

WIRAB Monthly Meeting

February 6, 2025



Introductions



Outline



WECC Activities:

Section 4.9 Review Work Group Update
WECC Update



WIRAB Activities:

Overview of IBR Work in 2025
Overview of FERC NOPR on IBR Standards



Upcoming WIRAB Meetings



Section 4.9 Review Work Group Update

February 6, 2025

Jeff Droubay
VP and General Counsel

WECC's Evolution



WECC's purpose now is to fulfill its reliability and security mission by performing the responsibilities delegated to it by NERC.

Governance

WECC has checks and processes in place to ensure that it is continuously evaluating its effectiveness in fulfilling its delegated functions

- Independent Board
- Governance Committee
- Annual review of WECC's performance under its Delegation Agreement
- Business Plan and Budget process with MBS and WIRAB participation
- Board, NERC, and FERC review of Business Plan and Budget
- Long Term Strategy developed with input from Board, MAC, WIRAB, and others
- Corporate Scorecard
- Enterprise Risk Management System
- NERC oversight
- FERC oversight

WECC Organizational Review: Previous Discussion



Areas for Potential WIRAB Comment

- Organizational Characteristics:
 - Maintain description of WECC's role and purpose
- WECC Structure and Governance Review (Section 4.9):
 - Oppose elimination of Section 4.9 to ensure a purposeful review every 5 years
- Board Member Qualifications:
 - Expand qualifications to include new/emerging technology experience (i.e. IBRs)

Questions

- How will these areas be maintained if they are removed from the bylaws?
- Are there any unintended consequences if these items are removed from the bylaws?

Upcoming Events

- **Grid Fundamentals**

- February 25-26, Virtual
- Register [here](#)
- Offers a comprehensive overview of the electric system – technology, operation, markets, regulation, and more

- **Reliability in the West – Large Loads**

- February 5 – recording will be available on wecc.org
- [March 5](#) at 11:00 a.m. MT
- If you have an idea for a future topic, please let us know at engage@wecc.org

- **Board of Directors meeting**

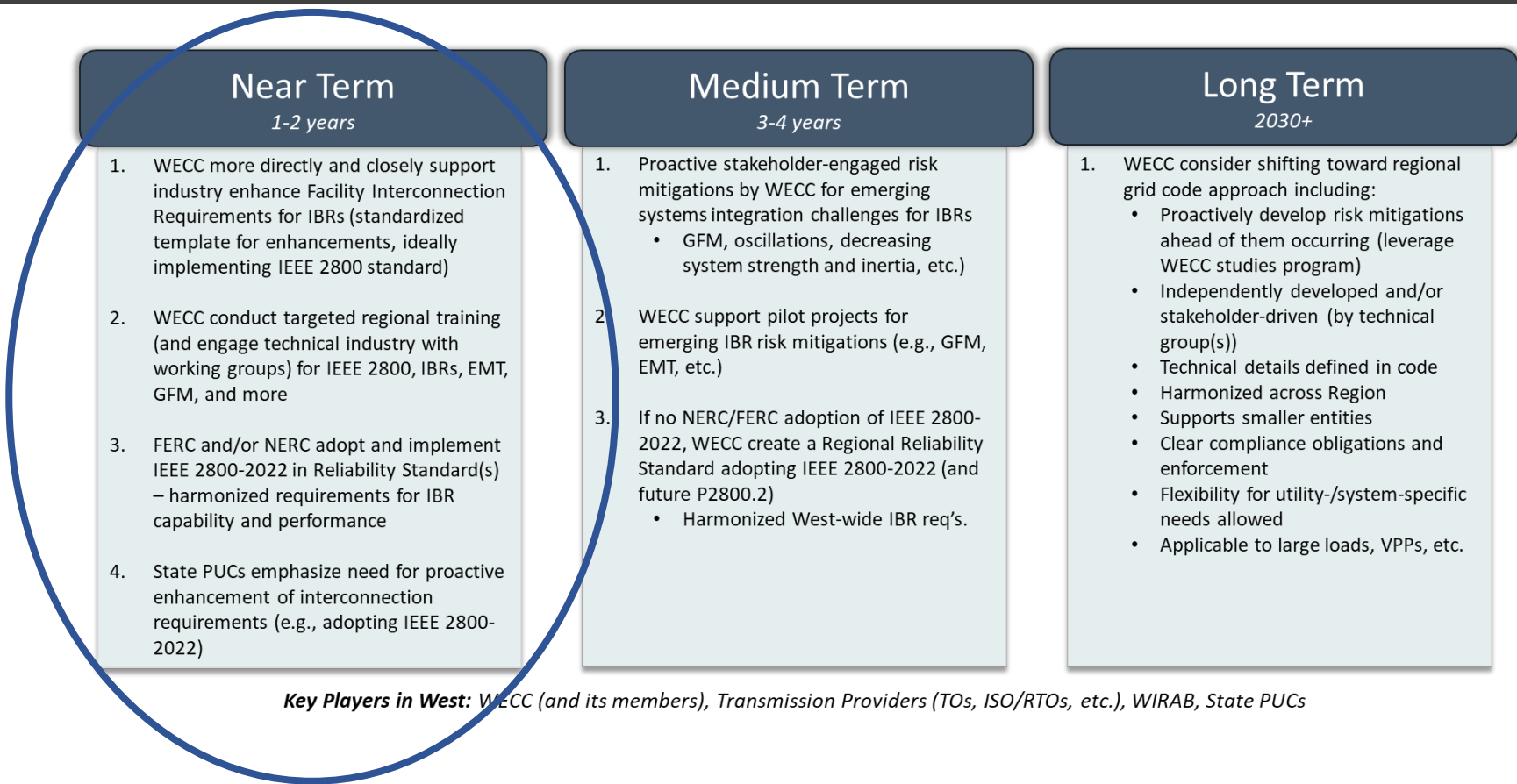
- March 11- 12
- Agenda and registration information available soon on wecc.org



