Carrier

United Technologies

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BUILDING SYSTEM OPTIMIZER

v1.50

NEW FEATURES GUIDE

Carrier Software Systems
Carrier Corporation
Syracuse, New York

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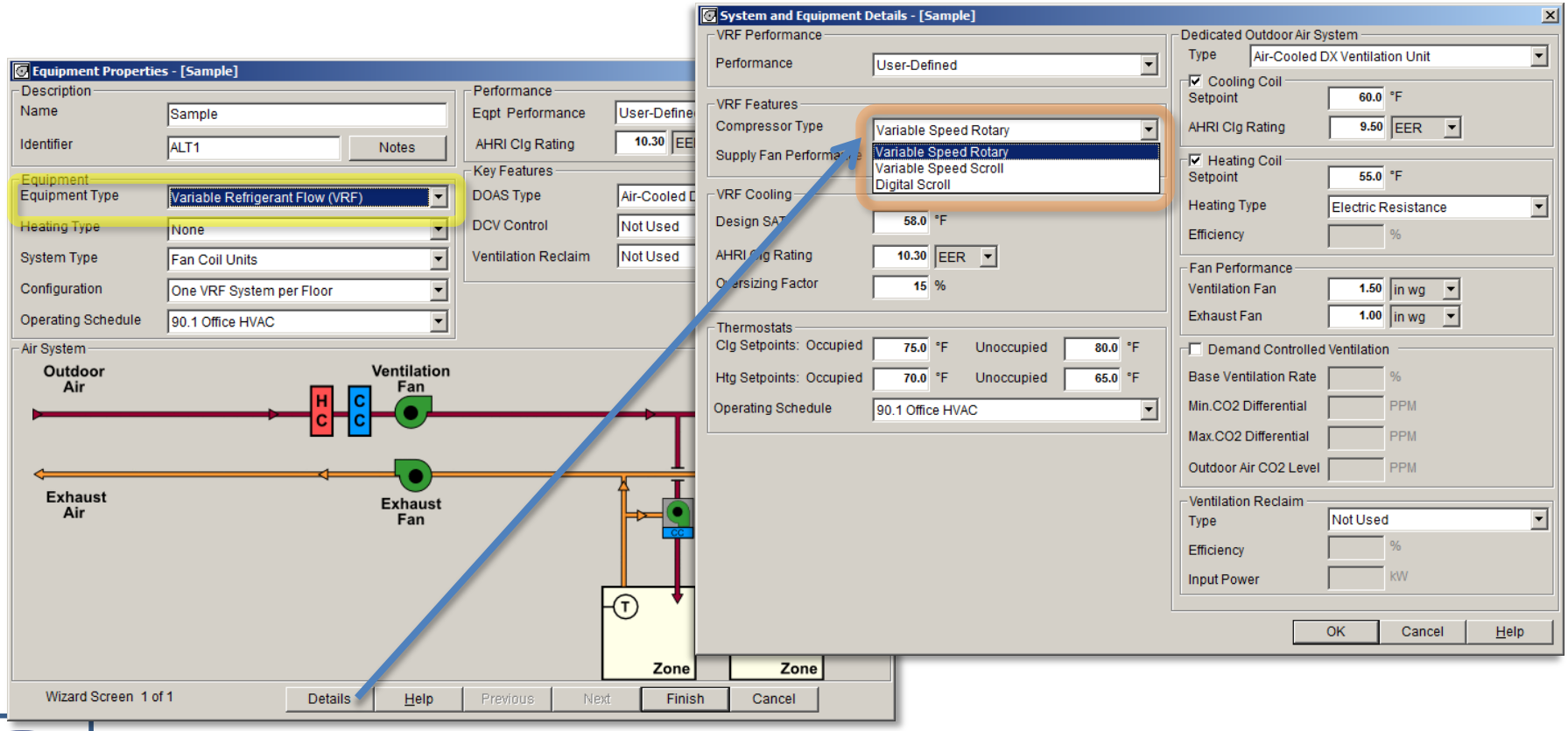
Contents

