



Article 55 *Water System Expenditures*

Article 55 – Mr. Whelan moves:

that the Town take affirmative action on
Article 55 as printed in the Warrant.



Article 55

Water System Expenditures

Program Objectives

- Comply with Regulatory and Statutory Requirements
- Achieve a High Level of Customer Satisfaction
- Provide Sufficient Supply for the Current and Future Needs of Concord



Article 55

Water System Expenditures

Program Objectives

- Well Maintained & Operated Facilities and Infrastructure
- Reasonable and Competitive Rates through Sound Investments and Planning
- Hire, Retain and Train Professional Workforce



Article 55 *Water System Expenditures*

Water System

Value of Infrastructure Assets ~ \$20.4 Million

1 - Surface Water Source (Nagog Pond)

6 - Ground Water Supplies

7 - Pumping Stations

2 - Advanced Water Treatment Facilities

2 - Reservoirs (7.5 MG Storage)

132 - Miles of Distribution Mains

1,306 - Fire Hydrants



Article 55 *Water System Expenditures*

FY17 – Operations & Maintenance Plan

Proposed Expenditures – \$ 4,220,084

\$ 2,420,310 – Pumping, Treatment, Distribution
and Storage

\$ 630,742 – General Fund Services

\$ 1,169,032 – Depreciation



Article 55 *Water System Expenditures*

Article 28: Nagog Pond Water Treatment Facility, Intake Piping and Reservoir Improvements)





Article 55 *Water System Expenditures*

FY17 – Capital Improvement Plan (major components)

Proposed Expenditures – \$ 9,691,435

\$5,362,500 - Nagog Treatment Plant

\$1,850,000 - Nagog Intake

\$ 958,000 - Reservoirs

\$ 800,000 - Brewster Well Site (Balls Hill Rd)

\$ 250,000 - Main Replacement



Article 55 *Water System Expenditures*

FY17 – Residential Rates

Proposed Adjustment (FY 16 to FY17):

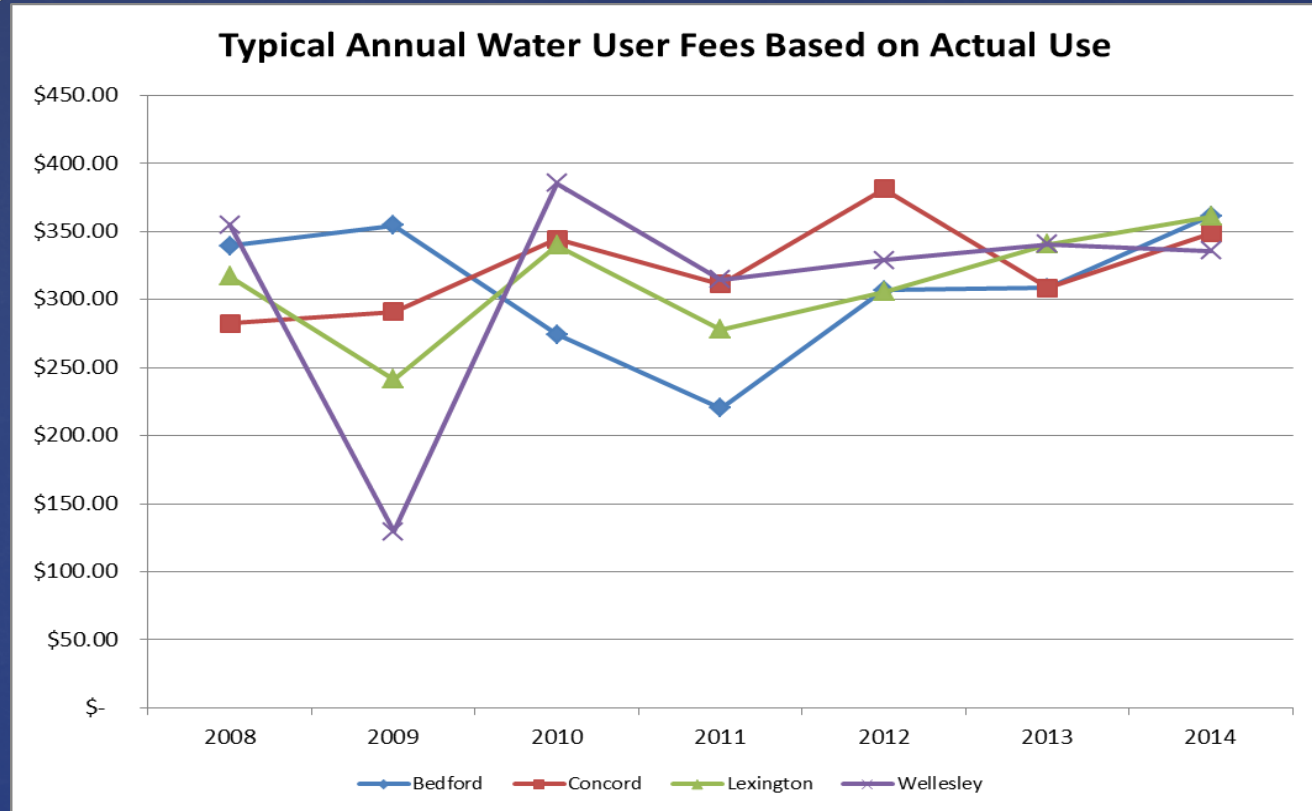
- 1st Step* - \$.0496 (+4.0 %)
- 2nd Step - \$.0992 (+4.0 %)
- 3rd Step - \$.1240 (+3.9 %)

