



Why do we need an energy model?



- Analyzing raw data can be tricky
- · There is no way to know for sure if the value we read is meaningful or not
- Exceptions get forgotten and will not make sense a few months after the fact (Thanksgiving Monday)
 - · Visually interlacing influencing factors is hard and inconclusive



From: what influences my energy?











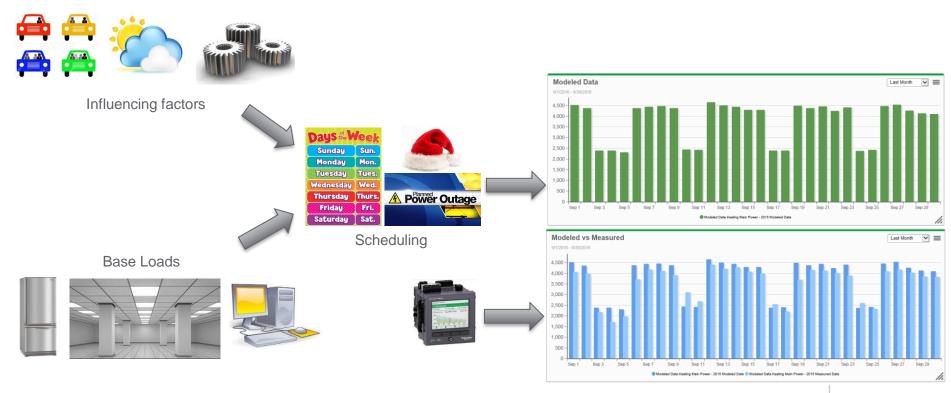




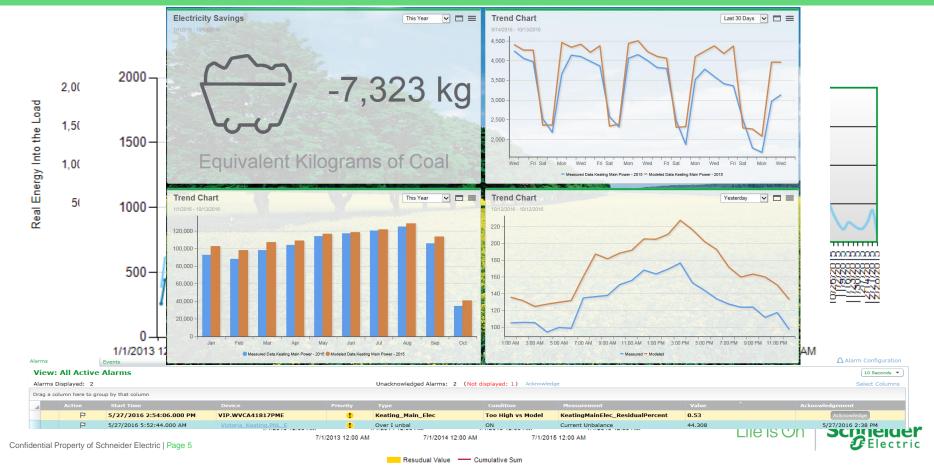




To: lets create an energy model



Example: Building retrofit



Feature list

- Multi-Variable Linear Regression Engine
- Supports Sub-Models to use different models for different TOU or uses a Database driven approach
- Allows different regression and reporting aggregation interval
- Exception Period Table to "Discard" Period(s) or assign specific data to different a Sub-Model
- Fully customizable Sub-Model and Exception Periods Control files (XML)
- Measured VS Modeled Graphics as well as Residual and Cumulative Sum graphics
- May insert result back to Database for further use in Dashboard, Reports, Trends, VIP
- Hierarchy Support for the dependent variable
- Ability to insert "Saving Coefficients" when using the Model to verify savings or set objectives



Benefits for you

- Understand better what influences your energy usage
- Quickly identify deviation from the optimum scenario
- Get automatically notified / alarmed if deviation is above a certain limit
- Quantify savings or losses brought up by any system/behavior change
- Integrate saving objectives into the models to drive for changes
- Meet the ISO 50001 standard thanks to the automated data collection and processing of models

Keep in mind that the models are as good as your data. Keep it clean and tidy!





Life Is On Schneider