Board Energy Resources & Customer Services Committee Meeting and Special SMUD Board of Directors Meeting

Date: Wednesday October 16, 2019
Time: 5:30 p.m.

Location: SMUD Customer Service Center, Rubicon Room
6301 S Street, Sacramento, CA

Powering forward. Together.
AGENDA
BOARD ENERGY RESOURCES & CUSTOMER SERVICES COMMITTEE MEETING
AND SPECIAL SMUD BOARD OF DIRECTORS MEETING

Wednesday, October 16, 2019
SMUD Customer Service Center, Rubicon Room
6301 S Street, Sacramento, California
Scheduled to begin at 5:30 p.m.

This Committee meeting is noticed as a joint meeting with the Board of Directors for the purpose of compliance with the Brown Act. In order to preserve the function of the Committee as advisory to the Board, members of the Board may attend and participate in the discussions, but no Board action will be taken. The Energy Resources and Customer Services Committee will review, discuss and provide the Committee’s recommendation on the following:

INFORMATIONAL ITEMS

1. Scott Martin
   Panel Discussion on Reducing Green House Gases – SMUD staff will provide the Board a summary presentation on SMUD’s 2018 Integrated Resource Plan followed by a panel of external subject matter experts who will discuss decarbonization and potential future options that may help SMUD achieve our environmental goals.

   Panel Participants:
   V. John White, Executive Director, Center for Energy Efficiency and Renewable Technologies (CEERT)
   Ed Smeloff, Director of Grid Integration, Vote Solar
   Bruce Nilles, Managing Director, Rocky Mountain Institute (RMI)

   Presentation: 45 minutes
   Discussion: 35 minutes

2. Public Comment

3. Brandon Rose
   Summary of Committee Direction.
   Discussion: 1 minute
Members of the public wishing to address the Committee should complete a sign-up form available at the table outside of the meeting room. Members of the public shall have up to three (3) minutes to provide public comment. The total time allotted to any individual speaker shall not exceed nine (9) minutes for the entire Committee meeting time.

Members of the public wishing to inspect public documents related to agenda items may call 916-732-7143 to arrange for inspection of the documents at the SMUD Customer Service Center, 6301 S Street, Sacramento, California.

NOTE: Accommodations are available for the disabled public. If you need a hearing assistance device or other aid, please call 916-732-7143 in advance of this Committee Meeting.
<table>
<thead>
<tr>
<th>TO</th>
<th>TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Frankie McDermott</td>
<td>8.</td>
</tr>
<tr>
<td>4. Nicole Howard</td>
<td>9. Legal</td>
</tr>
<tr>
<td>5. Stephen Clemons</td>
<td>10. CEO &amp; General Manager</td>
</tr>
</tbody>
</table>

**Consent Calendar**

<table>
<thead>
<tr>
<th>From (IPR)</th>
<th>Department</th>
<th>Mail Stop</th>
<th>EXT.</th>
<th>Date Sent</th>
</tr>
</thead>
</table>

**NARRATIVE:**

**Requested Action:** Panel Discussion on Reducing Green House Gases – SMUD staff will provide the Board a summary presentation on SMUD’s 2018 Integrated Resource Plan followed by a panel discussion of external subject matter experts who will discuss decarbonization and potential future options that may help SMUD achieve our environmental goals.

**Summary:** Per Board direction, a decarbonization panel discussion will be held at the October 16, 2019 ERCS meeting. Panelists will include V. John White (Executive Director, Center for Energy Efficiency and Renewable Technologies), Ed Smeloff (Director of Grid Integration, Vote Solar) and Bruce Nilles (Managing Director, Rocky Mountain Institute). Scott Martin, Director of Resource and New Business Strategy, will lead off with a SMUD 2018 IRP summary presentation followed by the panel discussion.

**Board Policy:** This agenda item supports SD-7 Environmental Leadership, SD-9 Resource Planning and SD-10 Innovation.

**Benefits:** The decarbonization panel discussion will offer insight into potential future options that may be available to help us achieve our environmental goals.

**Cost/Budgeted:** N/A

**Alternatives:** Not have a panel discussion.

**Affected Parties:** Resource and New Business Strategy

**Coordination:** Resource and New Business Strategy

**Presenter:** Scott Martin, Director of Resource and New Business Strategy

Panelists:
- V. John White, Executive Director, Center for Energy Efficiency and Renewable Technologies (CEERT)
- Ed Smeloff, Director of Grid Integration, Vote Solar
- Bruce Nilles, Managing Director, Rocky Mountain Institute (RMI)

**Additional Links:**

**Subject:** Panel Discussion on Reducing Green House Gases

**ITEM NO. (FOR LEGAL USE ONLY):**

**ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.**
V. John White, Executive Director
Center for Energy Efficiency and Renewable Technologies (CEERT)

V. John White is the Executive Director of the Center for Energy Efficiency and Renewable Technologies (CEERT), which he co-founded in 1990.

