

In 2022, the JGC created metrics to measure the effectiveness of the technical committee transition once it was complete. With the final approval of the new or changed committees in May 2023, the JGC will begin tracking the metrics. To establish baseline numbers, some metrics have been tracked since their approval in 2022. However, other metrics have not been tracked due to unavailability of information, pending changes in tracking methods, or inapplicability until the technical committee structure was finalized. In still other cases, upon a review of the metrics, some do not seem likely to provide the information intended at the time of their creation. Below is a summary table of the status of each metric. Following that is a more detailed description of each metric, data if available, and recommended action.

Metric	Status	Recommendation
1. Increased stakeholder engagement		
1.1: Percent increase of attendees at meetings over the 2021 average by the end of 2023	Tracking	Continue tracking
1.2: Representation from all classes on all committees	Tracking	Continue tracking
1.3: Number of action items versus update items on agendas	Not tracking	Begin tracking Q3 2023
2. General Understanding of Committee Work		
2.1: Number of RRP's and Long-term Strategy Items Addressed by Committees	Tracking	Continue tracking but revise
3. Reduction of Duplicated Work		
3.1: Monitor committee activities by comparing agendas and minutes for overlapping topics	Not tracking	Eliminate
3.2: How identified overlaps from Metric 3.1 are addressed	Not tracking	Eliminate
4. Rapid response time in identifying and addressing emerging and known risks		
4.1: Time between adding an activity to a work plan and the start of work	Not tracking	Eliminate or revise
4.2: Percent of action items completed or closed by the due date	Tracking	Continue tracking
5. Work produced is relevant to a broad range of WECC stakeholders		
5.1: Number of end products published on WECC.org from three-year work plans	Tracking	Continue tracking but revise
5.2: Number of times work is cited	Tracking	Continue tracking but revise
5.3: Number of additional items requested from end users	Not tracking	Eliminate or revise
5.4: Number of times WECC presents work in outside forums	Not tracking	Revise
6. Stakeholders can easily connect to and participate in groups		
6.1: How often the informative and interactive stakeholder committee guide is updated.	Not tracking	Eliminate
6.2: Number of hits on WECC.org for the interactive guide	Not tracking	Eliminate

7. Committee work includes a broad range of perspectives and expertise		
7.1: Number of outside perspectives invited to speak at the committees	Not tracking	Begin tracking Q3 2023
7.2: Types of organizations involved in each group by registered function	Tracking	Continue tracking
7.3: Track organizational level and titles of people involved in committees	Not tracking	Eliminate
8. Increased enthusiasm within committees		
8.1: Survey of group members	Not tracking	Begin tracking Q3 2023
8.2: Number of volunteers for action items and ad hoc groups from 2021 to 2023 to be included in lessons learned	Not tracking	Eliminate

1. Increased Stakeholder Engagement

Metric 1.1: Percent increase of attendees at meetings over the 2021 average by the end of 2023

This metrics tracks the average number of attendees at meetings for 2021, 2022, and up to May 2023. The metric originally identified 2021 as the baseline year. However, in 2021 changes to tracking methods make that data incomplete. Therefore, 2022 provides a more reliable baseline year. In both cases, there has been an increase in the average attendees per meeting for the technical committee meetings.

Year	Total Attendees	Total Number of Meetings	Average Attendees per Meeting
2021*	646	166	3.89
2022	1,718	233	7.37
2023	609	55	11.07

Recommendation: Change the baseline year to 2022 and continue tracking.

Metric 1.2: Representation from all classes on all committees

This metric monitors the representation of each of WECC's five member classes on each of the technical committees. A class is represented when a person from that class is designated as a member of a committee. The numbers in the table below are based on the new technical committee structure, which currently has 25 groups.

WECC Member Class	Number of Groups with Class Representation	Percent of Groups with Class Representation
Class 1: Large Transmission Owners	25	100%
Class 2: Small Transmission Owners	22	88%

Class 3: Transmission Dependent Energy Service Providers	25	100%
Class 4: End Users	6	24%
Class 5: Representatives of State and Provincial Governments	5	20%

Recommendation: Continue tracking.

