

Water Operations – Overview, Goals, and Objectives

Overview

The Water Operations staff is responsible for monitoring water quality distributed from Nags Head's plant into the Town's distribution system. The water plant is staffed two shifts per day, seven days a week and serves as an after-hours contact for Nags Head citizens wishing to report water problems or seeking information concerning other Town departmental activities.

Water Operations consists of the Eighth Street Water Treatment Plant and storage tank, the Gull Street Pump Station and storage tank, and two 500,000-gallon elevated water storage tanks. In addition, Water Operations maintains a state certified laboratory for bacteriological testing to ensure that water quality is in compliance with state and federal regulations.

Goals

- Provide drinking water, and water needed for fire suppression, that meets or exceeds all federal and state standards in quantity and quality. (BOC Values 2, 4 and 5)
- Maintain the Town's water treatment and storage system in optimum operating condition and add needed system enhancements as required to meet increasing state and federal water quality standards. (BOC Values 1, 2, 4, 5 and 6)
- Continually improve customer service and department communications with the public, businesses, and other Town departments. (BOC Values 1, 4 and 6)

Objectives and Related Performance Indicators

- **Objective** - Improve water service through water quality enhancements.
Performance Indicators –
 1. Monitor water quality from Oregon Inlet north and throughout distribution system.
 2. Continue monitoring and system operational adjustments to reduce TTHM concentration throughout the distribution system in order to meet the Stage 2 Disinfection/Disinfection By-Product Rule.
- **Objective** - Perform scheduled system maintenance to maximize the life of critical system components.
Performance Indicators -
 1. Inspection of Eighth Street water tower's cathode protection system.
 2. Replace/update the SCADA radios at four locations. (Eighth Street water plant, Eighth Street tower, Gull Street and SNH tower.
- **Objective** - Plan for future Water Operations capital needs.
Performance Indicators –
 1. Monitor proposed and established future water quality standard revisions.
 2. Determine how the Town can meet future revised standards.
 3. Review/identify water treatment methods to meet future water quality standards.
 4. Prepare Water Operations capital improvement plan to include any future treatment needs/modifications.

Water Operations

Adopted Organization and Staffing



Water Operations – Budget Highlights

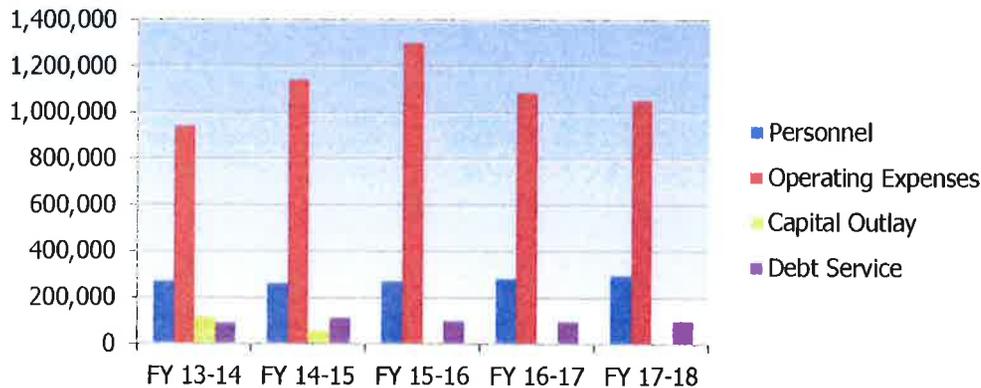
Highlights

- Debt Service includes the 14th year payment of \$90,567 for a loan, financed over 15 years, for the Eighth Street water tower.
- Funding of \$831,168 is included for purchasing 444 million gallons of water from Dare County for resale to Nags Head property owners.
- The wholesale water rate is \$1.872 per 1,000 gallons.

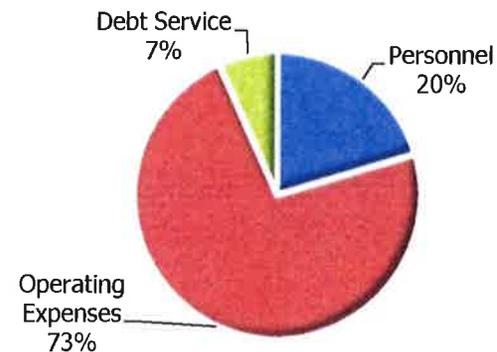
Expenditures by Function

		FY 2016-2017 <u>Adopted</u>		FY 2017-2018 <u>Adopted</u>	Percent <u>Change</u>
Personnel Services	\$	283,875	\$	296,960	4.61%
Operating Expenses	\$	1,089,886	\$	1,056,749	-3.04%
Debt Service	\$	99,259	\$	98,790	-0.47%
Total	\$	1,473,020	\$	1,452,499	-1.39%

