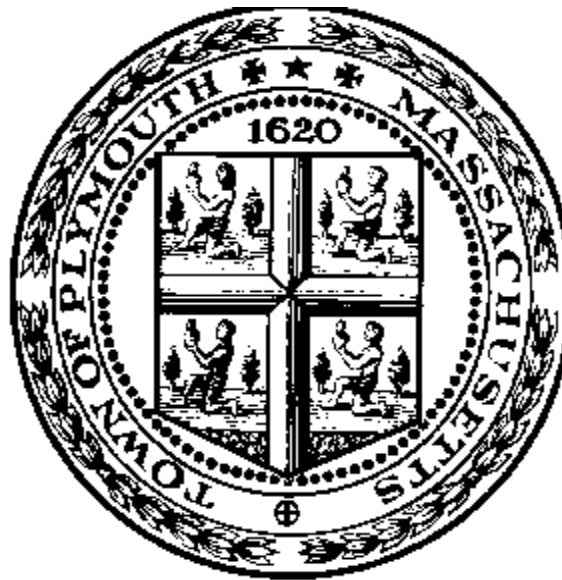


Town of Plymouth

Water Rate Study

*Rate Requirements and Options
FY 07 to FY 16*



Financial Advisory Associates, Inc.

January 25, 2005

Town of Plymouth
Water Rate Study

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I. Executive Summary

The town of Plymouth engaged Wright-Pierce to undertake a comprehensive evaluation of the water system in an effort to determine the adequacy of the system to meet the current and growing needs of the community. Wright-Pierce has presented a Water Master Plan with recommendations to modernize and upgrade the system, its infrastructure and operations. The Water Master Plan addresses Plymouth's capital needs and requirements through 2025 and delineates maintenance and demand related capital projects that are recommended as part of a comprehensive capital improvement program. It presents in excess of \$52,000,000 of capital projects to be scheduled and completed by 2025. These projects were prioritized into short-term priorities (2006 to 2010), intermediate term priorities (2011 to 2015) and long-term priorities (2016 and beyond).

In order to understand the financial impact of these projects on the utility's ratepayers, Financial Advisory Associates (FAA) was hired to conduct a rate study. The rate study shows the financial impact of the capital projects based on a proforma debt service schedule to fund the projects. The rate study also incorporates the impact of additional new use (consumption) based upon new residential, commercial and industrial users connecting to the system. The rate study includes the ten-year period of FY 2007 to FY 2016.

The rate study has forecasted the direct operating costs of the utility, the indirect costs, capital costs and debt service requirements for each year through FY 2016.

Direct, Indirect, Capital and Debt Service Costs

The water division's proposed FY 07 budget was taken as the baseline. Salaries and wages were increased in future years at a rate of 3%. O & M expenses were increased at a rate of 4%. Indirect costs were increased consistent with ongoing increases in health insurance, retirement, benefits and general insurance. Capital projects proposed in the Water Master Plan are assumed to be funded through debt to be issued one year after the budget approval for the respective annual capital projects. All proforma debt is based upon a 20-year term at four percent (4%) interest. The study also provides a proforma schedule for authorized and unissued water debt to be issued in FY 07 and assumes a 20-year term at 4%. The study provides for vehicle replacements throughout the ten-year period based on the department's capital plan. The forecasted costs of the water department are presented in Section II. and detailed assumptions are presented in *Appendix A* of this document. Section III. Presents the proforma debt consistent with the proposed CIP timetable.

Usage

The study reviewed and analyzed usage patterns in recent years in total and within the three usage blocks. The past year of usage by consumption block was reviewed and is the baseline for revenue calculations. Each year the usage is increased based upon the commercial and industrial growth that is forecasted in the Master Plan. Industrial growth over the twenty-year period of the Master Plan is assumed to be consistent on an annual basis and for the purposes of the ten years of the rate study is increased each year at 2,828 CCF representing on average 1.9 new industrial connections. Commercial growth over the twenty-year period of the Master Plan is assumed to be consistent on an annual basis and for the purposes of the ten years of the rate study is forecasted at 6,784 CCF representing 16 new commercial accounts per year.

With respect to residential growth, the rate study is somewhat more conservative than the growth rate in the Master Plan. For the next ten-year period the rate study increases residential usage by 125 new residences with an average of 2.67 persons per residence at an annual usage of 101.4 CCF for a total increase of 12,675 CCF per year. Section IV and *Appendix D* present the usage analysis.

Rate Requirements

The rate review shows that with the initiation of the Master Plan projects (and consequent debt service) commencing in FY 07 that the current rates will sustain the water department and the proposed capital improvement program until 2011. This is based upon use of current retained earnings and capital reserves to mitigate/prevent increases until 2011. Any variations in the timing or scheduling of projects would alter this finding.

Based upon a policy of maintaining a 2% fund balance in future years, the study shows the need for two rate adjustments between 2012 and 2016. One would be required for FY 12, FY 13 and FY 14 and the rates would increase again for FY 15 and FY 16.

The study presents two rate options for the FY 12 rate increase and for the FY 15 increase. Each is based on a policy decision of the degree of increase to the minimum rate. The study then shows the impact of the rate increases on the “average user” or a household that uses 120 CCF per year. In brief:

	<u>FY 12 to FY 14</u>	<u>FY 15 and FY16</u>
<u>Option I.</u>		
Minimal Increase		
In Block 1 Rate		
Block 1 (0 to 30CCF)	\$ 42.60 (Minimum)	\$46.50 (Minimum)
Block 2 (31 to 90 CCF)	\$ 2.20 per CCF	\$ 2.90 per CCF
Block 3 (91 Plus CCF)	\$ 3.45 per CCF	\$ 4.30 per CCF

FY 12 to FY 14

FY 15 and FY16

Option II.
Greater Increase
In Block 1 Rate

Block 1 (0 to 30CCF)	\$ 48.00 (Minimum)	\$ 57.00 (Minimum)
Block 2 (31 to 90 CCF)	\$ 2.30 per CCF	\$ 2.95 per CCF
Block 3 (91 Plus CCF)	\$ 3.20 per CCF	\$ 3.95 per CCF

Annual Impact of Increase

The adoption of “Option I” for FY 12 to FY 14 would require that the household/customer who used 120 CCF and pays \$175.20 per year today, would pay \$ 217.20 per year in FY 12. This represents an increase of 24% in their annual payment for water service. In FY 15 they would pay \$ 267; an additional increase of 22.9% per year.

Adoption of “Option II” for FY 12 to FY 14 would require that the household/customer who used 120 CCF and pays \$175.20 per year today, would pay \$234 in FY 12. This represents an increase of 33.6% in their annual payment for water service. In FY 15 they would pay \$ 291 per year; an additional increase of 24.4% per year. Section VI of this report shows the impact of the rate increases.

