

RELIABILITY & SECURITY

Oversight Monthly Update

Formerly the Compliance Open Webinar

February 16, 2023, 2:00 p.m. MT





Reliability & Security Oversight Monthly Update

February 16, 2023

Mailee Cook
Training and Outreach
Specialist



RESOURCE ADEQUACY

DISCUSSION SERIES

Board of Directors and Associated Meetings



Future Enforcement Training

Training Topic	Date
Root Cause	March 9, 2023 2:00–3:00 p.m. MT
Mitigation through Internal Controls	April 13, 2023 2:00–3:00 p.m. MT
Noncompliance Processing	May 11, 2023 2:00–3:00 p.m. MT

R&S Virtual Workshop

MARCH 21, 2023

RELIABILITY & SECURITY

Virtual Workshop



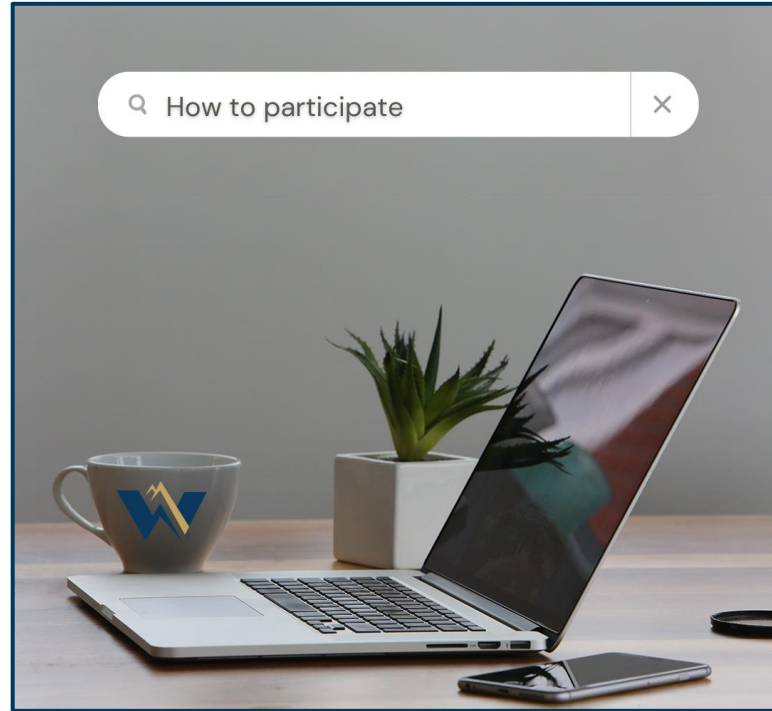
Antitrust Policy

- All WECC meetings are conducted in accordance with the WECC Antitrust Policy and the NERC Antitrust Compliance Guidelines
- All participants must comply with the policy and guidelines
- This meeting is public—confidential or proprietary information should not be discussed in open session

Antitrust Policy

- This webinar is being recorded and will be posted publicly
- By participating, you give your consent for your name, voice, image, and likeness to be included in that recording
- WECC strives to ensure the information presented today is accurate and reflects the views of WECC
- However, all interpretations and positions are subject to change
- If you have any questions, please contact WECC's legal counsel

Participating



Send questions via chat to WECC Meetings
Use the “raise hand” feature

Agenda

- CAISO Audit Pilot Roundtable Discussion
 - Rick Lozano, CAISO
 - Monika Montez, CAISO
 - Holly Peterson, WECC
 - Daniel Shiramizu, WECC
- Reliability & Security Indicator Dashboard
 - Vic Howell, WECC



Align Audit Experience

February 16, 2023

Monika Montez, CAISO
Manager, NERC CIP
Compliance and
Information Governance

Holly Peterson, WECC
Entity Monitoring
Operations Lead and
Senior Auditor

Rick Lozano, CAISO
Manager, NERC O&P and
Tariff Compliance

Daniel Shiramizu, WECC
Compliance Program
Coordinator

Align and SEL Background

- CMEP Technology Project
- Enterprise-level program
 - Align
 - Single, common portal for entities
 - Improving analytics and standardizing processes
 - SEL
 - Enhances security in evidence collection
 - Supports effective data and information handling security practices

