



Original 50 hp pump #1



Replacement 75 hp pump #2

In 2009 the Town of St. Johnsbury completed extensive upgrades to the water storage, pumping and distribution systems. To increase available water storage and improve pressures the Airport Hill Tank was replaced with a new tank at a 50 ft higher overflow elevation.

Replacement of the two pumps in the Breezy Hill pump station, which serves the Airport Hill boosted zone, was necessary in conjunction with the tank replacement project. The existing 25 hp and 50 hp units were replaced with new 75 hp pumps. Suction and discharge piping was upgraded and the existing concrete equipment pads were replaced.

The project also included constructing a building addition for chlorine feed equipment, new chlorine injection and monitoring, a new electrical service, new motor control centers and new instrumentation.

KEY FEATURES

- Control valves for surge relief, pressure reduction and pressure relief/sustaining.
- Electrically actuated butterfly valve on pump discharge for surge control.
- 135 kW LP gas standby generator.
- Security/Fire/Smoke/Flood alarm system.
- New Remote Terminal Units for remote monitoring of flow, pressure and alarm status.