Comparison of Plymouth’s Rates and Annual Payments to Other Municipalities

Finally, the study in Section VII. presents a comparison of Plymouth’s current water rates to the rates of other communities in southeastern Massachusetts. It also includes a comparison of the average annual payments of a utility customer who uses 120 CCF in the various communities. Annual payments varied from \$175 for 120 CCF in Plymouth to \$664.68 for 120 CCF in Hingham. Plymouth’s water customers currently pay the lowest annual payment (\$175) of all communities surveyed.

The rate increases presented in this study are based on projected costs associated with the implementation of the capital improvement program as stated in *Appendices B and C*. If the CIP were to be accelerated the rates would require adjustment. Also, of note is the fact that the rate increases needed in 2011 and 2014 to recover the utility’s full costs will be lower (as measured in annual payment for 120 CCF) than one-half of the surveyed communities current annual payments.

**II. Utility Costs, Non Rate Revenue and Net Annual Revenue Requirements
through Fiscal 2016**

Category	Fiscal Year 2005	Fiscal Year 2006	Fiscal Year 2007	Fiscal Year 2008	Fiscal Year 2009	Fiscal Year 2010	Fiscal Year 2011	Fiscal Year 2012	Fiscal Year 2013	Fiscal Year 2014	Fiscal Year 2015	Fiscal Year 2016
EXPENDITURES:												
Operation & Maintenance												
Salaries & Wages	850,024	1,032,797	1,041,409	1,072,578	1,104,682	1,137,749	1,171,808	1,206,888	1,243,022	1,280,239	1,318,572	1,358,056
Contractual Services	538,738	518,032	620,032	644,833	670,627	697,452	725,350	754,364	784,538	815,920	848,557	882,499
Supplies & Materials	307,394	337,500	377,500	392,600	408,304	424,636	441,622	459,286	477,658	496,764	516,635	537,300
Fringe Benefits	382,507	373,237	410,169	452,497	499,485	551,664	609,625	674,030	745,616	825,207	913,721	1,012,185
Billing & Collections	68,473	67,895	69,524	71,193	72,902	74,651	76,443	78,278	80,156	82,080	84,050	86,067
Insurance Costs	47,282	48,250	55,611	59,784	64,532	69,940	76,105	83,140	91,177	100,363	110,871	122,898
Other Charges & Expenditures	21,490	21,000	23,000	23,920	24,877	25,872	26,907	27,983	29,102	30,266	31,477	32,736
Subtotal:	2,215,909	2,398,711	2,597,245	2,717,406	2,845,408	2,981,963	3,127,859	3,283,970	3,451,269	3,630,839	3,823,883	4,031,742
Capital Costs												
Capital Outlay - Non Debt Capital	538,500	144,500	96,000	155,000	70,000	120,000	40,000	27,500	115,000	80,000	40,000	40,000
Central Purchasing (Article 8)	17,575	33,915	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Principal & Interest (Current Debt Service)	604,430	486,230	463,533	401,579	383,229	204,022	198,323	196,677	59,021	45,013	49,777	49,001
Proforma Debt Service (Proposed CIP)	0	0	122,200	633,090	972,655	1,199,390	1,559,574	1,749,550	1,935,679	2,171,723	2,591,602	2,995,018
Proforma Debt Service (Auth/Unissued Debt)	0	0	22,850	101,683	99,398	97,113	94,828	92,543	90,258	87,973	85,688	83,403
Subtotal:	1,160,505	664,645	709,583	1,296,352	1,530,282	1,625,525	1,897,725	2,071,270	2,204,958	2,389,709	2,772,067	3,172,422
TOTAL WATER EXPENSE BUDGET:	3,376,413	3,063,356	3,306,828	4,013,758	4,375,690	4,607,488	5,025,584	5,355,240	5,656,227	6,020,548	6,595,950	7,204,164
REVENUES												
Non-Rate Revenue												
Tax Titles	38,394	1,301	1,301	1,301	1,301	1,301	1,301	1,301	1,301	1,301	1,301	1,301
Penalties & Interest	42,326	29,463	29,463	29,463	29,463	29,463	29,463	29,463	29,463	29,463	29,463	29,463
Utility Liens	16,422	2,157	2,243	2,333	2,426	2,523	2,624	2,729	2,838	2,952	3,070	3,193
Utility Service Charges	228,220	126,509	126,509	126,509	126,509	126,509	126,509	126,509	126,509	126,509	126,509	126,509
Licenses & Permits	71,837	71,837	71,837	71,837	71,837	71,837	71,837	71,837	71,837	71,837	71,837	71,837
Apportioned Assessments	32,585	92,351	40,000	40,000	40,000	38,938	37,669	36,356	0	0	0	0
Assessments Not Yet Due	4,801	4,801	4,801	4,801	4,801	4,801	4,801	4,801	4,801	4,801	4,801	4,801
Earnings on Investments	45,818	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Miscellaneous Revenue	12,804	12,800	12,800	12,800	12,800	12,800	12,800	12,800	12,800	12,800	12,800	12,800
Other Financing Sources/Free Cash	511,575	137,275	91,200	147,250	66,500	120,000	40,000	27,500	115,000	80,000	40,000	40,000
Transfers From General Fund	162,013	196,659	165,341	200,688	218,785	230,374	251,279	267,762	282,811	301,027	329,797	360,208
Subtotal:	1,166,796	700,152	570,495	661,981	599,421	663,545	603,282	606,057	672,360	655,689	644,577	675,111
Rate Revenue												
Utility User Charges	3,429,433	3,092,486	3,127,615	3,162,744	3,197,873	3,233,002	3,268,131	3,303,260	3,338,389	3,373,518	3,408,647	3,443,776
Subtotal:	3,429,433	3,092,486	3,127,615	3,162,744	3,197,873	3,233,002	3,268,131	3,303,260	3,338,389	3,373,518	3,408,647	3,443,776
TOTAL WATER REVENUE BUDGET:	4,596,229	3,792,638	3,698,110	3,824,725	3,797,294	3,896,547	3,871,413	3,909,317	4,010,749	4,029,207	4,053,224	4,118,887
Annual Projected Surplus/(Deficit)	1,219,816	729,282	391,282	(189,033)	(578,397)	(710,941)	(1,154,170)	(1,445,922)	(1,645,478)	(1,991,340)	(2,542,725)	(3,085,277)
Retained Earnings	1,238,512											
Capital Reserves (Art 8; 4/04 and 4/05 STMs)	602,577											
Total Available to Mitigate Rates	1,841,089											
Projected Year End Position (at Current Rates)		2,570,371	2,961,653	2,772,620	2,194,223	1,483,282	329,112	(1,116,810)	(2,762,288)	(4,753,629)	(7,296,354)	(10,381,632)