Audit Engagement Pilots

- Started with Align Release 3 (2022)
- 2023 Pilot Audit Engagements

Audit Experience Discussion



Contact:

Rick Lozano — rlozano@caiso.com

Monika Montez — mmontez@caiso.com

Holly Peterson — hpeterson@wecc.org

Daniel Shiramizu — dshiramizu@wecc.org



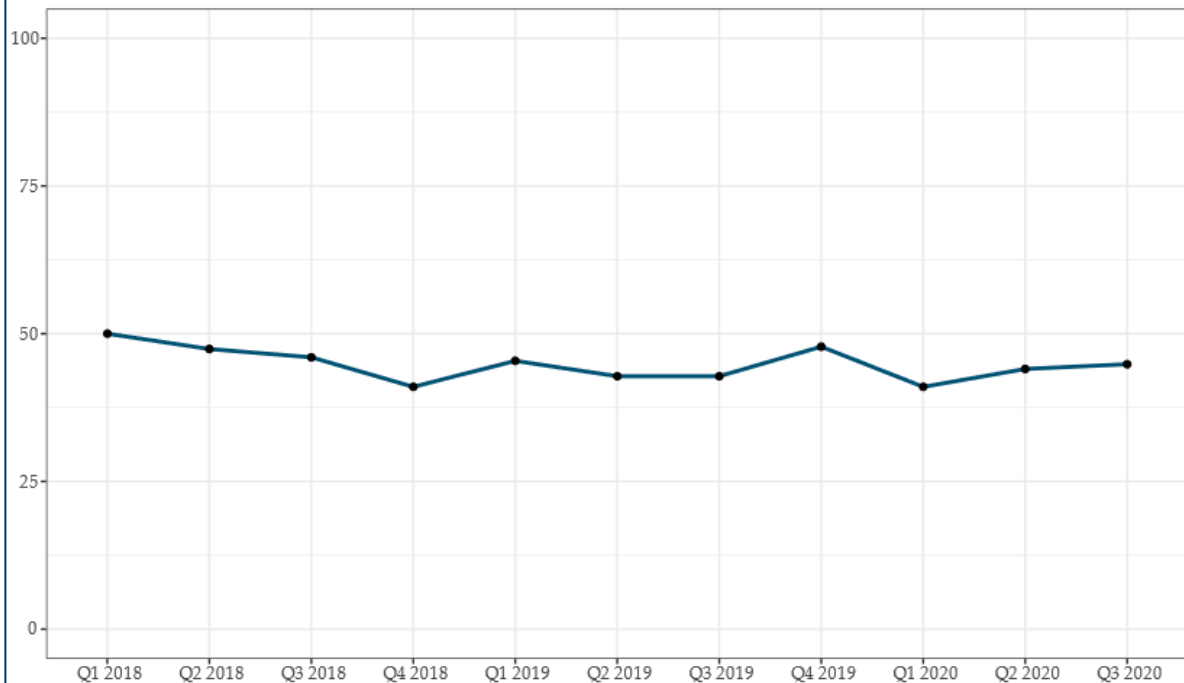
WECC Reliability and Security Indicators— RSO Monthly Meeting

