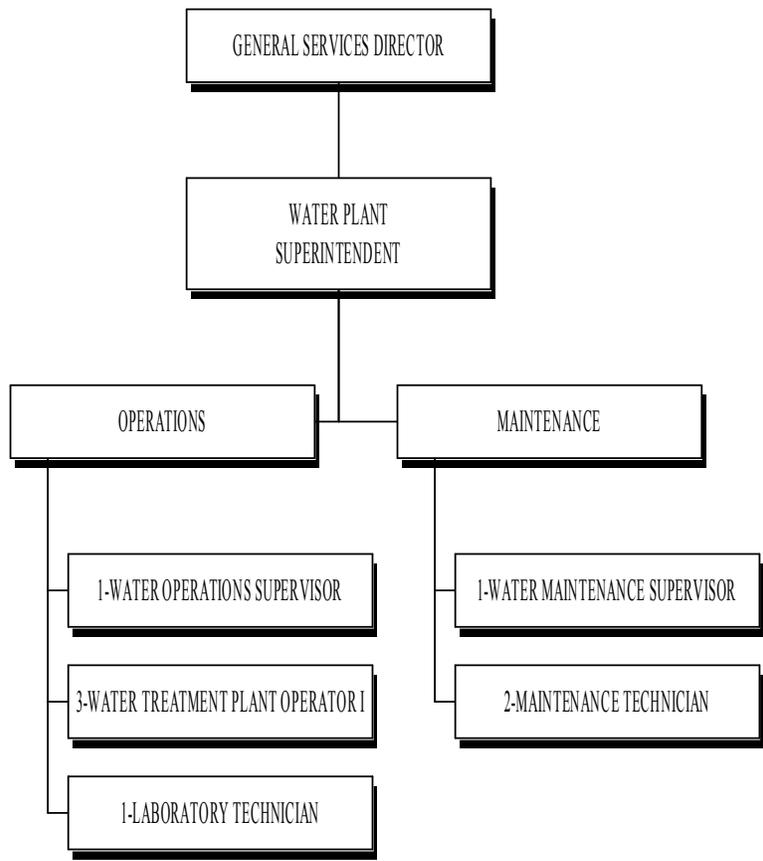


# WATER UTILITY FUND

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GENERAL SERVICES DEPARTMENT  
WATER UTILITY STAFF



**WATER UTILITY FUND****BUDGET DETAIL**

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<u>POSITION TITLE</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
Water Plant Superintendent	1.0	1.0	1.0	1.0
Water Maintenance Supervisor	1.0	1.0	1.0	1.0
Laboratory Technician	1.0	1.0	1.0	1.0
Water Plant Operator I	3.0	3.0	3.0	3.0
Water Operation Supervisor	1.0	1.0	1.0	1.0
Maintenance Technician	<u>2.0</u>	<u>2.0</u>	<u>2.0</u>	<u>2.0</u>
Total	9.0	9.0	9.0	9.0

**PROGRAM HIGHLIGHTS**

**WATER UTILITY FUND**

<u>SERVICE INDICATOR</u>	<u>Actual</u> <u>2012</u>	<u>Actual</u> <u>2013</u>	<u>Estimated</u> <u>2014</u>	<u>Projected</u> <u>2015</u>
1. Water Production (MGD) 4.5	4.5		4.5	4.5

2015 GOALS

1. Do not exceed the MCL limit level(s) of the Safe Drinking Water Act requirements.
2. Continue to reduce electrical consumption and chemical addition at the Water Treatment Plant.
3. Continue to work with schools, organizations, municipal and state government on water quality issues education.
4. Continue to pursue funding opportunities from the State and Federal governments to provide enhanced security features at the plant and remote facilities.
5. Continue to implement and fund capital improvement projects for the water treatment plant and well sites.

