

**Underpinning your every decision is the trust that your data is accurate and well sourced. But collecting data, and ensuring its precision, to accurately model the energy ecosystem takes precious time and resources.**

Our Simulation Ready Datasets are extensively researched and meticulously sourced by our global team of experts, so that you can start modelling with confidence on PLEXOS and PLEXOS Cloud. Our datasets are designed to be easily customised, updated with the latest industry data, and incorporate information from public, regional, and government sources.

This fundamental dataset provides an up-to-date view of the electricity market, giving you insight into demand/supply balance, security of supply, market prices, flows, and more. This timely dataset can provide peace of mind by allowing you to uncover almost any electricity scenario and its impact on your operations or investments.



## Designed for:

Policies, and utilities and project developers to evaluate their development plans:

- ▶ **Distribution utilities (Discoms)** for optimizing their portfolio with price forecast and to schedule day ahead generation optimally
- ▶ **Independent Power Producers** to evaluate their investment decisions with assets
- ▶ **Project developers** for making profitable investments
- ▶ **Consultants** seeking a base case to build their own scenarios
- ▶ **Traders** to maximize profit with proper bidding strategy
- ▶ **Asset valuation** for OEM's New Technology (Eg. Hydrogen, Battery storage) Evaluation for Project developers

## India Dataset includes:

- ▶ A fundamental view of Indian Electricity Market drivers - supply, demand, new generation, retirement, outages
- ▶ A detailed market simulation
- ▶ Historical calibration – back cast against market actual data
- ▶ Out-of-the-box forecast scenarios of potential market outcomes to Fiscal Year 2024

## Featured highlights of the India Dataset for PLEXOS include:

1	State specific renewable generation shapes
2	Demand Forecast for the complete Indian Power Grid Topology (5 regions) till Fiscal year 2024 at 15 min interval
3	Back cast – Hourly calibrated against actual generation, capacity and price for Historical year
4	<p><b>Detailed representation of India infrastructure, including:</b></p> <ul style="list-style-type: none"><li>• Generator facilities modelled along with Interstate transmission lines</li><li>• All power plant characteristics modelled: heats rates for thermal units, forces outage rates, maintenance rates, fixed operating and maintenance costs (FOM), variable operating and maintenance costs (VOM), start-up costs, start-up attributes, capacity rating (min and mx), minimum up and down time, commissioning and de-commissioning dates of generators, ramp rate</li></ul>

### Sources Include:

Primary sources used include CEA, POSOCO, National Power Portal and IEX

**With our Simulation Ready Datasets you get faster start-up and decision making, accuracy and reliability, drastically lower internal costs when compared to developing your own – giving you quicker time to insight.**

### Energy Exemplar datasets are always:

- ▶ Publicly sourced
- ▶ Thoroughly documented with extensive release notes provided
- ▶ Extensively tested and calibrated
- ▶ Up-to-date



## Take the Next Step

Learn more or schedule a meeting at

[www.energyexemplar.com](http://www.energyexemplar.com)