

Board Strategic Development Committee Meeting and Special SMUD Board of Directors Meeting

Date: Tuesday, November 12, 2024

Time: Scheduled to begin at 6:00 p.m.

Location: SMUD Headquarters Building, Auditorium
6201 S Street, Sacramento, CA

AGENDA

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

Tuesday, November 12, 2024
SMUD Headquarters Building, Auditorium
6201 S Street, Sacramento, California
Scheduled to begin at 6:00 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 Strategic Development Committee will review, discuss and provide the Committee's recommendation on the following:

Virtual Viewing or Attendance:

Live video streams (view-only) and indexed archives of meetings are available at:
http://smud.granicus.com/ViewPublisher.php?view_id=16

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

Webinar/Meeting ID: 160 914 5916

Passcode: 549347

Phone Dial-in Number: 1-669-254-5252 or 1-833-568-8864 (Toll Free)

Verbal Public Comment:

Members of the public may provide verbal public comment by:

- Completing a sign-up form at the table outside of the meeting room and giving it to SMUD Security.
- Using the "Raise Hand" feature in Zoom (or pressing *9 while dialed into the telephone/toll-free number) during the meeting at the time public comment is called. Microphones will be enabled for virtual or telephonic attendees when the commenter's name is announced.

Written Public Comment:

Members of the public may provide written public comment on a specific agenda item or on items not on the agenda (general public comment) by submitting comments via email to PublicComment@smud.org or by mailing or bringing physical copies to the meeting. Email is not monitored during the meeting. Comments will not be read into the record but will be provided to the Board and placed into the record of the meeting if received within two hours after the meeting ends.

INFORMATIONAL ITEMS

1. Bryan Swann Provide the Board with informational external and internal presentations and discussion on methane emissions, scope 1/2/3 emissions, and an overview of local emissions inventory in the Sacramento Region.

Presenters:

Dr. Stephanie L. Shaw
TECHNICAL EXECUTIVE AND PROGRAM MANAGER
ELECTRIC POWER RESEARCH INSTITUTE (EPRI)

Deborah Gordon
SENIOR PRINCIPAL IN THE CLIMATE INTELLIGENCE PROGRAM
ROCKY MOUNTAIN INSTITUTE (RMI)

Dr. Alberto Ayala
EXECUTIVE DIRECTOR
SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT
DISTRICT (SMAQMD)

Josh Langdon
DIRECTOR, POWER GENERATION
SMUD
Presentation: 60 minutes
Discussion: 20 minutes

2. Public Comment
3. Nancy Bui-Thompson Summary of Committee Direction.
Discussion: 1 minute

Members of the public shall have up to three (3) minutes to provide public comment on items on the agenda or items not on the agenda, but within the jurisdiction of SMUD. The total time allotted to any individual speaker shall not exceed nine (9) minutes.

Members of the public wishing to inspect public documents related to agenda items may click on the Information Packet link for this meeting on the smud.org website or may call 1-916-732-7143 to arrange for inspection of the documents at the SMUD Headquarters Building, 6201 S Street, Sacramento, California.

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 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 1-916-732-7143, no later than 48 hours before this meeting.

SSS No.

RS 24-005

BOARD AGENDA ITEM

STAFFING SUMMARY SHEET

Committee Meeting & Date
Strategic Development;
November 12, 2024

Board Meeting Date
n/a

TO	TO
1. Lora Anguay	6.
2. Frankie McDermott	7.
3. Farres Everly	8.
4. Scott Martin	9. Legal
5. Jose Bodipo-Memba	10. CEO & General Manager

Consent Calendar		Yes	<input checked="" type="checkbox"/>	No <i>If no, schedule a dry run presentation.</i>	Budgeted		Yes	<input checked="" type="checkbox"/>	No <i>(If no, explain in Cost/Budgeted section.)</i>
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FROM (IPR) Bryan Swann	DEPARTMENT Resource/Market Planning, & Settlements	MAIL STOP B205	EXT. 5534	DATE SENT 10/16/2024
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NARRATIVE:	
Requested Action:	Provide the Board with informational external presentations and discussion on methane emissions, scope 1/2/3 emissions, and an overview of local emissions inventory in the Sacramento region.
Summary:	Subject matter experts from the Electric Power Research Institute (EPRI), Rocky Mountain Institute (RMI) and the Sacramento Metropolitan Air Quality Management District (SMAQMD) will be presenting information on methane sources and its importance in the topic of climate change, scope 1/2/3 emissions, efforts and opportunities to reduce methane emissions, and local emissions inventories.
Board Policy: <i>(Number & Title)</i>	SD-7 Environmental Leadership; SD-9 Resource Planning
Benefits:	Provide the SMUD Board with information about methane emissions, scope 1/2/3 emissions, efforts and opportunities to reduce these emissions, and the local emissions inventories by source.
Cost/Budgeted:	NA
Alternatives:	Do not hold the panel discussion; receive an update via written report.
Affected Parties:	Resource and Market Planning, Power Generation, Environmental Services
Coordination:	Board Office, Executive Office, and Zero Carbon Energy Solutions
Presenter:	Bryan Swann, Director, Resource and Market Planning, and Commodity Settlements Dr. Stephanie Shaw, Technical Executive and Program Manager, Electric Power Research Institute (EPRI) Deborah Gordon, Senior Principal, Rocky Mountain Institute (RMI) Dr. Alberto Ayala, Executive Director, Sacramento Metropolitan Air Quality Management District (SMAQMD) Josh Langdon, Director, Power Generation

Additional Links:

SUBJECT Methane and Scope 1/2/3 Emissions Panel Discussion	ITEM NO. (FOR LEGAL USE ONLY)
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ITEMS SUBMITTED AFTER DEADLINE WILL BE POSTPONED UNTIL NEXT MEETING.