Variable Speed Rotary VRF

BSO 1.50

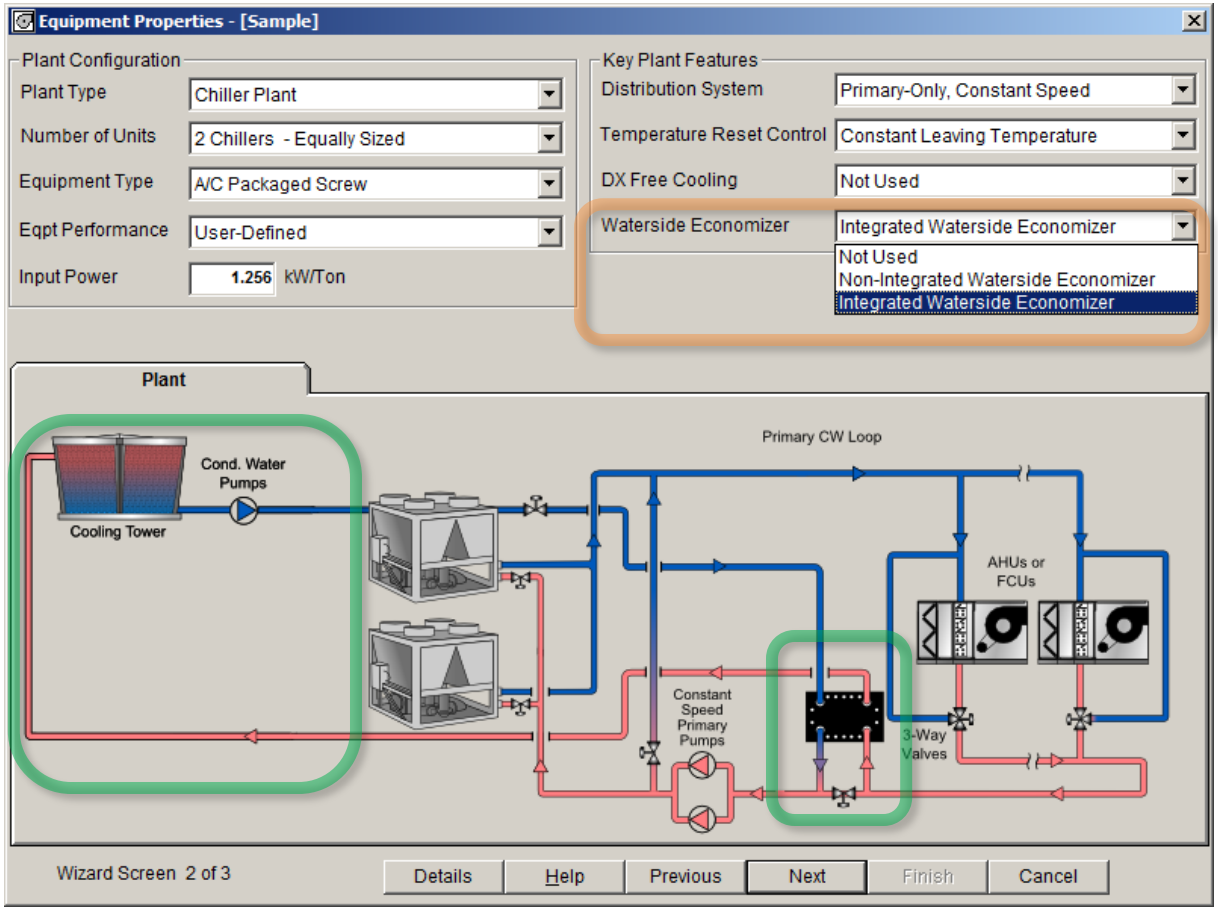
***Details**: Added simulation performance curves for variable speed rotary compressor VRF condensing units. With this addition, BSO now offers three types of performance models for VRF: variable speed rotary, variable speed scroll, and digital scroll.*