Metric 1.3: Number of action items versus update items on agendas

The purpose of this metric is to measure the amount of agenda time dedicated to substantive work and discussion versus the time dedicated to updates and procedural matters. This metrics is not currently tracked. WECC has not tracked data on agenda topics. Work is underway to track topics, which will allow measurement of this metric. In addition, given the work since 2022 to revise the committee structure, historical data on agenda items would be skewed because of the creation, transition, or retirement of groups.

Recommendation: Begin tracking this information in Q3 2023 for the newly approved committee structure. In addition, review this metric in 2024 to determine if it provides the information anticipated by the drafting team.

2. General Understanding of Committee Work

Metric 2.1: Number of RRP's and Long-term Strategy Items Addressed by Committees

This metric provides on measure of how committee work aligns with WECC's Reliability Risk Priorities and Long-term Strategy.

Reliability Risk Priorities

All of WECC's committee work contributes to identifying, understanding, and mitigating risks to the reliability and security of the bulk power system. Most of the 57 items on the technical committees 3-year work plan support analytical, modeling, or information sharing tools and processes. These items include activities such as case preparation, data gathering, and tool calibration. Twelve of the items address a specific RRP. All four of WECC's RRP's are addressed.

Long-Term Strategy

Of the five areas of WECC's LTS, technical committee work typically covers Focus Area 2 (assess and mitigate risks to reliability and security) and Focus Area 3 (engage reliability and security community). Eleven work items specifically address these focus areas.



Recommendation: Continue tracking but revise the metric for two reasons: 1) it is unlikely the data will change because the work of the committees will nearly always focus on risk; 2) the metric provides only superficial information, and does not provide information on how and to what extent the technical committees address the RRP or LTS.

3. Reduction of Duplicated Work

Metric 3.1: Monitor committee activities by comparing agendas and minutes for overlapping topics.

This metric is meant to measure the amount of overlap between committees. However, given the intensive work needed to review and compare agendas and minutes, this metric has not been tracked to date. In addition, discussions that occurred as part of the committee restructuring highlighted the fact that while multiple groups may address the same topic, often they have different perspectives (e.g., planning v. operations) but not necessarily overlapping approaches. Therefore, a cursory review of agendas and minutes will not provide the depth of information necessary to identify overlapping work.

Recommendation: eliminate this metric and rely on qualitative appraisal of efforts between JGC, RAC, and RRC leadership to align work.

Metric 3.2: How identified overlaps from Metric 3.1 are addressed.

Recommendation: This is a follow-up to Metric 3.1. Given the recommendation to eliminate Metric 3.1, this metric should also be eliminated.

4. Rapid response time in identifying and addressing emerging and known risks

Metric 4.1: Time between adding an activity to a work plan and the start of work

This metric was meant to measure the responsiveness of the committees to the need for new work. However, each committee addresses new work in a unique manner. For example, some groups scope new work immediately, others begin building models, and others may begin with discussions. These differences make it difficult to consistently determine what constitutes the start of work. In addition, the number of variables that affect the start date of work dilute the meaningfulness of this metric. For example, some groups meet quarterly, so their reaction time might be measured in months. Other groups meet weekly, so their reaction time may be measured in days. The metric does not contemplate ways to adjust for these differences.

Recommendation: Eliminate or revise this metric to account for the issues outlined above.

Metric 4.2: Percent of action items completed or closed by the due date

This metric measures how well groups complete their action items by the due dates they have selected. Note that this metric does not apply to committee project timelines.

	2021	2022	2023 (Q1)
Completed On-Time	19%	55%	39%
Completed Late	58%	34%	36%
Open at Year End	23%	11%	24%

Recommendation: continue tracking this metric. Either combined with this metric or as a separate metric, develop a way to measure the completion of projects.

5. Work produced is relevant to a broad range of WECC stakeholders

Metric 5.1: Number of end products published on WECC.org from three-year work plans

This metric measures how many products are shared with WECC's broad stakeholder community via its website. This is just one measure of how effectively WECC shares committee work with a broad audience. Of the eleven committee products completed in 2022, four were published to WECC.org and another was published in part. The remaining products included new models, model inputs, and cases. These items are not published on WECC.org.

