

Request for Reconsideration of 2016 TEPPC Study Program

Recommended TEPPC Action

June 30, 2016

Background

In December, 2015, the WECC Board approved the [TEPPC Interim Planning Protocol 2015](#). The interim protocol, among other things, established a process and timeline for creating the 2016 TEPPC Study Program. WECC implemented the process specified in the protocol, although the date when some milestones were achieved varied somewhat from the interim protocol, as shown below:

Study Request Open Window:	January 1-31, 2016
2016 Study Program Development by Studies Work Group:	February 1 – April 30, 2016
Consideration of Draft 2016 TEPPC Study Program by Technical Advisory Subcommittee:	May 3, 2016
Approval of 2016 TEPPC Study Program by TEPPC:	May 4, 2016

The TEPPC Interim Planning Protocol establishes a window for stakeholders who disagree with study requests that were included in or excluded from the approved study program to submit a request for reconsideration after TEPPC approves the study program. Because TEPPC approved the 2016 TEPPC Study Program on May 4, 2016, rather than on April 12, 2016 as described in the interim protocol, WECC opened the window for stakeholders to submit requests for reconsideration on May 5, 2016 with any such requests due to WECC by June 3, 2016. On June 3, 2016, the California Independent System Operator (CAISO) submitted a request for reconsideration recommending that WECC remove 10 study cases from the 2016 TEPPC Study Program and modify an 11th study case. The CAISO subsequently modified its request to recommend removal of nine study cases and modification of a 10th.

Technical Advisory Subcommittee Consideration

In June 29, 2016, the Technical Advisory Subcommittee (TAS) met to consider the CAISO's recommendations. The CAISO presented its concerns and reasons for recommending the deletion or modification of each of the study cases in its request. Please see [CAISO Comments on 2016 TEPPC Study Program](#), posted on the TAS meeting web page, for details of the CAISO's concerns. In addition, study requestors and other TAS members presented arguments in favor of keeping the study cases in the 2016 TEPPC Study Program.



After discussing each of the CAISO's recommended deletions or modifications, TAS approved the following motion:

Moved: That TAS approves keeping all study cases included in the 2016 TEPPC Study Program as approved by TEPPC on May 4, 2016.

All except one of the 16 organizations represented at the TAS meeting supported the motion. However, the approval was not unanimous; the CAISO continues to recommend that nine study cases be removed from the 2016 TEPPC Study Program and that a 10th be modified. Please refer to Attachment A to this memo for detailed recommendations on specific study requests from the 2016 TEPPC Study Program.

Requested TEPPC Action

Consistent with the TEPPC Interim Planning Protocol, TEPPC must decide whether to accept or reject the CAISO's Request for Reconsideration. The following motion represents the majority position of TAS:

Moved: *That TEPPC approves keeping all study cases included in the 2016 TEPPC Study Program as approved by TEPPC on May 4, 2016 and as recommended by TAS on June 29, 2016.*

Attachment A: Recommended Actions on Request for Reconsideration

Study Case	Description	TAS Recommended Action	CAISO Recommended Action
2026 PC12	Year 10 study: High Renewables with 50% CA RPS and CPP via targeted CO ₂ prices	Keep in 2016 TEPPC Study Program	Remove from 2016 TEPPC Study Program.
2026 PC13	Year 10 study: Double EE per SB 350	Keep in 2016 TEPPC Study Program	Remove from 2016 TEPPC Study Program.
2026 PC17	10 year study: Add Compressed Air Energy Storage (1200 MW) at IPP STS's Delta (UT) site with High Renewables resource portfolio and Zephyr Wind Project (WY).	Keep in 2016 TEPPC Study Program	Keep study in 2016 TEPPC Study Program, but clarify that storage included in the study be "technology agnostic."
2026 PC18	10 year study: Double CAES storage capacity (PC 17)	Keep in 2016 TEPPC Study Program	Remove from 2016 TEPPC Study Program.
2026 PC19	10 year study: Double battery storage capacity in CA (1300 to 2600 MW) assuming High Renewables Portfolio.	Keep in 2016 TEPPC Study Program	Remove from 2016 TEPPC Study Program.
2026 PC20	10 year study: High Storage case assessment that integrates the studies PC 18 and PC 19	Keep in 2016 TEPPC Study Program	Remove from 2016 TEPPC Study Program.
2026 PC21	Year 10 assessment of how existing transmission (less specified CCTA projects) can accommodate wind additions in New Mexico (2500 MW) and Wyoming (2250 MW).	Keep in 2016 TEPPC Study Program	Remove from 2016 TEPPC Study Program.

Study Case	Description	TAS Recommended Action	CAISO Recommended Action
2026 PC22	Year 10 assessment that builds on 2026 PC 21 but with focus on examining North-South flows with increased RE in Southern CA and Southwest(AZ, NV, NM).	Keep in 2016 TEPPC Study Program	Remove from 2016 TEPPC Study Program.
2026 PC23	Year 10 assessment of North-South transmission flows with increased RE in Northern CA and Northwest (OR, WA, MT) followed by high-expansion case with high hydro conditions.	Keep in 2016 TEPPC Study Program	Remove from 2016 TEPPC Study Program.
2034 PC6	Analyze reliability issues (PF analyses) of 10-year Increased Renewables for California supplied by additional renewables in WY, CO, AZ, & NM	Keep in 2016 TEPPC Study Program	Remove from 2016 TEPPC Study Program.