

# DFWG Objectives

Based on 3/29/18 Joint Ruling

Developed by Itron – 4/11/2018

## Objectives.

For purposes of discussion, the objectives listed in the Joint Ruling are numbered.

1. What is the estimated magnitude of uncertainty in circuit level forecasts and what are the implications for distribution planning and capacity for evaluation and feedback to mitigate uncertainties?
2. Are there data sets that could improve the IOUs disaggregation of Distributed Energy Resources (DER) growth to the circuit level?
3. What are the disaggregation methods of system level load and DER forecasts to the circuit level, what are the shortcomings and possible improvements?
4. What are the best data sources for disaggregation of load and DER adoption, as well as DER operational profiles?
5. What dispersion methods should be used to allocate circuit-level forecasts along a circuit?
6. How will the IOUs modify future forecasts based on evaluation of actual results in forecasts?
7. Does the DER disaggregation align with California Energy Commission (CEC) and California Independent System Operator's forecasting assumptions.

## General Categories

The seven (7) objectives are categorized into four main topics as listed below. These categories are used in the workplan grid.

### **1. Uncertainty.**

Objective 1 addresses identifying the uncertainties in the planning process.

### **2. DER Data.**

Objectives 2 and 4 address identifying the available DER data.

### **3. Methods.**

Objectives 3, 5, and 6 address identifying appropriate methods for disaggregation. Objective 3 examines the methods with their strengths and weaknesses. Objective 5 asks which method should be used. Objective 6 raises the issue of future modifications based on evaluation results.

### **4. Reconciliation.**

Objective 7 seeks to reconcile the methods with activities at the CEC and CAISO.

**Workplan Grid**

The following grid organizes how the objectives will be address through the course of the five meetings. Meeting 5 is allocated to address any missed or new topics that arise from the discussion.

<b>Objective</b>	<b>Meeting 1</b>	<b>Meeting 2</b>	<b>Meeting 3</b>	<b>Meeting 4</b>	<b>Meeting 5</b>
<b>Uncertainty (1)</b>	<ul style="list-style-type: none"> <li>• Develop a list of uncertainties</li> </ul>	<ul style="list-style-type: none"> <li>• Identify range of uncertainty and which may be mitigated</li> </ul>			
<b>DER Data (2), (4)</b>	<ul style="list-style-type: none"> <li>• Develop a list of DER</li> </ul>			<ul style="list-style-type: none"> <li>• Identify standard DER characteristics</li> <li>• Methods for developing characteristics including data sources.</li> <li>• Identify reasons for deviating from standard characteristics</li> </ul>	
<b>Methods (3), (5), (6)</b>	<ul style="list-style-type: none"> <li>• IOUs present their methods.</li> </ul>	<ul style="list-style-type: none"> <li>• IOUs present lessons learned on proposal from the 2018/19 planning cycles</li> <li>• Stakeholders present their methods</li> </ul>	<ul style="list-style-type: none"> <li>• Discuss calibration issues</li> <li>• Discuss future feedback issues</li> <li>• Discuss uses of specific area knowledge</li> </ul>		
<b>Reconciliation (7)</b>			<ul style="list-style-type: none"> <li>• CEC presents their disaggregation requirements</li> <li>• IOUs ability to update IEPR forecasts</li> </ul>		

While the grid highlights the intended topics for each meeting based on the Ruling, parties will be allowed to expand the discussion for each objective into other meetings as needed. For instance, while the discussion on Uncertainty is introduced in Meeting 1 and 2, parties will be allowed to continue the discussion in Meetings 3, 4, and 5 as needed.

With this understanding, the grid serves as an initial guide to the DFWG process and does not predetermine each meeting agenda. Meeting agendas will be developed on a week-to-week basis as the discussion develops.