



TEPPC 2011 Study Program Study Case Scoping Form

The purpose of this document is to define the overall scope of a TEPPC study case so that the study requestor, TEPPC, and the WECC staff have a common understanding of the expectations and limitations of the study that will be completed.

Study Case Name	High DSM/DG Study Case	Date of Adoption	Click here
Case Number	2022 PC4	Scoping Meeting Date	9/28/2011
Study Requestor	SPSC	Priority	High

Study Case Summary

The purpose of this study is to examine the impact of aggressive EE, DSM, and DG policies on transmission and capacity needs relative to the 2022 Common Case.

Key Questions To Be Answered/Addressed by the Study - *This information will be used to identify data inputs required for the study as well as key outputs that should be communicated back to the study requestor.*

1. Does the need for new transmission identified in the 2022 Common Case change with the deployment of aggressive EE, DSM, and DG policies?
2. How do congestion patterns change with the increased EE, DSM, and DG?
3. How much do planning reserve margins increase due to the additional EE, DSM, and DG?
4. How do production costs change in response to the additional EE, DSM, and DG?

Study Case Tasks

Requestor Tasks	Responsible Party	Estimated (Actual) Completion Date
1. Define "aggressive" EE, DG, and DSM policies	SPSC DSMWG	11/30
2. Identify load reductions (peak and energy) due to aggressive EE policies	SPSC DSMWG	11/30
3. Identify quantity/location of additional DSM resources to be modeled	SPSC DSMWG	11/30
4. Identify quantity/location of additional DG resources to be modeled	SPSC DSMWG	11/30
5. Specify modeling parameters for additional DG resources	SPSC DSMWG/E3	11/30
Staff or Work Group Tasks	Responsible Party	Estimated (Actual) Completion Date
1. Identify which utility-scale renewable resources modeled in the 2022 Common Case get displaced by the added DG resources	SWG	11/30
2. Asses the planning reserve margins by sub-region as a result of the lower loads and increased DSM/DG, and adjust the balance of resources as needed	SWG	12/16
3. Format data inputs for entry into PROMOD	WECC Staff	12/30
4. Run study	WECC Staff	1/31/2011

Key Study Limitations - *What issues will not be addressed by this TEPPC study due to limitations in time, resources, or modeling tools?*

1. LBNL and the SPSC DSMWG will investigate how costs associated with the increased deployment of EE, DSM, and DG may be estimated. At this time, however, the benefits of these programs/policies will be quantified only using the change in production cost relative to the 2022 Common Case.

Other Study Information – *link to background material (reports/analysis completed in support of study) and or study results*

[2011 SPSC Study Request](#)

The increased EE, DSM, and DG will be applied to the study incrementally so that the individual impact of each can be investigated.