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Variable Speed Rotary VRF

**Details:** Added simulation performance curves for variable speed rotary compressor VRF condensing units. With this addition, BSO now offers three types of performance models for VRF: variable speed rotary, variable speed scroll, and digital scroll.
Waterside Economizer for Air-Cooled Chiller Plants

**Details:** This feature models a cooling tower used for direct cooling duty alongside air-cooled chillers, when ambient conditions allow. Integrated and non-integrated configurations are supported. This complements existing features for water-cooled chiller plants.
Details: The Utility Rate Wizard has been updated with 2014 EIA rates for gas and electricity. (2014 data was the latest available).
Interoperability Among Wizards

1. Weather location automatically selects EIA utility rates (where available)

2. Building type automatically selects equipment operating schedule

Automatic selections can be overridden
Import into Carrier Hourly Analysis Program

**Details:** Projects created in Building System Optimizer (BSO) can now be loaded into Carrier HAP. Once imported, full HAP capabilities can be used.

This facilitates scenarios where schematic design was done in BSO but further detailed design or analysis is required.
Bugs / Corrections

The following problems were corrected:

1. **Building Wizard** – When a wall, roof, or window assembly created in the detailed user interface was selected in the Building Wizard, the overall U-value was shown as zero. In addition, an error occurred when generating the Building Wizard input report. These were cosmetic errors; inputs were reliable for use in load calculations and energy simulations.

2. **Utility Rate Wizard** – When price data for remote steam was entered, it was incorrectly assigned to remote hot water.

3. **Reports** – Under specific conditions an “Error 521: Unable to open clipboard” error occurred when generating certain reports.
QUESTIONS?

For questions or assistance, please contact Carrier Software Systems at

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Thank you!