

DOCKETED

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Developing a Flexible, Regional Approach to Climate Resilience

2017 IEPR Joint Agency Workshop on Climate Adaptation and Resilience for the Energy System

Melissa Lavinson
Vice President, Federal Affairs and Policy;
Chief Sustainability Officer
Pacific Gas and Electric Company

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Together, Building
a Better California

Recommendations to the State:

Our **collective success** requires greater **coordination, collaboration, and engagement** early on and throughout resilience work

It is essential to institute a **State coordination role** to reduce duplication and ensure that resilience action, data requests, and research are broadly **accessible, used, and useful**

1

Create and manage a “**Climate Resilience Clearinghouse**” to increase access to data and efficiency of its use across all agencies and stakeholders

2

Create a **regional governance structure** to help local governments coordinate and leverage resilience action (e.g., AQMDs)

3

Design a **process** to engage gas and electric companies in resilience research before awards are made to ensure State-funded research **leverages and does not duplicate existing energy company research**

4

Convene a **joint-agency workshop on climate resilience metrics** to help track California’s resilience action and successes



PG&E's Mission, Vision and Culture

Our Mission

To safely and reliably deliver affordable and clean energy to our customers and communities every single day, while building the energy network of tomorrow.

Our Vision

With a sustainable energy future as our North Star, we will meet the challenge of climate change while providing affordable energy for all customers.

Our Culture

We put safety first.

We are accountable. We act with integrity, transparency and humility.

We are here to serve our customers.

We embrace change, innovation and continuous improvement.

We value diversity and inclusion. We speak up, listen up and follow up.

We succeed through collaboration and partnership. We are one team.



Together, Building
a Better California



Increasing Climate Resilience: Community Engagement

- Governments, communities and organizations are **showing increasing interest** in climate resilience
- We are **all in this together**: no one entity is responsible (or can be responsible) for climate resilience
- We all must work in partnership in support of a **Flexible, Regional Approach to Climate Resilience**

Legal Requirements

California law (SB 379) requires all cities and counties to include climate adaptation and resiliency strategies in the safety elements of their revised general plans beginning January 1, 2017

State Processes

Integrated Climate Adaptation and Resiliency Program
Technical Advisory Council
(PG&E is a Council member)

Regular updates to Cal-Adapt

Philanthropic Investments

Rockefeller Foundation's *Resilient By Design* is investing \$2.5 million this year in 10 resilience projects around the San Francisco Bay Area (PG&E is on the Research Advisory Board)

State Funding

CEC funds climate resilience research and contributions to California's 4th Assessment
SB 1 provides \$20 million over 3 years in climate change adaptation planning grants geared at transportation





Summary of PG&E's Current Resilience Work

- **Risk Assessment Mitigation Phase (RAMP)** filing (November 2017)
- **Climate Resilience Screening Tool** in development to assess risks for large infrastructure projects
- **Visualization maps** to explore climate risk
- **Better Together Resilient Communities Grant Program:** \$1 million over five years in grants to support local initiatives to build greater climate resilience



Outcomes & Goals

- **Guide PG&E action** to reduce climate risk for the company, our employees, and our customers
- Improve understanding of **potential risk to assets** (e.g., from sea level rise and storm surge)
- Aid in **communicating risk & resilience strategies** across the company and with local stakeholders
- Inform **system-wide management** of climate change resilience planning
- Explore **interactions across climate hazards**, such as a prolonged heat wave in conjunction with extended drought



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