

Board Strategic Development Committee Meeting and Special Board of Directors Meeting

Date: Tuesday, February 9, 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, February 9, 2021

Scheduled to begin at 5:30 p.m.

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

Webinar ID: 160 985 4593

Password: 124699

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 her 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 a brief overview and introduction to external Industry Experts for panel discussion on **Grid Scale Solutions for a Zero Carbon Future.**

Janet Gail Besser
Managing Director
SMART ELECTRIC POWER
ALLIANCE (SEPA)

Introduction to panelist presentations and agenda for the first of three Industry Expert panels.

Jacqueline DeRosa
Vice President
Energy Storage Systems
AMERESCO

Provide presentation, **Grid Scale Energy Storage (and Other Technology) Solutions.**

Janice Lin
Founder and CEO
STRATEGEN AND GREEN
HYDROGEN COALITION

Provide presentation, **Green Hydrogen.**

Jeffrey Goldmeer, PhD.
Emergent Technologies
Director - Decarbonization
GE GAS POWER

Provide presentation, **Decarbonizing with Gas Turbines.**

Moderated Panel Discussion on **Grid Scale Solutions for a Zero Carbon Future.**

Moderator:

Janet Gail Besser, Managing Director
SMART ELECTRIC POWER ALLIANCE (SEPA)

Panel Participants:

Jacqueline DeRosa, Vice President, Energy
Storage Systems
AMERESCO

Janice Lin, Founder and CEO
GREEN HYDROGEN COALITION AND STRATEGEN

Jeffrey Goldmeer, PhD., Emergent Technologies
Director - Decarbonization
GE GAS POWER

Presentation: 45 minutes

Discussion: 60 minutes

INFORMATIONAL ITEMS (cont.)

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 her 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.

SSS No.
RSNBS 21-002

BOARD AGENDA ITEM

STAFFING SUMMARY SHEET

Committee Meeting & Date
Strategic Development
Committee, February 9,
2021

Board Meeting Date
N/A

TO				TO					
1.	Scott Martin			6.					
2.	Rachel Huang			7.					
3.	Frankie McDermott			8.					
4.	Gary King			9.	Legal				
5.				10.	CEO & General Manager				
Consent Calendar		Yes	No <i>If no, schedule a dry run presentation.</i>		Budgeted		Yes	No <i>(If no, explain in Cost/Budgeted section.)</i>	
FROM (IPR) Scott Martin				DEPARTMENT Resource and New Business Strategy			MAIL STOP	EXT.	DATE SENT
								6872	1/22/2021

NARRATIVE: Industry Experts Panel #3

Requested Action: Introduction to the Board and Industry Experts Panel Discussion on Grid Scale Solutions for a Zero Carbon Future.

Summary: Moderated by the Smart Electric Power Alliance (SEPA), this agenda item will feature a panel discussion among four recognized energy industry experts, under the theme of “Grid Scale Solutions for a Zero Carbon Future”. This is the third and final Industry Experts Panels that are intended to assist the Board and SMUD staff in its consideration and decision on the Zero Carbon Plan.

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

Benefits: Provide insight into the current state of emerging technologies and business models that can help SMUD achieve Zero Carbon by 2030, as well as the vision and potential development path we may see for new technologies in the future.

Cost/Budgeted: N/A

Alternatives: N/A

Affected Parties: All SMUD Departments will contribute to the development of the Zero Carbon Plan.

Coordination: Resource and New Business Strategy

Presenter: Scott Martin, Interim Chief Grid Strategy & Operations Officer
 Moderator: Janet Gail Besser, Managing Director, Smart Electric Power Alliance (SEPA)
 Panel Participants:
 Jacqueline DeRosa, Vice President - Energy Storage Systems, AMERESCO
 Jeffrey Goldmeer, Ph.D. Emergent Technologies Director – Decarbonization, GE Gas Power
 Janice Lin, Founder and CEO of Green Hydrogen Coalition and Founder and CEO of Strategen

Additional Links:

SUBJECT
Grid Scale Solutions for a Zero Carbon Future

ITEM NO. (FOR LEGAL USE ONLY)

ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.



Janet Gail Besser
Managing Director
Smart Electric Power Alliance

As Managing Director, **Janet Gail Besser** oversees strategy for the SEPA Pathways – Utility Business Models, Regulatory Innovation, Grid Integration and Transportation Electrification – and leads content development and execution for Regulatory Innovation. She brings to this role broad energy industry experience as a regulator, clean energy business association leader, utility executive, developer, consultant, and consumer advocate.