February 16, 2023

Vic Howell
Director of Reliability Risk
Management

Background

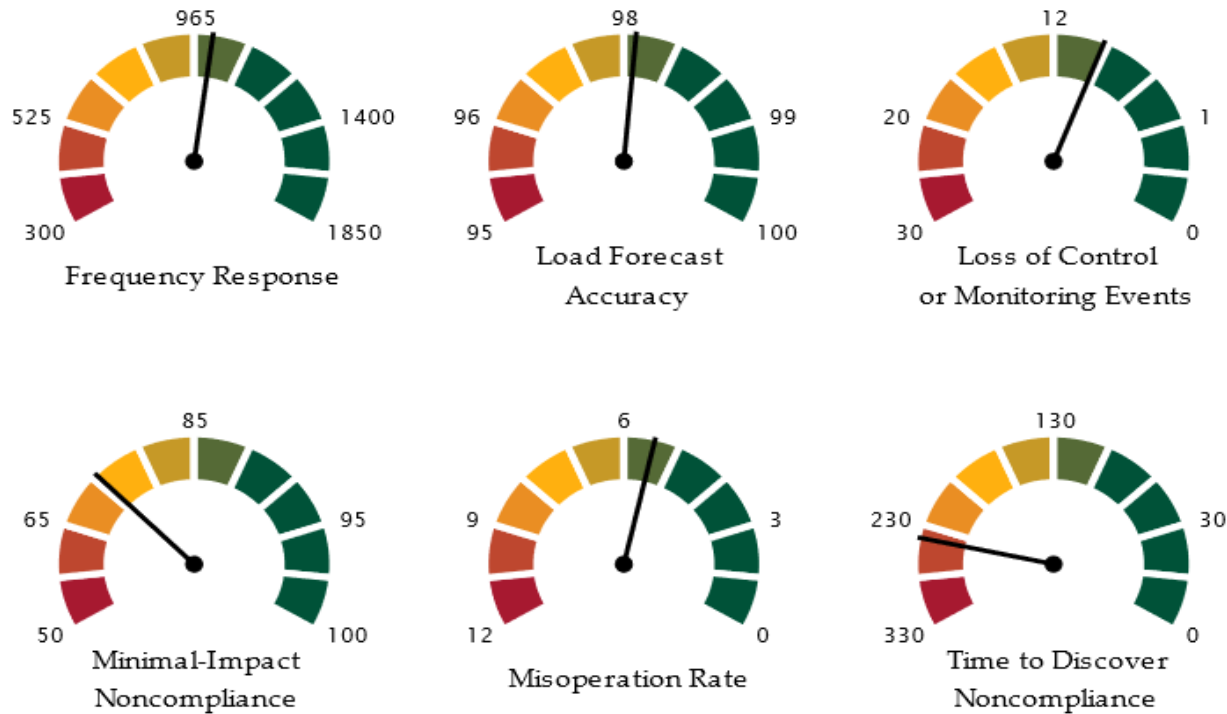
Reliability & Security Index



- Former approach
- In effect since 2016
- Updated quarterly
- Presented at WECC Board Meetings

Background

Index Components



Single index is a statistical value derived from six weighted measures

Background

- WECC Executive Team initiative to revise metrics
- Breakthrough Project Team:
 - Develop set of R&S metrics
 - Identify performance trends
 - Use trends to inform stakeholders and to identify reliability risks
 - Use R&S metrics to replace R&S Index

Collaborative Development

- WECC staff project initiated in late 2020
- Feedback from former WECC OC, PWG, and other subject matter experts
- Webpage development
- Rolled out in January 2022

Indicator Dashboard

WECC

Program Areas Committees Toolbox About

What are you looking for today? **SEARCH**

Popular Searches

Western Assessment of Resource Adequacy	Reliability and Security Indicator Dashboard	Study Program
Anchor Data Set (ADS)	Align	Wildfire Dashboard
Standards Dashboard	Daily Status Reports	State of the Interconnection

