

New Horizons Goes Green

New Horizons for New Hampshire Inc., at 199 Manchester St. in the Queen City, recently unveiled its new solar/natural gas heating and air conditioning system — a \$249,000 makeover that replaces an antiquated oil-burning system with one that is estimated to be 40 percent more efficient.

BOB LaPREE PHOTOS / UNION LEADER



At New Horizons, Chris Noble, left, of Pardigm Plumbing and Heating, general contractor, and Mike Miville, right, and Fabio Spreafico of Robur Industries, discuss the new HVAC system, which does not burn oil. The natural gas and solar sources use five solar panels and a collector system with 240 gallons of potential hot-water storage. The old system at the Manchester Street facility used an antiquated, oil-fired steam boiler connected to steam heating units. New Horizons expects to save 40 percent in operating costs.



Part of a new HVAC system at New Horizons for New Hampshire is an array of five solar panels on the roof, which help replace the building's entire heating and hot-water and energy distribution system with natural gas and solar as the only fuel sources. Eighty percent of the building's duct work is new, although existing ducts were utilized where possible.



Jeff Lapoint, left, of F.W. Webb Co., general contractor, and Fabio Spreafico, of manufacturer Robur Industries, discuss the operation of the new, high-efficiency system at New Horizons that eliminates the use of oil.