

Idaho – WIEB SEP Project
Multistate Western Collaboration on Energy Planning
(DOE FOA 1073)

This is a two year project funded with a DOE EE/RE state energy planning (SEP) cooperative agreement. Idaho is the lead state and prime recipient. The Western Interstate Energy Board ([WIEB](#)), as a principal investigator, will provide staff and expertise for the project. The collaborating states include California, Colorado, Montana, Nevada, Oregon, Washington and Utah.¹ The collaborating organizations and territories include the Western Interconnection Advisory Body ([WIRAB](#)), Committee on Regional Electric Power Cooperation ([CREPC](#)), Western States Air Resources Council ([WESTAR](#)) and British Columbia.

The purpose of the project is to:

- Foster regional and state energy planning
- Identify opportunities for multi-state or region-wide collaborations to address emerging energy issues, such as air pollution compliance, integration of renewable energy and the expansion of distributed generation
- Develop a roadmap to advance the multi-state or regional collaborations identified

The central feature of this proposal is identifying and evaluating regional energy challenges and developing potential regional or multistate solutions within the Western Interconnection where they would be advantageous. This will be done by facilitating stakeholder and interagency discussions concerning: the future direction of the energy sector in the region including the role of increased energy efficiency and renewable energy; key regional challenges; and strategies for addressing those challenges. The challenges and strategies for addressing them will be explored through stakeholder engagement, scenario development, modeling, analysis, and related activities capitalizing on WIEB's relationship with key stakeholder groups in the West such as WIRAB, CREPC, WESTAR and the Western Electricity Coordinating Council ([WECC](#)).

The goal is to ensure that the integrated Western electric power system remains reliable in light of the changing energy landscape and emerging trends. This project will also inform states in development of their state specific policies.

The key components of the project include the following:

- **Foster Dialogue:** Identify key energy challenges in the West that would benefit from multi-state/regional collaboration and develop strategies to address these challenges.
- **Explore Strategies:** The strategies will be explored through an iterative process that includes stakeholder feedback and engagement and modeling and analysis. A key issue is the impact on reliability of emerging energy challenges and the strategies employed to address them.
- **Leverage Resources:** The project will leverage existing forums, working relationships with key organizations and current research.
- **Develop an Action Plan:** The final product will be a report that includes a roadmap to identify potential multi-state/regional solutions.

¹ These States submitted official letters of support. All Western Interconnection states are encouraged to participate in the project and some travel funds are available for state representatives from all Western Interconnection states for the four in-person meetings.

Overview of the Work Plan:

The project will leverage the semi-annual CREPC/WIRAB meetings to hold two in-person meetings of key stakeholders for this project each year: Spring 2015, Fall 2015, Spring 2016 and Fall 2016. At these meetings, WIEB staff will: provide research and draft materials developed between meetings for review by stakeholders; organize the presentation of current research by third parties on relevant topics to help inform discussions; and organize and facilitate stakeholder discussions on key issues and next steps in the project.

The development of key work products will be coordinated with the spring and fall stakeholder meetings so that drafts can be discussed and reviewed at these meetings. The project schedule is also coordinated with the expected timing for the final Clean Power Plan (CPP) rule and deadline for compliance plans.

Drafts of key work products will be developed by ID OER and WIEB staff based on engagement with the various working groups and review and analysis of key research, such as results and analysis of WECC modeling (see below). These drafts will be revised based on comments and guidance from the stakeholder discussions at the spring and fall meetings. Examples of key work products include: white paper on regional challenges, discussion paper proposing multi-state/regional solutions to consider, white paper identifying potential goals in working towards collaborative solutions and final report (action plan).

Western states 111(d) modeling work group (111d SWG), developed and managed by WIEB staff and composed of key stakeholders from around the West, will develop modeling scenarios and recommend other analyses, as needed, to develop and explore CPP compliance strategies. The scenarios and requests will be delivered to WECC which is committed to a flexible and aggressive modeling schedule given the time frame expected for CPP compliance. The working group will meet via webinars between the spring and fall meetings as needed throughout the project.

WIEB staff will facilitate and coordinate state representatives in developing and analyzing scenarios through the WECC-TEPPC process and interpret results of these scenarios such as a high renewables and a high coal retirement case. This will take place between the spring and fall meetings of this project.

Additional stakeholder engagement between the spring and fall meetings will be conducted via webinars as needed, for example, prior to the spring and fall meetings to review draft material and project updates, and towards the end of the project to engage in a more concentrated way on the final report.

We will move through the following stages in this project:

Baseline: Develop a picture of the current energy landscape in the West. This will include a white paper describing the energy sector and factors that affect it in the West and the challenges they present. It will also include inventory data such as load and resource data and the extent to which the region uses energy efficiency and renewable energy. The challenges identified in the white paper will be evaluated for their potential to benefit from this project.

Mapping (regional solutions): Through stakeholder engagement, review of key research, and the 111(d) SWG and TEPPC process, we will develop and explore potential solutions to the challenges prioritized for this project and explore various aspects of these solutions including their impact on reliability. The mapping, goals and road map stages are not entirely distinct or segregated; they will be flexible, may be iterative and to some extent will overlap.

Goals (potential collaborations): Building on the work described in the prior stages, we will develop potential goals for which the states and provinces could find common agreement in working towards collaborative solutions.

Road Map: The project will culminate in a report that identifies the steps or any additional work needed to provide western states with the information necessary to make decisions about multistate opportunities. The roadmap will link the project goals to the baseline.

