

## DOCKETED

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<b>Project Title:</b>	Development of the California Energy Commission Electric Program Investment Charge 2018 – 2020 Triennial Investment Plan
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<b>Document Title:</b>	Staff Workshop Potential Areas of Research on Climate Change for the Electricity and Natural Gas Systems
<b>Description:</b>	Agenda
<b>Filer:</b>	Doris Yamamoto
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**Staff Workshop**  
**on**  
**Actionable Climate Science for the Electricity and Natural Gas Sectors**

**March 16, 2017**

**1:00 p.m.**

**First Floor - Arthur Rosenfeld Hearing Room**  
**1516 Ninth Street, Sacramento, CA 95814-5512**

*(Listed times are general guidelines only)*

This staff workshop will provide an opportunity for stakeholders, interested federal, state, local agencies, and the public to participate in the scoping of climate science research for the the Electric Program Investment Charge (EPIC) 2018-2020 Investment Plan and 2016/17 Natural Gas (NG) Research Plan.

Energy Commission staff will provide a perspective on actionable energy-related climate science with examples from current and potential future research initiatives under EPIC and NG Research programs. Invited panelists and public participants will suggest how to enhance the practicality of the proposed research strategy to better inform climate adaptation planning for the energy sector.

**Welcome and Introductions** *(1:00 – 1:10 p.m.)*

Executive Director Robert Oglesby will open the workshop and welcome speakers and attendees.

**Robert Oglesby**, Executive Director, California Energy Commission

**Current and Prospective Climate Science Research for Natural Gas System: Methane emissions** *(1:10 – 1:45 p.m.)*

This section will include a brief overview of California Energy Commission's Natural Gas Research program focusing particularly on climate-related challenges for the natural gas system followed by a panel discussion.

**Methane Emissions from the Natural Gas System: CEC Research Strategy**

**Guido Franco**, Team Lead for Climate Change and Environmental Research,  
California Energy Commission

**Research Aircraft for Emission Identification and Measurement from Point or Area Sources**

**Dr. Stephen Conley**, Atmospheric Scientist at UC Davis and President of  
Scientific Aviation

**Prospective Field Study Identifying and Quantifying Methane Emissions in Southern Part of San Joaquin Valley**

**Dr. Katharina Snyder**, Research Lead on Environmental Chemistry and Technologies, California Energy Commission

**Panel A: Technical Comments and Observations to Make Future Research Efforts More Actionable (1:45 – 2:15 p.m.)**

**Timothy O'Connor**, Director of Oil & Gas Program, Environmental Defense Fund

**Riley Duren**, Principal Engineer and Chief Systems Engineer for the Earth Science Directorate, NASA's Jet Propulsion Laboratory

**Dr. Christian Frankenberg**, Associate Professor of Environmental Science & Engineering, California Institute of Technology

**Public Comments (2:15 – 2:30 p.m.)**

**Current and Future Climate Science Research for the Electricity System (2:30 – 3:40 p.m.)**

This section will give a brief overview of the current energy-related climate science projects in the EPIC program's research portfolio. Energy Commission staff will share draft ideas on how to tackle and resolve climate-related challenges for the electricity sector under the 2018-2020 EPIC Triennial Investment Plan and ensure the portfolio considers impacts and benefits to disadvantaged communities.

**Current EPIC Research Portfolio on Energy-Related Climate Change Science and Proposed Strategy for the New EPIC Triennial Investment Plan**

**Dr. Susan Fischer Wilhelm**, Research Lead on Climate Change, California Energy Commission

**Potential Grid Disruptions in the Los Angeles Region Due to High Temperatures**

**Dr. Stephanie Pincetl**, Director and Professor-in-Residence, California Center for Sustainable Communities at UCLA

**Long-Term Energy Scenarios can be Designed to be Less Vulnerable to Climate Impacts**

**Dr. Max Wei**, Program Manager, Lawrence Berkeley National Laboratory

**Working with IOUs to Identify Climate Vulnerabilities and Adaptation Options**

**Dr. John Radke**, Associate Professor of City & Regional Planning, Landscape Architecture & Environmental Planning and Urban Design, UC Berkeley

**Potential Projects for Urban Areas in the San Joaquin Valley; A Holistic Perspective on Energy and Environmental Issues**

**Guido Franco**, Team Lead for Climate Change and Environmental Research, California Energy Commission

**Sonya Ziaja**, Research Lead on Energy-Water-Climate Nexus, California Energy Commission

**Panel B: Technical Comments and Observations to Make Future EPIC Climate Science Research Efforts More Actionable. (3:40 – 4:30 p.m.)**

**Dr. Hilda Blanco**, Research Professor and Interim Director of USC Center for Sustainable Cities, University of Southern California

**Dr. George Ban Weiss**, Assistant Professor for Civil and Environmental Engineering, University of Southern California

**Dr. Paula Scalingi**, Executive Director, Bay Area Center for Regional Disaster Resilience

**Stephanie Wang, J.D.**, Policy Director, California Housing Partnership Corporation

**Laiseng Saechao**, Policy and Research Associate, Asian Pacific Environmental Network

**Public Comments (4:30 – 4:55 p.m.)**

**Next Steps and Concluding Remarks (4:55 – 5:00 p.m.)**

**Laurie ten Hope**, Deputy Director, California Energy Commission

**Adjourn**