REDUCING COSTS AND ACHIEVING VALUE WITH VRF SYSTEMS

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Built in 1952, the Hollis Primary School, New Hampshire was in dire need of retrofitting. With no insulation, thin walls and single-pane windows, the facility was a relic of antiquated construction practices and an uncomfortable learning environment. Rather than spending an estimated 17 million dollars to construct a new school building, the school board formed the Hollis Schools Thermal Electrical Project (HSTEP). This group includes community members and engineers dedicated to improving comfort and sustainability in the school district.

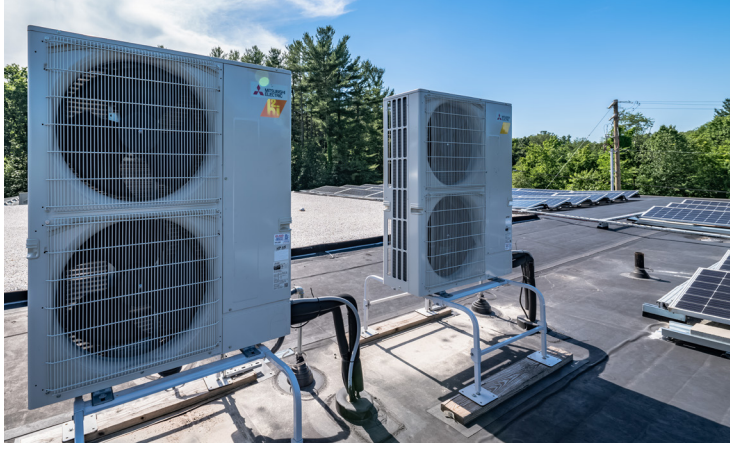
Working with HSTEP, the school board recruited Dick Henry, director, DDH Energy Consulting, LLC to modernize the current facility. Their plan: fully insulate the building, install photovoltaic panels and use air-source heat pumps from Mitsubishi Electric Trane HVAC US (METUS) to cost-effectively and sustainably modernize the school.

VRF SYSTEMS FOR:

COST SAVINGS

"The HVAC load factor for a school lines up very nicely with the delivery and generation pattern of a solar installation and gives real economic benefits with air-source heat pumps. If you use solar power behind the meter to power heat pumps, not only are you getting the full value of offsetting the 16.5 to 20 cents kilowatt charge you're paying from the grid, you are dramatically reducing your oil consumption. Also, the cost of electricity, by and large, is less volatile than the cost of fossil fuels. If you're a school trying to budget for the next five to ten years, you'll have a better idea of your likely costs."

—Dick Henry, director, DDH Energy Consulting



SUSTAINABLE EFFICIENCY

"What's exciting for me on this project is that it highlights how communities can dramatically reduce carbon footprints and energy consumption by incorporating Mitsubishi Electric heat pumps when retrofitting buildings such as schools."

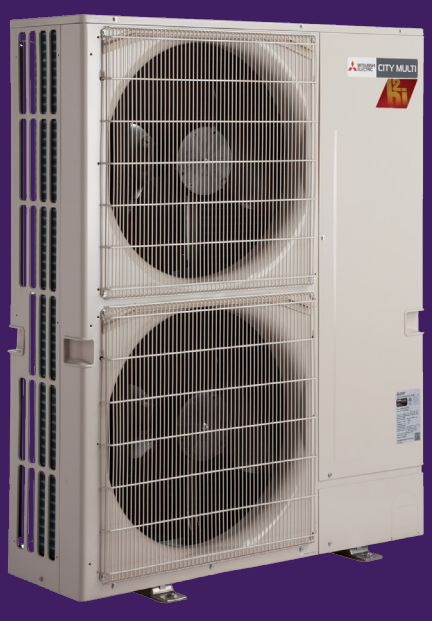
—Dana Fischer, area manager, METUS

For more examples and information on the financial benefits of installing VRF systems, read our latest White Paper, "Reducing Costs and Achieving Value with VRF Systems".

S-SERIES (PUMY) NOW WITH HYPER-HEAT

With winter just around the corner, building owners expect a drastic spike in their utility bills, not to mention cold, uncomfortable temperatures. The updated S-Series (PUMY) with Hyper-Heating INVERTER® (H2i®) technology from METUS is ready for the challenge. Engineers and contractors can confidently specify the new PUMY H2i in a variety of light commercial applications.

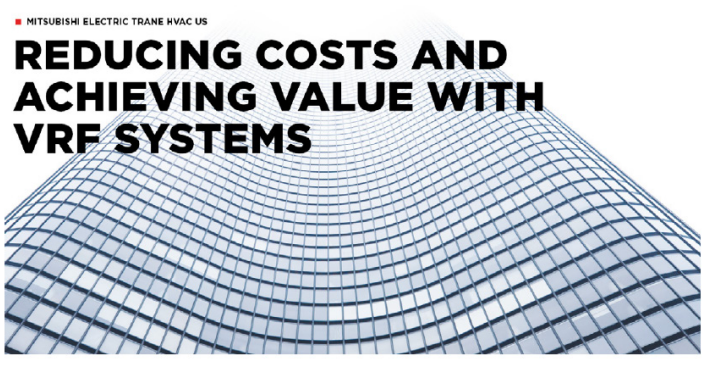
Part of the CITY MULTI® family of energy-efficient, INVERTER-driven products, the PUMY is a single-phase heat pump sure to bring comfort in any season. PUMY 3- and 4-ton models, now available with H2i technology, offer up to 100% of rated heating capacity at 5° F and performs at 78% of rated capacity in temperatures as low as -13° F.



ADDITIONAL FEATURES

- ENERGY STAR® certified
- Utilizes CITY MULTI Controls Network
- Heats and cools up to 12 individual zones with multiple indoor unit options

UPCOMING WEBINAR



REDUCING COSTS AND ACHIEVING VALUE WITH VRF SYSTEMS

January 15, 2020, 2 - 3 p.m. EST

This presentation with *ASHRAE Journal* will address the mislabeling of VRF systems as "expensive" and explains how building owners can realize cost savings and create competitive advantages throughout the system's life cycle.

REGISTER TODAY