

WIRAB Monthly Meeting

April 7, 2022



Introductions



Outline



- **WECC Activities**
 - WECC Update
 - Reliability Risk Priorities

- **WIRAB Activities:**
 - WIRAB Staff's Proposed 2023 Strategic Initiatives

- **Upcoming WIRAB Meetings**



WECC Update

April 7, 2022

Victoria Ravenscroft
Sr. Policy and External Affairs
Manager

WECC Happenings

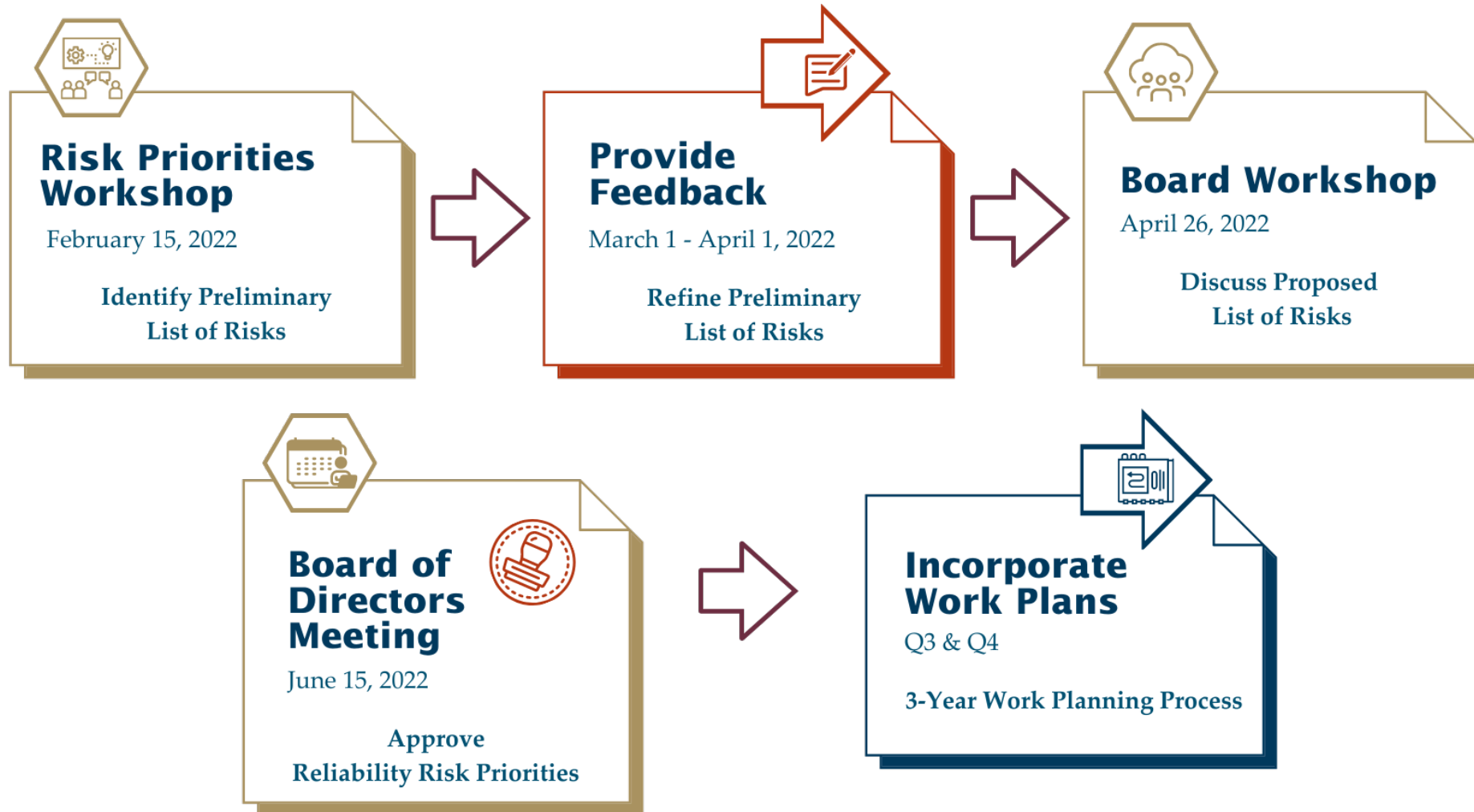
- The Variability in Loads and Resources study is now published
- WECC will transition to hybrid meetings after May 1, based on committee needs
- Reliability Risk Priorities
 - 2022 development process is ongoing

