

Air District Support for Paris Climate Agreement

Climate Protection Committee Meeting
July 20, 2017

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Global Cooperation on Climate Change

Climate protection requires:

- Global cooperation
- Action at all levels of government

Paris Agreement signed in December 2015:

- Each nation determines & reports on its contribution to reducing greenhouse gas (GHG) emissions
- Support from both developed & developing world
- Signed by 195 nations
- Ratified by 153 nations (to date)



Trump Administration Action

Despite strong support for staying in the Paris Agreement among the American public, business community, and key allies...

On June 1, President Trump announced that the United States will withdraw from the agreement

- Article 28 of Paris Agreement defines process for withdrawal
- Earliest effective date would be November 4, 2020

Potential ramifications:

- Loss of American credibility & leadership
- Erosion of international support
- Lack of progress in reducing GHG emissions at national scale



Response to Trump Announcement

At international level, renewed support for Paris Agreement

Within the US, major push-back by state and local governments, the business community, and higher education institutions

Vacuum at national level highlights the opportunity and need for leadership & action by state, regional, local government agencies



Action by Bay Area Governments

As of July 13:

- 39 Bay Area cities have signed “Climate Mayor’s Pledge” to continue & intensify their climate protection efforts
- The counties of Alameda, San Francisco, San Mateo, and Santa Clara have adopted resolutions affirming their support of the Paris Agreement



Potential Air District Response

- Join the Under2 Coalition: commitment to substantive action by sub-national gov't entities
- Sign the “We Are Still In” letter for states, cities and counties, businesses and higher education institutions
- Track emerging efforts such as Governor Brown’s recent “America’s Pledge” initiative
- Continue aggressive implementation of the regional climate protection strategy & 2050 vision described in the 2017 Clean Air Plan



Air District Response

The Under 2 Coalition (see Attachment A)

- Established in 2015 to highlight important role that sub-national governments play in protecting the climate
- Join a *Global Climate Leadership MOU*:
 - Limit global warming to no more than 2⁰ C
 - Pursue reducing GHGs 80% below 1990 levels by 2050
 - Provide information on our GHG reduction goal and strategy
 - Share best practices and collaborate where appropriate

The “We Are Still In” letter (see Attachment B)

- Letter in support of Paris Agreement - has been signed by hundreds of government entities, businesses, universities, and foundations



Recommendation

To demonstrate the Air District's support for the Paris Agreement, staff recommends that the Climate Protection Committee recommend that the Board of Directors approve:

- Joining the Under2 MOU, and
- Signing the “We Are Still In” letter

Bay Area Model Ordinance Project

**Climate Protection Committee Meeting
July 20, 2017**

**Yvette DiCarlo
Advanced Projects Advisor**



Today's Overview

- Status of solar energy in California and Bay Area
- Project background
- Requirements of the model solar ordinance
- Elements of solar ordinance toolkit
- Next steps



Why Rooftop Solar, Why Now?

Solar Briefly Topped 50% of California Electricity in March, Driving Rates Below Zero

[David Z. Morris](#)

Apr 08, 2017

Rooftop solar installations rising but pace of growth falls

By **Ivan Penn**

JUNE 15, 2017 2:00 PM

June 1, 2017

Groundbreaking Clean Energy Storage Initiative Passes California Senate

BILL TO CREATE \$1.4 BILLION IN CONSUMER REBATES FOR ENERGY STORAGE ADVANCES TO THE ASSEMBLY

Trump Will Withdraw U.S. From Paris Climate Agreement

By MICHAEL D. SHEAR JUNE 1, 2017



Solar Initiatives in California

- State solar leadership started with California Solar Initiative in 2006 (SB 1)
 - Million Solar Roofs -- 3,000 megawatts by 2016
- California Energy Commission's New Solar Homes Partnership Initiative (2007)
 - 50% of all new homes to have rooftop solar by 2020
 - 360-megawatt goal – 60% of goal reached



Solar Energy in Bay Area

Solar capacity in the Bay Area (as of 10/16):

- Installed = 1,197 megawatts
- Pending = 30 megawatts

Enough to power more than 250,000 homes

Aligns with 2017 Clean Air Plan goals

- Increase renewable energy generation in the building sector
- Decarbonize buildings



The Model Solar Ordinance Project

Achieves State, Regional and Local Goals

State

- CEC working towards zero-net energy goals
- CEC seeks partners to promote model ordinance

Regional

- BARC helps coordinate climate change efforts
- Helps implement Air District's Clean Air Plan

Local

- Implement Climate Action Plans



Regional Partners



The top of the slide features a photograph of the Golden Gate Bridge in San Francisco, California. The bridge's iconic orange-red towers and suspension cables are visible against a clear blue sky. In the foreground, the water of the bay is visible, and a small building is situated on the left side of the frame.

Stakeholder Input

- Local government focus group
- Interviews with cities and counties
- On-going discussions with CEC staff
- Attended model solar ordinance workshop in Sacramento (April 2017)
- Input from BayREN forum (June 27)



Model Solar Ordinance

Requirements

- Offset 80% of a new home's electricity use
- Single family and low-rise multi-family
- Various methods to determine capacity
 - Climate zone
 - Home size
- Exceptions

Supporting Toolkit

- User Guide
- Bay Area Ordinance Template
- Approval Process
- Outreach Materials
- Resources



What's in the Toolkit?

User Guide

- State Energy Code and Local Reach Codes
- Optional Enhancements
- Cost-effectiveness Study





What's in the Toolkit?

Bay Area Ordinance Template (editable)

- Very similar to CEC's draft ordinance
- Added clarity and text typically used in local government ordinances

Ordinance Adoption and CEC Approval Guide

- Staff report (editable)
- CEQA compliance statements
- Filing checklist

Outreach Materials Packet



Benefits of the Toolkit

- Reduce greenhouse gases and improve air quality
- Assist local governments with limited resources
- Bay Area first air district to develop guidance
- Regional coordination
- Framework for other model ordinances

Toolkit Launch and Next Steps

- Toolkit on-line mid-August
- Kick-off in early-September
- Provide follow-up assistance to local governments
- Presentations to city councils and community groups