Waterside Economizer for Air-Cooled Chiller Plants

BSO 1.50

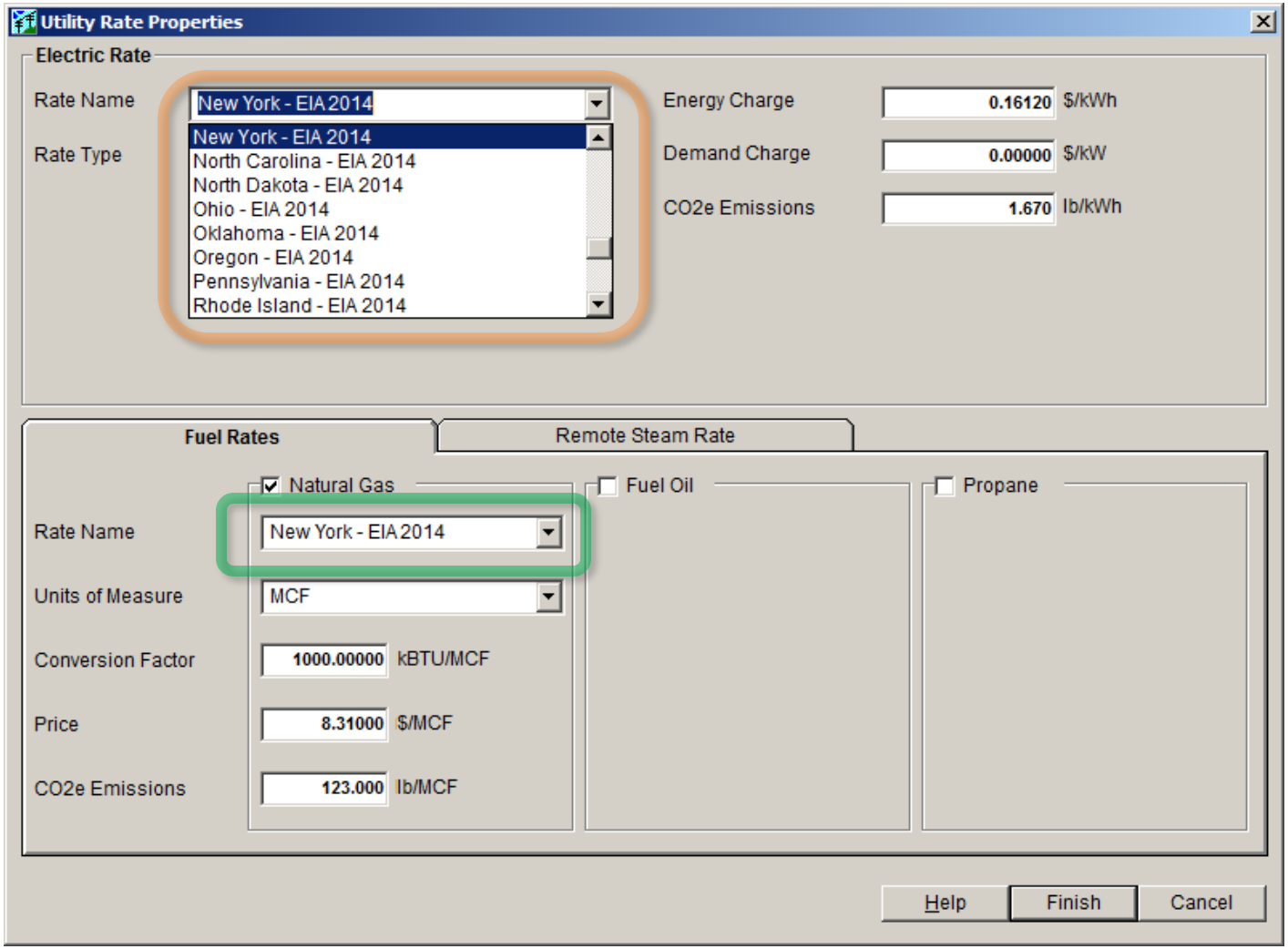
***Details**: This feature models a cooling tower used for direct cooling duty alongside air-cooled chillers, when ambient conditions allow. Integrated and non-integrated configurations are supported. This complements existing features for water-cooled chiller plants.*



