

Board Strategic Development Committee Meeting and Special Board of Directors Meeting

Date: Tuesday, August 3, 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 3, 2021

Scheduled to begin at 5:30 p.m.

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

Webinar ID: 161 429 9873

Password: 641910

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

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. 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 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, 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. Rachel Huang Provide the Board with external and internal presentations followed by a panel discussion on the technical and operational aspects of microgrids, the implementation of microgrid policy at the **California Public Utilities Commission (CPUC)**, and SMUD's consideration of microgrids in contributing to the achievement of the **2030 Zero Carbon Plan** goals and objectives.

Presenters and Panel Participants:

Jacqueline Baum, Engineer/Scientist III
Integration of Distributed Energy Resources (DER), Microgrids and Distributed Energy Resources Management Systems (DERMS)
ELECTRIC POWER RESEARCH INSTITUTE (EPRI)

Dr. Arindam Maitra, Senior Technical Executive
Integrated Grid Energy System (IGES)
Distributed Energy Resources (DER) Integration,
Energy Storage and Microgrids, Power Delivery and Utilization
ELECTRIC POWER RESEARCH INSTITUTE (EPRI)

Jessica Tse, Senior Regulatory Analyst –
Resiliency & Microgrids, Energy Division
CALIFORNIA PUBLIC UTILITIES COMMISSION (CPUC)

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. 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. The Board 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. 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, or contact by phone at (916) 732-7143, no later than 48 hours before this virtual meeting.

BOARD AGENDA ITEM

STAFFING SUMMARY SHEET

Committee Meeting & Date
Strategic Development –
08/03/21

Board Meeting Date
N/A

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

Consent Calendar		Yes	<input checked="" type="checkbox"/>	No <i>If no, schedule a dry run presentation.</i>	Budgeted	<input checked="" type="checkbox"/>	Yes	No <i>(If no, explain in Cost/Budgeted section.)</i>
FROM (IPR) Patrick McCoy	DEPARTMENT Customer and Grid Strategy			MAIL STOP B305	EXT. 5040	DATE SENT 7/16/2021		

NARRATIVE: Briefing on President Biden’s Energy Plan

Requested Action: Provide the Board with external and internal presentations followed by a panel discussion on the technical and operational aspects of microgrids, the implementation of microgrid policy at the California Public Utilities Commission (CPUC), and SMUD’s consideration of microgrids in contributing to the achievement of the 2030 Zero Carbon Plan goals and objectives.

Summary: Representatives from the Electric Power Research Institute (EPRI), the California Public Utilities Commission (CPUC) and SMUD will be presenting a panel discussion on August 3rd regarding microgrids. The discussion will cover the technical and operational aspects of microgrids, the implementation of microgrid policy at the CPUC (SB 1339, Chapter 566, Statutes of 2018) and SMUD’s consideration of microgrids in contributing to the achievement of the 2030 Zero Carbon Plan goals and objectives.

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

Benefits: Increase the Board’s knowledge of microgrids including technologies involved, operational modes, potential benefits of microgrids, and SMUD’s plan for determining the values and benefits associated with the potential development and operation of microgrids relative to the goals and objectives of the 2030 Zero Carbon Plan. Additionally, allows for the Board to gain an understanding of how the CPUC is implementing the policy requirements of the microgrid legislation SB 1339 for its own consideration of the policy obligations of publicly owned utilities per SB 1339.

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

Alternatives: Do not hold the panel discussion; receive an update via written report.

Affected Parties: Enterprise Strategy, Energy Delivery and Operations, Zero Carbon Energy Solutions

Coordination: Board Office, Executive Office, Customer and Grid Strategy

Presenter: *Presenters & Panel Participants:*
 Jacqueline Baum, Engineer/Scientist III
 Integration of Distributed Energy Resources (DER), Microgrids and Distributed Energy Resources Management Systems (DERMS), Electric Power Research Institute (EPRI)
 Dr. Arindam Maitra, Senior Technical Executive
 Integrated Grid Energy System (IGES), Distributed Energy Resources (DER) Integration, Energy Storage and Microgrids, Power Delivery and Utilization, Electric Power Research Institute (EPRI)
 Jessica Tse, Senior Regulatory Analyst
 Resiliency & Microgrids, Energy Division, California Public Utilities Commission (CPUC)
 Rachel Huang, Director, Customer & Grid Strategy, SMUD

Additional Links:

Jacqueline Baum
Engineer/Scientist III
Integration of DER,
Microgrids and DERMS
Electric Power Research Institute (EPRI)

Jacqueline Baum is an engineer and conducts research on Microgrid Integration and Distributed Energy Resources Management Systems (DERMS) at EPRI. She leads EPRI's growing work addressing microgrid requirements and challenges and proposing practical solutions to support advancement of microgrids.

She joined EPRI in 2020, bringing years of industry experience designing and implementing microgrid and DERMS control systems. She has worked as a power systems engineer for multiple DER controls vendors.

Jacqueline holds a B.S. in Electrical Engineering - Energy Systems from the University of British Columbia and an M.S. in Electrical Engineering from the University of Washington.

Dr. Arindam Maitra
Senior Technical Executive
Integrated Grid Energy System (IGES)
DER Integration, Energy Storage and Microgrids
Power Delivery and Utilization
Electric Power Research Institute (EPRI)

Dr. Arindam Maitra is a Senior Technical Executive at the Electric Power Research Institute (EPRI).

Over the years he has been responsible for leading and managing activities related to the power system infrastructure for plug-in hybrid vehicles, microgrids, and integrating distributed energy resources with distribution management systems.

Maitra received his Bachelor of Engineering degree from the Regional Engineering College, Nagpur, India, and holds a Master of Science and a doctorate degree in electrical engineering from Mississippi State University. Arindam is an active member in some of the working groups at IEEE and IAS.

Jessica Tse
Senior Analyst, Resiliency and Microgrids
Energy Division
California Public Utilities Commission

Jessica Tse is currently a Senior Analyst on the Resiliency and Microgrids team for the CPUC. Previously, she was the Distributed Energy Resources Specialist for the City and County of San Francisco, where she worked to facilitate the use of distributed energy resources, in support of the city's goal to achieve 100% renewable electricity by 2030.

Prior to joining SFE, Ms. Tse implemented the Low Income Weatherization Program, as the program manager at the Association for Energy Affordability, Inc., to provide energy efficiency upgrades, solar thermal and PV to multifamily buildings in disadvantaged communities statewide. Previously, she was part of Pacific Gas & Electric's energy procurement team where she managed Power Purchase Agreements of various types of renewable energy, from solar PV to cogeneration.

Ms. Tse holds a BS in Conservation Resource Studies from the University of California, Berkeley.

SSS No. BOD 2021-005

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.	Legal									
5.		10.	CEO & General Manager									
Consent Calendar		Yes	<input checked="" type="checkbox"/>	No <i>If no, schedule a dry run presentation.</i>		Budgeted		Yes	<input type="checkbox"/>	No <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

Additional Links:

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.