

# **US ISO Governance**

**Summary & Observations** 

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### ISO governance represents a significant change

### **General Observations**

### Good governance goals exist

- Open access encourages democracy and market based solutions
- Inclusive process and eliminate market power
- Educate broader set of stakeholders regarding markets, operations and public policy
- Identification of issues and exploration of alternatives
- Consensus building Is this a realistic goal?

### Governance success is a function of structure AND participants' willingness to work together

- A bad structure can result in positive change if the stakeholders desire
- A perfect structure can result in a failure because of stakeholders or other externalities
- Similar to other companies, ISO governing board and management should be the primary custodians of governance

#### Governance exists at two levels

- Governance among stakeholders/ISO processes (e.g., to formulate proposed changes to market rules)
- Governance of ISOs themselves (e.g., ISO Board/ISO Management/State PUCs/FERC)

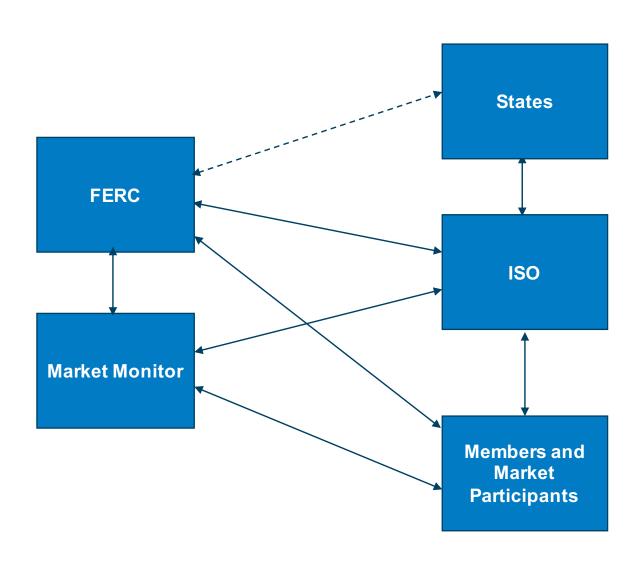


## Stakeholder governance varies significantly among the US ISOs

- Use of Committee Structure: From none (CAISO) to many with some very procedurally structured
- Footprint Range: From single State ISOs (CAISO, NYISO and ERCOT) to very large multi-state diverse geographic footprint (e.g., MISO and PJM)
- Retail: Some have significant retail restructuring, some have none, and others are mixed
- History: Some evolved from tight power pools (ISO-NE, NYISO and PJM)
  while others had no history to build off
- Control Area Size: From ~30,000 Mw → 150,000+ Mw
- FERC Jurisdiction: One ISO <u>not</u> under FERC jurisdiction
- Most FERC-jurisdictional ISOs have Federal Power Act (FPA) Section 205 rights over their governing documents, although two do not (NYISO & PJM)
- This diversity results in different processes to enact change



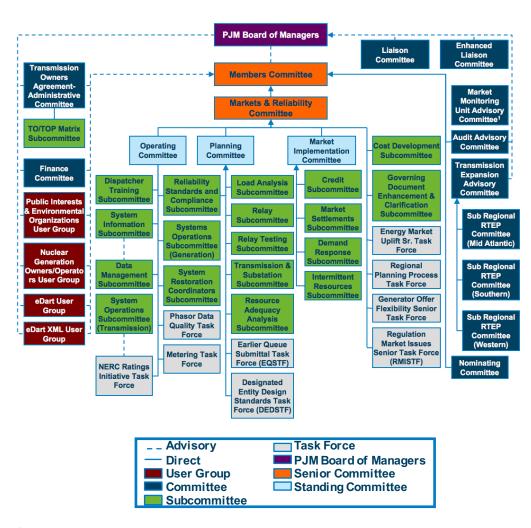
# Similar to other companies, ISO Board and CEO should be the primary custodians of governance





# Stakeholder committee organizational charts vary

**PJM CAISO** 



<sup>&</sup>lt;sup>1</sup>the MMUAC is an independent group that does not report to the PJM Board or Members Committee

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# Voting structure varies at senior standing committees

#### **CAISO**

- No participant committee structure nor voting
- Market Surveillance Committee

### **ERCOT Technical Advisory Committee (restricted membership)**

- Consumer (6)
- Cooperative (4)
- Independent Generator (4)
- Independent Power Marketer (4)
- Independent Retail Electric Provider (4)
- Investor Owned Utility (4)
- Municipal (4)

### MISO Advisory Committee (restricted membership)

- Transmission Owners (3)
- Transmission Developer (1)
- Coordination Member (1)
- Eligible End-Use Customers (3)
- Environmental & Other Stakeholder Groups (2)
- Independent Power Producers (3)
- Municipals / Cooperatives / Transmission-Dependent Utilities (3)
- Power Marketers (3)
- Public Consumer Groups (2)
- State Regulatory Authorities (4)



# Voting structure varies at senior standing committees

### **NEPOOL Participants Committee (broad membership)**

- Alternate Resources (14.375%)
- End Users (17.125%)
- Generation Owners (17.125%)
- Publicly Owned Entities (17.125%)
- Suppliers (17.125%)
- Transmission Owners (17.125%)

### NYISO Management Committee (broad membership)

- End-use Consumers (20%)
- Generation Owners (21.5%)
- Other Suppliers (21.5%)
- Public Power and Environmental Interests (17%)
- Transmission Owners (20%)