**III. Proforma Debt Service (FY 2007 to FY 2016)
for Projects identified in Wright Pierce's
Water Master Plan***

<i>Master Plan Category of Project:</i>	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Short term Priority Projects	\$122,200	\$633,090	\$972,655	\$1,199,390	\$1,559,574	\$1,699,050	\$1,658,754	\$1,618,458	\$1,578,162	\$1,537,866
Intermediate term Priority Projects	\$0	\$0	\$0	\$0	\$0	\$50,500	\$276,925	\$553,265	\$1,013,440	\$1,457,152
Long term Priority Proj. (No Payment until 201	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total "Master Plan" Proforma Debt Service	\$122,200	\$633,090	\$972,655	\$1,199,390	\$1,559,574	\$1,749,550	\$1,935,679	\$2,171,723	\$2,591,602	\$2,995,018
Authorized/Unissued Water Debt	\$1,142,500	\$1,085,375	\$1,028,250	\$971,125	\$914,000	\$856,875	\$799,750	\$742,625	\$685,500	\$628,375
Bradford Well (only \$350,000 of Auth.)										
No. Plymouth Well \$ 72,500										
Generator/Aux. Power \$720,000										
Authorized/Unissued Debt Service										
Principal		\$57,125	\$57,125	\$57,125	\$57,125	\$57,125	\$57,125	\$57,125	\$57,125	\$57,125
Interest	\$22,850	\$44,558	\$42,273	\$39,988	\$37,703	\$35,418	\$33,133	\$30,848	\$28,563	\$26,278
Total "Auth./Unissued" Proforma Debt Servic	\$22,850	\$101,683	\$99,398	\$97,113	\$94,828	\$92,543	\$90,258	\$87,973	\$85,688	\$83,403
Master Plan and Auth./Unissued Debt Service	\$145,050	\$734,773	\$1,072,053	\$1,296,503	\$1,654,402	\$1,842,093	\$2,025,937	\$2,259,696	\$2,677,290	\$3,078,421

* Note: See Appendices B and C for detail of all projects in Master Plan and for annual debt service by category of project

IV. Usage Analysis

In addition to determining and identifying the full costs, other revenues and the net revenue requirements of the water utility, the annual billed consumption/usage must be known before a rate can be calculated.

The town's water division staff read meters on a semi annual basis such that every user receives a bill for actual usage twice a year. The consumption per metered account is read and downloaded into the DataNational utility billing software. This software program produces the water bills and provides reports of total consumption data per account and annual consumption by discrete block increments, which also indicates the number of accounts by block of usage.

The town bills its water customers based upon an ascending block (three-block) structure in order to promote conservation, which is also, a goal of the state environmental agencies.

	<u>Usage</u>	<u>Rate</u>
Block 1	0-30 CCF	\$1.33 (\$39.90 Minimum)
Block 2	31-90 CCF	\$1.59
Block 3	90 Plus CCF	\$1.89

It is important to note that water utility customers pay a minimum regardless of usage of \$ 39.90 per 6-month billing period.

We have reviewed the billing system reports of usage and usage patterns by block. *Appendix D* presents information on block usage and a summary of:

- Usage by Block
- Percentage of Usage within each Block
- Number of Customer Accounts ending in each Block
- Percentage of Customer Accounts within each Block

Additional water consumption/use is forecasted each year. We have based new annual commercial usage on the Master Plan's forecasted commercial use in 2025 and have assumed a linear/equal rate of growth in terms of use for each of the ten years of the rate study. This represents an annual increase of 6,784 CCF for on average a growth rate of 16 new commercial accounts per year. We have based new annual industrial usage on the Master Plan's forecasted industrial use in 2025 and have assumed a linear/equal rate of growth in terms of use for each of the ten years of the rate study. This represents an annual increase of 2,828 CCF for on average a growth rate of 1.9 new industrial accounts. With respect to residential growth, the rate study is somewhat more conservative than the growth rate in the Master Plan. For the next ten-year period the rate study increases residential usage by 125 new residences with an average of 2.67 persons per residence at an annual usage of 101.4 CCF for a total increase of 12,675 CCF per year.

All projected new annual usage has been allocated to the appropriate block and added to the past 12 months of baseline usage by block. The Forecasted Water Use for the period of this study is presented in *Appendix D*.

V. Rate Options and Utility's Projected Financial Position

As presented in Section II based upon continuation of today's rates and rate structure the utility will maintain a positive fund balance until FY 2011. This also assumes that each year the town uses retained earnings/reserves to fund the utility and the growing capital needs (debt service). Our analysis indicates that the town would have to increase rates for FY 2012 and again in FY 2015.

We have presented two options for the future rates. Each retains the town's current three-block rate structure with a minimum bill. Option I. Provides for a modest increase in the minimum with more of the burden of the increase within Block 2 and Block 3. Option II. Provides for more of an increase in the minimum.

The current rates, Option I and Option II are presented on the following page. Each option also shows the projected financial position of the water utility based upon the revised rates.

Rate Options and Projected Financial Position

	Fiscal Year 2006	Fiscal Year 2007	Fiscal Year 2008	Fiscal Year 2009	Fiscal Year 2010	Fiscal Year 2011	Fiscal Year 2012	Fiscal Year 2013	Fiscal Year 2014	Fiscal Year 2015	Fiscal Year 2016
Projected Year End Financial											
Position with use of Fund Balance:											
A. Current Rates:											
Projected Expenditures	3,063,356	3,306,828	4,013,758	4,375,690	4,607,488	5,025,584	5,355,240	5,656,227	6,020,548	6,595,950	7,204,164
Projected Revenues	3,792,638	3,698,110	3,824,725	3,797,294	3,896,547	3,871,413	3,909,317	4,010,749	4,029,207	4,053,324	4,118,887
Projected Annual Surplus/Deficit	729,282	391,282	(189,033)	(578,397)	(710,941)	(1,154,170)	(1,445,923)	(1,645,478)	(1,991,341)	(2,542,626)	(3,085,277)
Use of Fund Balance											
Retained Earnings											
Capital Reserves (Art 8; 4/04 and 4/05 STMs)											
Total Available to Mitigate Rates											
Projected Year End Position	\$ 2,570,371	\$ 2,961,653	\$ 2,772,620	\$ 2,194,223	\$ 1,483,282	\$ 329,112	\$ (1,116,811)	\$ (2,762,289)	\$ (4,753,629)	\$ (7,296,255)	\$ (10,381,532)
B. Option I. Rates											
Projected Expenditures	3,063,356	3,306,828	4,013,758	4,375,690	4,607,488	5,025,584	5,355,240	5,656,227	6,020,548	6,595,950	7,204,164
Projected Revenues	3,792,638	3,698,110	3,824,725	3,797,294	3,896,547	3,871,413	4,607,488	5,025,584	5,355,240	5,656,227	6,020,548
Projected Annual Surplus/Deficit	729,282	391,282	(189,033)	(578,397)	(710,941)	(1,154,170)	(747,751)	(630,643)	(665,308)	(939,723)	(1,183,617)
Use of Fund Balance											
Retained Earnings											
Capital Reserves (Art 8; 4/04 and 4/05 STMs)											
Total Available to Mitigate Rates											
Projected Year End Position	\$ 2,570,371	2,961,653	2,772,620	2,194,223	1,483,282	329,112	505,313	497,196	158,455	408,273	142,454
C. Option II. Rates											
Projected Expenditures	3,063,356	3,306,828	4,013,758	4,375,690	4,607,488	5,025,584	5,355,240	5,656,227	6,020,548	6,595,950	7,204,164
Projected Revenues	3,792,638	3,698,110	3,824,725	3,797,294	3,896,547	3,871,413	5,507,990	5,625,335	5,659,706	6,864,078	6,957,783
Projected Annual Surplus/Deficit	729,282	391,282	(189,033)	(578,397)	(710,941)	(1,154,170)	152,750	(30,892)	(360,842)	268,128	(246,381)
Use of Fund Balance											
Retained Earnings											
Capital Reserves (Art 8; 4/04 and 4/05 STMs)											
Total Available to Mitigate Rates											
Projected Year End Position	\$ 2,570,371	\$ 2,961,653	\$ 2,772,620	\$ 2,194,223	\$ 1,483,282	\$ 329,112	\$ 481,862	\$ 450,970	\$ 90,129	\$ 358,257	\$ 111,876

