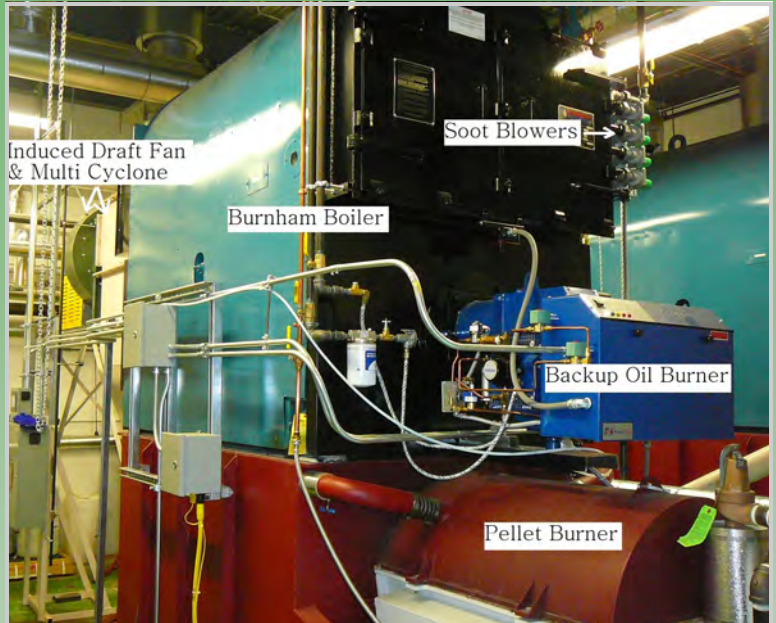
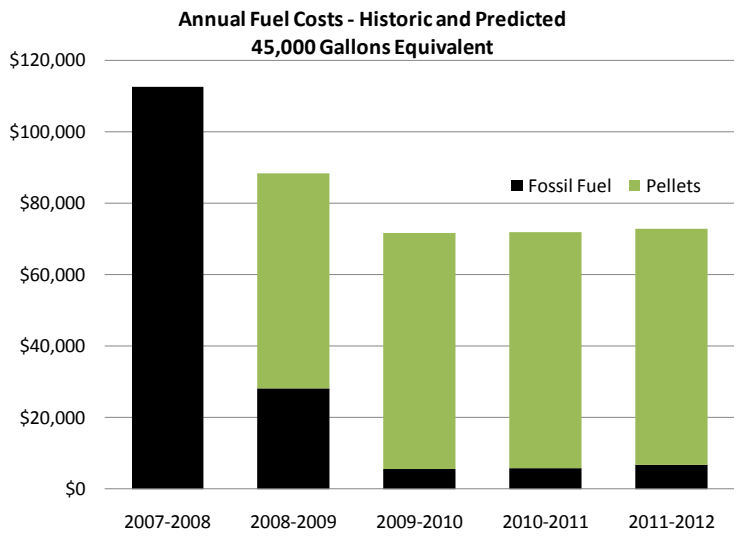


HIGH-TECH MANUFACTURING PLANT 200,000 SQ FT + IN SOUTHERN NH



PROJECT SUMMARY:

BURNER/BOILER:	SOLAGEN/BURNHAM
OUTPUT (BTU/kW):	2 @ 1.94MM/570
ANNUAL FUEL USE:	350 TONS
FUEL STORAGE CAPACITY:	38 TONS
EMISSION CONTROL:	MULTI-CYCLONE
INSTALLATION DATE:	NOVEMBER, 2008
PAYBACK:	5 YEARS



THIS WOOD PELLET FIRED HEAT PLANT PRODUCES LOW PRESSURE STEAM FOR PERIMETER HEATING IN A 200,000 SQ FT + HIGH TECH MANUFACTURING FACILITY. INSTALLED IN 2008, THESE TWO BOILERS HAVE THE ABILITY TO BURN #2 HEATING OIL OR WOOD PELLETS. PELLETS ARE USED AS PRIMARY FUEL SINCE THE COST OF OIL HAS REMAINED HIGHER THAN WOOD PELLETS SINCE PUT INTO OPERATION. THE CONVERSION TO BURN OIL REQUIRES ABOUT 10 MINUTES TO COMPLETE BEFORE THE BOILER CAN BE BACK UP AND RUNNING ON A DIFFERENT FUEL. MAINTENANCE IS REQUIRED ABOUT ONCE A WEEK FOR ASH HANDLING AND DISPOSAL. THESE DUAL FUEL BOILERS ARE PERMITTED THROUGH THE NH DES AND COMPLY FULLY WILL ALL CURRENT EMISSIONS REGULATIONS FOR EITHER FUEL. FUEL IS DELIVERED ONCE EVERY TWO WEEKS DURING THE HEATING SEASON AND STORED IN THE 38 TON BIN. REPLACING THE OLD INEFFICIENT OIL FIRED BOILERS HAS SAVED OVER \$100K IN THE FIRST FEW YEARS OF OPERATION, AND IS EXPECTED TO PAY BACK IN LESS THAN FIVE YEARS.

INSTALLED BY: BIOMASS COMMODITIES, ECONOMY PLUMBING & HEATING, OWNER ELECTRICIANS