Beginning in 1974, John served as a senior policy consultant for various California State Assembly committees addressing environmental and energy issues. In 1983, he left the Capitol to establish an independent practice as a legislative advocate and political consultant, work that he continues today with local agencies and public-interest environmental groups.

Over his more than 40 year-year career, John has been involved in the drafting, negotiation, and passage of landmark legislation and innovative regulatory programs that have accelerated progress in air quality, renewable energy sources, and global warming mitigation. These measures include the California Clean Air Act, the Carl Moyer diesel emission reduction incentive program, the California Global Warming Solutions Act, the Renewable Portfolio Standard, and the California Solar Initiative. Over the years John's efforts and those of his colleagues have resulted in billions of dollars of investment in energy efficiency, low carbon fuels and electric vehicles, and renewable energy in California.

Ed Smeloff, Director of Grid Integration
Vote Solar

Ed Smeloff is a leader on Vote Solar's regulatory team. He is currently engaged in several California Public Utilities Commission regulatory proceedings including the development of the state's 2019-2020 Integrated Resource Plan and the review of investor-owned utilities' grid needs assessments as part of the Commission's ongoing Distribution Resource Planning process. He supports Vote Solar's regulatory staff working in 12 states to transform the electric power system by integrating solar power and other clean energy technologies at all scales.

He serves on the advisory board of GridLab, a non-profit organization that provides technical expertise to policy makers, advocates and other energy decision makers on the design operation and attributes of a flexible and dynamic grid.

Before joining Vote Solar, he worked for SunPower Corp. as its director of utility and power plant development and origination. There he was responsible for the development of more than a gigawatt of solar power plants now in operation across the United States.

Earlier in his career, he worked as a senior manager for commercial solar projects at Sharp Electronics in Southern California, as assistant general manager for electricity at the San Francisco Public Utilities Commission and as executive director of the Pace Law School Energy Project in New York.

He served for 10 years as an elected Board Member of the Sacramento Municipal Utility District from 1987 to 1997. He is the author of "Reinventing Electric Utilities: Competition, Citizen Action, and Clean Power".
BRUCE NILLES, Managing Director
BUILDING ELECTRIFICATION

Bruce is focused on replacing the remaining US coal fleet with clean energy and launching a major new initiative around building electrification—replacing fossil fuel burning in 70 million US buildings, efficiently.

BACKGROUND

For the past 15 years Bruce helped design, build and lead the Sierra Club's Beyond Coal Campaign. This Campaign played an important role in helping stop the construction of nearly 200 proposed coal plants and secure the retirement of more than one half of the existing US coal fleet. Previously he worked as a trial lawyer at Earthjustice and Counsel to the Assistant Attorney General for the US Department of Justice Environment and Natural Resources Division.

Bruce was recently awarded the Climate Breakthrough Award, a $2 million grant to launch the building electrification initiative. In 2015 he was recognized by Politico as one of the thinkers, doers and visionaries transforming American politics. At the Justice Department he received the highest award for staff with less than five years of service—for his work to file and settle the first federal cases addressing childhood lead-poisoning in rental housing.

EDUCATION & AWARDS

B.S., Geography, University of Wisconsin

J.D., University of Wisconsin Law School

Authored Works

- “Your Gas Stove Is Bad for You and the Planet.” The New York Times
- “Ditching fossil fuels can tackle affordable housing and climate change.” The Hill
<table>
<thead>
<tr>
<th>TO</th>
<th>TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Frankie McDermott</td>
<td>6.</td>
</tr>
<tr>
<td>2. Nicole Howard</td>
<td>7.</td>
</tr>
<tr>
<td>4.</td>
<td>9. Legal</td>
</tr>
<tr>
<td>5.</td>
<td>10. CEO &amp; General Manager</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Consent Calendar</th>
<th>Yes</th>
<th>X</th>
<th>No</th>
<th>Budgeted</th>
<th>Yes</th>
<th>No (If no, explain in Cost/Budgeted section)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FROM (IPR)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laura Lewis</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEPARTMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Legal Department</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAIL STOP EXT DATE SENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A311 6123</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NARRATIVE:

**Requested Action:** Committee discussion and consensus on any directives provided to staff during the Committee meeting.

**Summary:** Wrap up period at the end of each committee meeting to summarize various Board member suggestions and requests that were made at the meeting in an effort to make clear the will of the Board. Energy Resources & Customer Services Committee Chair, Brandon Rose, will summarize Board member requests that come out of the committee presentations for this meeting.

**Board Policy:** GP-4, Agenda Planning states the Board will focus on the results the Board wants the organization to achieve.

**Benefits:** Having an agendized opportunity to summarize the Board's requests and suggestions that arise during the committee meeting will help clarify the will of the Board.

**Cost/Budgeted:** N/A

**Alternatives:** Not summarize the Board's requests at this meeting.

**Affected Parties:** Board of Directors and Executive Staff

**Coordination:** Donna Lofton, Special Assistant to the Board

**Presenter:** Brandon Rose, Chair, Energy Resources & Customer Services Committee

**Additional Links:**

**Summary of Committee Direction**

ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.