VI. Impact Analysis - Water Rate Increase

Annual Payments based on Average Annual Residential Use of 120 CCF per year

		<u>Average Annual Payment</u>	<u>Increase</u>		<u>Average Annual Payment</u>	<u>Increase*</u>
Today		\$ 175.20				
0 to 30 CCF	\$ 39.9 Minimum					
31 to 90 CCF	\$1.59					
90 Plus CCF	\$1.89					
 <i>OPTION I.</i>						
Increased Rates FY 12 to FY 14				Increased Rates FY 15/FY 16		
<i>Minimal Increase in Block 1</i>				<i>Minimal Increase in Block 1</i>		
0 to 30 CCF	\$42.6 Minimum	\$ 217.20	24.0%	0 to 30 CCF	\$46.5 Minimum	\$ 267.00
31 to 90 CCF	\$2.20			31 to 90 CCF	\$2.90	22.9%
90 Plus CCF	\$3.45			90 Plus CCF	\$4.30	
 <i>OPTION II.</i>						
Increased Rates FY 12 to FY 14				Increased Rates FY 15/FY 16		
<i>Greater Increase in Block 1</i>				<i>Greater Increase in Block 1</i>		
0 to 30 CCF	\$48 Minimum	\$ 234.00	33.6%	0 to 30 CCF	\$57 Minimum	\$ 291.00
31 to 90 CCF	\$2.30			31 to 90 CCF	\$2.95	24.4%
90 Plus CCF	\$3.20			90 Plus CCF	\$3.95	

* Increase over FY 13/FY 14 Annual Payment

**VII. Comparison of Water Rates and Rate Structures
and Comparison of Annual Payments based on Annual Use of 120 CCF**

Municipality	Minimum	Flat or Service Charge	Rates	Frequency of Billing	Annual Payment
PLYMOUTH	Minimum of \$39.9 (30 CCF)		\$1.33 per CCF 0 to 30 CCF \$1.59 per CCF 31 to 90 CCF \$1.89 per CCF 91 Plus CCF	Semiannual	\$175
ABINGTON		\$10.00 per Quarter and \$2.00 Meter Program Charge Per Quarter	\$2.50 per CCF	Quarterly	\$348
BOURNE Water District	Minimum of \$24		\$2.25 per 1000 gallons	Semiannual	\$198
BRAINTREE		\$11.25 per Quarter	\$ 1.08 per CCF 0 to 5 CCF \$ 1.56 per CCF 6 to 35 CCF \$ 2.73 per CCF 36 - 200 CCF \$3.71 per CCF 201 Plus CCF	Quarterly	\$222.60
CANTON			\$ 2.26 per CCF 0 to 15 CCF \$ 3.52 per CCF 16 to 40 CCF \$ 6.36 per CCF 41 -60 CCF \$7.38 per CCF 60 Plus	Quarterly	\$346.80
DUXBURY	Minimum of \$32.72 Senior Citizen Min. of \$16.36		\$4.37 per 1000 gallons 0 to 60,000 gallons \$5.80 per 1000 gallons 60,001 to 120,000 gallons \$7.16 per 1000 gallons 120,001 gallons plus	Semiannual	\$458.74
EASTON		<i>Quarterly Service Charge</i> 5/8" meter \$13.65 3/4" meter \$14.72 1" meter \$17.94 1.25" meter \$20.09 1.5" \$22.24 2" meter \$34.06 3" meter \$121.11	\$3.19 per 1000 gallons 0 to 25,000 gallons \$3.87 per 1000 gallons 25,001 to 100,000 gallons \$4.86 per 1000 gallons 100,001 gallons plus	Quarterly	\$345.98
FAIRHAVEN			\$2.30 per CCF	Residential: Semi Annual	\$276

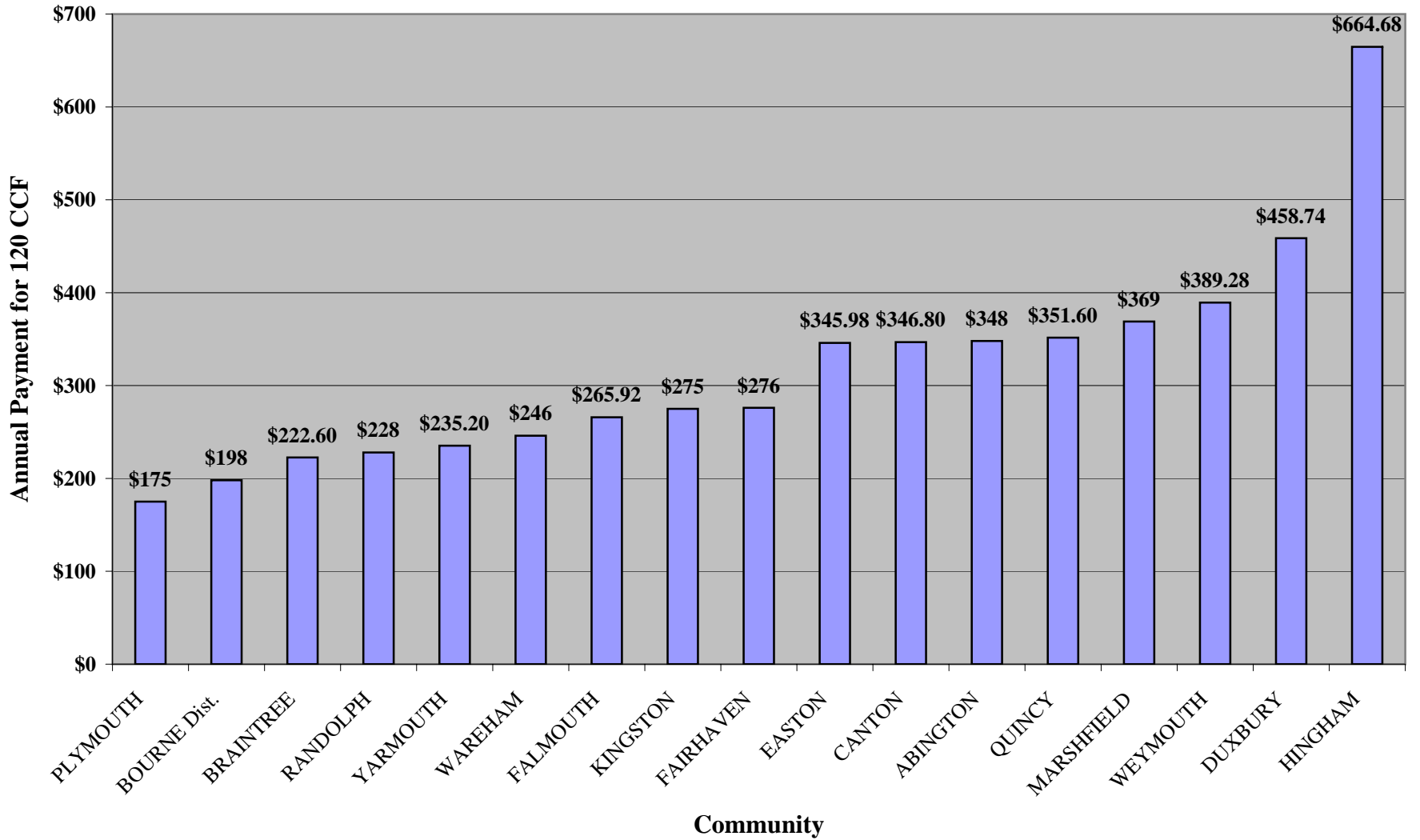
**VII. Comparison of Water Rates and Rate Structures
and Comparison of Annual Payments based on Annual Use of 120 CCF**

