Spatial Awareness tab

The spatial awareness tab displays geographic information within a 10 mile / ~16 km radius from the selected Source node. This information includes infrastructure, ownership, territories, restricted lands and more. This tab supports the interconnection engineering process for interconnection analysis and evaluation of infrastructure with competing projects. Click any map feature to access detailed descriptions.
Historic Prices tab

The Historic Prices tab aims to support business development and financial assessment for the site. This tab populates with 5 years of hourly LMP history for the Source and Sink nodes that were selected. The Source node populates with 5 years of prices and components. The tab also populates with 5 years of history for the Source LMP versus the Sink LMP to measure hub basis risk. All information can be filtered for different time views, can be aggregated for different statistical measures, and can be aggregated for different time granularities. The bottom row of visuals is designed to quickly aggregate hourly values for specific types of analysis such as negative hour congestion, which may represent curtailments, or basis hours with a positive spread only. All data can be downloaded to .csv format.
Forecast Prices tab

The Forecast Prices tab leverages the industry-leading fundamental forecast from ABB's Advisors. This forecast is unbiased, forecasts market clearing prices for zones where the Source node resides, and will estimate prices out for 25 years. This is updated every six months (usually in spring and fall). This tab shows the forecast down to a monthly granularity. More detailed forecasts for all North American zones, and a comprehensive report can all be purchased from ABB separately (details). The forecast includes a base scenario along with other market scenarios to account for uncertainty in the markets. These additional scenarios often account for higher than expected or lower than expected fuel prices or other market influences such as emissions taxes, stronger generation penetrations, or other regulatory influences. This data cannot be downloaded, but can be purchased as part of the North American Power Reference Case.
Gross Revenue Projections tab

The Gross Revenue Projections tab is designed to support project assessment with basic, but detailed, revenue analysis. The tool calculates aggregated Locational Marginal Price (LMP) data for historic years. It compares this information to forecast prices to determine how this location's pricing differs from the zonal price forecast. Then the differential is applied to forecast prices and calculated based on the expected size of the project and modeled NREL generation profiles that ABB has identified for each area. This allows users to get estimates for project financials depending on type of generator placed at this site by time of year and peak type. Because of the variation in project costs, this is only a gross projection instead of a net projection. All data can be downloaded in .csv format.
Competition and Permits tab

The Competition and Permits tab allows users to assess the interconnection queue reported by the Independent System Operator for counties within a 10-mile radius of their interconnection area. ABB analysts map this information to specific substations and generator names to enhance the analysis for end users. This tab also displays potential permits that may be needed for the project based on the state where it will be built. Our team researches permits needed by individual power plants while also researching general permits that may be needed. While this won’t tell you exactly what permits you need for your project, it will help you understand what permits other power plants needed, what permits you still may need, and who to contact to get the process moving. All data can be downloaded to .csv format.
Power Transactions tab

The Power Transactions tab displays the major purchasers of wholesale power within a 50-mile radius of this desired location. This data is reported to the Federal Energy Regulatory Commission by selling companies who report on the assets that they operate. The goal of this tab is to allow users to review purchases made by major load serving entities. This can be the best representation for the price of power. Users can analyze who is buying the power, who is selling, how the transaction is structured, the point and zone of delivery, how much power was purchased and for what cost. We chose to include this analysis for the last four quarters of reports, because it adds transparency into all types of transactions beyond what can be reviewed just in an Independent System Operator. It also allows users to better understand how their potential power purchase agreement may compare to other transactions in this area. NOTE: there are commonly also separate corporate or industrial purchasers who feed energy to a specific site. Our goal is to give users data on the largest purchasers for clarity into most transactions in the area. All data can be downloaded to .csv format. More detail can be found for all data points in this tab in the FERC EQR Data Dictionary.
Service
If you have issues logging in to the tool or accessing your information please contact our customer support:
Insights-support.pges@abb.com