Dr. Stephanie L. Shaw
Electric Power Research Institute (EPRI)
Technical Executive and Program Manager

Dr. Shaw develops strategic research directions and manages a portfolio of technical work on the environmental impacts of fossil fuel technologies, energy storage and renewable generation, deep decarbonization strategies and emerging energy technologies. This covers air, water, and health impacts; life cycle assessment; and sustainability.

Dr. Shaw is grateful to have received grants on these topics from California Energy Commission, and served on advisory committees for several CEC emissions and air quality impact projects.

She has authored 60 peer-reviewed publications and served on the US EPA's Scientific Advisory Board for the Clean Air Status and Trends Network. She served on the Sustainable Electronics Recycling International R2 Standard PV Recycling workgroup. Her work has been discussed in Forbes and Nature.

Among other activities Dr. Shaw developed and leads research programs in Methane Characterization in Electric Utility Natural Gas Systems program and was an inaugural lead of the Safety and Environmental Issues Technical Subcommittee in the Low-Carbon Resources Initiative to ensure safe and responsible design and operations of future low-carbon technologies.

Dr. Shaw received a B.S. in chemical engineering, and a Ph.D. in atmospheric chemistry, from the Massachusetts Institute of Technology. Previously, Dr. Shaw was Senior Health Scientist at ChemRisk, Inc., and a National Oceanographic and Atmospheric Administration Climate and Global Change post-doctoral fellow in residence at the University of California, Berkeley.



Deborah Gordon
Rocky Mountain Institute (RMI)
Senior Principal

Deborah is a senior principal in RMI's Climate Intelligence Program, where she coleads the Oil and Gas Solutions Initiative. Gordon serves as a senior fellow at the Watson Institute of International and Public Affairs at Brown University and is an affiliate at the Brown Climate Solutions Lab. Her research spearheaded the development of the Oil Climate Index plus Gas (OCI+), a first-of-its-kind analytic tool that compares the life-cycle climate impact of global oil and gas resources. The OCI+ is the topic of Gordon's new book, *No Standard Oil* (Oxford University Press, 2022).

Background

Trained as a chemical engineer and policy analyst, Gordon is the former director of the Energy and Climate Program at the Carnegie Endowment for International Peace. She began her career with Chevron and directed the Energy Policy Program at the Union of Concerned Scientists. Gordon has taught at the Yale School of Environmental Studies and Brown University. She is a stakeholder in NASA's Carbon Monitoring System, and has testified before Congress and served on National Academy of Sciences panels. Gordon has co-authored articles in numerous academic journals, is published and quoted in media outlets, and is the author of three books and numerous book chapters.

Education

MPP, Public Policy, UC Berkeley
BS, Chemical Engineering, University of Colorado Boulder
Tau Beta Pi Engineering Honorary Society

Location

Providence, Rhode Island



Dr. Alberto Ayala, PhD, MSE
Sacramento Metropolitan Air Quality Management District (SMAQMD)
Executive Director

Dr. Ayala has 30 years of experience in industry, government, and academia. He leads the Sac Metro Air District, the regional authority responsible for meeting national air quality standards and implementing state and federal climate agendas. Prior to this position, he was Deputy Executive Officer at the California Air Resources Board, Professor of Engineering at West Virginia University, an international consultant, and Design Engineer with Teledyne Ryan Aeronautical.

Dr. Ayala serves on the board of several organizations and as advisor for various academic and governmental committees. He is a Senior Fellow of the American Leadership Forum. Trained as a mechanical engineer with BS, MS, and PhD degrees from UC Davis, he is a recognized expert on air quality and climate science and policy who has authored more than 160 peer-reviewed publications and reports. His graduate internships were with GE's Corporate Research Center in New York and the California Energy Commission.

He is a contributor to the book "*Ambient Combustion Ultrafine Particles and Health*" and author of the upcoming book "*3 Forks in the Road. Dieselpgate: the Volkswagen cheating scandal.*" Due to his role bringing Volkswagen to justice, he has appeared in numerous documentaries and media reports including the Netflix documentary *Dirty Money*.

SSS No.

BOD 2024-004

BOARD AGENDA ITEM

STAFFING SUMMARY SHEET

Committee Meeting & Date
**STRATEGIC
 DEVELOPMENT
 COMMITTEE - 2024**

Board Meeting Date
 N/A

TO	TO
1. Frankie McDermott	6.
2. Farres Everly	7.
3. Jose Bodipo-Memba	8.
4. Scott Martin	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	<input checked="" type="checkbox"/>	Yes	No <i>(If no, explain in Cost/Budgeted section.)</i>		
FROM (IPR) Nancy Bui-Thompson / Crystal Henderson				DEPARTMENT Board Office				MAIL STOP B304	EXT. 5424	DATE SENT 01/21/24

NARRATIVE:

Requested Action: A summary of directives is provided to staff during the committee meeting.

Summary: The Board requested an ongoing 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 to make clear the will of the Board. The Strategic Development Committee Chair will summarize Board member requests that come out of the committee presentations for this meeting.

Board Policy: *(Number & Title)* Governance Process GP-4, Board/Committee Work Plan and 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: There is no budgetary impact for this item.

Alternatives: Not to summarize the Board’s requests at this meeting.

Affected Parties: Board of Directors and Executive Staff

Coordination: Crystal Henderson, Special Assistant to the Board of Directors

Presenter: Nancy Bui-Thompson, Strategic Development Chair

Additional Links:

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