Municipality	Minimum	Flat or Service Charge	Rates	Frequency of Billing	Annual Payment
				Quarterly: Commercial	
FALMOUTH	5/8" meter \$40 (Semi annual) 3/4" meter \$48 (Semi annual) 1" meter \$76 (Semi annual) 1.5" meter \$67 (Quarterly) 2" meter \$95 (Quarterly)		\$2.36 per CCF above 40 CCF \$2.36 per CCF above 48 CCF \$2.36 per CCF above 76 CCF \$2.36 per CCF above 124 CCF \$2.36 per CCF above 176 CCF	Semiannual for Meter Sizes of 1 inch and less Quarterly for Meter Sizes above 1 inch	\$265.92
HINGHAM		\$55.83 per Quarter	\$2.085 per CCF Charge for Water Trtmt. Facility Lease \$.845/CCF Charge for Water Trtmt. O & M \$.748/CCF	Quarterly	\$664.68
KINGSTON		<i>Service Charge</i> \$15 per Quarter	\$2.00 per 1000 gallons 0 to 10,000 gallons \$2.50 per 1000 gallons 10,001 to 20,000 gallons \$ 3.5 per 1000 gallons 20,001 to 37,500 gallons \$ 5.12 per 1000 gallons 37,500 gallons plus	Quarterly	\$275
MARSHFIELD		<i>Yearly Base Rate</i> 5/8" meter \$56 per year 3/4" meter \$84 per year 1" \$140 per year 1 & 1/4 \$212.8 per year 1.5" meter \$280 per year	\$1.50 per 1,000 gallons 0 to 15,000 gallons \$4.00 per 1000 gallons 15,001 to 50,000 gallons \$ 5.5 per 1000 gallons 50 gallons plus	Semi annual	\$369
QUINCY			\$2.93 per CCF	Residential: Quarterly Commercial: Monthly	\$351.60
RANDOLPH	\$5.00		\$1.90 per CCF	Semi-Annual	\$228
WAREHAM	\$75 (4000 cubic ft)		\$1.875 0-40 CCF \$2.40 41 Plus CCF	Semiannual	\$246

**VII. Comparison of Water Rates and Rate Structures
and Comparison of Annual Payments based on Annual Use of 120 CCF**

Municipality	Minimum	Flat or Service Charge	Rates	Frequency of Billing	Annual Payment
WEYMOUTH		<i>Quarterly Service Charge</i> 5/8" meter \$8.01 1" meter \$10.07 1.5" \$12.12 2" meter \$17.77 3" meter \$59.35	\$2.79 per CCF 0-27 CCF \$4.66 per CCF 27 CCF Plus	Residential: Quarterly Commercial: Monthly	\$389.28
YARMOUTH			\$1.68 per 1000 gallons 0 to 100,000 gallons \$2.22 per 1000 gallons 100,001 to 300,000 gallons \$ 2.60 per 1000 gallons 300,001 gallons plus	Quarterly fee of \$21 Usage is billed once a year	\$235.20

Annual Water Payment Comparison



Appendices

- A. Detailed Schedule of Costs and Non-User Fee Revenue
- B. Capital Projects Per Master Plan
- C. Proforma Debt Service for Future Capital Projects
- D. Forecasted Water Use

