

# **Board Strategic Development Committee Meeting and Special Board of Directors Meeting**

Date: Tuesday, August 10, 2021  
Time: Scheduled to begin at 5:30 p.m.  
Location: Virtual Meeting, Online

# AGENDA

## BOARD STRATEGIC DEVELOPMENT COMMITTEE MEETING AND SPECIAL SMUD BOARD OF DIRECTORS MEETING

Tuesday, August 10, 2021

Scheduled to begin at 5:30 p.m.

Zoom Webinar Link: [Join Strategic Development Committee Meeting Here](#)

Webinar ID: 161 462 2669

Password: 691576

Phone Dial-in Number: 1-669-254-5252

In accordance with the Governor's Executive Order N-29-20 and the Emergency Board Meeting Procedures adopted by the SMUD Board of Directors, the regular Board meeting and other public meetings are closed to the public to align with state, local, and federal guidelines and social distancing recommendations for the containment of the coronavirus.

Live video streams and indexed archives of meetings are available at:

[http://smud.granicus.com/ViewPublisher.php?view\\_id=16](http://smud.granicus.com/ViewPublisher.php?view_id=16)

Members of the public may register to provide verbal comments at an upcoming Board or Committee meeting by emailing a request to speak to [PublicComment@smud.org](mailto:PublicComment@smud.org). Please include the date of the meeting, name, and topic or agenda item the requestor wishes to speak on. The request may also be submitted while the meeting is in progress during the standard time for the agenda item or topic. **Pre-registration is strongly encouraged by no later than 3:00 p.m. on the day of the meeting.**

Members of the public may provide written public comments on a specific agenda item or on items not on the agenda (general public comment) by submitting comments via e-mail. Comments may be submitted to [PublicComment@smud.org](mailto:PublicComment@smud.org) and will be placed into the record of the meeting.

Members of the public that are listening to or watching the live stream of a Committee meeting and wish to comment on a specific agenda item as it is being heard may submit their comments, limited to 250 words or less, to [PublicComment@smud.org](mailto:PublicComment@smud.org), noting the agenda item number in the subject line. The Committee Chair may read comments for items on the agenda into the record, in his discretion, based upon such factors as the length of the agenda or the number of e-mail comments received. General public comment for items not on the agenda will not be read into the record but will be provided to the Board and placed into the record of the Board meeting if it is received within two hours after the meeting ends.

This Committee meeting is noticed as a joint meeting with the Board of Directors for 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 Policy Committee will review, discuss and provide the Committee's recommendation on the following:

## **INFORMATIONAL ITEMS**

1. Scott Martin Provide the Board with external and internal presentations followed by a panel discussion on **Load Flexibility**.

*Presenters and Panel Participants:*

Karen Herter, Ph.D.  
ENERGY COMMISSION SPECIALIST III  
CALIFORNIA ENERGY COMMISSION (CEC)

Mary Ann Piette  
SENIOR SCIENTIST  
LAWRENCE BERKELEY NATIONAL LABORATORY (LBNL)

Rachel Huang  
DIRECTOR, CUSTOMER & GRID STRATEGY  
SMUD

Presentation: 30 minutes

Discussion: 30 minutes

2. Public Comment

3. Gregg Fishman Summary of Committee Direction.  
Discussion: 1 minute

*Pursuant to Resolution No. 20-06-08 adopted on June 18, 2020, Emergency Board Meeting Procedures are in effect:*

*Members of the public may make either a general public comment or comment on a specific agenda item by submitting comments via email. Comments may be submitted to [PublicComment@smud.org](mailto:PublicComment@smud.org). Comments will be provided to the Board and placed into the record of the Committee meeting if it is received within two hours after the meeting ends.*

*Members of the public that are listening or watching the live stream of a Board meeting and wish to comment on a specific agenda item as it is being heard, may submit their comments, limited to 250 words or less, to [PublicComment@smud.org](mailto:PublicComment@smud.org). The Committee Chair may read the comments into the record, in his discretion, based upon such factors as the length of the agenda or the number of email comments received. Comments will be provided to the Board and placed into the record of the Committee meeting if it is received within two hours after the meeting ends.*

*Members of the public may register to provide verbal comments at an upcoming Board or Committee meeting by emailing a request to speak to [PublicComment@smud.org](mailto:PublicComment@smud.org). Please include the date of the meeting, name, and topic or agenda item the requestor wishes to speak on. The request may also be submitted while the meeting is in progress during the standard time for the agenda item or topic. **Pre-registration is strongly encouraged by no later than 3:00 p.m. on the day of the meeting.***

*ADA Accessibility Procedures: Upon request, SMUD will generally provide appropriate aids and services leading to effective communication for qualified persons with disabilities so that they can participate equally in this virtual meeting. If you need a reasonable auxiliary aid or service for effective communication to participate, please email [Toni.Stelling@smud.org](mailto:Toni.Stelling@smud.org), or contact by phone at (916) 732-7143, no later than 48 hours before this virtual meeting.*



SSS No.

CGS 2021-002

# BOARD AGENDA ITEM

## STAFFING SUMMARY SHEET

Committee Meeting & Date  
Strategic Development  
Committee, August 10,  
2021

Board Meeting Date  
N/A

TO		TO	
1.	Rachel Huang	6.	
2.	Scott Martin	7.	
3.	Lora Anguay	8.	
4.	Frankie McDermott	9.	<b>Legal</b>
5.	Gary King	10.	<b>CEO &amp; General Manager</b>

<b>Consent Calendar</b>	<input type="checkbox"/>	<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b> <i>If no, schedule a dry run presentation.</i>	<input type="checkbox"/>	<b>Budgeted</b>	<input checked="" type="checkbox"/>	<b>Yes</b>	<b>No</b> <i>(If no, explain in Cost/Budgeted section.)</i>
FROM (IPR) Obadiah Bartholomy	DEPARTMENT Customer & Grid Strategy				MAIL STOP B305	EXT. 6835	DATE SENT 7/27/2021		

**NARRATIVE:**

**Requested Action:** Provide the Board with external and internal presentations followed by a panel discussion on Load Flexibility.

