

UI Solutions Group's

Load Forecasting Module



*Available typically
as part of our
Revenue Solution*

As energy efficiency, customer behavior, and distributed energy resources integrate into utilities load, Load Forecasting is becoming increasingly challenging. As a result, our clients must better understand these trends and relationships to predict their future load more accurately.

UI's Load Forecasting Module is a robust platform that **forecasts customer count, usage, and peak demand** to support short and long-term planning and regulatory functions.

UI'S LOAD FORECASTING MODULE ENABLES UTILITIES TO:

- ▶ **Improve forecast accuracy:** Integrate customer detail source data to capture key segmentations and more accurate data normalizations.
- ▶ **Offer transparency to complex load forecasting process:** Allow users to analyze multiple scenarios to better understand variability based on changes in drivers. Enable clients to create customizable reports that are necessary for different filings.
- ▶ **Provide precise visualizations of data:** Empower users with visualization capabilities via a flexible and intuitive platform to make strategic adjustments with integrated data.
- ▶ **Support critical planning processes through seamless integration:** Allow analysts to produce load forecasts that support capacity expansion planning for IRP and revenue forecasting.

COMPONENT EXAMPLES

Our **Load Forecasting Module** can be configured with robust components, including:

Load Data Management:

Manages the import and organization of Load Forecasting data within UI solutions.

Regression Analysis:

Establishes the relationship between a dependent (Usage Load) and several independent variables with statistical analysis of historical data. The variables derived from this statistical analysis can be utilized in forecasting usage and customer count.

Weather Normalization:

Correlates loads and helps estimate the load forecast. Weather data includes temperature, historical trends, wind factors (if applicable), etc.

The Power of Integration: UI's Load Forecasting Module integrates with other modules, ensuring data accuracy and saving time.

