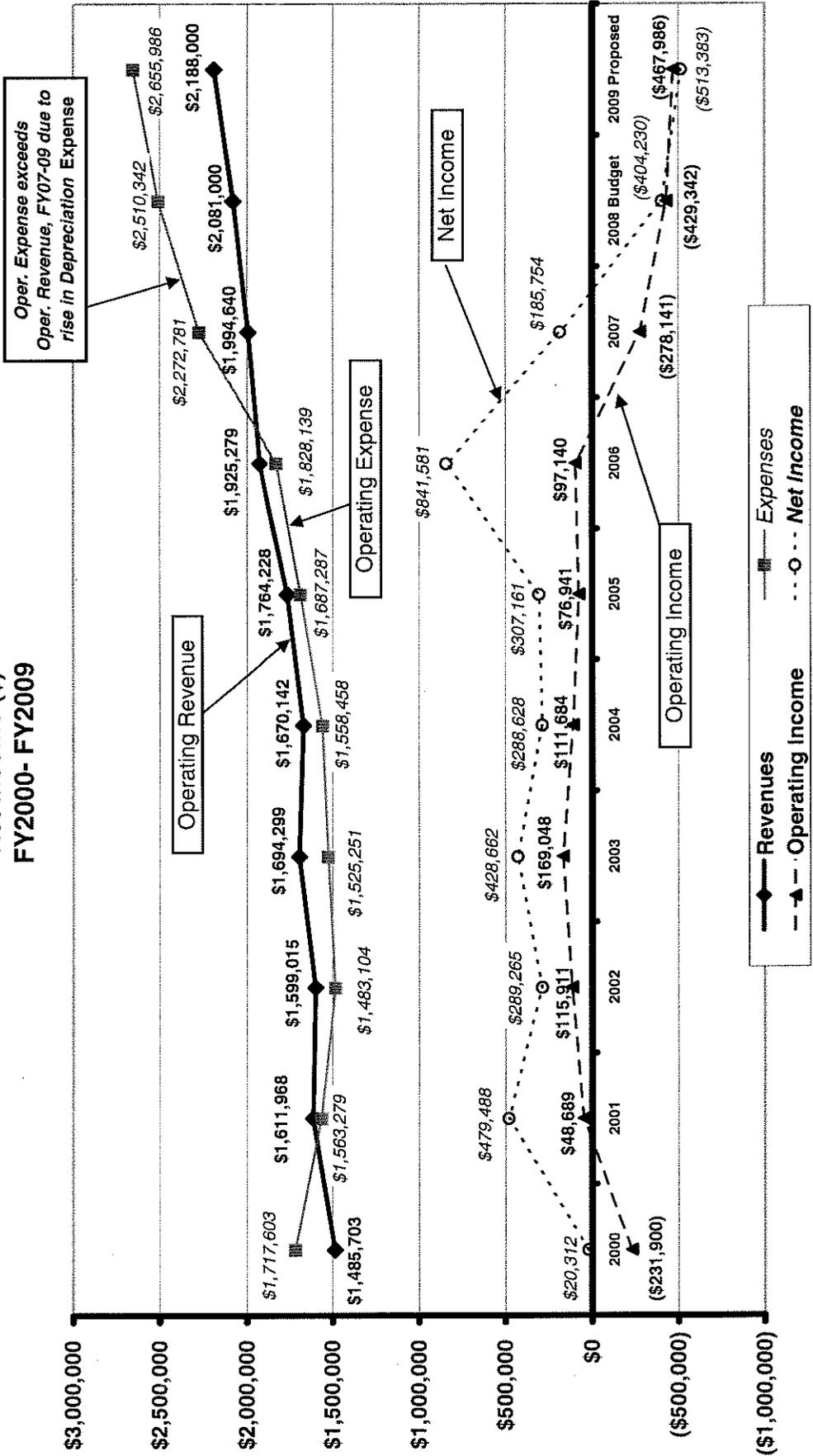
Fiscal Year	Principal	Interest	Total
2007	\$94,715	\$80,041	\$174,756
2008	107,367	51,671	159,038
2009	109,537	49,339	158,876
2010	111,749	46,961	158,710
2011	114,007	44,534	158,541
2012	116,310	42,058	158,368
2013	118,660	39,532	158,192
2014	121,057	36,955	158,012
2015	123,503	34,326	157,829
2016	125,997	31,644	157,641
2017	128,543	28,908	157,451
2018	131,140	26,116	157,256
2019	133,789	23,268	157,057
2020	136,492	20,362	156,854
2021	139,249	17,398	156,647
2022	142,062	14,374	156,436
2023	144,932	11,289	156,221
2024	147,860	8,141	156,001
2025	150,847	4,930	155,777
2026	153,895	1,654	155,549
<b>Totals</b>	<b>\$2,551,711</b>	<b>\$613,501</b>	<b>\$3,165,212</b>