2014 GOALS STATUS

1. Do not exceed the MCL limit level(s) of the Safe Drinking Water Act requirements.  
9-Month Status: The Water Treatment Plant continues to comply with all the safe drinking water act requirements with no maximum contaminant levels (MCL) exceeded.
2. Continue to reduce electrical consumption and chemical addition at the Water Treatment Plant.  
9-Month Status: Staff continues to make small reductions in electrical and chemical use.
3. Continue to work with schools, organizations, municipal and state government on water quality issues education.  
9-Month Status: The Water Treatment Plant continues to work on water quality issues education, most recently hosting the NH Department of Environmental Services (NHDES), the NH Water Works Association and the Granite State Rural Water Association for water operator training courses and conducting educational tours at the water treatment plant as requested. Once again, Concord’s water system will have a presence at the NHDES Water Week science fair attended by New Hampshire 5<sup>th</sup> grade students.
4. Continue the upgrades to the Water Treatment Plant SCADA system for enhanced control and operation of the water pump stations and water plant.  
9-Month Status: This is an ongoing project as the Water Treatment Plant upgrades are completed and as technology is improved. Contracted with Woodard & Curran to integrate the Water Treatment Plant’s new emergency gas fired generator and the new motor control center # 3 to the SCADA system.
5. Continue to pursue funding opportunities from the State and Federal governments to provide enhanced security features at the plant and remote facilities.  
9-Month Status: This is an ongoing goal as opportunities and funding become available.
6. Continue to implement and fund capital improvement projects for the water treatment plant and well sites.  
9-Month Status: Engineering services for the design and construction administration of the chemical process improvements at the Water Treatment Plant is in progress. A new gas-fired emergency generator has been installed which replaced the old diesel emergency generator in the chemical room. Relocation of the motor control center #3 has been completed.

**WATER UTILITY FUND**

**PROGRAM HIGHLIGHTS**

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ADDITIONAL 2014 ACCOMPLISHMENTS:

1. The Water Treatment Plant was awarded the 2012 Water Fluoridation Quality Award presented by the Center for Disease Control and Prevention and US Dept. of Health and Human Services.

**BUDGET SUMMARY****WATER UTILITY FUND**

WATER UTILITY	2014 BUDGETED (CURRENT)	2014 ESTIMATED	2015 BUDGET
REVENUE	\$5,540,940	\$5,545,470	\$5,561,895
EXPENDITURES	\$6,017,548	\$6,003,992	\$5,861,070
NET INCOME (LOSS)		(\$458,522)	(\$299,175)
BEGINNING WORKING CAPITAL		\$3,071,895	\$2,613,373
ENDING WORKING CAPITAL		\$2,613,373	\$2,314,198

Note: Reserve

This fund has goals of attaining and maintaining the following reserves for operations, capital, and rate stabilization:

- Operations: 25% operating expense less debt service and pay-as-you-go capital.
- Capital: 25% of debt service but not less than \$500,000.
- Rate Stabilization: 10% of operating revenue or no less than \$500,000.

A 2.44% rate increase is proposed for Fiscal Year 2015.

**WATER UTILITY FUND****BUDGET DETAIL**

WATER UTILITY						
REVENUE	2011 ACTUAL	2012 ACTUAL	2013 ACTUAL	2014 BUDGETED	2014 ESTIMATED	2015 BUDGET
COMMERCIAL SALES	\$3,960,387	\$3,980,340	\$4,098,060	\$4,060,400	\$4,063,000	\$4,091,160
WATER AVAILABILITY CHG	\$1,156,076	\$1,161,398	\$1,170,689	\$1,170,000	\$1,178,270	\$1,170,000
PRIVATE FIRE SERVICE	\$106,123	\$108,040	\$114,239	\$114,000	\$114,000	\$114,000
INTEREST, COSTS AND PENALTIES	\$22,394	\$25,447	\$25,105	\$24,750	\$25,300	\$25,300
INTEREST ON INVESTMENTS	\$6,024	\$4,944	\$8,321	\$7,000	\$5,500	\$5,500
SUNDRY WATER SALES	\$20,373	\$15,188	\$22,815	\$15,000	\$17,500	\$17,500
LABOR REC-SERVICE SALES	\$11,039	\$18,444	\$8,708	\$13,000	\$5,000	\$9,000
CROSS CONNECT INSP FEES	\$77,796	\$25,424	\$57,742	\$66,000	\$60,000	\$60,000
WATER TESTING SERVICES	\$3,191	\$1,408	\$1,960	\$2,000	\$2,000	\$2,000
REPAIRS TO CUSTR SERV	\$0	\$0	\$139	\$0	\$0	\$0
MISCELLANEOUS REVENUE	\$7,036	\$2,087	\$9,601	\$0	\$6,000	\$0
WATER INVESTMENT FEE	\$0	\$25,000	\$20,489	\$15,000	\$20,130	\$20,000
UTILITY DEMAND COMPENSATION	\$4,868	\$2,522	\$3,965	\$0	\$270	\$0
<b>Total</b>	<b>\$5,375,306</b>	<b>\$5,370,243</b>	<b>\$5,541,833</b>	<b>\$5,487,150</b>	<b>\$5,496,970</b>	<b>\$5,514,460</b>