Fiscal Year 2017-2018 Adopted Expenditures and Expenditure History



Fiscal Year 2017-2018 Adopted Expenditures by Function



**Town of Nags Head
Adopted Budget
For the Fiscal Year 2017-2018**

Department: *Water Operations*

Account Description	Manager's Recommended 2017-2018	Adopted Budget 2017-2018	Financial Plan 2018-2019	Adopted Budget 2016-2017	Adjusted Budget 2016-2017	Estimated Actual Expenditures 2016-2017	Actual Expenditures 2015-2016	Actual Expenditures 2014-2015
PERSONNEL SERVICES								
SALARIES/WAGES - REGULAR	\$ 193,656	\$ 192,906	\$ 196,751	\$ 200,928	\$ 200,928	\$ 200,000	\$ 196,628	\$ 185,570
SALARIES - LONGEVITY PAY	7,755	7,755	9,785	-	-	-	-	6,507
OVERTIME PAY	500	500	500	-	-	-	-	414
HOLIDAY PAY	6,700	6,700	6,700	-	-	-	-	-
FICA TAX	15,959	15,901	16,351	15,282	15,282	13,531	13,958	13,817
GROUP HEALTH INSURANCE	53,389	53,389	55,865	49,890	49,890	50,444	48,677	48,871
RETIREMENT	15,665	15,665	16,237	13,932	13,932	13,819	13,239	13,568
401 K	4,144	4,144	4,262	3,843	3,843	2,022	1,890	2,035
Subtotal Personnel Services	\$ 297,768	\$ 296,960	\$ 306,451	\$ 283,875	\$ 283,875	\$ 279,816	\$ 274,391	\$ 270,783
OPERATIONS								
TRAINING	\$ 3,285	\$ 3,285	\$ 3,285	\$ 3,285	\$ 3,360	\$ 1,077	\$ 2,485	\$ 1,048
BUILDING/EQUIPMENT RENTAL	1,480	1,480	1,480	774	774	943	826	669
TELEPHONE	5,048	5,048	5,048	3,500	3,500	2,768	3,232	3,567
TELEPHONE - CELL PHONE STIPEND	420	420	420	420	420	420	420	403
UTILITIES	53,906	53,906	58,218	52,950	52,950	50,026	46,309	45,462
TRAVEL	-	-	-	-	-	-	-	682
POSTAGE	2,650	2,650	2,700	2,000	2,000	226	1,459	1,525
ADVERTISING	260	260	260	260	260	189	-	66
PRINTING	3,825	3,825	3,825	3,825	3,825	2,750	2,687	2,708
FUEL COSTS	5,400	5,400	5,400	6,500	6,500	3,553	4,313	5,805
DEPARTMENT SUPPLIES	30,690	30,690	32,690	28,074	21,614	19,387	30,208	26,383
OTHER SUPPLIES	7,225	7,225	7,600	6,375	6,375	1,506	2,384	11,578
OTHER SUPPLIES - COMPUTER	2,000	2,000	-	-	-	-	723	713
MAINT/REPAIR BUILDINGS	1,500	1,500	2,000	1,000	1,000	915	300	872
MAINT/REPAIR EQUIPMENT	16,400	16,400	292,850	49,200	15,200	15,000	21,809	136,774
VEHICLE MAINTENANCE	1,900	1,900	1,900	1,500	1,500	659	1,134	435
VEHICLE REPAIRS	500	500	500	-	-	-	-	-
UNIFORMS	2,000	2,000	2,000	2,000	2,000	1,550	1,563	1,913
PROFESSIONAL FEES	6,250	6,250	6,250	6,250	7,850	4,850	4,814	3,209
CONTRACTED SERVICES	18,254	18,254	18,310	14,550	14,550	8,648	6,597	7,205
PURCHASES FOR RESALE	831,168	831,168	872,726	854,865	854,865	779,680	753,552	858,977
DEPRECIATION EXPENSE	-	-	-	-	-	-	-	-
OPEB FUNDING	-	-	2,700	-	-	-	768	2,816
DUES AND SUBSCRIPTIONS	2,588	2,588	2,688	2,558	2,558	3,608	2,460	2,092
INSURANCE	60,000	60,000	60,000	50,000	50,000	50,000	49,010	49,763
Subtotal Operations	\$ 1,056,749	\$ 1,056,749	\$ 1,382,850	\$ 1,089,886	\$ 1,051,101	\$ 947,755	\$ 937,054	\$ 1,164,662
COST REIMBURSEMENT								
COST REIMBURSEMENT	\$ -	\$ -	\$ -	\$ -	\$ 331,736	\$ 331,736	\$ 343,336	\$ 337,097

**Town of Nags Head
Adopted Budget
For the Fiscal Year 2017-2018**

Department: *Water Operations*

Account Description	Manager's Recommended 2017-2018	Adopted Budget 2017-2018	Financial Plan 2018-2019	Adopted Budget 2016-2017	Adjusted Budget 2016-2017	Estimated Actual Expenditures 2016-2017	Actual Expenditures 2015-2016	Actual Expenditures 2014-2015
<i>CAPITAL OUTLAY</i>								
CAPITAL OUTLAY BUILDINGS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 94,695	\$ -
CAPITAL OUTLAY OTHER	-	-	-	-	34,000	30,281	-	-
CAPITAL OUTLAY EQUIPMENT	-	-	-	-	7,000	6,250	56,834	47,100
CAPITAL OUTLAY BUDGETARY	-	-	-	-	-	-	-	-
<i>Subtotal Capital Outlay</i>	\$ -	\$ -	\$ -	\$ -	\$ 41,000	\$ 36,531	\$ 151,529	\$ 47,100
<i>DEBT SERVICE</i>								
L/P PRINCIPAL	\$ 94,789	\$ 94,789	\$ 86,667	\$ 93,209	\$ 93,209	\$ 93,209	\$ 96,931	\$ 85,550
L/P INTEREST	4,001	4,001	1,950	6,050	6,050	6,050	13,150	16,190
ACCRUED INTEREST	-	-	-	-	-	-	1,053	-
<i>Subtotal Debt Service</i>	\$ 98,790	\$ 98,790	\$ 88,617	\$ 99,259	\$ 99,259	\$ 99,259	\$ 111,134	\$ 101,740
TOTAL	\$ 1,453,307	\$ 1,452,499	\$ 1,777,918	\$ 1,473,020	\$ 1,806,971	\$ 1,695,096	\$ 1,817,444	\$ 1,921,382