Electric Reliability and Security for the West

www.wecc.org

Overview of IBR Work in 2025: Recommendations from IBR Risk Assessment



Overview of IBR Work in 2025: Consulting Contract with Elevate



Task 1: Template Facility Interconnection Requirements

Template document to share with WECC Stakeholders
Outreach to WECC Members and WIRAB



Task 2: WIRAB Advice to FERC and NERC Regarding IBR Requirements

Draft Advice to FERC and NERC to pertinent dockets and activities



Task 3: Technical Resources for State Regulators & Commissions

Technical Questions to ask during IRP, ISP, and Other Utility Hearings



Task 4: Quarterly Updates to WIRAB

FERC and NERC activities and major trends/developments regarding IBRs

Overview FERC Order 901: Reliability Standards to Address IBRs

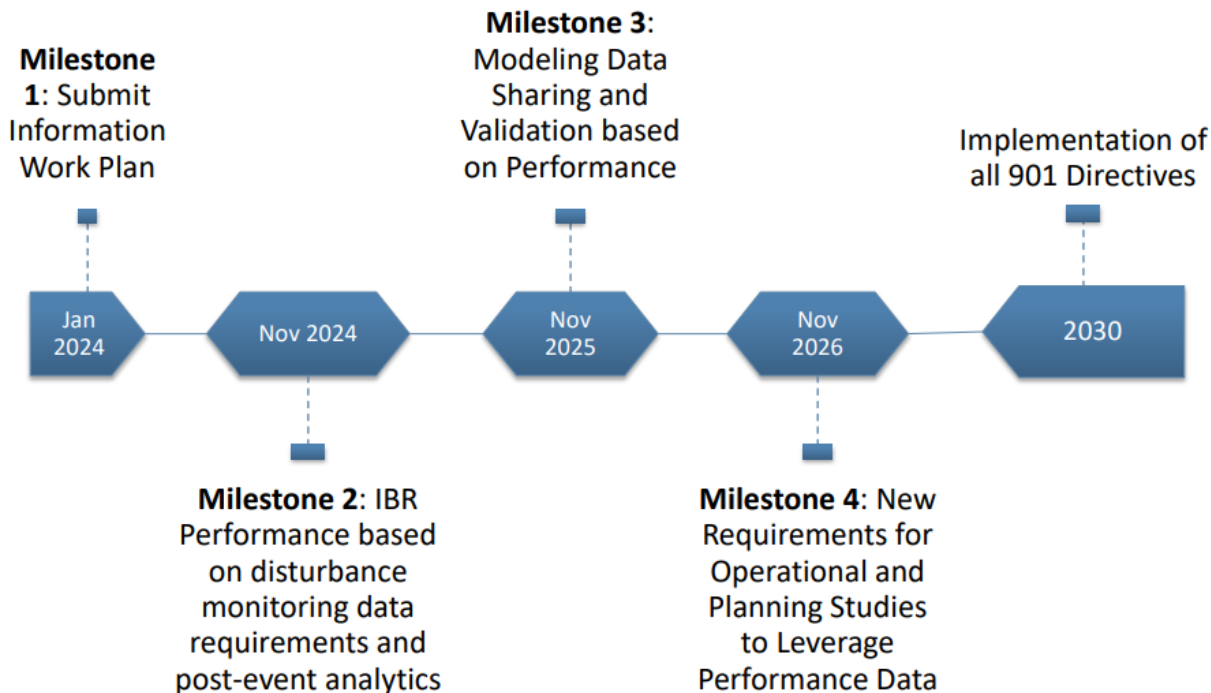


FERC Order 901

- Issued October 2023
- Includes 4 Milestones dates through November 2026
- Addresses a wide spectrum of IBR related performance issues and Reliability Standards

Inverter-Based Resources (IBR)

A plant/facility consisting of individual devices that are capable of exporting real power through a power electronic interface (e.g., inverter or converter) and that are operated together as a single resource at a common point of interconnection to the electric system.



NERC Milestone 2 Work on Order 901: NOPR RM25-3



PRC-028

Disturbance Monitoring & Reporting for IBRs

- Sequence of event recording (fault codes, alarms, statuses)
- Fault recording (MPTs, collectors, shunt devices)
- Dynamic disturbance recording (e.g. PMU) at each MPT
- Recording, storage, and reporting thresholds

PRC-029

Ride-Through Requirements for IBRs

- Voltage and frequency ride-through req's
- Small disturbance response req's