Recommendation: keep tracking this metric. As the JGC, RAC, and RRC revise their 3-year work planning process this year, the type of work identified as projects can be honed so that this metric will provide more meaningful information. In addition, adding a measure of how WECC is engaging stakeholders on products in addition to publishing them on WECC.org would provide a more complete look at how broadly these products are being shared.

Metric 5.2: Number of times work is cited

This measures the number of media citations for WECC's work. In 2022, WECC's work was cited 52 times. Through May 2023, WECC's work has been cited 16 times. Media citations are only one measure of how well WECC's work is reaching a broad audience.

Recommendation: continue tracking but expand to other types of citations, e.g., state utility commission dockets.

Metric 5.3: Number of additional items requested from end users



It is unclear what this metric is measuring. The number of requests WECC makes of end users of its work does not speak to the relevance of the work.

Recommendation: Eliminate or revise this metric to be more clear.

Metric 5.4: Number of times WECC presents work in outside forums

This metric measures the number of times WECC work gets exposure in forums outside its committee structure. While this measure could be indicative of the relevance of WECC's work, the manner in which it is measured is not an accurate reflection of the metric. WECC gathers information on strategic touchpoints with stakeholders. These are often high-level, and while they may cover or mention WECC work products, they are not technical in nature. This list is the recommended source of data for this JGC metric. However, most of the work or topics covered in these strategic touchpoints are not committee work.

Recommendation: revise this metric to better reflect the relevance and sharing of committee work. In addition, develop a consistent and implementable way to collect the information.

6. Stakeholders can easily connect to and participate in groups

Metric 6.1: How often the informative and interactive stakeholder committee guide is updated.

This measures how often WECC is refreshing the information it provides to stakeholders on the committee structure. After the development of this metric WECC paused work on the guide as it undertook other types of work and efforts to share information with stakeholders. Therefore, this metric is no longer meaningful.

Recommendation: eliminate this metric.

Metric 6.2: Number of hits on WECC.org for the interactive guide

Recommendation: Based on status of Metric 6.1, eliminate this metric.

7. Committee work includes a broad range of perspectives and expertise

Metric 7.1: Number of outside perspectives invited to speak at the committees

This metric is one measure of the diversity of thought included in committee conversations. As with Metric 1.3, this metric requires information on the topics, agendas, and minutes for each committee meeting.



Recommendation: Begin tracking this information in Q3 2023 for the newly approved committee structure. In addition, review this metric in 2024 to determine if it provides the information anticipated by the drafting team.

Metric 7.2: Types of organizations involved in each group by registered function

This metric measures the diversity of participation in the committee structure by WECC registered function. A registered function is represented when at least one person from a company with that registered function is designated as a member of a committee. The numbers in the table below are based on the new technical committee structure, which currently has 25 groups.

WECC Registered Function	Number of Groups with Class Representation	Percent of Groups with Class Representation
BA	25	100%
DP	25	100%
DP-UFLS	5	20%
FRSG	17	68%
GOP	25	100%
GO	25	100%
IA	17	68%
PA	25	100%
RC	20	80%
RSG	10	40%
RP	25	100%
TOP	25	100%
TO	25	100%
TP	25	100%
TSP	25	100%

Recommendation: Continue tracking.

Metric 7.3: Track organizational level and titles of people involved in committees

This metric cannot be tracked at this time because WECC does not collect this information in a manner that can be tracked with committee participation. WECC does not currently plan to begin collecting this information.

Recommendation: eliminate this metric.



8. Increased enthusiasm within committees

Metric 8.1: Survey of group members

This survey has not been completed. Given the changes in the committee structure, this survey was paused.

Recommendation: develop the survey and distribute to new technical committee structure.

Metric 8.2: Number of volunteers for action items and ad hoc groups from 2021 to 2023 to be included in lessons learned

This is meant to be another measure of enthusiasm. However, this information is very difficult and time consuming to track.

Recommendation: reconsider the effectiveness of this metric, particularly on balance with the amount of work needed to collect the information.