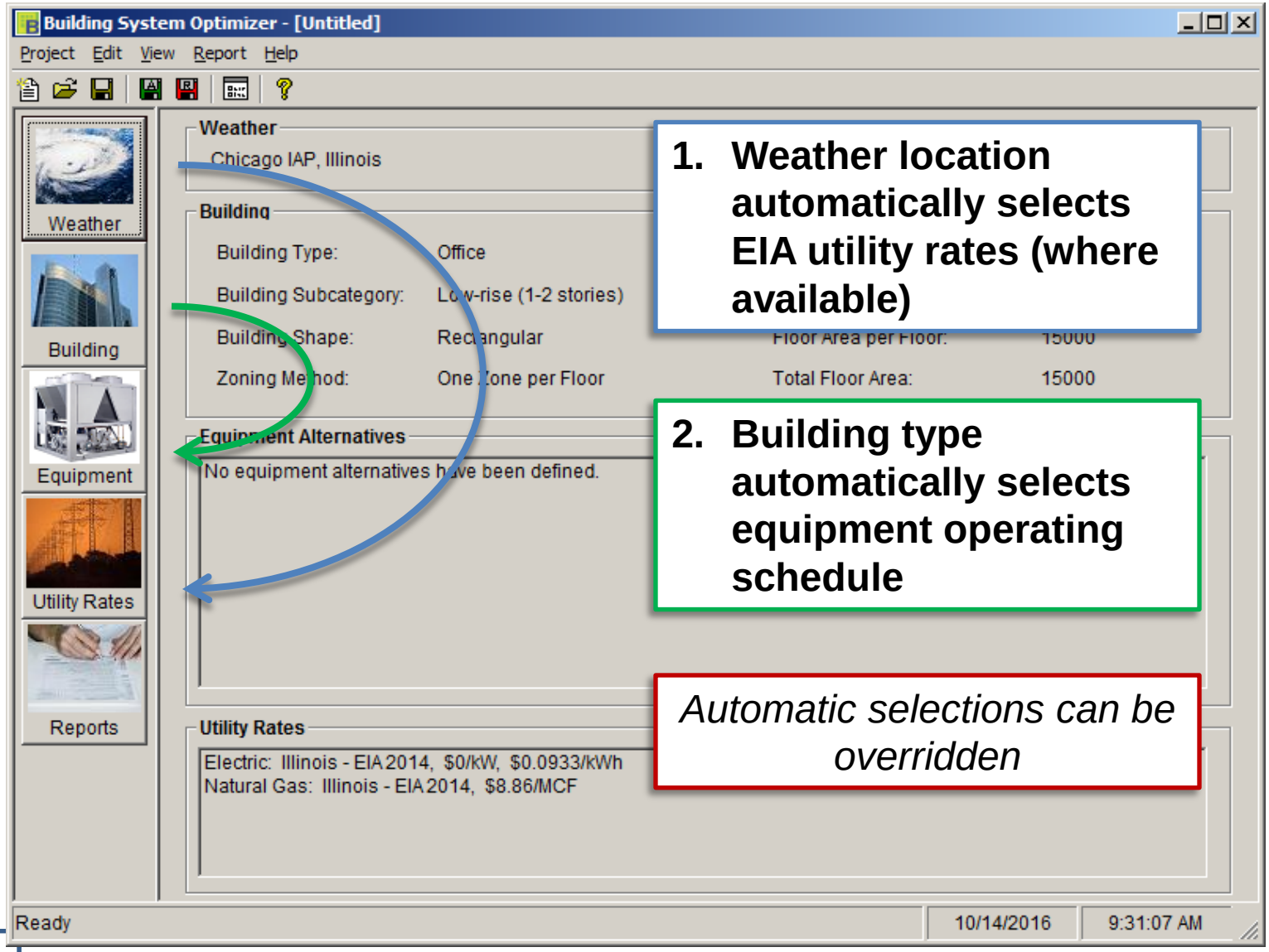
US Energy Information Administration (EIA) Rates

