

## Catalog of Monitoring Data and Indices

### Data Categories

- Resource characteristics (e.g. resource type, fuel, maximum and minimum operating levels, heat rates, etc.)
- Resource ownership and control
- Resource bids and self-schedules
- Market schedules and dispatches
- Virtual bids and schedules
- Metered generation data
- System load forecasts and actual loads
- Market prices and quantities
- Congestion prices and shift factors
- Settlements data
- Natural gas price indexes
- Cap and trade price indexes
- Western electric price indexes
- Resource outages and de-rates
- Default energy bids
- Bid mitigation
- Congestion revenue rights
- Operator adjustments
- Operator logs

## **Monitoring Indices**

- Market prices and costs (by market, product, time period, region)
- Congestion impacts on prices
- Market shares and revenues by participant
- Bid prices (aggregate and by participant)
- Bid prices vs. estimated costs (bid-cost mark-up)
- Residual supply index
- Availability of resource adequacy during peak periods
- Estimated competitive baseline energy prices and market costs
- Price-cost markup (market costs vs. competitive baseline)
- Impact of virtual bids on CRR revenues (by participant)
- Screens for potentially anomalous or anti-competitive behavior (confidential)