# Voting structure varies at senior standing committees

### **PJM Members Committee (broad membership)**

- Electric Distributors (20%)
- End-Use Customers (20%)
- Generation Owners (20%)
- Other Suppliers (20%)
- Transmission Owners (20%)

### **SPP Members Committee (restricted membership)**

- Investor Owned Utilities (6)
- Cooperative (5)
- Municipals (2)
- Independent Power Marketers (3)
- State Power Agencies (2)
- Federal Power Marketing Agency (1)
- Alternative Power/Public Interest (2)
- Independent Transmission Company (1)
- Large Retail Customer (1)
- Small Retail Customer (1)



### The pace of change varies significantly

- Some initiatives can be completed in a short time however some have taken more than 10 years
- An example of a change that varied significant from inception to completion is FTR "strip" or "balancing" auctions
  - Discussions on improving FTR markets began in '04-'05 (i.e., balancing auctions) in PJM, ISO-NE and NYISO
  - PJM implemented Balance of Planning Period auctions in 2006
  - MISO implemented Multi-Period Monthly Auctions in 2013
  - ISO-NE and NEPOOL stakeholders agreed on market design changes in 2010, however nothing has been implemented due to credit issues
  - NYISO has yet to implement changes due to technology issues
- FERC, the ISOs and stakeholders all have significant influence over the pace of change
  - Veto power by stakeholders exists in some cases
  - FERC open dockets have put some stakeholder processes on hold
  - The ISOs have limited budgets/staff so stakeholder ideas compete for time/money and ISOs prioritize
- The goal is efficient market solutions; not a fast rate of change



# Stakeholder processes can be resource intensive

- Stakeholder governance requires market participant and ISO commitment
  - Some ISOs have more than 300 meetings per year
  - Meeting attendance varies from a handful to well over 100 persons
- There are several layers to enacting change and/or resolving disputes
  - The committee process, where they exist, is the first level and most commonly used
  - Several ISOs have specific Alternate Dispute Resolution (ADR) mechanisms (e.g., mediation and/or arbitration)
  - Direct appeal to the ISO Board (e.g., CAISO, NYISO, PJM User Group)
  - Ultimately FERC and the courts have the final say



# Governance varies significantly among the US ISOs

### ISO-NE/NEPOOL process forces communications and compromise

- ISO-NE has FPA Section 205 rights over its governing documents
- NEPOOL (i.e., the participants) can also file separately and when NEPOOL disagrees with ISO-NE, there is a two-filing approach called 'jump ball'

### NYISO and stakeholder have a shared governance system

- NYISO does not have FPA Section 205 rights over its governing documents
- Various arms of the State government have been involved (e.g., Governor's Office, Department of Public Service, Consumer Protection Board)
- Stakeholders have the ability to appeal a Management Committee decision directly to the Board (oral argument), however this has been used only a handful of times over its history

### MISO governance is both voluntary and advisory

- MISO has FPA Section 205 rights over its governing documents
- 15 years after the start of MISO, the committee structure is being re-examined and various changes are being enacted to make the process more efficient
- The Markets Committee of the Board is an open (almost monthly) discussion among Board members, senior staff and external market monitor of relevant and timely issues



### Governance varies significantly among the US ISOs

### PJM and stakeholders have a shared governance system

- PJM does not have FPA Section 205 rights over its Operating Agreement, but does have FPA Section 205 rights over its Tariff
  - There is a requirement that the Tariff and the Operating Agreement each have an identical copy of the market rules
  - Veto power exists over Tariff/Operating Agreement changes in the stakeholder process (i.e., if there is one-third of 'no' votes, then proposal fails)
  - The sector selection process allows marker participants to self-select their sector
    - A number of public power entities, end-use customers and transmission owners have selected the Other Supplier sector
    - One financial participant has selected the End-Use Customer sector
  - Some coalitions have formed that result in a significant number of votes being cast by a single individual
- Interests of a minority can be brought to the Board through a User Group

### Southwest Power Pool (SPP) stakeholders are limited by SPP's membership restrictions

- SPP has FPA Section 205 filing authority over its Tariff
- Stringent membership requirements
  - Despite a robust structure of working groups, the stakeholder outcomes tend to be homogeneous
- Member companies can hold more than one vote on Markets and Operations Policy Committee (MOPC)



## Governance varies significantly among the US ISOs

### ERCOT stakeholder process fosters active participation from industry representatives at all levels

- The Texas State Commission has primary jurisdiction over retail and wholesale activities in ERCOT
- Market participants on the Technical Advisory Committee (TAC) make policy recommendations to the ERCOT Board of Directors
- ERCOT is governed by a "hybrid" Board comprised of 5 independent members; 3 consumer representatives; 5 representative from industry market segments
- Open interaction helps drives operational and market transparency
- Stakeholder process has resulted in few appeals to the Board or State Commission

### CAISO has a very simple governance system

- CAISO has FPA Section 205 filing authority over its Tariff
- The stakeholder process has no committee structure and no voting occurs
  - CAISO Staff lead initiatives and are vetted through a series of proposals, meetings, and stakeholder comments
- Market Surveillance Committee is independent from the market participants and has an advisory role to the Board and CAISO CEO
- CAISO staff has decision making authority on the sequencing of approved projects and has the final say on policy recommendations to the Board