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# Meeting Minutes

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## Resource Planning Advisory Council Modeling Committee – Virtual Meeting

**Date** Thursday, June 1, 2023

**Time** 9:00 AM – 10 AM MST

**Location** Online

### Agenda

9:00 Welcome & Introductions

9:15 Modeling Objectives

9:35 Training

9:50 Reference Case & Sharing Results

10:00 Next Meeting Time & Purpose

<b>Attendees</b>	<b>Organization</b>
<b>Alex Routhier</b>	Western Resource Advocates
<b>Alejandro Palomino</b>	Energy Strategy
<b>Autumn Johnson</b>	Arizona Solar Energy Industries Association
<b>Caryn Potter</b>	SWEEP
<b>Chaunce De Roos</b>	Arizona Corporation Commission
<b>Devi Glick</b>	Synapse
<b>Luke Hutchinson</b>	Arizona Corporation Commission
<b>Sandy Bahr</b>	Sierra Club
<b>Sabine Chavin</b>	Synapse
<b>Taylor McNair</b>	GridLab
<b>Brianna Robles</b>	TEP
<b>Ilse Morales Duarte</b>	TEP
<b>Jenny Crusenberry</b>	TEP
<b>Lee Alter</b>	TEP
<b>Mike Sheehan</b>	TEP
<b>Nonso Emordi</b>	TEP
<b>Victor Aguirre</b>	TEP

### Modeling Objectives

- RMC members offered the following goals and objectives of modeling TEP/UNSE's data:
  - Utilities' major assumptions (generation profiles, capacity contributions, etc.)
  - "Levers" in the model.
  - Sensitivity of results to fuel prices and other major assumptions.
  - Timing/impact of plant closures and seasonal operations.
  - Impact of technology and performance on portfolio costs (and reliability).
  - Impact of EPA's proposed CO<sub>2</sub> regulations
  - Contribution of EE to portfolio costs and resource adequacy.
  - Electrification and supply chain issues, particularly with batteries.
- Portfolio dashboards from prior IRP were helpful, but of limited help. Could be improved.

### Modeling Experience

- RPAC members themselves have no experience working directly with planning models, although some are familiar with them and with open-source models.
- Consultants on the RMC have experience with PLEXOS, Encompass, and other models but not Aurora.

### Implications for Training

- Coordinate with APS.
- Break into topical areas.
- Provide high-level overview for all, and in-depth opportunities for those running models.
- Avail ourselves as much as possible of Energy Exemplar's expertise, including understanding IT requirements and troubleshooting that doesn't involve TEP/APS data *per se*.

### Reference Case and Sharing Results

- To be discussed at future meeting.