Reliability Risk Priorities

- Short list of priority risks WECC uses to focus the work of staff and technical committees
 - Issues with unique impact and importance to the Western Interconnection
 - Areas to which WECC can make a material contribution supporting the reliability and security of the Bulk Power System in the West

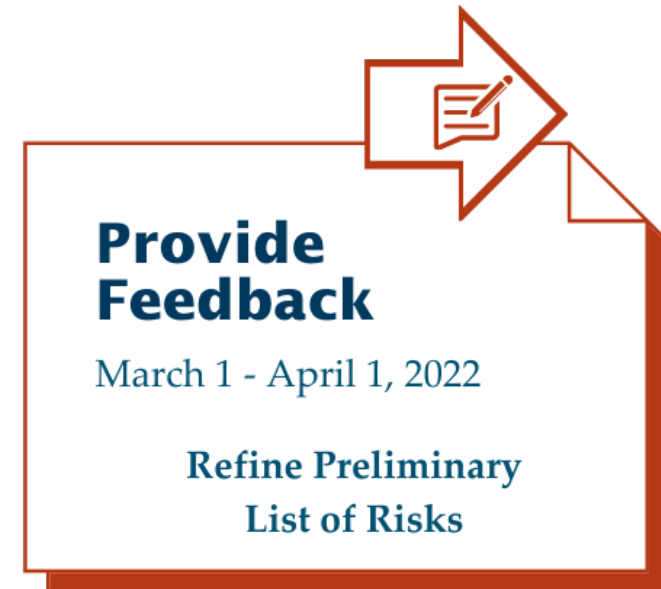


RRP Development Process 2022



Preliminary List of Priority Risks (11)

- Aging infrastructure
- Control and protection system complexity
- Cybersecurity
- Extreme natural events
- Human performance and skilled workforce
- Increasing electrification
- Loss of situational awareness
- Modeling and data
- Regulatory uncertainty
- Resource adequacy
- Technology with different design and performance characteristics



Preliminary List of Priority Risks (11)

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- Resource adequacy
- **Variations in technology design and performance**

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- Resource adequacy
- Variations in technology design and performance

Proposed List of Priority Risks (6)

- Extreme natural events
- Human performance and skilled workforce
- Modeling and data accuracy
- Regulatory uncertainty
- Resource adequacy
- Variations in technology design and performance

Next Steps

- April 26 Board Workshop
 - Discuss proposed list
- June 15 Board of Directors Meeting
 - Anticipate approval of final risk priorities list



