

Establishment and Authority

The Production Cost Data Subcommittee (PCDS) was established by the Reliability Assessment Committee (RAC).

Purpose and Responsibilities

The purpose of the PCDS is to evaluate, develop, and verify the production cost model (PCM) data, software, and modeling requirements used to support reliability assessments; the Anchor Data Set (ADS); and other PCMs as needed by WECC stakeholders.

The PCDS is responsible for:

1. Developing and verifying data used in the PCM(s).
2. Developing and maintaining a process that supports the creation of an interconnection-wide PCM database.
3. Striving to use public source data as necessary to support keeping the database transparent and publicly available.
4. Collaborating with other RAC groups to ensure that WECC collects the data necessary to support the PCM(s).
5. Developing processes to combine the data of the interconnection-wide WECC base case power flow (PF) and the production cost data developed by the PCDS to support the development of the ADS.
 - a. Updating WECC base case power flow(s) developed by the System Review Subcommittee (SRS) to reflect Loads and Resources submission to create the reference PF case.
 - b. Documenting any processes and data needed to assemble and validate the reference PF case.
 - c. A task force or work group can be established by the PCDS to accomplish the work.
6. Supporting review of WECC cases to achieve consistent modeling attributes across the Western Interconnection and to help inform development of the ADS through the ADS process.

7. Managing processes for development, testing, validation, implementation, documentation, tracking, and approval of PCM software modeling enhancements.
8. Coordinating with other WECC committees to develop consistent assumptions that lead to consistent data, ensure interchangeability of data between the power flow and PCM databases, and ensure that there is consistent data representation in both power flow and PCM software programs.
9. Collaborating with RAC groups and other stakeholders to ensure that all needed data and expertise is available to support each work product, specifically, the study program.
10. Providing an open and transparent forum for analyzing and discussing issues related to PCM data collection, applications, and their interactions with other planning models, such as power flow models and resource adequacy models. The scope of the forum includes:
 - a. Exploring, developing, and recommending PCM modeling methodologies, enhancements, and uses to meet the evolving needs of reliability assessments, economic assessment, and renewable integration studies;
 - b. Engaging with PCM model vendors and PCM user groups to share PCM capabilities and emerging PCM needs;
 - c. Proposing and supporting mapping of the transmission topology and generator models between the power flow programs and the PCM.
11. Developing an annual work plan and schedule that aligns with, supports, and is consistent with the RAC work plan.
12. Performing other tasks as assigned by the RAC.

Committee Composition and Governance

1. Membership

- a. The PCDS will be composed of members.
- b. Members will be selected by their organization's RAC representative or by their organization's WECC Member Representative if no RAC representative exists. Those from organizations that are not WECC Members will be self-selected.
 - i. Organizations may have multiple members on the PCDS.
 - ii. Notice of selection should be sent to the co-chairs (or designee).
- c. Members will serve until they resign or until a successor has been selected.
- d. The PCDS will also include a liaison, appointed by WECC management, as a member.



2. Leadership

- a. The co-chairs of the RAC will approve two of the PCDS members to serve as the co-chairs.
 - i. The co-chairs will manage the committee and its meetings.
- b. The co-chairs will each hold office for a staggered term of two years, or until a successor has been duly appointed. The co-chairs may serve multiple terms.
- c. The co-chairs will appoint one of the PCDS members to serve as the modeling lead.
- d. WECC staff will partner with the co-chairs to manage the committee and its meetings, plan the agenda, and coordinate efforts with the other technical committees to ensure alignment with WECC staff work plans and priorities.
- e. WECC staff will prepare minutes of PCDS meetings for the committee's approval.
- f. The co-chairs may appoint a steering committee, which will include the WECC liaison, subgroup chairs, and may include other members, who will assist with meeting agendas and action recommendations.

3. Meetings

- a. The PCDS will meet as often as required to carry out its responsibilities.
 - i. Meetings will be held according to the WECC Meeting Policy.
 - ii. PCDS meetings may be in-person, virtual, a combination of the two (hybrid), or by conference call, as determined by the co-chairs.
 - iii. Meetings will be open to the public except as otherwise approved according to Board policy.
- b. A quorum for meetings will be a third of committee members.
- c. The PCDS will strive to make all decisions by consensus. If consensus is not possible, action taken by the PCDS will require a majority vote of the members present.
 - i. Voting may be by any means the co-chairs determine appropriate.
 - ii. Voting must take place in a noticed meeting.
 - iii. PCDS members may not vote by proxy or absentee ballot.
 - iv. Each organization may only have one vote.
 - v. Members who vote in the minority regarding an approval item should provide an explanation for their vote. This explanation or a summary will be included in the minutes.



- d. WECC will give notice to each member of the PCDS of the time and place of all meetings and will post notice of all meetings on the WECC website. Notice will be given no less than:
 - 30 calendar days before in-person and hybrid meetings.
 - Three calendar days before virtual meetings and conference calls.
- e. An agenda, and the items for which action may be taken, will be posted no less than:
 - 10 calendar days before in-person and hybrid meetings.
 - Three calendar days before virtual meetings and conference calls.
- f. Any person who wants notice of PCDS meetings may notify the WECC liaison. WECC will then email the notice of future meetings to that person when the committee members receive the notice.

Reporting

The PCDS will report to the RAC on its activities and any recommendations.

Review and Changes to the Charter

The PCDS will review this charter every three years or as needed and discuss any changes with the Joint Guidance Committee (JGC). The PCDS will then make a recommendation to the RAC for approval.

	Committee	Date
Approved	RAC	Month Day, Year
Endorsed	JGC	Month Day, Year
Reviewed	PCDS	January 18, 2023