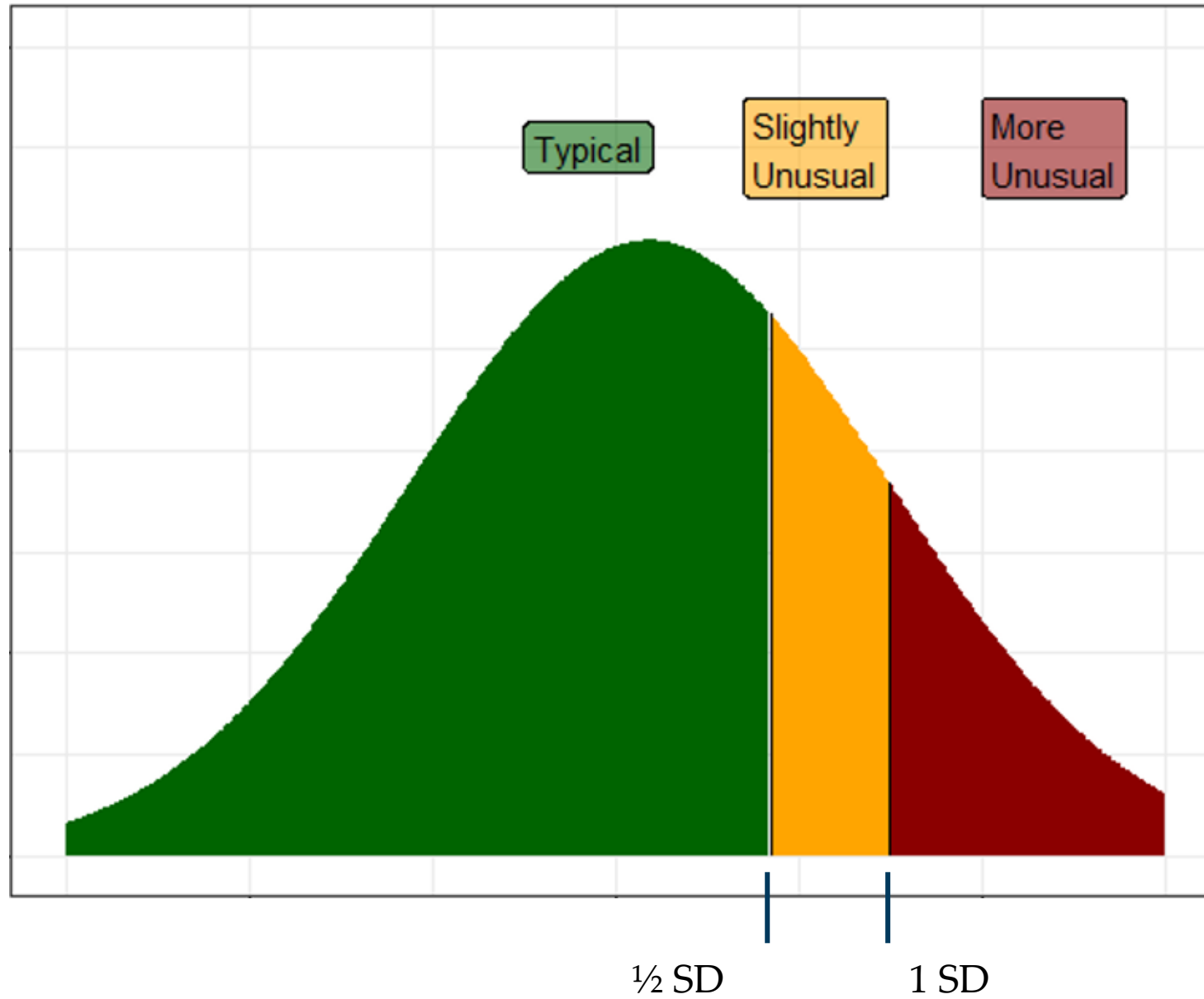
Indicator Dashboard



Uniform Approach

- Consistent statistical approach for all eight metrics
- Rolling yearly average calculated and shown as dashed line
- Metrics updated quarterly
- Compares each quarter to the rolling average
- Colors:
 - **GREEN:** less than $\frac{1}{2}$ standard deviation (SD)—“no concern”
 - **YELLOW:** between $\frac{1}{2}$ SD and 1 SD—“slightly unusual”
 - **RED:** greater than 1 SD—“more unusual”

Better performance \longleftrightarrow Worse performance



Indicator Dashboard Demo

What Next?

- Current set of indicators is an initial step
- Goals:
 - Continuous improvement for increased value
 - R&S Indicator improvements
 - Dashboard improvements
 - Improvements in analytics for reliability risk identification
 - Collaborate with stakeholders
 - Enhance RRC engagement in Performance Analysis (see RRC Charter)

Contact:

Vic Howell

Director of Reliability Risk Management

vhowell@wecc.org

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