



## Plymouth Regional High School — SAU 48

Plymouth, NH

# Biomass Boiler Retrofit Burning PDCs



### Project Description:

- Two years prior, voters downed an expensive green wood chip boiler system that would have heated the High School and Technical Center and an adjacent elementary school.
- Then performance contractor EEI proposed a much more cost effective semi-dry wood chip system wrapped into a budget neutral total energy upgrade. Voters said YES!

***The lower cost of PDCs and the boiler system that burns them made this project viable!***

- A Viessmann Vitoflex 300 UF Model KPT-720 Dry Chip/Pellet Boiler with a maximum net heat output of 2.457 million BTU/hr.
- The steel storage silo holds 42 tons of Semi Dry Wood Chips or Froling Energy's PDCs
- A buffer tank integrated with the boiler holds 2,000 gallons of hot water.
- Two 1 million BTU Viessmann LP Gas boilers were also installed as peaking/back up boilers.