**Summary:** Representatives from the California Energy Commission (CEC), Lawrence Berkeley National Laboratory (LBNL), and SMUD will provide presentations and engage in a panel discussion on Load Flexibility. The discussion will cover the CEC’s rulemaking on Load Management Standards, LBNL’s Cal Flex Hub and California Demand Response Potential Study, and SMUD’s efforts to enable Load Flexibility as part of our 2030 Zero Carbon Plan.

**Board Policy:** SD-4, Reliability; SD-9, Resource Planning; SD-10, Innovation  
*(Number & Title)*

**Benefits:** Increase the Board’s knowledge around the topic of Load Flexibility, different approaches to accessing it, tradeoffs in value and customer convenience, and current activities underway in the state and at SMUD. The presentations will also raise awareness of regulatory proceedings at the CEC that may require certain rate-related actions by SMUD in the next several years.

**Cost/Budgeted:** This informational item has no direct budgetary impact.

**Alternatives:** Do not hold a panel discussion on Load Flexibility; provide information via written report.

**Affected Parties:** Enterprise Strategy, Energy Delivery and Operations, Zero Carbon Energy Solutions, Customer & Community Services

**Coordination:** Board Office, Executive Office, Customer & Grid Strategy

**Presenter:** *Presenters & Panel Participants:*  
Karen Herter, Ph.D., Energy Commission Specialist III, California Energy Commission (CEC)  
Mary Ann Piette, Senior Scientist, Lawrence Berkeley National Laboratory (LBNL)  
Rachel Huang, Director, Customer & Grid Strategy, SMUD

**Additional Links:**

SUBJECT <b>Load Flexibility</b>	ITEM NO. (FOR LEGAL USE ONLY)
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ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.



**Karen Herter, Ph.D.**  
**Energy Commission Specialist III**  
**California Energy Commission (CEC)**

Dr. Karen Herter has worked in the energy field for over 25 years conducting field, lab and market research, policy development, and statistical analysis covering a range of topics related to load flexibility in response to time-varying prices.

In the aftermath of the California electricity crisis, Karen worked in Commissioner Rosenfeld's office at the California Energy Commission (CEC) to support the implementation of digital meters, time-varying rates, and price-responsive automation. Building on this experience, she transitioned to a focus on utility field research, contributing to the designs and evaluations of a portfolio of studies including the IOUs' Statewide Pricing Pilot and SMUD's Smart Pricing Options pilot.

In 2019, Karen returned to the CEC to lead an effort to modernize the Load Management Standards. Since then, Karen has worked with staff, stakeholders, and sister agencies to design and implement a statewide system for publishing machine-readable electricity rates, with the goal of enabling mass-market demand flexibility through customer-automated price response. This new Market Informed Demand Automation Server or "MIDAS" platform is currently undergoing beta testing and expected to go live in August 2021.



**Mary Ann Piette**  
**Senior Scientist**  
**Lawrence Berkeley National Laboratory**

Mary Ann Piette is a Senior Scientist and the Director of the Building Technology and Urban Systems Division in the Energy Technologies Area at Lawrence Berkeley National Laboratory.

She oversees Berkeley Lab's building energy research activities with the U.S. Department of Energy, and she is also the Director of the Demand Response Research Center. Mary Ann's work involves developing and evaluating new technology and building components, windows, controls, operations, simulation, whole building and electric load shape analysis and behavior. Her Division also conducts research in data center energy efficiency, industrial energy efficiency, and federal energy management.

Mary Ann has authored over 90 peer reviewed publications related to energy efficiency and demand response and has worked at LBNL since 1983. She is a board member of the American Council for an Energy Efficient Economy and of the OpenADR Alliance. Mary Ann has an MS in Mechanical Engineering from UC Berkeley and a Licentiate in Building Services Engineering from the Chalmers University of Technology in Sweden.







SSS No. BOD 2021-005
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## BOARD AGENDA ITEM STAFFING SUMMARY SHEET

Committee Meeting & Date Strategic Development 2021
Board Meeting Date N/A

TO				TO			
1.	Gary King	6.					
2.	Frankie McDermott	7.					
3.		8.					
4.		9.	<b>Legal</b>				
5.		10.	<b>CEO &amp; General Manager</b>				
<b>Consent Calendar</b>	<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b> <i>If no, schedule a dry run presentation.</i>	<b>Budgeted</b>	<b>Yes</b>	<input type="checkbox"/>	<b>No</b> <i>(If no, explain in Cost/Budgeted section.)</i>
FROM (IPR) Gregg Fishman / Donna Lofton		DEPARTMENT Board Office		MAIL STOP B307	EXT. 5079	DATE SENT 12/22/20	

**NARRATIVE:**

**Requested Action:** Provide a summary of committee direction from the Board to Staff.

**Summary:** During a Board discussion at the January 2017 Policy Committee, the Board requested having an on-going opportunity to do a 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. The Committee Chair 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.  
*(Number & Title)*

**Benefits:** Having an agenda opportunity to summarize the Board's requests and suggestions that arise during the committee meeting will help clarify what 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:** Gregg Fishman, Strategic Development Committee Chair

<b>Additional Links:</b>
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SUBJECT Summary of Committee Direction	ITEM NO. <i>(FOR LEGAL USE ONLY)</i>
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ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.