

**DEPARTMENT OF WATER SUPPLY**

Susan Licardi, Acting Director of Water Supply

**Mission Statement-** It is the duty of the Department of Water Supply to ensure the Town water supply meets water quality standards as defined by the Safe Drinking Water Act.

The Water Department supplies domestic water and fire protection to North Kingstown. Currently there are 8,827 accounts. North Kingstown has an average demand of 3.1 MGD (million gallons/day) with a summer peak demand of 8 MGD. The system has ten wells, five storage tanks, two booster stations, 978 hydrants, and 156 miles of distribution piping. North Kingstown also augments the water supply for Narragansett and serves as an emergency source of supply to Jamestown. In the year 2000 8,400 feet of new water main was installed. Of that figure, 4,400 feet of main and 6 hydrants were for new residential development.

Protection of the Town’s groundwater quality as well as preventing the risk of contamination in the distribution system is of paramount concern. Our source water quality continues to be of high quality and as such, no disinfection is needed. However, the State is requiring disinfection as a condition for re-activating Well #10. Engineering and design plans for an ultraviolet disinfection system for this high yield well have been completed. In addition it is anticipated that potential new well sites will be identified and tested this year. Annual distribution system maintenance including hydrant flushing, well inspections and tank cleaning is a necessary ingredient to meeting the ever-increasing requirements of the Safe Drinking Water Act. The Slocum Tank, which has been in service since 1996 was cleaned for the first time this year. In addition, on-site inspections of commercial and industrial facilities, and the installation and testing of backflow prevention devices continues to be a department priority to reduce risks of accidental contamination to the water supply system.

**2001/2002 DEPARTMENT GOALS**

<b>Goal</b>	<b>Vision reference</b>	<b>Timeframe</b>
Completion of Well #10 Ultra-violet Project (Goal 1)	Infrastructure	2001
Hydrological Study for New Well (Goal 2)	Environment	2001-2002
Continue with Fire Hydrant Replacement Project (Goal 3)	Infrastructure	2000-2005
Well Redevelopment (Goal 4)	Infrastructure	2001
Inspection and Cleaning of Wickford Standpipe (Goal 5)	Infrastructure	2001
Wastewater Management Public Education (Goal 6)	Environment	2001-2002
Groundwater Protection Public Education (Goal 7)	Environment	2001
Maintain Water Quality Standards (Goal 8)	Environment	2001
Improve System Hydraulics (Goal 9)	Infrastructure	2001
Rate Study for 2003-2008 (Goal 10)	Financial	2001-2002

**WORK PROGRAM**

<b>QUARTER</b>	<b>ACTIVITY</b>
FIRST QUARTER (7/1/01 to 9/30/01)	Fire Hydrant Replacement Project (Goal 3) Quarterly Well and Tower Water Quality Testing (Goal 8) Test Drilling for New Well (Goal 2) High Street jacking sleeve construction (Goal 9) Completion of Well 10 Ultra-violet project (Goal 1) Hydrant Flushing (Goal 8)
SECOND QUARTER (10/1/01 to 12/31/01)	Sampling Station Replacement (Goal 8) Cleaning of Wickford Standpipe (Goal 5) Quarterly Well and Tower Water Quality Testing (Goal 8) Wastewater Mgt. Public Forum (Goal 6) Wastewater Forum for ISDS Inspectors (Goal 6) Rate Study (Goal 10)
THIRD QUARTER (1/1/02 to 3/31/02)	Quarterly Well and Tower Water Quality Testing (Goal 8) Redevelop Well (Goal 4)
FOURTH QUARTER (4/1/02 to 6/30/02)	Hydrant Flushing (Goal 8) Quarterly Well and Tower Water Quality Testing (Goal 8)

**PERFORMANCE MEASURES**

<i>PRODUCTIVITY MEASURE</i>	<i>Goal</i>	<i>ACTUAL 1999/00</i>	<i>BUDGET 2000/01</i>	<i>ACTUAL 2000/01</i>	<i>PROJECTED 2000/01</i>	<i>PROJECTED 2001/02</i>
Annual Well Production In Million Gallons	Goal 8	1,092	1,018	975	994	994
Well #1 MG	Goal 8	118	99	87	89	89
Well #2 MG	Goal 8	47	73	59	60	60
Well #3 MG	Goal 8	34	47	26	27	27
Well #4 MG	Goal 8	107	124	97	99	99
Well #5 MG	Goal 8	172	149	115	117	117
Well #6 MG	Goal 8	153	118	168	171	171
Well #7 MG	Goal 8	40	26	35	36	36
Well #8 MG	Goal 8	29	20	34	34	34
Well #9 MG	Goal 8	392	345	403	411	411
Well #10 MG	Goal 1	Off Line	Off Line	Off Line	On Line	On Line
Water towers	Goal 5	5	5	5	5	5
Hydrants	Goal 3	950	990	978	990	990
Metered services	Goal 8	8,843	8,980	8,860	8,940	9,020