**Appendix A. Detailed Schedule of Costs, Non Rate Revenue
and Net Annual Revenue Requirements**

Category	Fiscal Year 2005	Fiscal Year 2006	Fiscal Year 2007	Fiscal Year 2008	Fiscal Year 2009	Fiscal Year 2010	Fiscal Year 2011	Fiscal Year 2012	Fiscal Year 2013	Fiscal Year 2014	Fiscal Year 2015	Fiscal Year 2016
EXPENSES												
Operation & Maintenance												
Salaries & Wages	721,788	915,347	928,059	955,901	984,578	1,014,115	1,044,539	1,075,875	1,108,151	1,141,396	1,175,638	1,210,907
Overtime	112,895	95,000	95,000	97,850	100,786	103,809	106,923	110,131	113,435	116,838	120,343	123,953
Longevity	1,600	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450
Attendance Bonus	750	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Police Details	12,991	20,000	15,900	16,377	16,868	17,374	17,896	18,432	18,985	19,555	20,142	20,746
Utilities	286,730	330,000	370,000									
Vehicles	21,623	12,500	20,000									
Pump Stations	133,215	75,000	120,000									
Water Testing	44,014	45,000	52,500									
Payroll Services	3,700	3,737	3,737									
Technical Services	25,125	15,000	15,000									
Audit Services	4,375	4,545	4,545									
Printing	859	5,750	5,750									
Telephones	6,763	12,500	8,500									
Advertising	3,284	4,000	4,000									
Postage	9,050	10,000	16,000									
Contractual Services	538,738	518,032	620,032	644,833	670,627	697,452	725,350	754,364	784,538	815,920	848,557	882,499
Tools	4,998	7,500	7,500									
Gas & Oil	34,379	22,500	40,000									
Road Maintenance	41,189	55,000	55,000									
Chemical Supplies	103,887	110,000	125,000									
Meter Supplies	74,643	80,000	80,000									
Distribution Supplies	46,798	50,000	50,000									
Water Conservation	1,500	12,500	20,000									
Supplies & Materials	307,394	337,500	377,500	392,600	408,304	424,636	441,622	459,286	477,658	496,764	516,635	537,300
Meetings & Education	3,726	5,000	5,250									
Memberships	1,383	1,500	2,000									
SDWA Assessment	16,381	14,500	15,750									
Other Charges & Expenditures	21,490	21,000	23,000	23,920	24,877	25,872	26,907	27,983	29,102	30,266	31,477	32,736
New Equipment	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal:	1,717,646	1,909,329	2,061,941	2,133,931	2,208,489	2,285,708	2,365,686	2,448,522	2,534,320	2,623,189	2,715,241	2,810,591
Employee Benefits/Indirect Costs												
Employee Benefits (Workmen's Comp. & Med.)	51,719	62,000	67,800									
Deferred Compensation	2,627	3,250	7,250									
Member Benefits	54,346	65,250	75,050	82,555	90,811	99,892	109,881	120,869	132,956	146,251	160,876	176,964
Health Insurance Costs	210,000	234,643	258,107	289,080	323,770	362,622	406,137	454,873	509,458	570,593	639,064	715,752
Social Security Costs	0	0	0	0	0	0	0	0	0	0	0	0
Pension Costs	118,161	73,344	77,011	80,862	84,905	89,150	93,608	98,288	103,202	108,362	113,781	119,470
Finance Dept Personal Services Costs	60,231	57,605	58,988	60,403	61,853	63,337	64,857	66,414	68,008	69,640	71,312	73,023
Finance Dept Other Charges Costs	8,242	10,290	10,537	10,790	11,049	11,314	11,586	11,864	12,148	12,440	12,738	13,044
Central Purchasing	17,575	33,915	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Selectmen Legal Services Costs	27,282	25,250	30,311	30,689	31,073	31,462	31,855	32,253	32,656	33,064	33,478	33,896
Town Insurance Costs	20,000	23,000	25,300	29,095	33,459	38,478	44,250	50,887	58,520	67,299	77,393	89,002
Subtotal:	515,837	523,297	540,304	588,474	641,919	701,255	767,173	840,448	921,949	1,012,650	1,113,642	1,226,151
Capital Items												
Items In Excess Of \$15,000 (Vehicles)	538,500	144,500	96,000	155,000	70,000	120,000	40,000	27,500	115,000	80,000	40,000	40,000
Subtotal:	538,500	144,500	96,000	155,000	70,000	120,000	40,000	27,500	115,000	80,000	40,000	40,000
Debt Service												
Bond Issuance Costs		2,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Principal & Interest (Current Debt Service)	604,430	486,230	463,533	401,579	383,229	204,022	198,323	196,677	59,021	45,013	49,777	49,001
Proforma Debt Service (Master Plan CIP)			122,200	633,090	972,655	1,199,390	1,559,574	1,749,550	1,935,679	2,171,723	2,591,602	2,995,018
Proforma Debt Service (Authorized Unissued Debt)			22,850	101,683	99,398	97,113	94,828	92,543	90,258	87,973	85,688	83,403
Subtotal:	604,430	486,230	608,583	1,136,352	1,455,282	1,500,525	1,852,725	2,038,770	2,084,958	2,304,709	2,727,067	3,127,422
TOTAL WATER EXPENSE BUDGET:	3,376,413	3,063,356	3,306,828	4,013,758	4,375,690	4,607,488	5,025,584	5,355,240	5,656,227	6,020,548	6,595,950	7,204,164

**Appendix A. Detailed Schedule of Costs, Non Rate Revenue
and Net Annual Revenue Requirements**

Category	Fiscal Year 2005	Fiscal Year 2006	Fiscal Year 2007	Fiscal Year 2008	Fiscal Year 2009	Fiscal Year 2010	Fiscal Year 2011	Fiscal Year 2012	Fiscal Year 2013	Fiscal Year 2014	Fiscal Year 2015	Fiscal Year 2016
REVENUES												
Non-Rate Revenue												
Tax Titles	38,394	1,301	1,301	1,301	1,301	1,301	1,301	1,301	1,301	1,301	1,301	1,301
Penalties & Interest	42,326	29,463	29,463	29,463	29,463	29,463	29,463	29,463	29,463	29,463	29,463	29,463
Utility Liens	16,422	2,157	2,243	2,333	2,426	2,523	2,624	2,729	2,838	2,952	3,070	3,193
Utility Service Charges	228,220	126,509	126,509	126,509	126,509	126,509	126,509	126,509	126,509	126,509	126,509	126,509
Fees/Licenses & Permits	71,837	71,837	71,837	71,837	71,837	71,837	71,837	71,837	71,837	71,837	71,837	71,837
Apportioned Assessments	32,585	92,351	40,000	40,000	40,000	38,938	37,669	36,356	0	0	0	0
Assessments Not Yet Due	4,801	4,801	4,801	4,801	4,801	4,801	4,801	4,801	4,801	4,801	4,801	4,801
Earnings on Investments	45,818	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Miscellaneous Revenue	12,804	12,800	12,800	12,800	12,800	12,800	12,800	12,800	12,800	12,800	12,800	12,800
Other Financing Sources/Free Cash	511,575	137,275	91,200	147,250	66,500	120,000	40,000	27,500	115,000	80,000	40,000	40,000
Transfers From General Fund	162,013	196,659	165,341	200,688	218,785	230,374	251,279	267,762	282,811	301,027	329,797	360,208
Subtotal:	1,166,796	700,152	570,495	661,981	599,421	663,545	603,282	606,057	672,360	655,689	644,577	675,111
Rate Revenue												
Utility User Charges	3,429,433	3,092,486	3,127,615	3,162,744	3,197,873	3,233,002	3,268,131	3,303,260	3,338,389	3,373,518	3,408,647	3,443,776
Subtotal:	3,429,433	3,092,486	3,127,615	3,162,744	3,197,873	3,233,002	3,268,131	3,303,260	3,338,389	3,373,518	3,408,647	3,443,776
TOTAL WATER REVENUE BUDGET:	4,596,229	3,792,638	3,698,110	3,824,725	3,797,294	3,896,547	3,871,413	3,909,317	4,010,749	4,029,207	4,053,224	4,118,887
Current Year Position		729,282	391,282	(189,033)	(578,397)	(710,941)	(1,154,170)	(1,445,922)	(1,645,478)	(1,991,340)	(2,542,725)	(3,085,277)
Retained Earnings	1,238,512											
Capital Reserves (Art 8; 4/04 and 4/05 STMs)	602,577											
Total Available to Mitigate Rates	1,841,089											
Projected Year End Position		2,570,371	2,961,653	2,772,620	2,194,223	1,483,282	329,112	(1,116,810)	(2,762,288)	(4,753,629)	(7,296,354)	(10,381,632)

Assumptions for Forecast -- FY 06 to FY 16

EXPENDITURES:

Assumptions Proforma Debt Service for Wright Pierce Water Master Plan

- 1 Each year listed in Wright Pierce is calendar year, debt issuance is next fiscal year *
- 2 Every annual project cost/authorization is assumed as an annual debt issue/bond (in next FY)
- 3 Debt repayment term for each issue is 20 years
- 4 Interest rate is 4%
- 5 Unscheduled Projects listed in "Long Term" - Table 9-3 are not in proforma debt schedule
- 6 Vehicles are in separate section, this is intended to reconcile capital projects listed in W/P's Master Plan CIP