Impact on Avg. Residential Customer ~ \$ 17/year

* Discount Rate: Savings of over \$100/Year



Article 55 Water System Expenditures





Article 55 *Water System Expenditures*

Article 55 - To determine whether the Town will vote that the income from user fees, special service fees, and jobbing services by the Water and Sewer Division of Concord Public Works during the ensuing fiscal year, together with the balance of operating cash in the Water Fund, be expended without further appropriation under the direction and control of the Town Manager in accordance with the Motion passed under Article 38 of the 1974 Annual Town Meeting, or take any other action relative thereto.

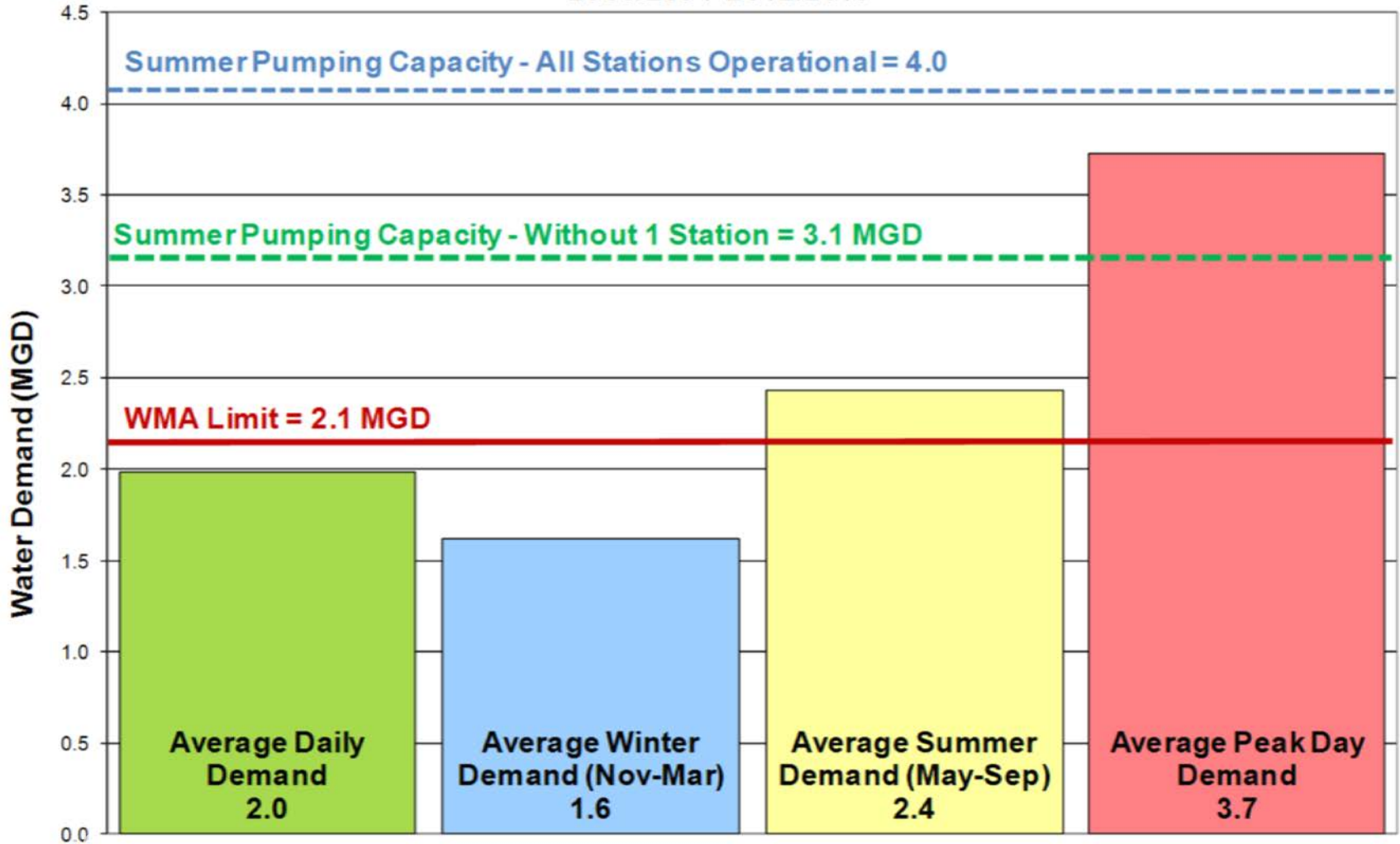


Article 55 *Water System Expenditures*

Water Management Act – Drinking Water


- Baseline – 2005 actual use plus 5%
- Seasonal Controls
 - Irrigation Restrictions
 - Drought Management Plans
- New/Expanded Use - “Offsets”
 - Conservation
 - Water balance: wastewater/stormwater

Town of Concord Water Demand Summary
Summer Pumping Capacity
2003/2004-2012/2013



Seasonal Water Demand Management Plan

Town of Concord, MA

	Seasonal Water Conservation Advisory	Outdoor Water Use Restriction	Outdoor Water Use Emergency
	Best Management Practices	State of Water Supply Conservation - Declaration by Public Works Commission	
	Residential Water Conservation Rates in Effect May 1 - September 30	Water Demand Approaching Limit of Supply OR Drought Watch/Warning in Effect	Water Demand Has Exceeded Supply, Water Pressure/Fire Protection at Risk OR Drought Emergency in Effect
OUTDOOR WATER ACTIVITIES			
Lawn Watering	Recommended ¹ Max. 2 Day per Week (before 9AM)	Restricted ² Max. 2 Days per Week (before 9AM)	Prohibited ²
Swimming Pools	OK Filling or Topping Off	Restricted ² Topping Off Only	Prohibited ²
Washing Car/Truck/Boat	OK	Recommended Bring to Commercial Car Wash	Prohibited ² Bring to Commercial Car Wash
Flower Beds & Vegetable Gardens	OK	Recommended Handheld Watering Only	Restricted ² Handheld Watering Only

¹ Unless otherwise advised by qualified lawn care specialist.