Board Workshop
April 26, 2022

Discuss Proposed
List of Risks



Board of Directors Meeting
June 15, 2022

Approve
Reliability Risk Priorities



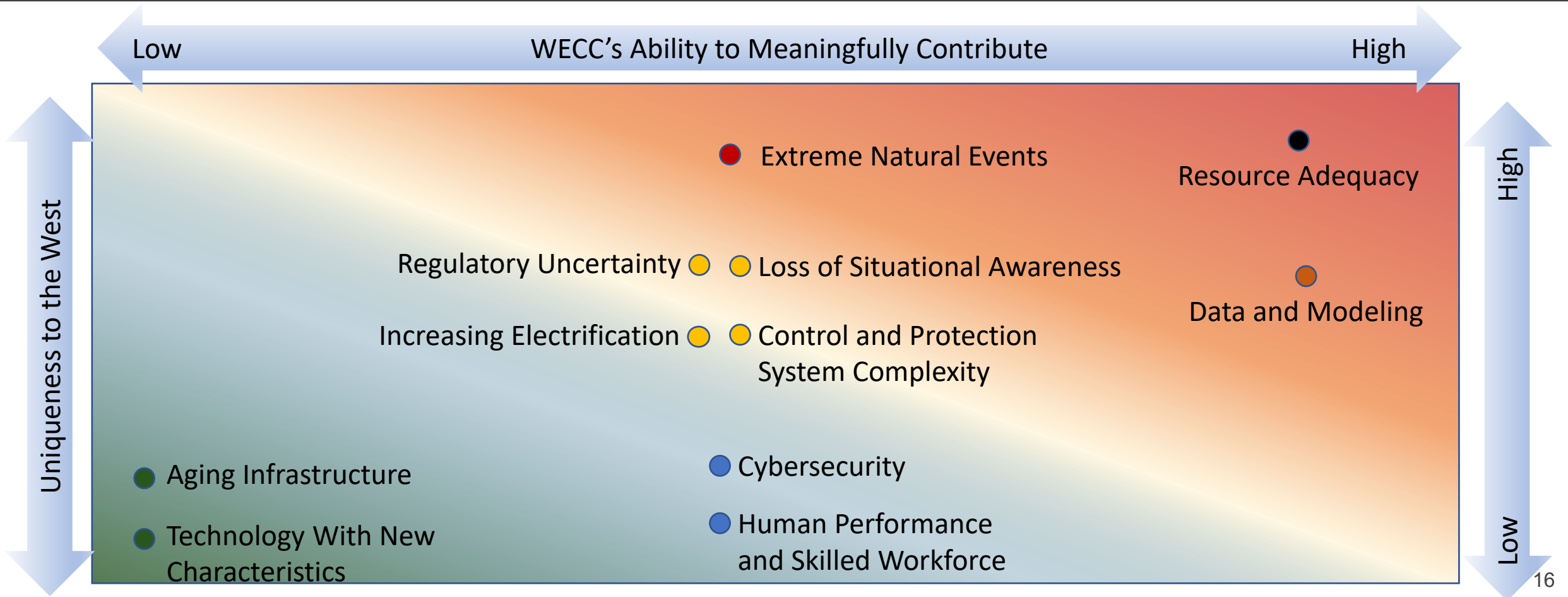
Contact:

