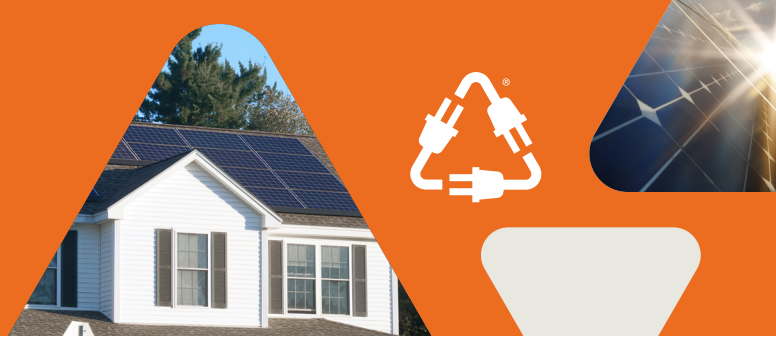




SolarAnywhere® FleetView®

Behind-the-meter PV generation insights to inform gross load calculations and distribution planning



- ✓ Produce reliable gross load estimates
- ✓ Rely on SolarAnywhere's industry-proven solar data model
- ✓ Support PV production estimates at the desired level of granularity

“FleetView provides us with accurate and site-specific solar production simulations of historical and real-time production for every PV system in our territory. This helps us unmask gross load, plan for the future and bolster continued reliability of the distribution system.”

Scott Placide
Manager, DER Engineering
Exelon (Atlantic City Electric, Delmarva Power and Pepco)



SolarAnywhere® FleetView® models production of distributed PV fleets to cost-effectively support utility load-balancing requirements

Electric utilities are facing the challenge of maintaining grid safety and reliability amidst accelerated adoption of behind-the-meter (BTM) solar PV systems. Accurate power flow analysis and distribution planning studies are critical for utilities to serve their gross load safely and reliably.

SolarAnywhere® FleetView®, a web-based solar data service, combines PV system specifications and best-in-class SolarAnywhere® irradiance data to create time-series simulations of historical, real-time and forecasted energy production from PV systems.

FleetView provides a reliable and affordable alternative to production metering infrastructure without compromising accuracy. FleetView PV production forecasts are updated every 30 minutes and can be pulled directly into your control rooms to inform operational decision making. SolarAnywhere irradiance data combined with industry-trusted PV power models capture the spatial and temporal variability of PV production across your service territory at the desired granularity.

With SolarAnywhere FleetView You Can...

- ✓ **Improve the accuracy of your power flow analyses** – Accurately account for the impact of distributed PV production on networks with high PV penetration
- ✓ **Better inform capacity planning** – Generate site-specific, per-system PV production profiles or aggregate to the feeder or substation levels
- ✓ **Make more cost-effective operational decisions** – Reliably estimate current, day-ahead or week-ahead energy supply from distributed PV
- ✓ **Integrate an enterprise-class solar API** – Integrate historic, real-time or forecasted PV production data into existing software platforms using a secure, easy-to-use API

With Additional Modules You Can...

- ✓ **Plan equipment upgrades and non-wires alternatives for your distribution system** – Estimate PV adoption propensity by customer segment and forecast future (10+ year) PV production on your distribution system
- ✓ **Account for decarbonization goals in your long-term distribution planning** – Understand PV adoption potential and perform scenario-based analysis of grid impact
- ✓ **Fill reporting gaps** – Generate representative PV production profiles for unrecorded, behind-the-meter systems using existing AMI data feeds

FleetView Product Specifications

Access	Historical, real-time and/or forecast weather data and PV power simulations	
Access Point	API, SFTP	
Time Period¹	1/1/1998 through 14-day ahead forecast	
Geography¹	Global	
Spatial Resolution	Standard: 10 km Enhanced: 1 km High: 0.5 km	
Temporal Resolution	Standard: 1-hour Enhanced: 1-hour, 30-minute, 15-minute High: 5-minute	
PV System Data Options	PowerClerk integration, Clean Power Research PV specification inference model or custom file import	
Data Fields	<p>Irradiance</p> <ul style="list-style-type: none"> GHI DNI DHI Clear sky irradiance <p>Weather</p> <ul style="list-style-type: none"> Temperature Wind speed Snow depth Relative humidity Precipitation Surface albedo 	<p>Power Modeling</p> <ul style="list-style-type: none"> AC energy (kWh) AC power (kW) DC power (kW) Clear sky power (kW) Plane of array irradiance (POAI) Fixed tilt, single-axis trackers, backtracking Snow losses Bifacial PV
Options	Get any data needed for your application through our seamless API. Additional options include Typical Year (TGY, TDY) and historical forecasts (Hindcasts).	

¹ See [SolarAnywhere Geographic Coverage Area](#) for more details.



Software services from Clean Power Research help solve the energy industry's most challenging problems. Our mission is to power the worldwide energy transformation with trusted, adaptable and efficient solutions.

For more than 20 years, leading utility and energy enterprises have trusted Clean Power Research to deliver innovative solutions that inform, streamline and quantify energy-related decisions and processes. We're proud that our customers include the top 10 Fortune 500 utilities, as well as many of the world's largest renewable energy companies.

