

Exploring Western Organized Market Configurations: A Western States' Study of Coordinated Market Options to Advance State Energy Policies

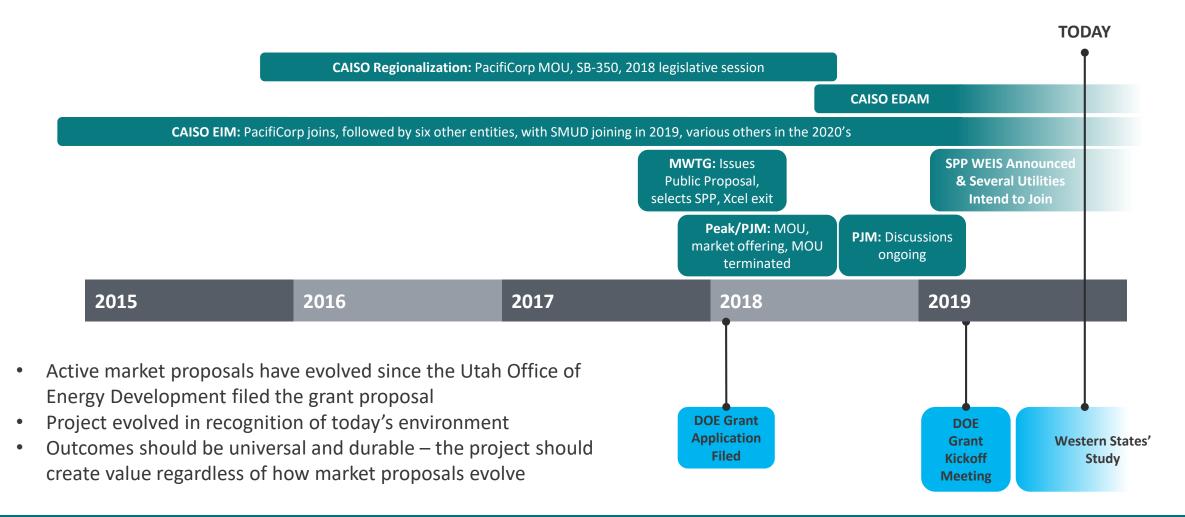
NASEO 2019 Annual Meeting Panel Discussion: Western Electric System Regionalization Opportunities and Options September 17, 2019

# **Presentation Outline**

- Historical context and current status of wholesale energy market developments in the West
- Summary of project and why it is being undertaken
- Example of issues being considered by states
- Project schedule and stakeholder engagement

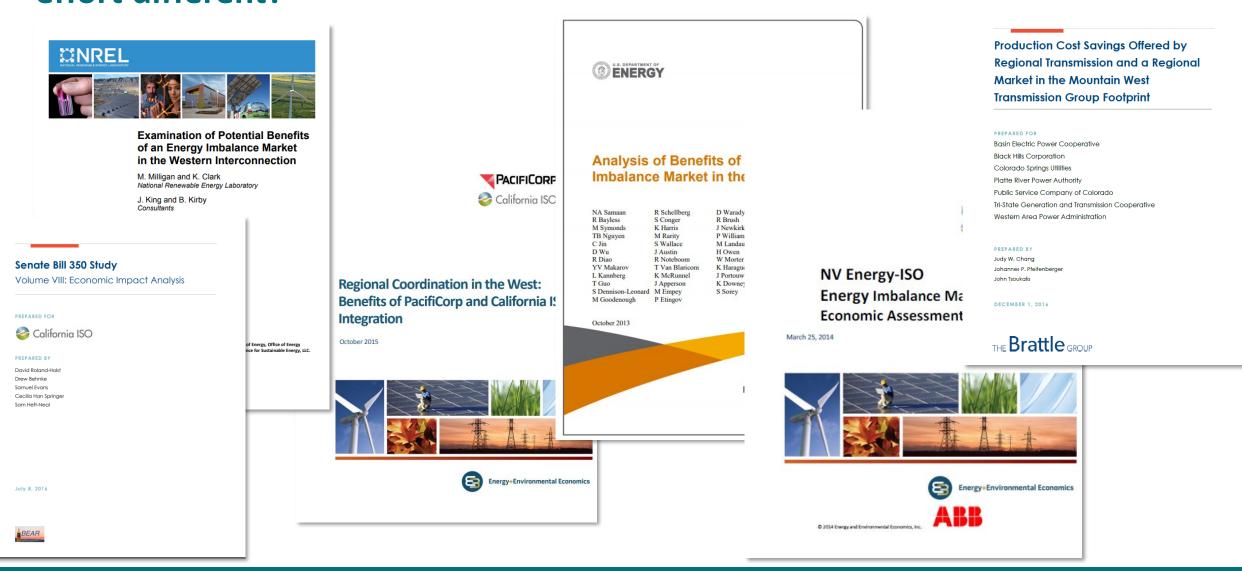


# **Regionalization Efforts and Timing**





# No shortage of market benefits studies in the West. What makes this effort different?

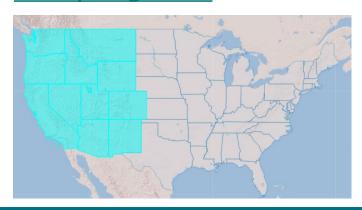




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# Summary of the "State-Led Study"