Victoria Ravenscroft

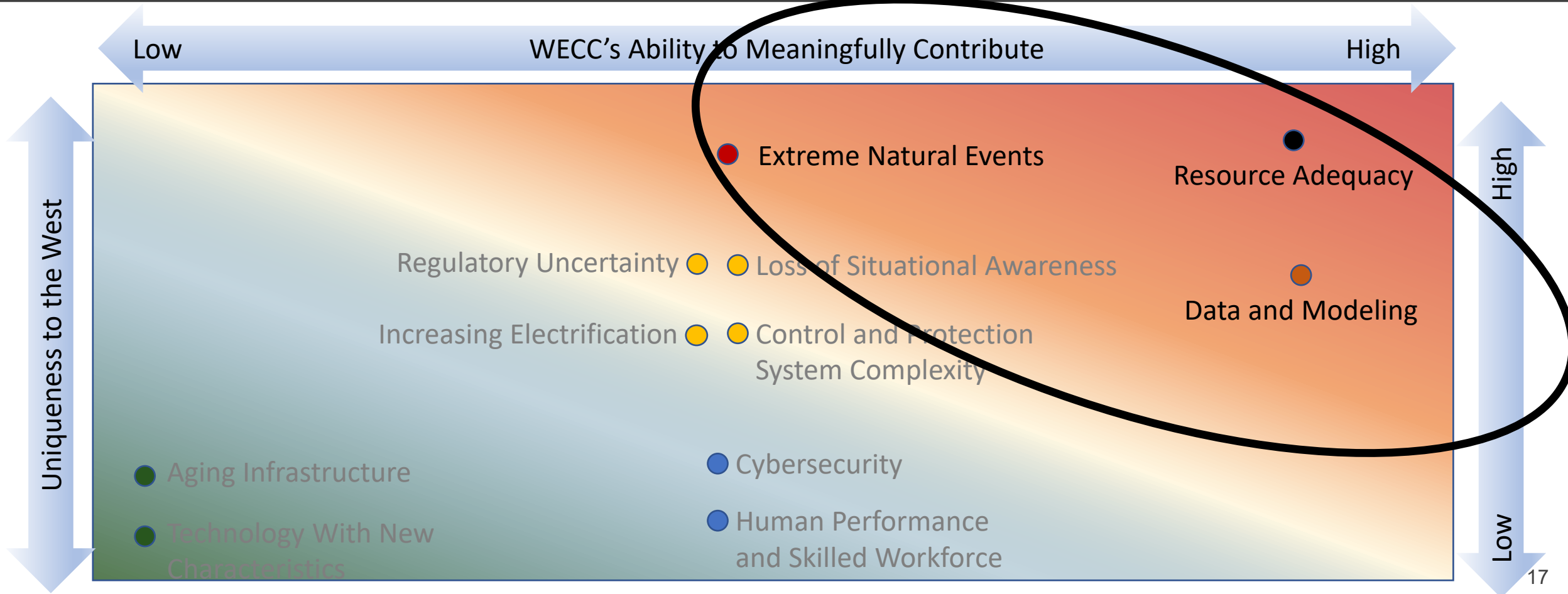
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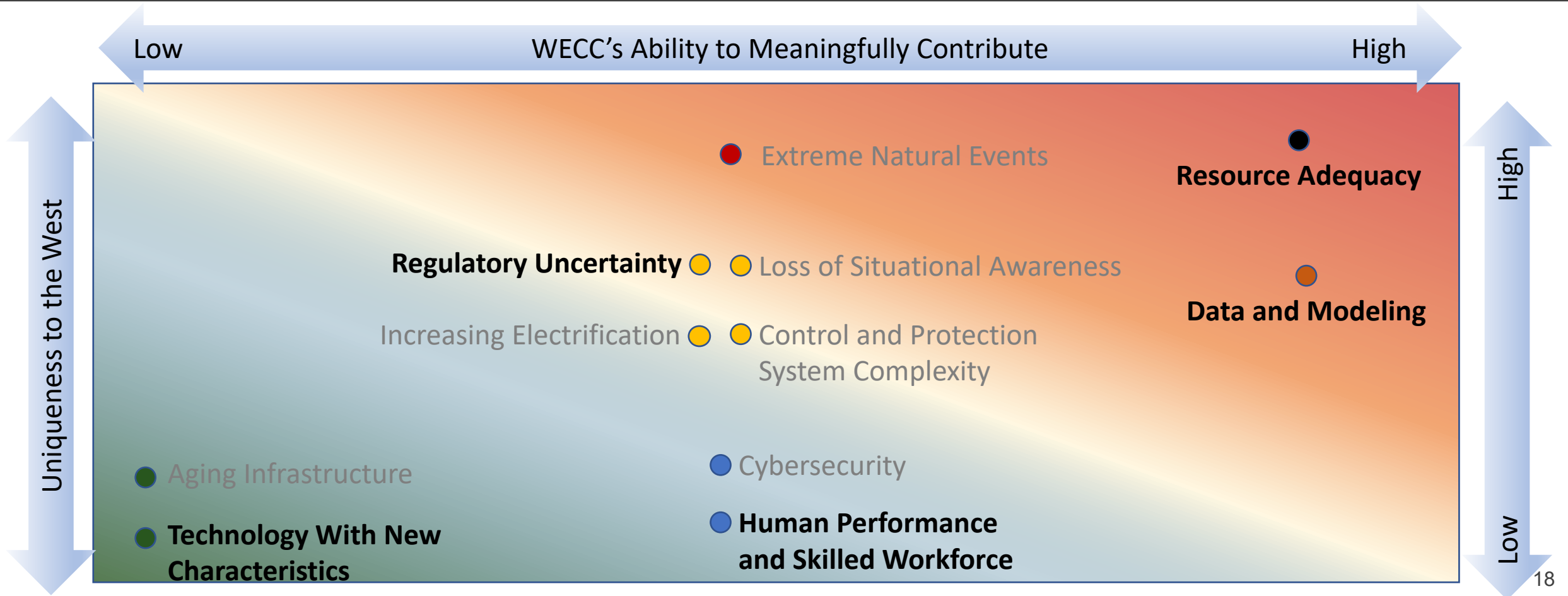
WECC Reliability Risk Priorities: WIRAB Staff Ranking



