



Anchor Power Flow Task Force Charter

Establishment and Authority

The Anchor Power Flow Task Force (APFTF) was established by the Production Cost Data Subcommittee (PCDS).

Purpose and Responsibilities

The purpose of the APFTF is to create and document reasonable assumptions for the Anchor Data Set (ADS) Reference Power Flow case to use in building the ADS production cost model (PCM). APFTF will also provide power flow related updates and analyses that cover solving and validating export hour(s) raw data from the PCM using the round-trip latest technology.

The APFTF is responsible for:

1. Updating the year 10 power flow case to be “PCM friendly”, to support the creation of the ADS.
 - a. Processing initial and post data using the round-trip to fix seams created by differing algorithms and representation of data between the two databases.
 - b. Adding incremental generators from the new Loads and Resources (L&R) to buses; verifying that they do not cause thermal overload and \or voltage violations. Ensuring power flow case convergence.
 - c. Moving generators if in prior year PCM and the bus numbers have changed to retain other data associated with generators in the PCM¹.
2. Working on a permanent fix to addressing differences in modeling behind-the-meter (BTM) photovoltaic (PV) (e.g., model consistent with Composite Load Model).
3. Coordinating with System Review Subcommittee (SRS) to track the resolution of any flagged issues during the development of the year 10 power flow case(s) planned to be used to initiate the build of the ADS PCM.
 - a. These flagged issues may be contained in reports produced by the SRS as part of releasing the review case and final base case versions of the power flow case(s) – e.g., the “Annual Base Case Compilation and Data Check Log” and “Steady-State and Dynamics Dashboard”

¹ Much of this work will be diminished overtime as WECC implements the proposed Resource Data Repository Process.

reports – or any other gap identified between the specifications of the applicable Data Preparation Manual (DPM) and the contents of the power flow case(s).

4. Reviewing and revising as needed the resource placement guideline that provides guidance for adding resource submissions that do not contain bus numbers.
5. Identifying bus numbers for resources in the L&R data submission that are not in the year 10 winter and summer power flow cases.
6. Adding or removing resources in the ADS Reference Power Flow Case consistent with resources in the L&R data submission.
7. Reviewing the draft ADS Reference Power Flow Case and providing changes to ensure the case is usable for the creation of the ADS PCM and PCM case export.
 - a. Addressing issues in the case including but not limited to overloads, voltage, and resource nameplate capacity differences between base case and L&R submission.
 - b. Documenting a method of verifying that the reference case is usable for the PCM.
 - c. Verifying through a PCM export of a power flow that the reference case and a PCM export are consistent.
8. Participating in solving and validating the exported hours in power flow cases from the ADS PCM.
9. Documenting assumptions, data development, and process in the Data Development and Validation Manual (DDVM).
10. Performing other tasks as assigned by PCDS.

Committee Composition and Governance

1. Membership

- a. The APFTF will be composed of members from WECC Member organizations with subject matter expertise in:
 - i. Regional Planning Group and International Planning Group within the Western Interconnection,
 - ii. Utility transmission planning functions; or
 - iii. Production Cost Data Subcommittee (PCDS).
 - iv. Others who would like to be members, but do not represent one of the above categories can request approval by the APFTF chair for membership.
- b. Members will be selected by their organization's PCDS representative or by their organization's WECC Member Representative if no PCDS representative exists.



- i. WECC Member organizations may have multiple members on the APFTF.
- ii. Notice of selection should be sent to the co-chairs.
- c. Members will serve until they resign or until a successor has been selected.
- d. The APFTF will also include a liaison, appointed by WECC management, as a member.

2. Leadership

- a. The chair of the PCDS will approve two of the APFTF 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. 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.
- d. WECC staff will prepare minutes of APFTF meetings for the committee's approval.
- e. The co-chairs may appoint a steering committee, which will include the WECC liaison, subgroup chairs, and may include other members, that will assist with meeting agendas and action recommendations.

3. Meetings

- a. The APFTF will meet as often as required to carry out its responsibilities.
 - i. Meetings will be held according to the WECC Meeting Policy.
 - ii. APFTF 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 majority of committee members.
- c. The APFTF will strive to make all decisions by consensus. If consensus is not possible, action taken by the APFTF will require a majority vote of the members present.
 - i. Voting may be by any means the co-chairs determines appropriate.
 - ii. Voting must take place in a noticed meeting.
 - iii. APFTF members may not vote by proxy or absentee ballot.
 - iv. Each WECC Member 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 APFTF 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.
 - 10 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.
 - 3 calendar days before virtual meetings and conference calls.
- f. Any person who wants notice of APFTF 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 APFTF will report to the PCDS on its activities and any recommendations.

Review and Changes to the Charter

The APFTF will review this charter every three years or as needed and make a recommendation to the PCDS for approval.

	Committee	Date
Approved	PCDS	April 26, 2023
Endorsed	JGC	August 4, 2023
Reviewed	APFTF	January 25, 2023

