



Executive Overview: As transmission interconnection study cycles extend beyond 5 to 8 years, the **AixEnergy Large Load Intelligence Monitor** equips infrastructure investors, utilities, and developers with an empirical analytical foundation to evaluate where, when, and whether large electric loads will energize. Covering >1,100 projects representing >260 GW across NYISO, PJM, ERCOT, and MISO, the platform bridges filed queue data directly with substation transformer headroom, bulk transmission interface limits, queue milestone velocity, and state regulatory proceedings.

>260 GW	Turnkey	1-Click	Monthly
TRACKED PIPELINE DEMAND	CAPACITY MODEL EXPORTS	EXECUTIVE PROJECT DOSSIERS	QUEUE DELTA TRACKING
>1,100 active requests across NYISO, PJM, ERCOT & MISO	Ready-to-run modifiers for PLEXOS, Aurora & EnCompass	Automated 2-page diligence project dossiers on demand	Audited change detection, milestone velocity & alerts

CORE APPLICATION MODULES & ANALYTICAL WORKFLOWS

1. Interactive Geospatial Explorer (GIS Map)

High-performance vector GIS map overlaying 69–765 kV transmission circuits, substations, utility territories, and candidate POIs. Filter dynamically by ISO, zone, industry sector (data centers, manufacturing, hydrogen), study milestone stage, and requested MW capacity.

3. Energization Probability Scoring Engine

Convert speculative interconnection asks into empirical, probability-weighted MW and commercial operation dates (COD). Evaluates milestone progression velocity against regional ISO medians, study progression, substation bank readiness, and regulatory permitting hurdles.

5. Interactive What-If Scenario Sandbox

Stress-test custom grid planning assumptions in real time. Adjust queue attrition haircuts, compress study timelines, or simulate on-site behind-the-meter (BTM) firm generation, solar, and battery storage to evaluate net coincidental grid draw.

2. Substation Headroom & POI Siting Triage

Inspect candidate POI substations with transformer bank thermal ratings, peak load observations, and utility hosting capacity. Screen physical delivery feasibility and identify thermal upgrade constraints prior to committing substantial interconnection deposits.

4. Capacity Expansion Exporter (PLEXOS / Aurora)

Download turnkey, model-native CSV files containing probability-weighted zonal peak and energy load additions (2026–2035). Pre-formatted for seamless ingestion into PLEXOS, Aurora, and EnCompass capacity expansion runs without manual conversion.

6. 1-Click Executive PDF Dossiers & Change Audit

Generate publication-grade 2-page project due diligence PDF memos on demand in seconds. Automated monthly change detection systematically audits newly filed requests, milestone advancements, capacity modifications, and cancellations across all tracked ISOs.

TARGET ROLES & TRANSPARENT COMMERCIAL PRICING

Built for Institutional Power & Infrastructure Teams

- **Power Market Modelers:** Ingest turnkey, probability-weighted load modifiers directly into PLEXOS, Aurora, or EnCompass without manual data wrangling.
- **Infrastructure Funds & PE:** Screen candidate projects, verify transformer headroom, and benchmark milestone velocity before site acquisitions.
- **Data Center Developers:** Benchmark interconnection lead times, evaluate curtailable interconnections, and monitor utility regulatory dockets.
- **Electric Utilities & Planners:** Reconcile customer load inquiries against transmission interface limits, zonal deliverability, and historical attrition.

Enterprise Platform Subscription

\$1,500 / seat / month

Transparent enterprise SaaS subscription. Complete platform access with continuous data updates.

- ✓ **GIS Map Explorer:** Multi-ISO pipeline, substation & interface tools
- ✓ **1-Click Model Exporters:** Turnkey PLEXOS, Aurora & EnCompass CSVs
- ✓ **Executive PDF Dossiers:** Automated 2-page project due diligence memos
- ✓ **Scenario Sandbox:** Custom queue attrition & BTM generation runs
- ✓ **Ingestion Audits:** Continuous queue delta tracking & alert logs
- ✓ **API & Team Controls:** Programmatic REST API & role-based permissions

Explore the Live Platform: monitor.aixenergy.io · **Schedule a Walkthrough:** Brandon N. Owens · bowens@aixenergy.io

Clean Energy Research, LLC dba AixEnergy · Instant PLEXOS/Aurora Export · Multi-ISO Transmission Coverage · \$1,500/seat/month