Schedule

2015 January – April

- Staff develops baseline documents:
 - Regional Challenges White Paper
 - Inventory
- Staff working with the 111d SWG develops 111(d) scenarios for submission to WECC to test modeling capabilities prior to final CPP Rule
- Staff working with states develops study requests for submission to WECC through the TEPPC process

2015 April 6-7: First in-person stakeholder meeting to review and discuss:

- Goals and objectives of project*
- Issue paper and inventory*
- Spreadsheet modeling of alternative resource mixes for 111(d) compliance
- Scenarios proposed for WECC 111(d) test model run
- Update on WECC modeling results through TEPPC process

Project work product will be updated based on these discussions.

* In addition there will be a pre-meeting webinar on this topic

2015 May – October

- Staff works with states to review WECC TEPPC study results from 2014 study requests (which include, for example, high coal retirement and high renewable cases based on the 2022 common case)
- Staff continues to work with 111d SWG to develop modeling requests for WECC
 - May: 111d test scenarios delivered to WECC
 - June: WECC performs modeling
 - July: Staff works with 111d SWG to review results of WECC test run
 - August – October: Staff works with 111d SWG to develop modeling requests based on final CPP rule (expected to be published August 2015)
- Staff updates Inventory document based on new data from WECC.

2015 October: Second in-person stakeholder meeting to review and discuss:*

- WECC 111d modeling capability
- Study requests for WECC 111(d) modeling under the final CPP rule
- Updated inventory document
- Potential regional/multi-state solutions to explore for 111d compliance
- Areas of potential collaboration on 111d that are developing from the exploration of solutions and stakeholder feedback

Project work product will be updated based on these discussions.

* In addition there will be a pre-meeting webinars on some of these topics.

2015 November – 2016 April

- Staff finalizes updated inventory document
- Staff continues to works with 111d SWG to develop modeling requests for WECC
 - Study requests submitted to WECC
 - WECC performs modeling
 - Review of results by staff and 111d SWG
- Staff drafts paper on regional solutions to 111d
- Staff drafts paper on areas of potential multi-state or regional collaboration on 111d
- Staff continues to work with states on WECC, TEPPC study requests
 - Study requests submitted to WECC through the TEPPC process by January 2016

2016 April: Third in-person stakeholder meeting to review and discuss:*

- WECC 111d modeling results
- Draft paper on regional solutions to 111d
- Draft paper on of potential collaborations on 111d
- Study requests submitted to WECC TEPPC and any preliminary modeling results if available

Project work product will be updated based on these discussions.

* In addition there will be a pre-meeting webinars on some of these topics.

2016 April – October

- Staff continues to work with 111d SWG to develop modeling requests for WECC
- Staff continues to work with 111d SWG to review 111d modeling results from WECC
- Staff revises paper on regional collaborations on 111d
- Begin review of results from WECC TEPPC modeling
- Staff drafts paper on potential regional solutions to VER, DG, other
- Staff develops first draft of Roadmap (final report)

2016 October: Final in-person stakeholder meeting to review and discuss:*

- WECC 111d modeling results
- Revisions to paper on areas of potential collaboration on 111d
- Early results from WECC TEPPC modeling on last set of requests (VER, DG, other)
- Draft paper on regional solutions to VER, DG, other
- Draft paper on potential collaborations to VER, DG, other
- First draft of Road Map

Project work product will be updated based on these discussions.

* In addition there will be a pre-meeting webinars on some of these topics.

2016 November - December

- Staff continues to work with 111d SWG to develop modeling requests for WECC
- Staff continues to work with 111d SWG to review 111d modeling results from WECC
- Staff works with states to review modeling results from WECC, TEPPC from last set of study requests (VER, DG, other) (October – Jan.)
- Staff works with states to develop next set of study requests for WECC TEPPC (VER, DG, other) (Nov. –Jan)
- Webinars meetings with stakeholders conducted to review and revise Road Map
- Staff continues to revise Road Map

2016 December: Final road map published.

Project Schedule for FOA 1073																									
Year	2015												2016												2017
Quarter #	1			2			3			4			5			6			7			8			
Month #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Month	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	
WIRAB/CREPC/SPSC/WIEB meetings																									
1. Kickoff																									
1.1 Kick-off Stakeholder Meeting																									
2. Baseline																									
2.1 Draft Paper on Regional Challenges																									
2.2 Initial Inventory																									
2.3 Meeting on Baseline (Challenges & inventory)																									
2.4 Updated Issue Identification																									
2.5 Updated Inventory																									
3. Dialogue																									
3.1 WECC Study Requests on 111(d)																									
3.2 WECC Study Requests on VER, DG, Other																									
3.3 Meetings: Dialogue Groups (111(d), VER, DG, Other)																									
3.4 Add New Dialogue Groups (As needed)																									
3.5 Support New Dialogue Groups																									
4. Mapping																									
4.1 Review WECC Study Results on 111(d)																									
4.2 Draft Paper on Regional Solutions on 111(d)																									
4.3 Meeting on Regional Solutions on 111(d)																									
4.4 Review WECC Study Results on VER, DG, Other																									
4.5 Draft Paper on Regional Solutions on VER, DG, Other																									
4.6 Meeting on Regional Solutions on VER, DG, Other																									
5. Goals																									
5.1 Draft Paper on Areas of Potential Collaboration on 111(d)																									
5.2 Meeting on Areas of Potential Collaboration on 111(d)																									
5.3 Revise Paper on Areas of Potential Collaboration on 111(d)																									
5.4 Draft Paper on Areas of Potential Collaboration on VER, DG, Other																									
5.5 Meeting on Areas of Potential Collaboration on VER, DG, Other																									
5.6 Revise Paper on Areas of Potential Collaboration on VER, DG, Other																									
6. Roadmap																									
6.1 Draft Roadmap																									
6.2 Meeting to Review Draft Roadmap																									
6.3 Roadmap Webinars																									
6.4 Final Roadmap																									
Task linked to CREPC/SPSC meeting																									
Tasks not linked to CREPC/SPSC meetings																									