* Note: Calendar Year 2005 projects are shown as FY 07 Debt Service (so 2 fiscal years later)

Assumptions Proforma Debt Service for Authorized Unissued Debt

- 1 To be Issued in Summer 2006
- 2 Debt repayment term is 20 years
- 3 Interest rate is 4%

Current Debt Service

- 1 From Treasurer's Debt Schedules

Other Capital

Vehicles are taken from Water Dept's CIP Listing, beyond 2014 model provides for \$40,000

Expenditures

Direct Costs:

Salaries & Wages	3.00%
Longevity	0.00%
Attendance Bonus	0.00%
Police Details	3.00%
Contractual Services	4.00%
Supplies & Materials	4.00%
Other Charges & Expenditures	4.00%

Indirect Costs:

Life Insurance Costs	10.00%
Health Insurance Costs	12.00%
Social Security Costs	2.00%
Pension Costs	5.00%
Finance Department Personal Services Costs	2.40%
Finance Department Other Charges Costs	2.40%
Central Purchasing	0.00%
DPW Administration Personal Services Costs	0.00%
DPW Administration Other Charges Costs	0.00%
DPW Maintenance Other Charges Costs	0.00%
Selectmen Legal Services Costs	1.25%
Town Insurance Costs	15.00%

Capital (Vehicles)

Capital/Vehicles/Items In Excess Of \$15,000 Per Supts Schedule thru 2014, then \$40000 per year

Appendix B. Capital Projects per Master Plan
By Priority, Projected Approval Year and Debt Issue Year

Project	Budget	Type	Priority	Planned Budget Approval Year	Planned Debt Issue (FY)
Replace Wannos Well	\$1,148,000	Maintenance	Short term	2006	2007
Replace and Activate Lout Pond Well	\$1,350,000	Maintenance	Short term	2006	2007
Replace Bradford Well	\$185,000	Maintenance	Short term	2005	2007
Renegotiate Darby Pond Limits	\$10,000	Maintenance	Short term	2005	2007
Construct Redundant Well at Savery Pond	\$300,000	Maintenance	Short term	2010	2011
Test Well Program for Tier I Sites (Sites 3, 10, 12, 13, 14, 15, 17, 20, 2	\$600,000	Demand	Short term	2006	2007
Zone I Land Purchase for 3 Highest Randed Tier 1 Sites	\$1,800,000	Demand	Short term	2007	2008
Permit 3 Highest Rank Tier I Sites	\$1,350,000	Demand	Short term	2006-2010	
Well Cleaning:					
Savery Pond	\$15,000	Maintenance	Short term	2010	2011
Ship Pond	\$15,000	Maintenance	Short term	2006	2007
Ellsville	\$15,000	Maintenance	Short term	2006	2007
South Pond 1 and 2	\$30,000	Maintenance	Short term	2006	2007
Federal Furnace	\$15,000	Maintenance	Short term	2007	2008
North Plymouth	\$15,000	Maintenance	Short term	2007	2008
Darby Pond	\$15,000	Maintenance	Short term	2007	2008
Replace Jacketed, Vinyl Lined AC and Aged/Inferior Mains	\$990,000	Maintenance	Short term	2006	2007
Replace Jacketed, Vinyl Lined AC and Aged/Inferior Mains	\$990,000	Maintenance	Short term	2007	2008
Replace Jacketed, Vinyl Lined AC and Aged/Inferior Mains	\$990,000	Maintenance	Short term	2008	2009
Replace Jacketed, Vinyl Lined AC and Aged/Inferior Mains	\$990,000	Maintenance	Short term	2009	2010
Replace Jacketed, Vinyl Lined AC and Aged/Inferior Mains	\$990,000	Maintenance	Short term	2010	2011
Water Main Upgrades/Replacements:					
Cherry State and New PRV	\$1,045,000	Maintenance	Short term	2007	2008
Hedge Road	\$290,000	Maintenance	Short term	2007	2008
Long Pond Road from Cooks Pond to Camelot	\$300,000	Maintenance	Short term	2008	2009
Stafford and Towns Streets	\$425,000	Maintenance	Short term	2008	2009
South Meadow to Federal Furnace through Airport	\$2,150,000	Maintenance	Short term	2009	2010
Flint Locke, Candle Light and Pinehurst Drives, Deer Lane	\$960,000	Maintenance	Short term	2010	2011
Storage Projects:					
Recoat Stafford Street Standpipe	\$670,000	Maintenance	Short term	2009	2010
Repair/Improvements to South Pine Hills Tank	\$75,000	Maintenance	Short term	2008	2009

Appendix B. Capital Projects per Master Plan
By Priority, Projected Approval Year and Debt Issue Year

Project	Budget	Type	Priority	Planned Budget Approval Year	Planned Debt Issue (FY)
Replace Pine Hills Tank	\$776,000	Maintenance	Short term	2009	2010
Recoat/Improvements to Harrington Street Standpipe	\$712,000	Maintenance	Short term	2006	2007
Recoat/Improvements to Samoset Street Standpipe	\$297,000	Maintenance	Short term	2010	2011
Recoat No Plymouth Tank	\$75,000	Maintenance	Short term	2008	2009
Auxiliary Power Systems	\$720,000	Maintenance	Short term	2005	2007
PRV Inspections	\$10,000	Maintenance	Short term	2005	2007
Radio Communications Study	\$5,000	Maintenance	Short term	2005	2007
Water Audit	\$50,000	Maintenance	Short term	2006	2007
System Wide Leak Detection	\$50,000	Maintenance	Short term	2008	2009
Chemical Feed Deliv Improvements at Ship Well Pond	\$25,000	Maintenance	Short term	2007	2008
<i>Design and Construct Facilities for Tier I Sites</i>					
Assume Site 3 - Micajah Pond Road	\$1,485,000	Demand	Intermediate term	2011	2012
Assume Site 13 - Forges Field	\$1,620,000	Demand	Intermediate term	2012	2013
Assume Site 20 - Great Island Pond	\$3,308,000	Demand	Intermediate term	2014	2015
De-rate Darby Pond Pump	\$50,000	Maintenance	Intermediate term	2011	2012
Replace Jacketed, Vinyl Lined AC and Aged/Inferior Mains	\$990,000	Maintenance	Intermediate term	2011	2012
Replace Jacketed, Vinyl Lined AC and Aged/Inferior Mains	\$990,000	Maintenance	Intermediate term	2012	2013
Replace Jacketed, Vinyl Lined AC and Aged/Inferior Mains	\$990,000	Maintenance	Intermediate term	2013	2014
Replace Jacketed, Vinyl Lined AC and Aged/Inferior Mains	\$990,000	Maintenance	Intermediate term	2014	2015
Replace Jacketed, Vinyl Lined AC and Aged/Inferior Mains	\$990,000	Maintenance	Intermediate term	2015	2016
<i>Water Main Upgrades/Replacements</i>					
State Road-South Pine Hills Tank to Reed Road	\$4,075,000	Maintenance	Intermediate term	2013	2014
Shore and Hillside Drive, Indian Hill Road and State Road	\$1,750,000	Maintenance	Intermediate term	2014	2015
<i>Storage:</i>					
1.45 MG of Storage in Manomet	\$1,350,000	Demand	Intermediate term	2015	2016
Replace Jacketed, Vinyl Lined AC and Aged/Inferior Mains	\$999,000	Maintenance	Long term	2016	2017
Replace Jacketed, Vinyl Lined AC and Aged/Inferior Mains	\$990,000	Maintenance	Long term	2017	2018
<i>Water Main Upgrades/Replacements</i>					
Long Pond Road - Bradford Boundary to Forges Field	\$2,875,000	Demand	Long term	Unscheduled	Not Included