Previously, she was Executive Vice President of the Northeast Clean Energy Council (NECEC), Vice President, Regulatory Strategy and Policy at National Grid, Chair and Commissioner of the Massachusetts Department of Public Utilities, where she led electric industry restructuring, and an executive and expert consultant at Analysis Group and Lexecon. She also held senior staff roles at the Massachusetts Energy Office and New Hampshire Public Utilities Commission, served as policy director for a DC-based national independent power association, and began her career as a small hydro developer and low-income consumer advocate.

Janet is a nationally recognized expert on a wide range of energy policy issues with deep relationships across the industry. She earned a Master in Public Policy degree from the John F. Kennedy School of Government, Harvard University and a B.A., magna cum laude, from Williams College.

<https://www.linkedin.com/in/janetgailbesser/>



Jacqueline DeRosa is currently the Vice President of Energy Storage Systems at Ameresco where she strategically drives energy storage project development opportunities. She has over 20 years of experience in the US and international energy industry. Jacqueline's career has focused on both policy and regulatory reform, consulting, and commercial project development.

She is an expert in translating where rule changes are required to move projects into construction and commercial operation to ensure a reliable and resilient power grid in California.

Jacqueline is a well-known leader in the energy storage arena. She is in her second term as an elected Executive Board member of the national Energy Storage Association. In this role, she recently initiated and presented the new annual ESA Diversity and Inclusion award.

Before Ameresco, Ms. DeRosa was Vice President for Emerging Technologies at Customized Energy Solutions, where she advised clients on changing market rules and led nation-wide efforts to change the market rules to fairly integrate new technologies. Jacqueline worked for the California ISO in the energy policy, market design and account management areas. She has also worked on international energy sector restructuring matters for the United States Agency for International Development (USAID), and as a project developer for an independent power producer. She began her career at the Federal Energy Regulatory Commission. She has a B.A. from Rutgers University and an M.B.A. from George Washington University.



Janice Lin is the Founder and Chief Executive Officer of Strategen and the Founder and President of the Green Hydrogen Coalition. Janice has over 25 years of strategy experience and has distinguished herself as a leading clean energy changemaker. Janice co-founded and for a decade served as Executive Director of the California Energy Storage Alliance, where she helped create the world's most robust energy storage market. Janice is an internationally recognized thought leader in energy storage and grid decarbonization and won the 2019 Cleanie Award for Entrepreneur of the Year. In 2019 Janice launched the [Green Hydrogen Coalition](#), an educational non-profit dedicated to facilitating policies and practices to advance the production and use of green hydrogen in all sectors where it will accelerate the transition to a carbon free energy system.

Janice holds an MBA from the Stanford Graduate School of Business, a BS from the Wharton School, University of Pennsylvania, and a BA in International Relations from the University of Pennsylvania's College of Arts and Sciences.



Dr. Jeffrey Goldmeer is an Emerging Technologies Director at GE Gas Power. Jeff is responsible for developing and executing strategies for the decarbonization of gas turbine-based power plants. His primary focus is on the use of hydrogen as a zero-carbon power generation fuel, supporting GE's vision of accelerating decarbonization with gas turbine technology. He is co-creator and co-host of GE's new podcast, Cutting Carbon.

Jeff brings more than 19 years of experience in the energy industry. Prior to his current role, Jeff was the Director of Gas Turbine Fuel & Combustion Solutions for GE Gas Power, and before that he was the Manager of the Combustion Lab at GE's Global Research Center. Notable achievements include multiple commercial power projects that represent first of a kind fuel usage, including hydrogen blending in F-class turbines with dry low NO_x combustion systems, operation of a HA gas turbine on a blend of ethane and natural gas, as well as investigations on combustion acoustics and novel propulsion systems. Jeff has 12 patents on a variety of combustion and propulsion system technologies.

Jeff is a global industry speaker who has been recognized as providing technical leadership in the use of alternative fuels for power generation. His 2014 paper on the use of Arabian Super Light crude oil as a power generation fuel for F-class gas turbines in Saudi Arabia was recognized with the best paper award at PowerGen International.

Prior to joining GE, Jeff was a Senior Research Scientist at Southwest Sciences, and a National Research Council Research Associate at the NASA Glenn Research Center. His research focused on the development of new laser and optical based combustion diagnostics.

Dr. Goldmeer received his Ph.D. in Mechanical Engineering from Case Western Reserve University and his B.S. in Mechanical Engineering from Worcester Polytechnic Institute. His Ph.D. dissertation research at NASA focused on extinguishing fires in a low-gravity environment. As part of his research, Jeff performed these experiments onboard NASA's Reduced Gravity Lab (aka the vomit comet).

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		Budgeted		Yes		No (If no, explain in Cost/Budgeted section.)			
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. (FOR LEGAL USE ONLY)
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ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.