WECC Reliability Risk Priorities: WIRAB Staff Ranking



WECC Reliability Risk Priorities: WECC's Proposed List



WECC Reliability Risk Priorities: Potential WECC Work Areas



- **Resource Adequacy**
 - Direct staff to track resource construction and ensure data quality
 - Coordinate across RA program seams
- **Extreme Natural Events**
 - Direct WECC RAC to study extreme scenarios
 - Direct WECC RRC to develop best practice guidelines and information sharing protocols on extreme events like wildfires
- **Data and Modeling**
 - Assess reliability impacts of regional transmission expansion plans
 - Conduct model verification of operational and planning models of new technology

WECC Reliability Risk Priorities: Follow Through



Potential WECC Work Areas ensures follow through by:

1. Who should be directed to take action?
2. What is the deliverable they should provide?
3. When will this be provided?

The How is left to WECC management and technical committees.

The How may also have WECC budget implications.

The WECC Board & CEO should expect the JGC will manage technical committee progress and focus on the Reliability Risk Priorities.

WECC Reliability Risk Priorities: Next Steps



- April 1 – WIRAB Staff comments on WECC’s Preliminary Reliability Risk Priorities Survey
- April 15 – Updated Reliability Risk Priorities from WECC
 - Contact Eric Baran with additional feedback
- April 26 – WECC Board Workshop on Reliability Risk Priorities
 - Maury Galbraith participating on behalf of WIRAB
- **May – Develop WIRAB Advice on Reliability Risk Priorities**
- June 15 – WECC Board Meeting to approve Reliability Risk Priorities

WIRAB Business Plan and Budget: Purpose of Strategic Initiatives



Why does WIRAB have Strategic Initiatives in BP&B?

- BP&B to serve as a policy document
- Regional Entity delegated responsibilities vs WIRAB Strategic Initiatives
- FERC highlights WIRAB initiatives in its Order accepting all ERO BP&B

How do the Strategic Initiatives get created?

- WIRAB Staff -> WIRAB Leadership -> WIRAB Members
- 3-5 Initiatives Total: 1-3 Align; 1-2 Leading Edge; 0-2 Carryover

WIRAB Business Plan and Budget: Staff Proposed Strategic Initiatives



- [Initiative 1](#): Advise WECC to track generation resource construction and compare it to the resource additions in the Western Assessment of Resource Adequacy.
- [Initiative 2](#): Advise WECC to conduct an assessment of the transmission expansion requirements needed to maintain reliability in the Western Interconnection while achieving state and provincial policy targets in the West.

WIRAB Business Plan and Budget: Staff Proposed Strategic Initiatives



- [Initiative 3](#): Advise WECC to coordinate and gather climate data to understand how historical climate information impacts operational and planning assumptions in the Western Interconnection.
- [Initiative 4](#): Advise WECC to assess how system disturbance events are impacting grid reliability and resilience due to the changing resource mix in the Western Interconnection.

WIRAB Business Plan and Budget: Timeline



Date	WIRAB BP&B Timeline
4.7	WIRAB Monthly Meeting: Discuss Potential 2022 Strategic Initiatives
4.29	Circulate BP&B to WIRAB (Draft 1)
4.29	First BP&B due to NERC (Draft 1)
5.13	WIRAB BP&B Comments Due by WIRAB Members (Draft 1)
5.20	Draft 1 of ERO 2022 BP&B posted for comment and FAC webinar package posted
6.1	Conference Call & WIRAB Staff Presentation of BP&B to NERC FAC
6.2	WIRAB Monthly Meeting with Presentation of Final Version for Approval
6.7,8, or 9	Conference Call & WIRAB Staff Presentation of BP&B to FERC
6.9	Hold Additional Webinar, If necessary
6.16	WIRAB Approval (Final Vote Due)
7.1	Submit Approved BP&B to NERC
8.18	NERC Open FAC, MRC, and Board meetings
8.25	Regulatory filings for NERC, RE, & WIRAB 2022 BP&Bs submitted to FERC

Upcoming Meetings



May 5, 2022 WIRAB Monthly Meeting Cancelled

Next Meeting: June 2, 2022 at 11:00 AM MT

WECC's Budget Overview: April 27, 2022 at 1:00 PM

Spring 2022 Joint CREPC-WIRAB Meeting

May 2-4, 2022 in San Diego, CA

<https://westernenergyboard.org/>

Thank You!

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