Appendix B. Capital Projects per Master Plan
By Priority, Projected Approval Year and Debt Issue Year

Project	Budget	Type	Priority	Planned Budget Approval Year	Planned Debt Issue (FY)
Savery Pond to Long Pond to State Road	\$4,400,000	Demand & Maint.	Long term	Unscheduled	Not Included
Long Pond from Savery Pond to Forges Field	\$5,100,000	Demand	Long term	Unscheduled	Not Included
<i>Storage</i>					
Recoat Cedarville Tank	\$490,000	Maintenance	Long term	2017	2018
Recoat Indian Hill Tank	\$295,000	Maintenance	Long term	2018	2019
Raise and Recoat Lout PondTank	\$655,000	Maintenance	Long term	2019	2020
Raise and Recoat Chaltonville Standpipe	\$778,000	Maintenance	Long term	2019	2020
Upgrade South Pond Pumps	\$203,000	Maintenance	Long term	2019	2020
Tank SCADA and Monitoring	\$100,000	Maintenance	Long term	Unscheduled	Not Included
Systemwide Leak Detection	\$50,000	Maintenance	Long term	2018	2019

**Appendix C. Proforma Debt Service
for Projects identified in Master Plan**

By Annual Debt Issuance (20 year debt @ 4%)

	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
<u>Short term Priority Projects per Master Plan</u>										
	FY 07									
	Total Issue									
FY 07 Issue	\$6,110,000	\$5,804,500	\$5,499,000	\$5,193,500	\$4,888,000	\$4,582,500	\$4,277,000	\$3,971,500	\$3,666,000	\$3,360,500
Principal		\$305,500	\$305,500	\$305,500	\$305,500	\$305,500	\$305,500	\$305,500	\$305,500	\$305,500
Interest	\$122,200	\$238,290	\$226,070	\$213,850	\$201,630	\$189,410	\$177,190	\$164,970	\$152,750	\$140,530
Subtotal	\$122,200	\$543,790	\$531,570	\$519,350	\$507,130	\$494,910	\$482,690	\$470,470	\$458,250	\$446,030
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FY 08 Issue		\$4,465,000	\$4,241,750	\$4,018,500	\$3,795,250	\$3,572,000	\$3,348,750	\$3,125,500	\$2,902,250	\$2,679,000
Principal			\$223,250	\$223,250	\$223,250	\$223,250	\$223,250	\$223,250	\$223,250	\$223,250
Interest		\$89,300	\$174,135	\$165,205	\$156,275	\$147,345	\$138,415	\$129,485	\$120,555	\$111,625
Subtotal		\$89,300	\$397,385	\$388,455	\$379,525	\$370,595	\$361,665	\$352,735	\$343,805	\$334,875
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FY 09 Issue			\$2,185,000	\$2,075,750	\$1,966,500	\$1,857,250	\$1,748,000	\$1,638,750	\$1,529,500	\$1,420,250
Principal				\$109,250	\$109,250	\$109,250	\$109,250	\$109,250	\$109,250	\$109,250
Interest			\$43,700	\$85,215	\$80,845	\$76,475	\$72,105	\$67,735	\$63,365	\$58,995
Subtotal			\$43,700	\$194,465	\$190,095	\$185,725	\$181,355	\$176,985	\$172,615	\$168,245
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FY 10 Issue				\$4,856,000	\$4,613,200	\$4,370,400	\$4,127,600	\$3,884,800	\$3,642,000	\$3,399,200
Principal					\$242,800	\$242,800	\$242,800	\$242,800	\$242,800	\$242,800
Interest				\$97,120	\$189,384	\$179,672	\$169,960	\$160,248	\$150,536	\$140,824
Subtotal				\$97,120	\$432,184	\$422,472	\$412,760	\$403,048	\$393,336	\$383,624
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FY 11 Issue					\$2,532,000	\$2,405,400	\$2,278,800	\$2,152,200	\$2,025,600	\$1,899,000
Principal						\$126,600	\$126,600	\$126,600	\$126,600	\$126,600
Interest					\$50,640	\$98,748	\$93,684	\$88,620	\$83,556	\$78,492
Subtotal					\$50,640	\$225,348	\$220,284	\$215,220	\$210,156	\$205,092
<hr/>										
"Short Term Priority" Debt Service	\$122,200	\$633,090	\$972,655	\$1,199,390	\$1,559,574	\$1,699,050	\$1,658,754	\$1,618,458	\$1,578,162	\$1,537,866
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Intermediate term Priority Projects per Master Plan

FY 12 Issue						\$2,525,000	\$2,398,750	\$2,272,500	\$2,146,250	\$2,020,000
Principal							\$126,250	\$126,250	\$126,250	\$126,250
Interest						\$50,500	\$98,475	\$93,425	\$88,375	\$83,325

**Appendix C. Proforma Debt Service
for Projects identified in Master Plan**

By Annual Debt Issuance (20 year debt @ 4%)

	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Subtotal						\$50,500	\$224,725	\$219,675	\$214,625	\$209,575
FY 13 Issue							\$2,610,000	\$2,479,500	\$2,349,000	\$2,218,500
Principal								\$130,500	\$130,500	\$130,500
Interest							\$52,200	\$101,790	\$96,570	\$91,350
Subtotal							\$52,200	\$232,290	\$227,070	\$221,850
FY 14 Issue								\$5,065,000	\$4,811,750	\$4,558,500
Principal									\$253,250	\$253,250
Interest								\$101,300	\$197,535	\$187,405
Subtotal								\$101,300	\$450,785	\$440,655
FY 15 Issue									\$6,048,000	\$5,745,600
Principal										\$302,400
Interest									\$120,960	\$235,872
Subtotal									\$120,960	\$538,272
FY 16 Issue										\$2,340,000
Principal										
Interest										\$46,800
Subtotal										\$46,800
Total Intermediate Term Priority Debt Service						\$50,500	\$276,925	\$553,265	\$1,013,440	\$1,457,152
Total Long Term Priority Debt Service										
										<i>Long Term Priority Projects will not be Initiated/Require Repayment until 2017</i>
TOTAL PROFORMA DEBT SVC.	\$122,200	\$633,090	\$972,655	\$1,199,390	\$1,559,574	\$1,749,550	\$1,935,679	\$2,171,723	\$2,591,602	\$2,995,018

