

**PUBLIC UTILITIES**

2010

**Water Service**

All Fremont residents receive their water from groundwater sources, entirely through the use of on-site domestic water wells. In addition, there are ten (10) Public Water Systems in town. A Public Water Supply (PWS) is a system for the provision to the public of piped water for human consumption, and has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year. Public water supplies can be divided into three categories, shown in the table below.

<i>PWS Category</i>	<i>Community Systems</i>	<i>Non-Community Non-Transient Systems</i>	<i>Non-Community Transient Systems</i>
Typical Examples	Municipal Apartments Condominiums Mobile Home Parks Single family home dev.	Schools, Day cares Year-round office buildings Commercial or industrial business / permanent employees	Restaurants Motels Hotels Ski area Beaches Campgrounds

*Source:*

*NH DES*

There are two (2) Community Systems in Fremont, at Colonial Poplin Nursing Home and in Governor’s Forest. Six (6) systems are Non-Transient, Non-Community Systems. Those are: Barnyard Buddies, Country Club for Kids, Ellis School, Fremont Early Learning Environment, Black Rocks Village and United Machine and Tool Design. The PWS serving Black Rocks Village serves 112 households and is unique in that it is owned and operated as a publicly regulated water utility, known as Hampstead Area Water Company, Inc. The remaining two (2) systems (non-community, transient) are found at Fremont Pizzeria and Poplin Café.

Although not considered a PWS, many two-family and multi-family structures are served by common well. For instance, 4-unit structures along Scribner Road are each serviced by one common well per structure. There is also a subdivision of duplexes on Rislove’s Way, in which each duplex structure is served by one common well. Other examples of common wells serving a multi-unit structure occur on Main Street and Susan’s Way.

Additionally, Fremont residents living in Witham’s Mobile Home Park are serviced directly by the Raymond Water Supply.

With the recent establishment of the Corporate Commercial Zone at the north side of Fremont, it may be valuable to understand the feasibility and capacity of a Public Water System. Fremont should be amenable, and possibly promote, shared water systems to reduce the development and operating costs of potential tenants.

Fremont's Water Resource Management and Protection Plan (WRMPP), adopted by the Planning Board on October 27, 2010, provides an in depth discussion on water resource issues and recommendations regarding the protection of the Town's resources. This plan makes a series of recommendations of both non-regulatory and regulatory nature. These recommendations aim to educate Fremont residents and policy makers on ways to protect and improve groundwater quality. The WRMPP should be reviewed in tandem with this chapter when evaluating Fremont's water resources and associated policies.

### **Municipal Sewer System / Wastewater Disposal**

Currently, Fremont does not have a municipal sewer system or wastewater treatment facility. The Town is entirely served by on-site septic systems; therefore, there has not been a need for a municipal wastewater treatment plant. Areas of intense development may be considered for aggregate treatment of sewage. However for on-site systems, it remains imperative that natural resource information, especially soils types, be utilized in order to assure the continued safe and sanitary disposal of the community's sewage wastes, without harming these resources.

An assessment of current development and the potential for pollution of natural resources must be done in order to determine which areas should begin to implement the aggregation and treatment sewage. Any new developments which continue to increase the burden on the land to deal with this waste should be carefully scrutinized for their impacts. These issues are more fully addressed in the Water Resource Management and Protection Plan.

With the recent establishment of the Corporate Commercial Zone at the north side of Fremont, the Town should be amenable, and possibly promote, shared sewer systems to reduce the development and operating costs of potential tenants.

### **Electrical Service**

Fremont is supplied electricity by the Public Service Company of New Hampshire (PSNH) and the New Hampshire Electric Cooperative. Under its franchise agreement with the N.H. Public Utilities Commission (PUC), it and all other utilities are required to meet the demand for all areas within their territory.

The NH Coop covers a relatively small corridor along the southern tier of Town, while PSNH covers the rest of Fremont. The NH Coop has a 7.2 KV line that travels from Chester, through Fremont along South Road to Brentwood. PSNH has one large transmission line that runs through Fremont. This is a 115 KV transmission line that carries power from the Portsmouth's Schiller station to the Manchester area. It travels in an east-west direction in the southeast portion of Town.

Since the 1987 Master Plan, PSNH has modified the line along 111A from the Danville-Fremont Town line, up to and along 107 to the center of Town. The voltage along this line has been modified to 34.5 KV in this area. Furthermore, PSNH and NH Coop are required to expand

service as demanded, and will be able meet local demand for the near future.