BSO 1.50

***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**

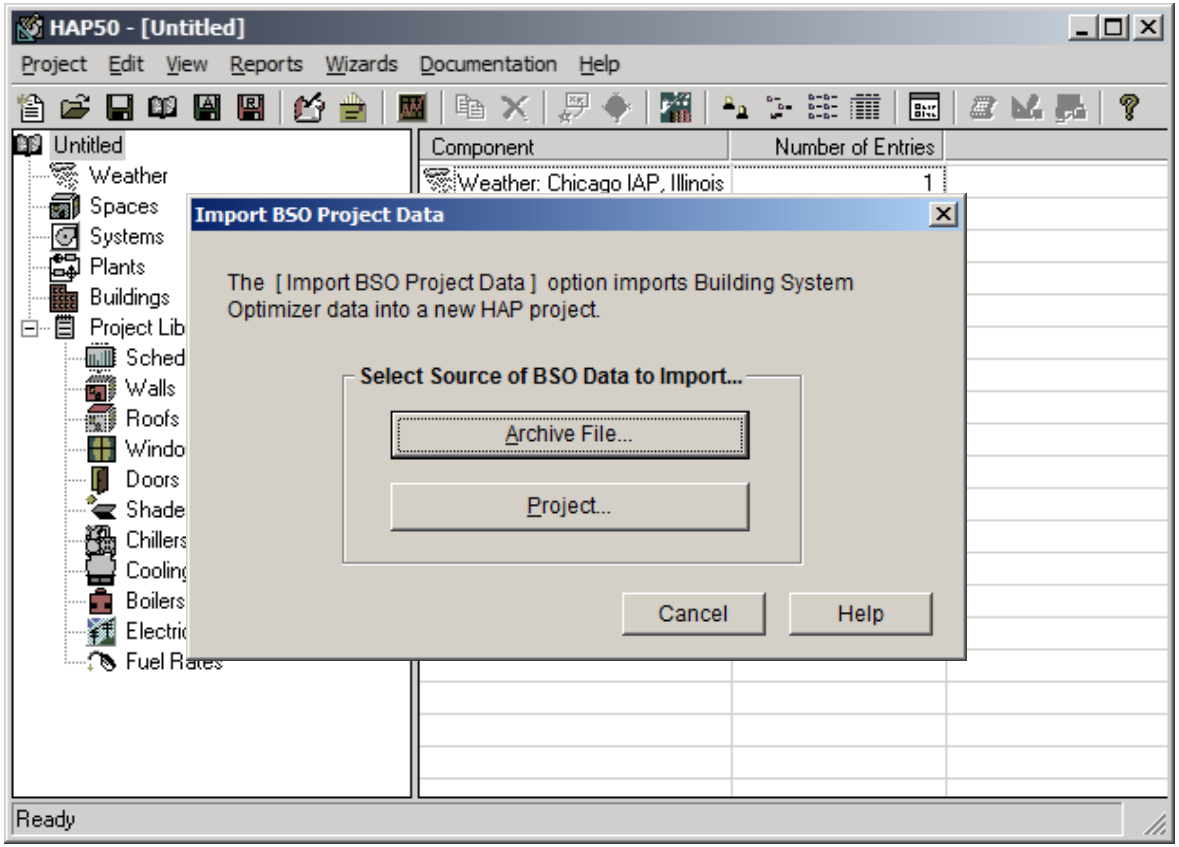
Automatic selections can be overridden

Import into Carrier Hourly Analysis Program

BSO 1.50

***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.



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Bugs / Corrections

BSO 1.50

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.

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QUESTIONS?

For questions or assistance, please contact Carrier Software Systems at

software.systems@carrier.utc.com

Thank you!