

## DOCKETED

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## **AGENDA: 2016 Joint IEPR Workshop on Climate Adaptation and Resiliency for the Energy Sector**

**Tuesday, June 21, 2016**

**Beginning at 9:30 AM**

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

*(Listed times are general guidelines only.)*

### **Agenda**

This joint agency workshop will provide an opportunity for Commissioners, stakeholders, interested federal, state, and local agencies, as well as the public to participate in the discussion about current climate adaptation policies and programs for the energy system in California. Presentations will review recent climate adaptation policies, new enhanced climate and sea level rise scenarios, and currently available tools for energy planning taking climate change into account. Furthermore, this workshop will address the efforts of publicly-owned and investor-owned utilities to increase the resiliency of their energy system to climate impacts. This event builds from past Integrated Energy Policy Report (IEPR) workshops on climate adaptation issues.

A quorum of Commissioners from the California Energy Commission and/or the California Public Utilities Commission (CPUC) may be in attendance, but no votes will be taken.

### **Welcome and Introductions (9:30 – 10:00)**

Karen Douglas, Lead Commissioner, California Energy Commission

Robert B. Weisenmiller, Chair, California Energy Commission

Liane M. Randolph, Commissioner, California Public Utilities Commission

Ken Alex, Senior Policy Advisor to Governor Brown and the Director of the Office of Planning and Research

Kevin Hunting, Chief Deputy Director, California Department of Fish and Wildlife

JR DeLaRosa, Special Assistant for Climate Change, California Natural Resources Agency

## **Statewide Approaches to Climate Adaptation in the Energy Sector (10:00 – 11:10)**

This section will include brief updates on new policies and programs at the national, state, and regional levels focusing on energy issues.

### ***Recent California Adaptation Laws and Executive Orders: Implications to the Energy System***

Dr. Louise Bedsworth, Deputy Director, Governor's Office of Planning and Research

### ***CPUC/CEC Adaptation Working Group***

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

Kristin Ralff-Douglas, Senior Policy Analyst, California Public Utilities Commission

### ***State of California Sea-Level Rise Guidance Document***

Deborah Halberstadt, Deputy Secretary for Ocean and Coastal Matters, California Natural Resources Agency

### ***Introduction to the California Coastal Commission's Adopted Sea Level Rise Policy Guidance***

Dr. Lesley Ewing, Senior Coastal Engineer, California Coastal Commission

### ***Building Resiliency for All Hazards***

Christina Curry, Deputy Director for Planning, Preparedness, and Prevention, California Governor's Office of Emergency Services

## **Examples of Available Tools for Climate Vulnerability Assessment of the Energy Sector (11:10 – 11:50)**

Presentations in this section will give a brief overview and demonstration of tools that are applicable to climate adaptation planning for the energy sector with an emphasis on new capabilities.

### ***Cal-Adapt***

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

### ***CoSMoS***

Dr. Patrick Barnard, Coastal Geologist, US Geological Survey

### ***Climate Console***

Dr. James Strittholt, President/Executive Director, Conservation Biology Institute

## **LUNCH BREAK (11:50 – 12:50)**

### **Selecting Climate Scenarios for the Energy System (12:50 – 1:45)**

This section will highlight new climate and sea level rise scenarios developed for the energy sector and to be used for California's Fourth Climate Change Assessment and proposed for adoption in the IEPR for statewide energy planning. Workshop participants and attendees will discuss how these scenarios are being used and how they could be used.

**Moderator and Staff Presentation:** Guido Franco

#### ***Proposed Climate Simulations for California and “Probabilistic” Sea Level Rise Scenarios***

Dr. Daniel Cayan, Director of the Climate Research Division, Scripps Institution of Oceanography

#### ***Climate Scenarios for California Using a Dynamic Regional Climate Model***

Katharine Reich, Associate Director, UCLA Center for Climate Change Solutions, Institute of the Environment and Sustainability

### **Adaptation Efforts: A Practitioner Panel Discussion (1:45 – 4:50)**

This section will present information about climate adaptation planning efforts and implementation programs for the energy sector. Panelists will share their experiences on how they are using the information. This will lay the foundation for a discussion on methodology, data sources and data gaps, and how the information should be used.

#### **Framing Presentation**

##### ***Linking Climate Scenarios to Planning and Decision Making***

Dr. Susanne Moser, Social Science Research Fellow, Woods Institute for the Environment at Stanford University

### **Practitioner Panel 1: Agencies and Stakeholders (2:00 – 3:10)**

#### **Moderator: Dr. Louise Bedsworth**

Larry Greene, Vice Chair, Alliance of Regional Collaboratives for Climate Adaptation

Neil Millar, Executive Director of Infrastructure Development, California Independent System Operator

Whitney Albright, Climate Science Lead, California Department of Fish and Wildlife

David Fink, Policy Director, Climate Resolve

Peter Gleick, President, Pacific Institute

## **Practitioner Panel 2: Publicly Owned and Investor Owned Utilities (3:10 – 4:50)**

### **Moderator and Framing Presentation**

#### ***Climate Change Vulnerability Assessments by the IOUs: Summary of Recent Vulnerability Reports Submitted by the IOUs***

Dr. Craig Zamuda, Senior Policy Advisor, Climate Resilience Partnership, U.S. Department of Energy

Nancy Sutley, Chief Sustainability and Economic Development Officer, Los Angeles Department of Water and Power

Tim Tutt, Government Affairs Representative, Sacramento Municipal Utility District

Scott Tomashefsky, Regulatory Affairs Manager, Northern California Power Agency

Barry Anderson, Vice President, Electric Distribution, Pacific Gas and Electric Company

Adam Smith, Program Manager for Climate and Air Policy, Southern California Edison

Brian D'Agostino, Meteorology Program Manager, San Diego Gas & Electric

### **Public Comment**

### **Concluding Remarks**