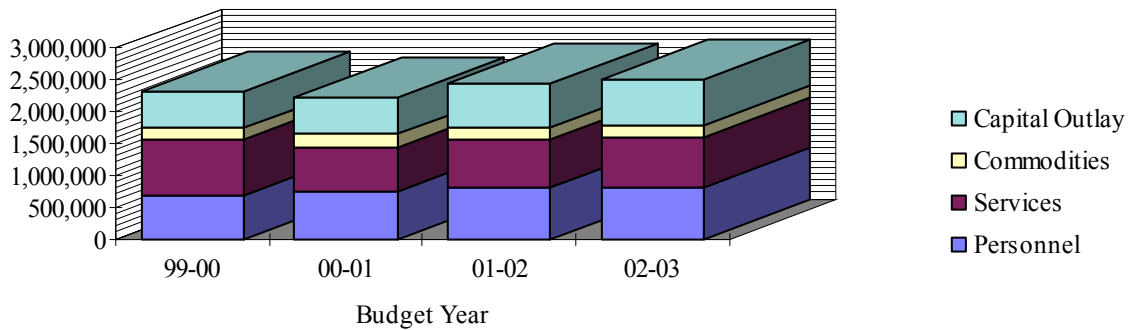
**PERSONNEL LIST**

<i>POSITION TITLE (Full Time)</i>	<i>ACTUAL 99/00</i>	<i>BUDGET 00/01</i>	<i>PROJECTED 01/02</i>
Director Water Supply	1	1	1
Water Quality Specialist	1	1	1
Water General Foreman	1	1	1
Distribution Lead man	1	1	1
Distribution Serviceman	3	3	3
Pump Station Lead man	1	1	1
Pump Station Operator	2	2	2
Meter Reader	1	1	1
Light Equipment Operator	1	1	1
Administrative Assistant	1	1	1
Receivable Manager (50%Finance)	.5	.5	.5
Senior Planner (67% Planning)	.33	.33	.33
Town Engineer(65% PubWorks)	.35	.35	.35
<b>Total</b>	<b>14.18</b>	<b>14.18</b>	<b>14.18</b>

<i>POSITION TITLE (Part Time)</i>	<i>ACTUAL 99/00</i>	<i>BUDGET 00/01</i>	<i>PROJECTED 01/02</i>
Clerk	1	1	1
Water Quality Intern	0	1	1
<b>Total</b>	<b>1</b>	<b>2</b>	<b>2</b>

	Expenditures Last Yr 99-00	Expenditures thru 6/30/01 preclose 00-01	Adopted Budget Curr Yr 00-01	Final Budget Next Yr 01-02	Budget Increase Decrease	Percent Changed Curr/Next	Projected Budget Following Yr 2002-2003
<b>Water</b>							
<b>Personnel</b>	\$681,221	\$666,696	\$745,189	\$795,784	\$50,595	6.79%	\$819,658
<b>Services</b>	\$882,868	\$549,386	\$705,048	\$760,327	\$55,279	7.84%	\$783,137
<b>Commodities</b>	\$174,012	\$161,287	\$192,300	\$185,700	(\$6,600)	-3.43%	\$191,271
<b>Capital Outlay</b>	<u>\$570,735</u>	<u>\$443,137</u>	<u>\$580,710</u>	<u>\$693,410</u>	<u>\$112,700</u>	<u>19.41%</u>	<u>\$714,212</u>
<b>Total</b>	<b>\$2,308,835</b>	<b>\$1,820,505</b>	<b>\$2,223,247</b>	<b>\$2,435,221</b>	<b>\$211,974</b>	<b>9.53%</b>	<b>\$2,508,278</b>

WATER DEPARTMENT  
Budget Trends



The Water enterprise fund includes increases for salaries and fringe benefits, insurance and utilities as previously discussed as well as \$15,000 for Well 10 roof replacement, \$24,000 for hydrological services for new well, \$8,500 for computer equipment upgrades, \$40,000 for Well 10 and SCADA contingency, \$100,000 for High Street Railroad sleeve, \$5,000 motor replacement, \$20,000 meter reading program, \$15,000 well cleaning, \$5,000 tower cleaning, \$300,000 SCADA system, \$30,000 new well reserve fund, and \$100,000 Route 403 system betterments.