**BUDGET DETAIL****WATER UTILITY FUND**

ADMINISTRATION						
	2011 ACTUAL	2012 ACTUAL	2013 ACTUAL	2014 BUDGETED	2014 ESTIMATED	2015 BUDGET
<b>REVENUE</b>						
RETIREE HEALTH INS-NHRS SHARE	\$0	\$78,635	\$38,869	\$39,340	\$36,700	\$35,670
RETIREE HEALTH INS-RETIREE SHR	\$0	\$21,867	\$11,704	\$14,450	\$11,800	\$11,765
<b>Total</b>	<b>\$0</b>	<b>\$100,502</b>	<b>\$50,573</b>	<b>\$53,790</b>	<b>\$48,500</b>	<b>\$47,435</b>
<b>APPROPRIATIONS</b>						
COMPENSATION	\$24,355	\$25,919	\$25,043	\$29,348	\$29,350	\$29,296
RETIREE HEALTH BENEFITS	\$53,565	\$171,091	\$84,479	\$87,515	\$80,000	\$79,820
OUTSIDE SERVICES	\$10,451	\$16,387	\$12,090	\$16,660	\$16,600	\$16,850
INSURANCES	\$790	\$774	\$814	\$819	\$803	\$872
ADMIN SHARE TO GEN SERV	\$119,460	\$127,980	\$132,390	\$132,390	\$132,390	\$152,297
CD ADMIN & ENGINEERING	\$116,660	\$145,436	\$0	\$0	\$0	\$0
OVERHEAD\FRINGE BENEFITS	\$18,064	\$19,616	\$19,626	\$13,623	\$13,623	\$14,756
UTILITY ADMIN CHARGES	\$384,160	\$490,389	\$0	\$0	\$0	\$0
ADMIN OH PAYMENT TO GENERAL	\$381,400	\$397,000	\$428,500	\$441,710	\$441,710	\$454,970
<b>Total</b>	<b>\$1,108,905</b>	<b>\$1,394,593</b>	<b>\$702,942</b>	<b>\$722,065</b>	<b>\$714,476</b>	<b>\$748,861</b>

**WATER UTILITY FUND****BUDGET DETAIL****METERING, BILLING & ENG SVCS**

	2011 ACTUAL	2012 ACTUAL	2013 ACTUAL	2014 BUDGETED	2014 ESTIMATED	2015 BUDGET
<b>APPROPRIATIONS</b>						
COMPENSATION	\$288,791	\$326,375	\$148,222	\$202,837	\$204,980	\$222,382
EQUIPMENT	\$27,108	\$31,032	\$0	\$0	\$0	\$0
OUTSIDE SERVICES	\$44,619	\$44,081	\$25,838	\$34,690	\$34,690	\$34,805
SUPPLIES	\$95,478	\$86,554	\$41,368	\$43,440	\$43,440	\$45,570
INSURANCES	\$5,320	\$5,510	\$2,850	\$12,275	\$11,540	\$10,989
CD ADMIN & ENGINEERING	\$0	\$0	\$144,700	\$197,720	\$197,720	\$197,770
OVERHEADFRINGE BENEFITS	\$167,839	\$212,061	\$121,921	\$99,798	\$104,720	\$107,023
<b>Total</b>	<b>\$629,154</b>	<b>\$705,613</b>	<b>\$484,899</b>	<b>\$590,760</b>	<b>\$597,090</b>	<b>\$618,539</b>