### **Natural Gas**

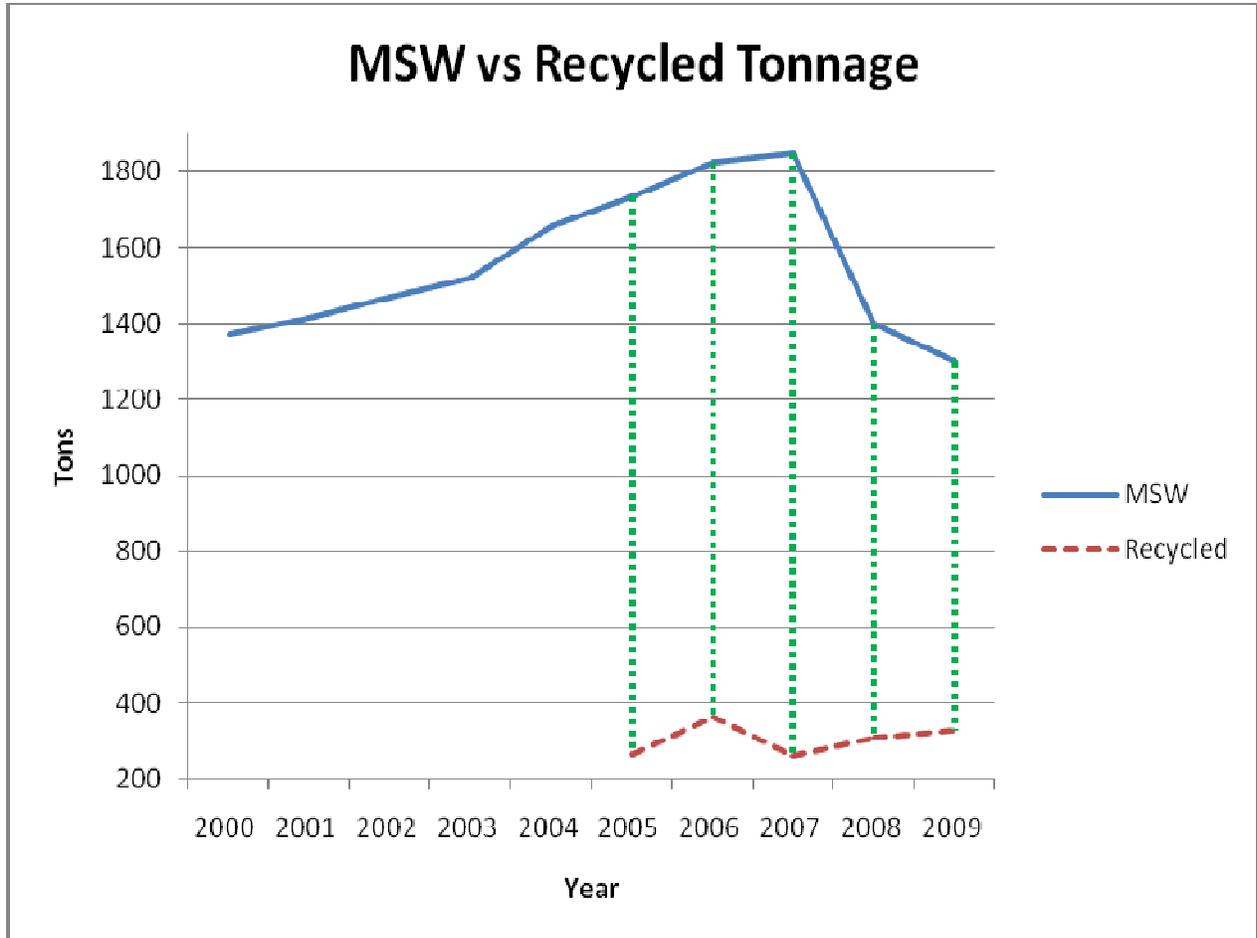
There is no Natural Gas service provided within the Town of Fremont. Town residents have individual propane tanks to provide gas for heating and cooking. There has been no indication that Fremont will be served by natural gas lines, as such an installation is not feasible in the current economic climate.

### **Solid Waste Disposal/Recycling**

Fremont's current contract for pickup of solid waste and recycling is with Waste Management of NH. Since the recycling program began in 2005, Fremont has successfully decreased tonnage of municipal solid waste (MSW). In the 2005, Fremont disposed of 1,760.66 tons of trash and recycled 263.78 tons of material. Within four years (in 2009) the tonnage of trash was reduced to 1,300.08 and recycling increased to 326 tons.