- Large disturbance dynamic response req's (current injection, active power recovery, etc.)

PRC-030

Unexpected IBR Event Mitigation

- Process to identify unexpected loss or reduction in output
- Event analysis within determined timeframes
- Corrective action plan development and implementation

- Applicable to all registered IBRs – BES IBRs and non-BES IBRs that meet the NERC Category 2 GO criteria
- All approved by industry and submitted to FERC for approval in November 2024; RM25-03

Compliance and Monitoring



Generator Owner Responsibilities:

Adhere to new standards for synchronous resources and IBRs.
Apply for exemptions within 12 months if legacy hardware limits compliance.



NERC's Role:

Monitor exemption requests and report to FERC.
Submit informational filings at 12 and 24 months post-implementation.



Data Collected:

Number and type of exemptions.
Impact analysis on the Bulk-Power System.

Call for Comments



FERC Request:

- Adequacy of ride-through requirements.
- Impact of exemption provisions.
- Recommendations for improvement.

WIRAB Potential Advice (Working with Elevate Energy Consulting):

- Determine if there would be any challenges if an entity adopted 2800 and would not be in compliance with the new NERC standard
- Discuss how the NERC process shaped the proposed standard changes

Key Dates:

- March 3, 2025: Draft Comments to WIRAB Members
- March 6, 2025: Discuss at WIRAB Monthly Meeting
- March 24, 2025: Deadline for Comments at FERC

Upcoming Meetings



WIRAB Monthly Meeting

First Thursday of the Month

Next Meeting: March 6, 2025 at 11:00 AM MT

Spring 2025 Joint CREPC-WIRAB Meeting

April 2-4, 2025 in La Jolla, CA

<https://www.westernenergyboard.org/meeting-calendar/>

Thank You!

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