



Town of Groveland
Water and Sewer Department
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2006 Annual Town Report for the Water and Sewer Department

To the Citizens of the Town of Groveland:

The **Water Department** was started in 1965 after buying water from Haverhill for many years. It is municipally owned by the Town of Groveland. All of our water supply is derived from gravel packed wells. These wells are primarily located near the Merrimack River. We supply 1,893 service connections to approximately 5,200 people through 23 miles of main.

On an average day, the Department pumps about 400 thousand gallons per day from our three active wells. Water is treated for corrosion control. Fluoridation and chlorination is also added to the water supply.

The **Sewer Department** started in 1977 and is also municipally owned. Wastewater is sent to the Haverhill Waste Water Treatment Plant. The Department operates and maintains 4 lift stations and one pump station.

Water Department 2006

The 2006 Water Quality Report was prepared by the Department, as required by the DEP, and is available to all customers at the water Departments Office. The Town of Groveland continues to provide high quality drinking water to its customers.

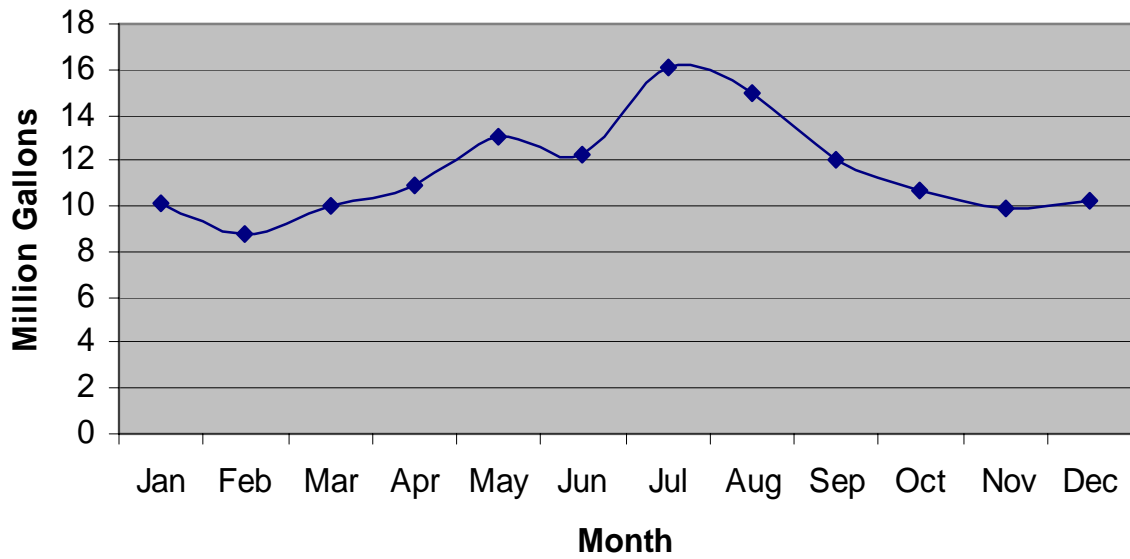
There were 90 new water service connections activated this year.

In the year 2006 the department pumped a total of 139 million gallons of water, which is down 16.3 million gallons from last year. On the maximum peak day, July 28th, we pumped 856 thousand gallons of water. Monthly usage is noted and charted below.

During the annual hydrant flushing program we flushed 98 hydrants throughout the town. Hydrant flushing enhances water quality by flushing sediment from the mainline pipes, verifies proper operation of hydrants and valves, and maintains firefighting capability

We have completely rehabilitated well #3 by "Aqua Freeze" process and chemical injection; the well will now produce what it was originally designed for (500gpm). We have also installed a new well pump and a premium efficient motor to save on electrical costs.

Groveland Water Use / Month

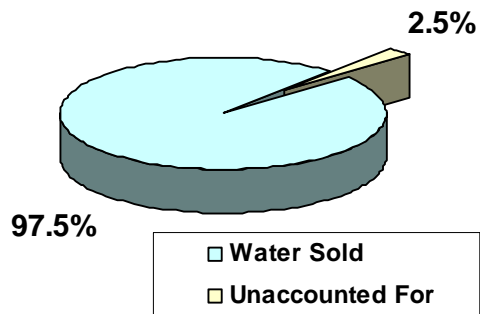


In the year 2005 the department pumped a total of 139.0 million gallons of water.

Jan	Feb	Mar	Apr	May	Jun
10,100	8,796	9,971	10,873	13,045	12,250
Jul	Aug	Sep	Oct	Nov	Dec
16,041	15,012	12,091	10,678	9,853	10,241

In millions of gallons

Total Unaccounted For Water 2006



Unaccounted for water was below 10%, the goal as set by the DEP. "Unaccounted water" is the difference between the water billed to consumers (metered consumption) and the amount of water that entered the system (metered supply). It includes domestic and non-domestic meter under-registration, unauthorized hydrant openings, piping leakage, and illegal connections. Water that is lost is not used, and is therefore wasted. It not only represents a loss to the water supplier who receives no compensation for the distribution of this water, but also a loss to the consumer, who is missing out on the opportunity to consume this water.

We are still working with Nichols Trust on Main Street to complete construction of that project and the repaving of Main Street.

We are still hopeful that we will be able to build our new water storage tank in the future. Various lawsuits have delayed the Town Forest Crossing development, which has prevented the start of construction of the proposed tank. The delay, in its fourth year, will cause the project cost to rise.

As part of the departments ongoing water meter replacement program, approximately 100 water meter were replaced with newer more accurate meters, Over the next few months, we will continue to replace Commercial/ Industrial and Residential old, outdated water meters with new remote-read models.

The installation of new water meters is a step towards proactive maintenance, upgrading to newer technology, and enhancing customer satisfaction and convenience.

The installation of the new water meters will provide more convenient service for customers by eliminating the need to fill out cards; call in readings and having a service person enter the premises for a meter reading. The installation of a remote reading device on the outside wall of the building will allow for accurate timely reading of water consumption and will negate catch-up billing, over or under estimating.

Sewer Department 2006

The total wastewater pumped to the City of Haverhill wastewater treatment plant was 106.4 million gallons for the year, this is up 43 million gallons from last year due to an exceptionally wet spring

Eleven new customers were connected to the Town's sewer system this year bringing to the total customers to 872.

Also, the Sewer Department is process of finalizing an agreement with the Pentucket School system to take over the operation and maintenance of Pentucket sewer lift station and forced main in conjunction with the gravity line installed down Main Street. The Pentucket station will be improved to better serve the schools and allow Main Street residents to receive gravity sewer to their homes.

Respectfully submitted,
Bruce W. Adams, Chair
John G. Willett
James M. Sheehan
Frank Giordano, Superintendent
Pat Rogers, Office Manager

"And it never failed that during the dry years the people forgot about the rich years, and during the wet years they lost all memory of the dry years. It was always that way." ~ John Steinbeck