**VEHICLE COSTS**

	2011 ACTUAL	2012 ACTUAL	2013 ACTUAL	2014 BUDGETED	2014 ESTIMATED	2015 BUDGET
<b>APPROPRIATIONS</b>						
VEH REPAIR SHOP CHARGE	\$33,293	\$36,846	\$27,386	\$22,750	\$22,750	\$23,080
VEHICLE CHARGES ALLOC	(\$168,388)	(\$144,568)	\$0	\$0	\$0	\$0
VEHICLE REPAIR, OUTSIDE	\$6,682	\$7,285	\$1,707	\$4,100	\$4,100	\$4,100
GASOLINE, DIESEL, OIL	\$58,168	\$63,397	\$33,512	\$42,786	\$36,500	\$38,962
REPAIR PARTS	\$22,496	\$33,515	\$15,367	\$17,000	\$17,000	\$17,000
AUTO LIAB/COMPREHENSIVE	\$8,857	\$12,200	\$13,610	\$9,550	\$9,510	\$9,550
<b>Total</b>	<b>(\$38,893)</b>	<b>\$8,674</b>	<b>\$91,582</b>	<b>\$96,186</b>	<b>\$89,860</b>	<b>\$92,692</b>

**ALLOCATED TO UTILITY FUND**

	2011 ACTUAL	2012 ACTUAL	2013 ACTUAL	2014 BUDGETED	2014 ESTIMATED	2015 BUDGET
<b>APPROPRIATIONS</b>						
UTILITY ADMIN CHG ALLOCATED	(\$768,320)	(\$980,779)	\$0	\$0	\$0	\$0
<b>Total</b>	<b>(\$768,320)</b>	<b>(\$980,779)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**BUDGET DETAIL****WATER UTILITY FUND****WATER TREATMENT**

	2011 ACTUAL	2012 ACTUAL	2013 ACTUAL	2014 BUDGETED	2014 ESTIMATED	2015 BUDGET
<b>APPROPRIATIONS</b>						
COMPENSATION	\$419,166	\$438,258	\$455,462	\$529,984	\$510,110	\$543,974
REAL ESTATE TAXES	\$5,758	\$5,839	\$5,905	\$6,000	\$5,870	\$6,000
EQUIPMENT	\$2,913	\$68	\$0	\$0	\$0	\$0
OUTSIDE SERVICES	\$51,615	\$58,960	\$51,794	\$78,100	\$78,960	\$74,004
CHEMICALS	\$175,308	\$159,256	\$166,813	\$235,226	\$235,226	\$214,522
SUPPLIES	\$130,485	\$92,872	\$102,680	\$61,110	\$60,510	\$63,210
UTILITIES	\$298,933	\$193,855	\$290,368	\$242,022	\$221,137	\$253,713
INSURANCES	\$28,099	\$27,356	\$27,873	\$28,238	\$31,390	\$28,287
OVERHEAD\FRINGER BENEFITS	\$288,422	\$309,497	\$328,209	\$239,918	\$237,670	\$259,429
<b>Total</b>	<b>\$1,400,697</b>	<b>\$1,285,962</b>	<b>\$1,429,104</b>	<b>\$1,420,598</b>	<b>\$1,380,873</b>	<b>\$1,443,139</b>

**WATER DISTRIBUTION**

	2011 ACTUAL	2012 ACTUAL	2013 ACTUAL	2014 BUDGETED	2014 ESTIMATED	2015 BUDGET
<b>REVENUE</b>						
MISCELLANEOUS REVENUE	\$1,765	\$1,602	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$1,765</b>	<b>\$1,602</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

	2011 ACTUAL	2012 ACTUAL	2013 ACTUAL	2014 BUDGETED	2014 ESTIMATED	2015 BUDGET
<b>APPROPRIATIONS</b>						
COMPENSATION	\$249,598	\$251,515	\$240,840	\$316,389	\$307,280	\$324,260
EQUIPMENT	\$67,857	\$74,092	\$0	\$0	\$0	\$0
OUTSIDE SERVICES	\$26,524	\$19,933	\$13,910	\$16,620	\$20,500	\$15,620
SUPPLIES	\$40,230	\$48,284	\$53,704	\$37,538	\$90,218	\$39,592
INSURANCES	\$7,547	\$7,357	\$7,346	\$8,490	\$8,465	\$8,658
OVERHEAD\FRINGER BENEFITS	\$166,084	\$172,980	\$173,113	\$187,471	\$183,190	\$165,219
RIGHT-OF-WAY MAINTENANCE	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000
<b>Total</b>	<b>\$677,841</b>	<b>\$694,162</b>	<b>\$608,914</b>	<b>\$686,508</b>	<b>\$729,653</b>	<b>\$673,349</b>

