

**Statewide Energy Efficiency Collaborative Forum  
June 20, 2013**

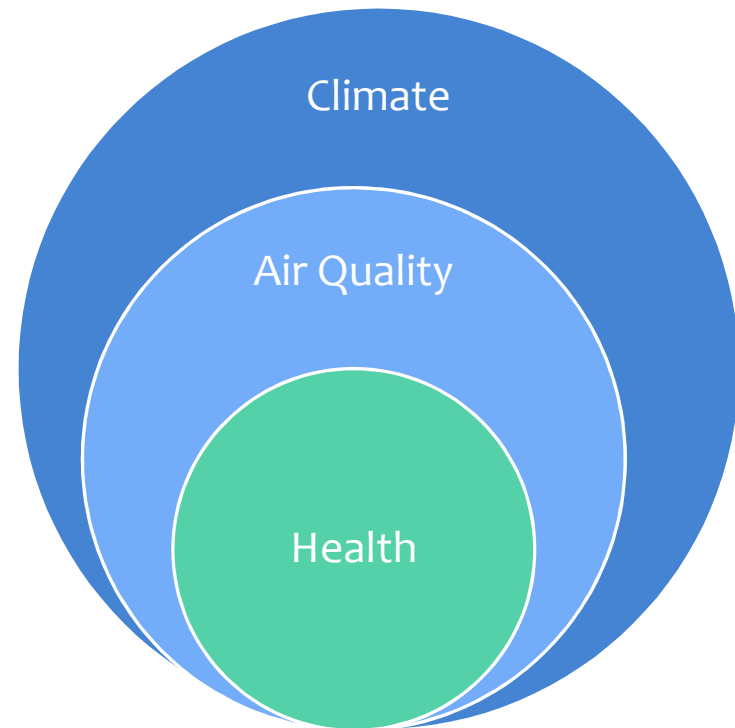
**Effectively Working with  
State Partners:  
California Air Resources Board**

Dana Papke Waters  
California Air Resources Board  
[dpapke@arb.ca.gov](mailto:dpapke@arb.ca.gov)  
(916) 324-9615

# Introduction and Background

## Overview of ARB's Major Goals

- \* Provide safe, clean air to all Californians
- \* Protect the public from exposure to toxic air contaminants
- \* Reduce California's greenhouse gas emissions



# Presentation Outline

- \* Key regulations and activities to support climate action and energy efficiency
  - \* AB 32 and Executive Order S-03-05
  - \* Scoping Plan update
  - \* Cap and trade
  - \* Transportation and Energy Infrastructure Need
  - \* Climate action guidance and tools for voluntary GHG reductions
  - \* Research underway
- \* Focus on how local governments can engage with ARB

# 2013 Scoping Plan Update

## AB 32 Implementation

- \* Progress towards 2020 GHG goals
- \* Highlight statewide and local government actions over the last 5 years

### How to Engage

- \* Participate in public process



# Cap & Trade

## AB 32 Implementation

- \* Investment Plan outlines priority projects
- \* Encourages energy efficiency

### How to Engage

- \* Work with utilities on programs that may qualify

**Figure 9**  
**Investment Priorities –Recommendations**



# Transportation and Energy Infrastructure Need



- \* Over 1.4 million ZEVs on road by 2025
- \* Paving the way for EV charging infrastructure
- \* Increased electricity demand poses challenges for zero net energy goals
- \* Need to partner with local governments and others to implement technology based program

## How to Engage

- \* Share experiences and success stories with adopting building codes

# Climate Action Guidance & Tools

## Voluntary GHG Reductions

CoolCalifornia.org

- Carbon Footprint Calculators
- Success Stories
- Award Programs

City Challenge

- Statewide competition
- Cities engage residents
- “Coolest California City”

Funding Wizard

- Searchable database of grants, rebates, loans, and other financial incentives

# City Challenge

- \* Connect local governments with residents to reduce GHG emissions
- \* Build vibrant, sustainable, and resilient communities

## How to Engage

- \* Sign up for the next round of the competition
- \* Email: [Challenge@coolcaliforni.org](mailto:Challenge@coolcaliforni.org)
- \* Deadline: August 15, 2013