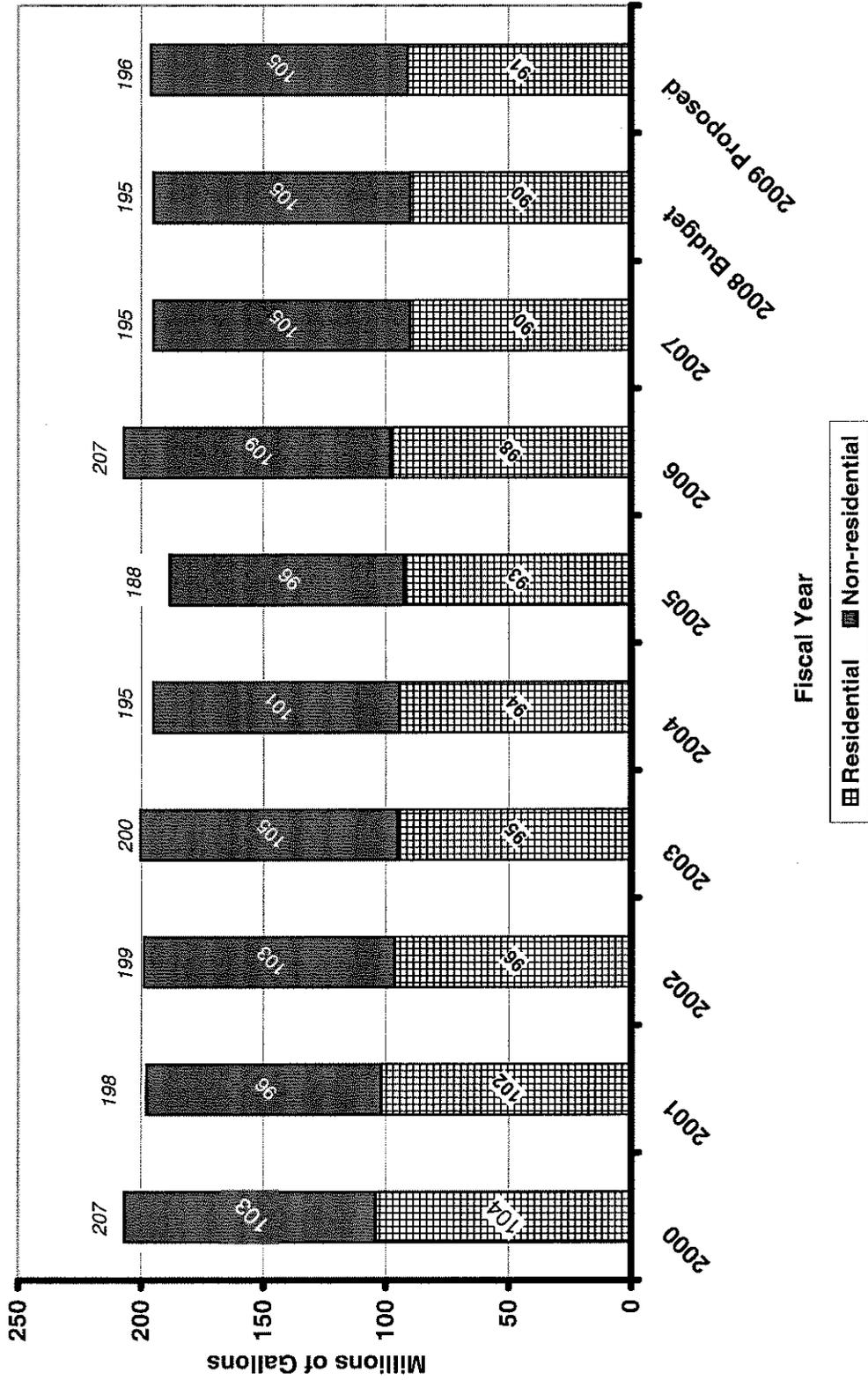
**Sewer Fund**  
**Sewage Billed, Revenues, Expenses, & Net Income**  
**Operating Income, & Net Income**  
**FY2000 - FY2009**