In addition to recycling, a major catalyst in the reduction of MSW was the Town's decision to switch to a "toter" program in July of 2008. Toters are large, wheeled waste bins. Each legal household is assigned one. This regulates the amount of waste being thrown away and encourages recycling efforts, as there is no limit on the amount residents may recycle. As shown in the Figure 1 (on the following page), Fremont saw a drastic reduction in MSW and a continued increase in recycling with the introduction of toters (between the data points of 2007 and 2008). Not only does this policy reduce waste and increase recycling, it also reduces the Town's financial burden.

Figure 1: MSW vs. Recycling 2000-2009



Source: Town of Fremont

Current rates are MSW \$68.26 per ton of Municipal Solid Waste (MSW) and \$82.40 per ton for “bulky” waste, while there is no charge for recycling. Therefore, more recycling and less MSW means less cost to the Town. (These rates are effective July 1, 2010 through June 30, 2011.)

Figure 2 illustrates the net effect of reducing MSW tonnage and rising tipping fees (fee to dispose of MSW per ton). The MSW per capita (shown in pounds) has decreased over the past ten years by over 160 pounds per person, per year. As significant as this reduction is, the money saved by disposing less solid waste has been slightly offset by a concurrent increase in tipping fees. Still, this analysis demonstrates an effective reduction in annual cost per resident achieved through the adoption of the toter program.

*Figure 2: Annual Cost per Resident*

<i>Year</i>	<i>2000</i>	<i>2009</i>
Population	3,510 <sup>1</sup>	4,200 <sup>2</sup>
MSW (tons)	1,369 <sup>3</sup>	1,301 <sup>3</sup>
<b>MSW per Capita (pounds)</b>	<b>780</b>	<b>619</b>
Tipping Fee (per ton)	\$51.90 <sup>3</sup>	\$66.42 <sup>3</sup>
<i>Annual Cost per Resident</i>	<i>\$20.25</i>	<i>\$20.57</i>
<b>Adjusted Annual Cost per Resident (2009 dollars)</b>	<b>\$25.23<sup>4</sup></b>	<b>\$20.57</b>

1 - 2000 US Census

2 - NH OEP

3 - Town of Fremont

4 - US Bureau of Labor Statistics

Fremont also belongs to the SRRDD 53-B solid waste disposal district (a regional planning effort). This district includes Brentwood, Sandown, Fremont, Hampton, Hampton Falls, Rye, New Castle, South Hampton, North Hampton and Kensington. This group meets quarterly to negotiate the contract all towns have with the Waste Management/Turnkey Landfill in Rochester, and organizes and holds two annual regional household hazardous waste collection days. In spring it is held in Hampton and in the Fall it is in Brentwood.

## Communications

Fremont currently has three wireless communication towers. They are located at 399 Beede Hill Road, 326 Main Street and 789 Main Street.

Landline phone service is primarily received from FairPoint and Comcast, although a few residents at the Sandown town line are served by Granite State Telephone. The exchanges in Fremont are 244, 642, 679, 734, 887 and 895. There are also several internet service providers through which residents get phone service.

Cable television system franchises are regulated by N.H. RSA Chapter 53-C. Each community has the right to grant a franchise to one or more companies after holding a public hearing.

The Town's first cable contract was with Continental Cablevision, negotiated in 1988. That company was bought out several times in the 20 year duration of the initial contracting, changing to Media One, AT&T, and most recently Comcast. A new 10 year contract with Comcast was renegotiated through 2008-2009 and signed in February 2009. Cable services through Comcast include broadband internet and a franchise agreement for cable television.

In addition, FairPoint offers DSL and Verizon offers FIOS internet services in Fremont.

## **Recommendations**

### Water

1. Implement plans and action found in the Water Resource Management and Protection Plan.
2. Anticipate, and possibly promote shared water systems within the Corporate Commercial Zone

### Sewer

1. Maintain disposal facility contract with Waste Management of New Hampshire and Turnkey.
2. The Town should conduct research into the possibility of limited aggregate and waste disposal techniques for densely developed areas, particularly in the Corporate Commercial Zone
3. Continue to educate residents on Septic system function and maintenance.

### Solid Waste Disposal/Recycling

1. Maintain Recycling contract with Waste Management of NH to best serve the needs of the town and its citizens.
2. Continue to foster the beneficial trend in MSW tonnage and costs by continuing the toter program and encouraging recycling. The Town should continue to monitor the benefits of the program through calculations such as those found in Figure 2.
3. Continue to maintain Fremont's relationship with the SRRDD 53-D solid waste disposal district.