

In Recognition of the Littleton Energy Conservation Committee's Pellet Boiler Installation at the Littleton Highway Garage

- ◆ Primary objective was to lower fuel costs at municipal buildings that were using heating oil. And the desire to replace fossil fuels with some type of renewable resource
- ◆ Committee researched various alternative fuels and visited many installations before concluding that a micro-district wood-pellet system was optimal for this particular situation
- ◆ System consists of two Froling P4 Model 60 wood–pellet boilers and a 400 gallon buffer tank housed in an energy pod with an external pad-mounted 30 ton wood-pellet storage silo
- ◆ Each boiler is rated 200,000 MBH with a maximum gross output of 400,000 BTU's per hour; can modulate down to as little as 60,000 BTU according to heat demand
- ◆ Heated water is piped separately to the Highway Garage and Fire House via underground pipes; with the capacity to expand to include the Police Station in the future
- ◆ Total cost for the system was \$132K, which did not include the Town excavating and backfilling the trenches for the underground piping
- ◆ Project was supported by the Board of Selectmen and Budget Committee and a 2013 warrant article received overwhelming voter support (68%)
- ◆ System was installed by Froling Energy of Peterborough NH (www.FrolingEnergy.com) in May and commissioned in September
- ◆ Highway Department personnel have been trained on the operation and maintenance of the system; minimal maintenance was a primary consideration in heating system selection
- ◆ Estimated net savings is \$15,000 annually (dropping from \$25K to \$10K), or about \$300,000 over the minimum system life of 20 years. Estimate was based on current use, 2012 costs of oil v. wood-pellets, with an annual projected 3% increase for each type of fuel. Estimate did not include what it would have to cost to simply replace the aging oil boilers. Estimated pay-back is 8 to 9 years

Pellet Boiler Ribbon Cutting Event

Selectman Marghie M. Seymour, Budget Committee Chairman

Steve Kelley and Executive Councilor Raymond Burton

Photo Credit The Littleton Courier