**WATER UTILITY FUND****BUDGET DETAIL**

DEBT SERVICE						
APPROPRIATIONS	2011 ACTUAL	2012 ACTUAL	2013 ACTUAL	2014 BUDGETED	2014 ESTIMATED	2015 BUDGET
INTEREST & COSTS ON DEBT	\$395,951	\$424,711	\$408,873	\$468,890	\$468,890	\$469,210
PRINCIPAL	\$1,569,548	\$1,530,573	\$1,575,997	\$1,746,480	\$1,746,480	\$1,414,660
(GAIN) LOSS ON REFUNDING	\$0	\$0	(\$77,750)	\$0	\$0	\$0
<b>Total</b>	<b>\$1,965,499</b>	<b>\$1,955,284</b>	<b>\$1,907,120</b>	<b>\$2,215,370</b>	<b>\$2,215,370</b>	<b>\$1,883,870</b>

**BUDGET DETAIL****WATER UTILITY FUND****CROSS-CONNECTION CONTROL**

	2011 ACTUAL	2012 ACTUAL	2013 ACTUAL	2014 BUDGETED	2014 ESTIMATED	2015 BUDGET
<b>APPROPRIATIONS</b>						
COMPENSATION	\$18,758	\$6,636	\$12,875	\$17,618	\$26,110	\$20,187
EQUIPMENT	\$5,316	\$1,809	\$0	\$0	\$0	\$0
OUTSIDE SERVICES	\$710	\$396	\$760	\$1,000	\$700	\$800
SUPPLIES	\$332	\$0	\$0	\$0	\$0	\$0
INSURANCES	\$440	\$146	\$309	\$220	\$350	\$286
OVERHEAD\FRINGER BENEFITS	\$12,510	\$4,550	\$9,996	\$9,022	\$11,880	\$10,947
<b>Total</b>	<b>\$38,066</b>	<b>\$13,537</b>	<b>\$23,940</b>	<b>\$27,860</b>	<b>\$39,040</b>	<b>\$32,220</b>

**CAPITAL OUTLAY AND TRANSFER**

	2011 ACTUAL	2012 ACTUAL	2013 ACTUAL	2014 BUDGETED	2014 ESTIMATED	2015 BUDGET
<b>APPROPRIATIONS</b>						
448 HYDRANTS	\$50,766	\$74,371	\$77,880	\$54,201	\$78,500	\$56,000
254 ALL EMER CAPITAL REPL	\$0	\$20,000	\$0	\$50,000	\$0	\$50,000
332 FACILITY SECURITY MEASURES	\$0	\$0	\$0	\$0	\$0	\$5,000
TRANSFERS TO CAP PROJECT FUND	\$132,243	\$265,453	\$160,542	\$139,000	\$139,000	\$237,400
TRANSFERS TO TRUST	\$0	\$125,000	\$20,489	\$15,000	\$20,130	\$20,000
<b>Total</b>	<b>\$183,009</b>	<b>\$484,824</b>	<b>\$258,911</b>	<b>\$258,201</b>	<b>\$237,630</b>	<b>\$368,400</b>

**WATER UTILITY FUND****FUNDING IMPACT**

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**Fiscal Year 2014**

FY 2014 total expenditures are estimated to be below budget. Operation and maintenance expenses are estimated to be below budget. FY 2014 total revenues are estimated to be slightly ahead of budget. The estimated loss for the fund is less than the FY 2014 projected loss.

**Fiscal Year 2015**

FY 2015 total expenditures are below FY 2014 budget levels. Operating and maintenance expenditures for FY 2015 are below the FY 2014 budget. A decrease in debt service accounts for the decrease in expenditures. FY 2015 total revenues are anticipated to remain relatively flat, with little increase from FY 2014 levels. The fund requests a rate increase in FY 2015 and notes that further rate increases will be required in subsequent years to reach targeted working capital. The rate increase is necessary to support the continued capital improvements to the water utility.