
S&P Global
Energy

CSM+

S&P Global Energy Gaslytics Case Studies

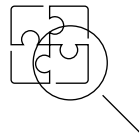


Trader



Need

Gas traders operate on speed and accuracy — in a market where prices move in minutes, stale data costs positions. Delayed pipeline flows, blind spots across regional infrastructure, and data locked in rigid platforms mean traders are often reacting to moves rather than anticipating them. Without a single, reliable source of truth, validating whether a flow anomaly is a real signal or just a seasonal pattern becomes a manual, time-consuming exercise.



Challenge

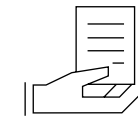
A regional constraint builds on a key Appalachian takeaway route during a demand spike. With his current tool covering only 190+ pipelines and a 24-hour data lag, the basis spread moves before a position can be acted on. The signal was there — the coverage wasn't.



Solution & Workflow:

S&P Energy Gaslytics helps Gas Traders to:

- **Catch regional imbalances early** with near real-time flows across 300+ pipelines and ~50,000 meters — 2.5x more coverage than leading competitors
- **Validate signals with confidence** using 21 years of historical flow data back to 2005
- **See the full picture** — production, demand, imports, exports, and intrastate flows across 40+ geographic delineations in one unified view
- **Plug into existing workflows** via API, Snowflake, Databricks, or Redshift — no manual exports, no lag



Result

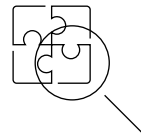
With Gaslytics, traders now use one platform. Near real-time flow data across 2.5x more meters than his previous tool means he sees the Appalachian constraint forming — not after it's moved the market. His morning prep drops from 45 minutes to under 10. His firm consolidates two vendor contracts into one. And with 21 years of historical flow data, his models validate faster and price risk tighter.

Analyst



Need

Energy analysts are only as credible as the data behind their models. Forecasting supply shifts, tracking demand trends, and publishing market outlooks requires deep historical context, granular geographic coverage, and a dataset consistent enough to build on. Fragmented sources, shallow history, and surface-level production data introduce errors that compound — and undermine the analysis before it reaches a decision-maker.



Challenge

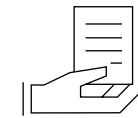
A supply forecast is due ahead of a major storage report. An analyst tracking Haynesville production needs to assess whether a recent flow decline reflects a genuine curtailment or a temporary pipeline disruption. With only 5 years of historical data and limited producing area granularity, there's no reliable baseline to compare against — and the outlook goes out with a caveat instead of a conviction.



Solution & Workflow:

Our S&P Energy Gaslytics helps Analysts to:

- **Build credible baselines** using 21 years of daily pipeline flow data back to 2005 — enough history to isolate true supply shifts from noise
- **Drill into 100+ modeled producing areas** for granular production intelligence beyond surface-level estimates
- **Cross-reference demand, imports, exports, and intrastate flows** across 40+ geographic delineations in one consistent dataset
- **Deliver analysis faster** with interactive charts, filterable data grids, and 23 curated datasets — all in one platform



Result

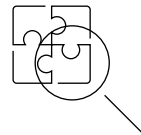
One platform replaces 3+ vendor sources, eliminating reconciliation overhead. With 2x the producing area coverage and 21 years of data, forecasts carry more conviction — and fewer wrong calls means real cost avoided upstream.

Tech teams/ Developers



Need

Data engineers supporting energy trading and analytics teams are expected to deliver reliable, production-grade data— but most of their time goes to maintaining them. Multiple vendor feeds with inconsistent schemas, incompatible regional definitions, and data locked inside SaaS interfaces means developers are writing transformation scripts and reconciliation logic instead of building. Every new data source added is another point of failure.



Challenge

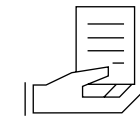
A data engineering team is building a centralized internal dashboard combining pipeline flows, production, demand, and regional balances for their trading and analyst desks. They're pulling from two separate vendor feeds with mismatched geographic definitions and different update cadences. The result: fragile data ingestion, weeks lost to reconciliation, and historical depth too shallow to support the forecasting models the quant team needs.



Solution & Workflow:

Our S&P Energy Gaslytics helps Tech Teams and Developers to:

- **Ingest via a single programmatic source** — API and SDK access with native connectors to Snowflake, Databricks, and Redshift
- **Eliminate reconciliation overhead** with 23 curated datasets under one consistent taxonomy and 40+ standardized geographic delineations
- **Cover the full dataset in one feed** — 300+ pipelines, ~50,000 meters, production, demand, imports, exports, and cross-border flows
- **Backtest and train models reliably** with clean, gap-free historical data back to 2005



Result

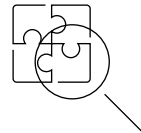
Standardized schemas across the entire dataset cut maintenance significantly, freeing the team to ship the internal dashboard faster. With 21 years of clean historical data accessible programmatically, the quant team's forecasting models train without gaps — and the data engineering team stops being the bottleneck.

Integrated G&P Operators



Need

Integrated gas and power operators manage both the physical movement of gas and the commercial decisions around it — simultaneously. They need to balance pipeline capacity, monitor producing area output, track cross-border flows, and anticipate demand shifts across multiple geographies in real time. Fragmented data across midstream, upstream, and demand-side systems means operational decisions and commercial positions are uncoordinated.



Challenge

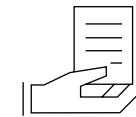
A G&P operator managing gathering systems across the Permian and Midcontinent needs to optimize daily nominations while their commercial desk is pricing long-term capacity contracts. Operations is tracking local throughput constraints; commercial is modeling forward supply availability. Both teams are pulling from different tools with different update frequencies and geographic definitions. Nominations get misaligned, capacity is mispriced, and resolving the discrepancy takes hours the market doesn't give them.



Solution & Workflow:

Our S&P Energy Gaslytics helps Integrated G&P Operators to:

- **Align operations and commercial teams** on one consistent dataset — same pipelines, same producing areas, same update cadence
- **Monitor throughput and constraints in near real-time** across 300+ pipelines and ~50,000 meters to support accurate daily nominations
- **Model supply availability with precision** using 100+ producing area forecasts and 21 years of flow history to price capacity and structure contracts confidently
- **Track cross-border flows, intrastate movements, and sector-level demand** across 40+ geographic delineations for a true end-to-end market view
- **Feed operational systems directly** via Snowflake, Databricks, Redshift, or API — no manual exports between teams



Result

Operations and commercial work from the same real-time data, eliminating nomination misalignments and the costly reconciliation that follows. Capacity contracts are priced on 21 years of flow history and 100+ modeled producing areas — not assumptions. One platform replaces siloed tools across both functions, cutting data overhead and reducing the risk of decisions made on mismatched information.

Contact Us:

Email us at support.energy@spglobal.com to learn more.

CONTACT US

The Americas

+1-800-752-8878

EMEA

+44(0)-20-7176-6111

Asia-Pacific

+65-6530-6430

OFFICE LOCATION

spglobal.com/offices

S&P Global
Energy

spglobal.com/energy