

## **1. Welcome, Call to Order, Introductions**

Hari Singh, Energy Storage Modeling Task Force (ESMTF) Chair, called the meeting to order at 2:00 p.m. on August 19, 2020. A quorum was present to conduct business. A list of attendees is attached as Exhibit A. Mr. Singh asked attendees to introduce themselves.

## **2. Review WECC Antitrust Policy**

Bhavana Katyal, Engineer, read aloud the WECC Antitrust Policy statement. The meeting agenda included a link to the posted policy.

## **3. Approve Agenda**

Rachel Smith, Administrative Assistant, introduced the proposed meeting agenda.

**By consensus, the ESMTF approved the agenda.**

## **4. Review and Approve Previous Meeting Minutes**

Ms. Smith introduced the minutes from the meeting on July 22, 2020.

Mr. Singh suggested a correction to the action items.

**By consensus, the ESMTF approved the minutes from July 22, 2020.**

## **5. Review of Previous Action Items**

Ms. Katyal reviewed action items carried over from the ESMTF meeting on July 22, 2020. Action items that are not closed and will be carried forward can be found [here](#).

## **6. Guideline for Modeling Energy Storage Devices**

Mr. Singh reviewed the ESMTF Modeling Guideline outline including the priority for energy storage devices (ESD) technologies, recommended practices for modeling ESD, and both steady state (power flow and production cost model) as well as dynamic ESD.

The document is posted to the [WECC website](#).

Mr. Singh also reviewed the ESD Modeling Guideline draft and asked for additional comment from the ESMTF members.

**7. Public Comment**

No comments were received.

**8. Review of New Action Items**

There were no new action items created during this meeting.

**9. Upcoming Meetings**

September 16, 2020 .....Webinar

October 21, 2020 .....Webinar

**10. Adjourn**

Mr. Singh adjourned the meeting without objection at 3:09 p.m.



## Exhibit A: Attendance List

### Members in Attendance

Manuel Avendano ..... Southern California Edison Company  
Sudipto Bhowmik.....Burns & McDonnell  
Roberto Favela ..... El Paso Electric Company  
Rhett Hurless..... Absaroka Energy, LLC  
Bhavana Katyal.....WECC  
Hari Singh.....Public Service Company of Colorado (Xcel Energy)  
Matt Twardy.....Public Service Company of Colorado (Xcel Energy)  
Vin Vongvaravipatr..... Los Angeles Department of Water and Power

### Members not in Attendance

Jared Hansen .....Idaho Power Company  
Le Hui..... Pacific Gas and Electric Company  
Tracy Rolstad..... Power System Consultants, Inc.  
Radha Soorya ..... Navigant Consulting, Inc.

### Others in Attendance

Steve Ashbaker .....WECC  
Wesley Hannigan ..... Bonneville Power Administration  
Nicholas Hatton.....WECC  
Richard Maguire..... Electrical Consultants, Inc.  
Benjamin Pearman..... Los Angeles Department of Water and Power  
Kenneth Silver..... 8minute Solar Energy  
Rachel Smith.....WECC  
Shilpa Toppo ..... Mitsubishi Electric Power Products, Inc.