<u>Fiscal Year</u>	<u>Sewage Billed</u> (Millions of Gallons)			<u>Operating Revenues</u>	<u>Less Oper Expenses</u>	<u>= Operating Income</u>	<u>Net Income</u>
	<u>Resid</u>	<u>Non-resid</u>	<u>Total</u>				
2000	104	103	207	\$1,485,703	\$1,717,603	(\$231,900)	\$20,312
2001	102	96	198	\$1,611,968	\$1,563,279	\$48,689	\$479,488
2002	96	103	199	\$1,599,015	\$1,483,104	\$115,911	\$289,265
2003	95	105	200	\$1,694,299	\$1,525,251	\$169,048	\$428,662
2004	94	101	195	\$1,670,142	\$1,558,458	\$111,684	\$288,628
2005	93	96	188	\$1,764,228	\$1,687,287	\$76,941	\$307,161
2006	98	109	207	\$1,925,279	\$1,828,139	\$97,140	\$841,581
2007	90	105	195	\$1,994,640	\$2,272,781	(\$278,141)	\$185,754
2008 Budget	90	105	195	\$2,081,000	\$2,510,342	(\$429,342)	(\$404,230)
2009 Proposed	91	105	196	\$2,188,000	\$2,655,986	(\$467,986)	(\$513,383)

