The Intelligent Platform
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David O’Brien
Vice President, Regulatory Solutions
Its About the Network
An Enabling Platform

- Visibility and Control at the Edge
- Two Way Power Flow
- Supporting Dynamic Interactions
  - DER (Micro-Grids, DG, EV’s)
  - Customer Empowerment
- Distribution Level Market
- Policy Attainment
  - Reliability, System Efficiency, CO2...
High Level Ecosystem

- Regulators
- Bulk System (ISO)
- Direct Access Customers
- 3rd Party Service Providers

Platform
Scope and Roles

ISO
- “Wholesale” Energy and Capacity
- “Wholesale” Ancillary Services
- “Wholesale” Market Administration

Dist. Platform
- Basic and Value Added Services
- “Retail to Wholesale” Aggregation
- “Retail” Market Administration

Customers
- Direct Access (Individuals)
- 3rd Party Service Providers

Grid Operations
- Wide Area View
- Bulk Operations (115 kV and above)
- Central Generation Management

Market Operations
- “Wholesale” Energy and Capacity
- “Wholesale” Ancillary Services
- “Wholesale” Market Administration

Regional/Local View
- T/D/Microgrid Ops (115 kV and below)
- DER Management

“Premise” View
- “Premise” or Microgrid Operations
- DER Operations

“Premise” View
- “Premise” or Microgrid Operations
- DER Operations