- **Premise:** Decision-makers in Western States need a neutral and transparent forum to evaluate market options
- **Project goal:** Facilitate a neutral forum, and neutral analysis, for Western States to independently and jointly evaluate the options and impacts associated with new or more centralized wholesale energy markets and their footprints
- **Participating States:** 11 Western States



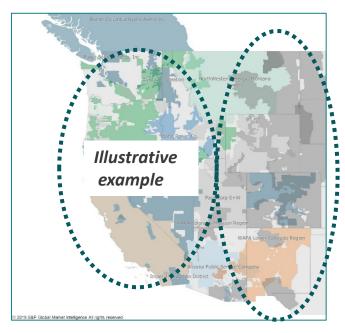
**Key Players:** Lead Team or "the states"; Lead Team Support (contractor and Utah Office of Energy Development); Stakeholders (everyone else; hopefully utilities, NGOs, and others that can provide useful *quidance*)

#### Scope:

- Regular interstate **stakeholder engagement** that includes utilities, non-governmental organizations, State and Federal agencies
- **Technical Modeling:** Estimate relative operational benefits associated with a subset of organized market configurations identified by participating states; studied under common framework
- **❖ Market & Regulatory Analysis:** Create "Market Factor Scorecard" for states to use in evaluating future market proposals: energy market offerings, ancillary services, seams issues, transmission planning, transmission cost allocation, public policy considerations, and stakeholder processes.

# To demonstrate the complexities of this project: Examples of issues that states are or will be grappling with...

## **Assumed market footprints**



# Footprints to calculate benefits...

- ☐ State
- Balancing area
- ☐ Utility
- ☐ WECC-wide

## Market services to study...

- ☐ Imbalance/real-time
- ☐ Day-ahead
- ☐ Full service/RTO

# Study timeframe...

- Near-term
- ☐ Long-term
- ☐ Effects of policy

# Types of benefits to consider...

- ☐ Production benefits
- ☐ Capacity savings

## Policy issues to explore...

- ☐ Seams?
- ☐ Transmission planning and cost allocation?

#### **New Transmission Build...**

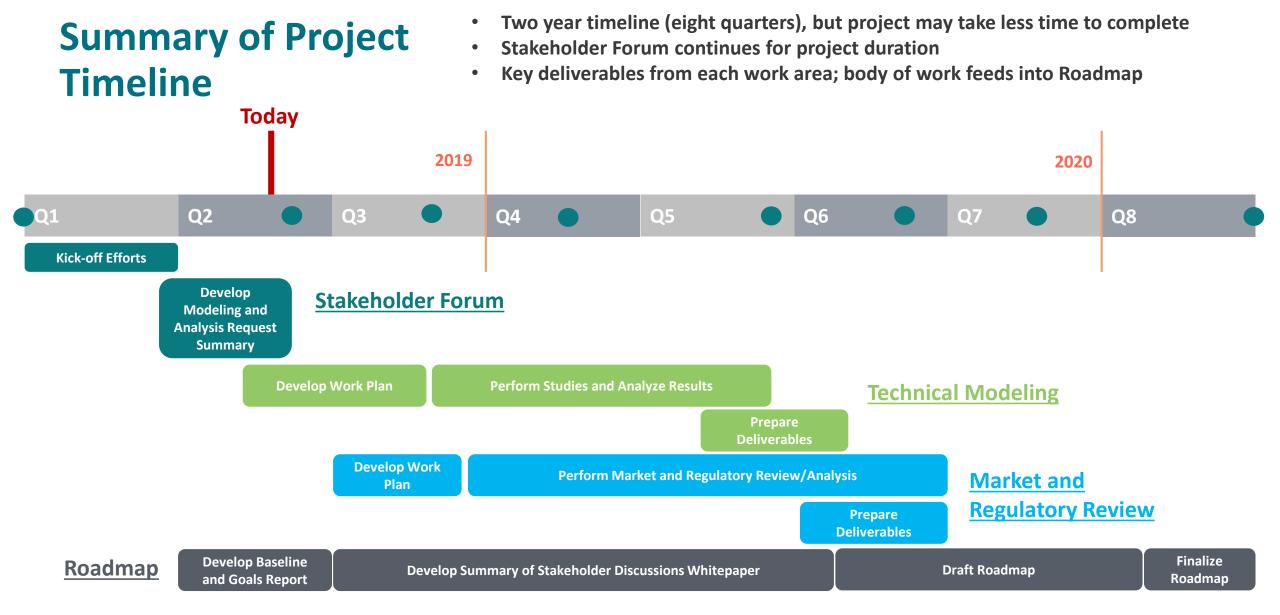
- ☐ Approved in IRP?
- ☐ Regional O1K Plans?
- ☐ Permitting status?

## **State policy considerations...**

- ☐ Major legislation in WA, NM, CO, NV
- ☐ Aggressive track for CA

#### Consideration of costs...

- Market operator costs?
- ☐ Lost transmission revenue?





# THANK YOU

#### **Contact**



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