**Sewer Fund  
Operating Revenues, Expenses, & Income;  
Net Income (\$)   
FY2000- FY2009**



**Sewer Fund  
Sewage Billed by Customer Class  
(Millions of Gallons)  
FY2000 - FY2009**

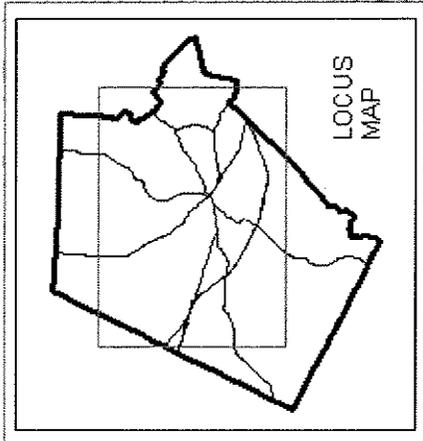
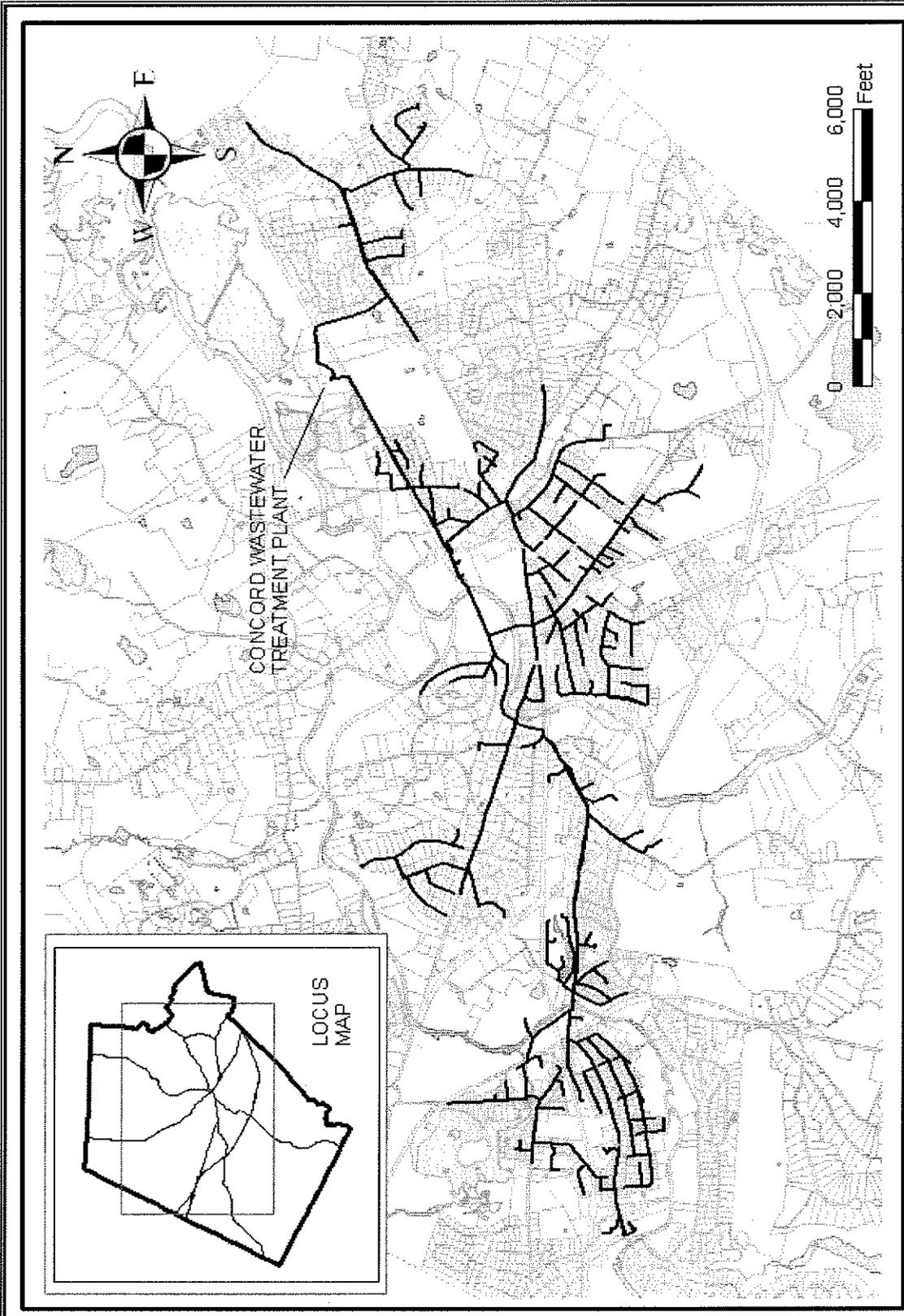


## SEWER RATES

(Per 100 Cubic Feet)

Class of Customer	Current	Proposed	%Chg.
(1 unit = 100 cubic feet = 748 gallons)			
1 <b>Residential Service</b> Rate billed year around but uses wintertime average consumption for non-wintertime months.	\$7.57	\$7.95	5%
2 <b>Non-Residential Service</b> Rate billed year around using actual readings for each billing period.	\$7.57	\$7.95	5%

Sample Impacts	Current Annual	Proposed Annual	Annual Change	Monthly Change	% Chg.
1 <b>Average Residential Customer</b> (17 units bimonthly wintertime use)	\$ 757	\$ 795	\$38.00	\$3.17	5%
2 <b>Typical Non-Residential Customer</b> (18 cubic feet bimonthly)	\$ 818	\$ 859	\$41.04	\$3.42	5%



**LEGEND**

- Sanitary Sewer
- Property Lines
- Rivers and Ponds

March 15, 2007

This map was created by Concord Public Works. The information is provided as a reasonably accurate point of reference but is not guaranteed and is not to be used for conveyances. The Town of Concord shall not be held responsible for the accuracy or misuse of these data.

# Town of Concord Sewer System