² Enforceable with fines (\$50 - 1st offense. \$100 - subsequent offenses)

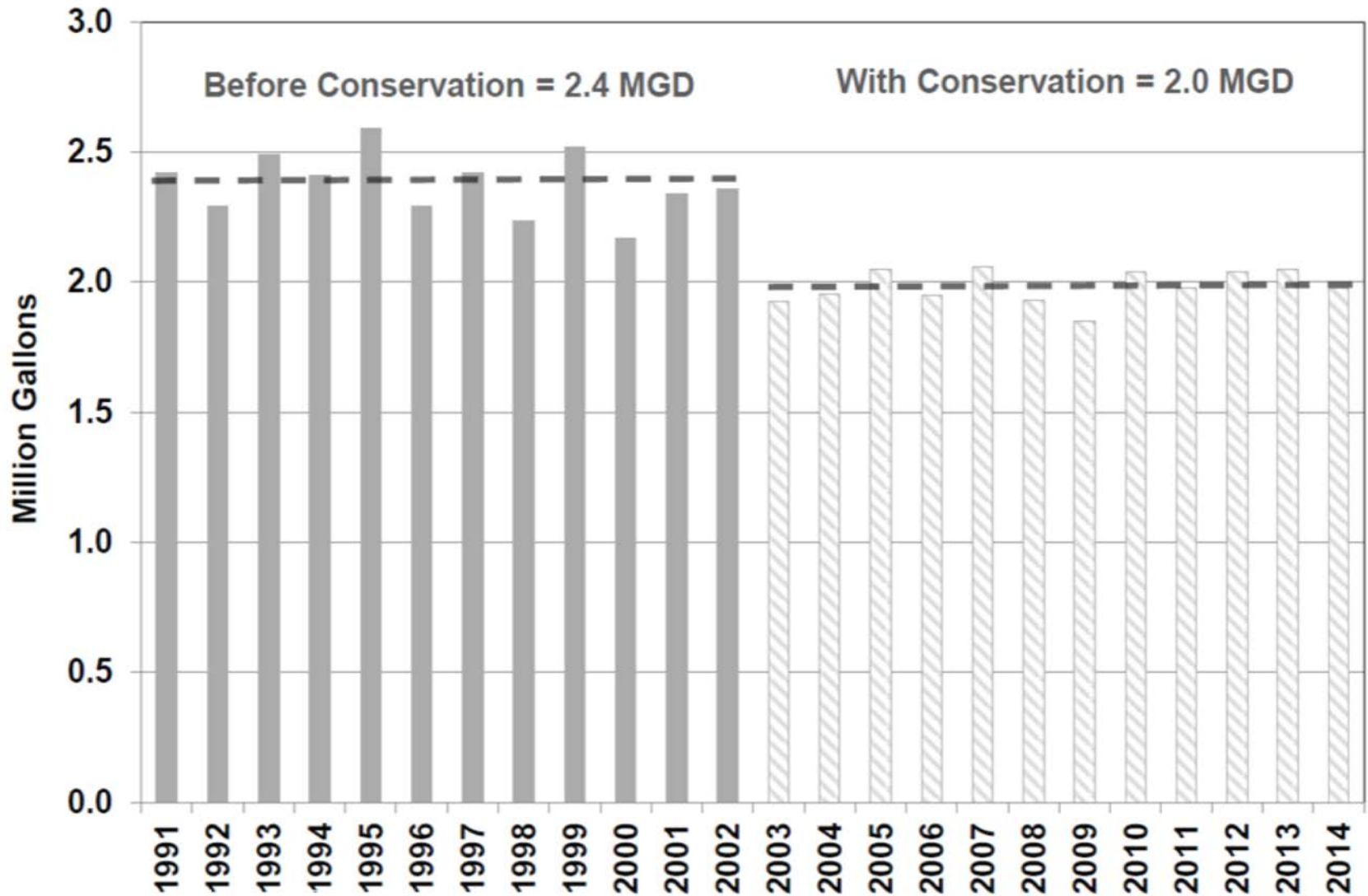
You can help conserve water indoors all year long by utilizing the following recommended practices:

- Only wash full loads in your laundry and dish washing machines
- Keep showers short and remember that showers use less than baths

Visit concordma.gov for current State of Demand Management

Sign up for Water and Sewer Division email updates by subscribing to news on the concordma.gov homepage

Average Daily Water Demand - System





Article 55 Water System Expenditures

FY17 - Operating Expenditures (\$4,220,084)