COOLCALIFORNIA  
**CHALLENGE**



# Funding Wizard

- \* Enhanced user interface
- \* Expanded topics
- \* Improving data collection

## How to Engage

- \* Take our survey
- \* Add local incentives to database

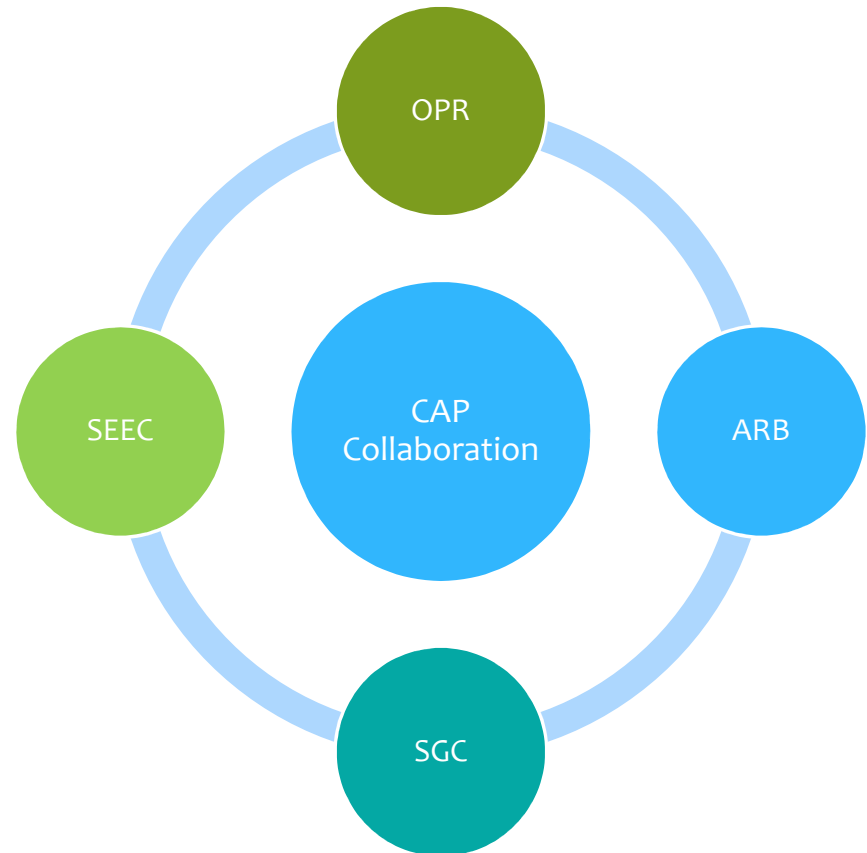


# Climate Action Planning (CAP) Collaboration

- \* CAP Guidance & Tool Development
  - \* Municipal & community protocols and inventory tools
  - \* GHG reduction strategy selection tools
- \* CAP Data Workgroup

## How to Engage:

- \* Attend OPR Roundtables & ARB's Local Gov't Advisory Group
- \* Share experiences and data for tool development and success stories



# Research Underway



## Measuring the Climate Impacts of Residential Buildings

- Reviewed, validated, enhanced GHG calculations
- GreenPoint Rated Climate Calculator Version 2



## Residential Energy Use and GHG Emissions of Land Use Types

- Simple spreadsheet screening tool
- Calculate GHG reductions of land use strategies



## Quantifying GHG Co-Benefits of Commercial Green Buildings

- Database of certified green buildings
- Compare predicted and measured data

# Research Underway

## Support Energy Efficiency Programs

- \* Results of research can be used to support implementation of Climate Action Plans
- \* ARB will be working with State Agency Review (STAR) Team to update web with research results
- \* Evaluate opportunities to include as part of other CAP guidance and tools

### **How to Engage**

- \* Participate in the Local Government Advisory Group

# Stay Connected

- \* Many opportunities for local governments to engage in ARB activities and rulemaking decisions
  - \* Join Any ARB Email List(s)
  - \* Join Our RSS News Feed
  - \* <http://www.arb.ca.gov/listserv/listserv.php>

# ARB Contacts

## **2013 Scoping Plan Update**

Dave Mehl

[dmehl@arb.ca.gov](mailto:dmehl@arb.ca.gov)

## **Cap and Trade**

Steve Cliff

[scliff@arb.ca.gov](mailto:scliff@arb.ca.gov)

## **ZEV Regulation**

Elise Keddie

[ekeddie@arb.ca.gov](mailto:ekeddie@arb.ca.gov)

## **Climate Action Tools and Guidance**

Annmarie Rodgers

[arodgers@arb.ca.gov](mailto:arodgers@arb.ca.gov)

# Staff Level Contacts

## Local Government Tools and Guidance

**Dana Papke Waters**  
*[dpapke@arb.ca.gov](mailto:dpapke@arb.ca.gov)*  
*(916) 324-9615*

**Tabetha Willmon**  
*[twillmon@arb.ca.gov](mailto:twillmon@arb.ca.gov)*  
*(916) 324-0664*

**Thank you!**