



- ✓ Unlock the value of production meters for a fraction of the cost
- ✓ Enable advanced analyses to leverage DERs as non-wires alternatives
- ✓ Improve grid reliability through increased operational awareness
- ✓ Reduce engineering and IT burden with scalable simulation data

“FleetView provides us with accurate and site-specific solar production simulations of historical and realtime 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
(Former) Manager, DER Engineering,
Exelon (Atlantic City Electric, Delmarva Power and Pepco)

Inform distribution planning and operations through scalable, dependable DER data and insights.

Electric utilities are facing unprecedented challenges as the rapid growth of behind-the-meter distributed energy resources (DERs) such as solar PV and electric vehicles redefine the requirements to plan, operate and maintain a reliable grid. The use of traditional forecasting and planning practices in the new distributed energy landscape leads to blind spots in grid operations and uncertainties in distribution planning.

FleetView is a scalable data and insights platform designed to support distribution system planning, engineering, and operations. Using dependable data sources and bottom-up modeling, FleetView provides distributed generation simulations that seamlessly aggregate meter-level insights at any level – from feeders to substations and beyond. This enables planners to unmask hidden generation and load, engineers to seamlessly scale DER impact analyses, and operators and energy service providers to better understand grid edge conditions.



With FleetView You Can...

- ✓ **Improve Load Forecasting** — Generate accurate net load estimates by first unmasking gross load from behind-the-meter DER generation.
- ✓ **Enhance Power Flow Analysis & Grid Resilience** — Model DER performance under normal conditions and extreme weather scenarios.
- ✓ **Support Operational Decision-Making** — Optimize grid control using reliable, bottom-up distributed generation forecasts.
- ✓ **Streamline DER Interconnection & Planning** — Evaluate the impact of operational, in-queue, and proposed DERs for regulatory reporting, capacity planning, cost allocation, dynamic interconnection, and non-wires alternatives.





Why FleetView?

- ✓ **Grid-Level Aggregation** — Seamlessly aggregate individual DER simulations at any grid level, supporting both distribution and bulk power system planning.
- ✓ **Scalable Simulations** — Modern data pipelines and advanced cloud computing ensure simulations and insights scale with DER growth.
- ✓ **Seamless Integration with Utility Systems** — Bridge the gap from interconnection to operational intelligence through integrations. Automatically synchronize with PowerClerk or 3rd party interconnection management systems to incorporate DERs as they come online and deliver simulation data where it is needed, such as ADMS, DERMS, VPPs, and more.
- ✓ **Advanced Insights** — FleetView leverages decades of advanced weather modeling to support probabilistic DER performance analysis, including extreme weather scenarios.
- ✓ **High-Resolution Time-Series Data** — Simulate historical and forecasted PV production from 1998 up to 14 days ahead, with 15, 30, or 60-min temporal resolution and 1km spatial resolution.



Who Benefits from FleetView?

- ✓ **Distribution System Operators** — Improve grid edge awareness, grid reliability, and operational efficiency with distributed generation forecasts.
- ✓ **Load Forecasters** — Enhance forecast accuracy by incorporating granular DER data to unmask gross load.
- ✓ **Distribution System Engineers** — Support power flow analysis, interconnection planning, and infrastructure investment decisions with detailed DER modeling.
- ✓ **Grid Edge Aggregators** — Optimize distributed resource management and grid services through seamless integration with forecast DER data.



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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.

