

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

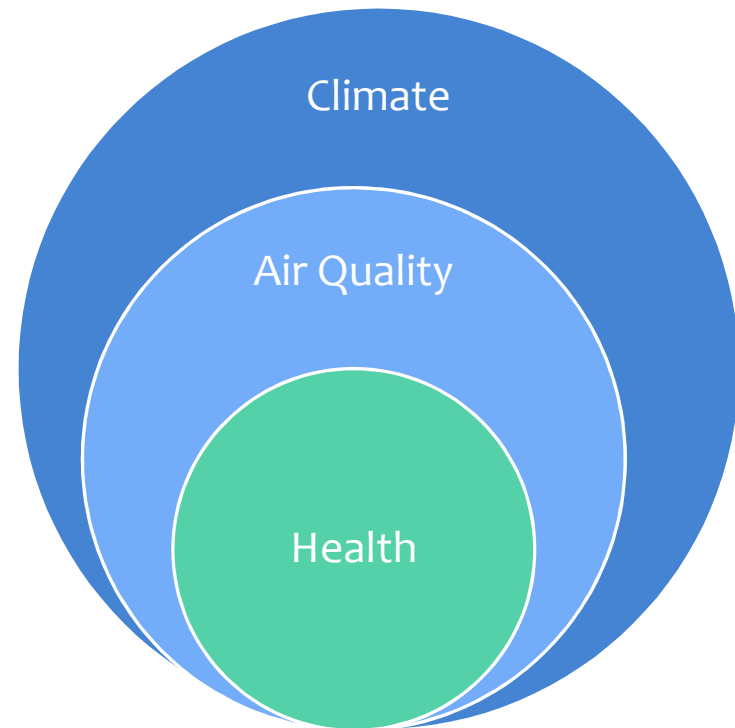
**Effectively Working with
State Partners:
California Air Resources Board**

Dana Papke Waters
California Air Resources Board
dpapke@arb.ca.gov
(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
- * 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

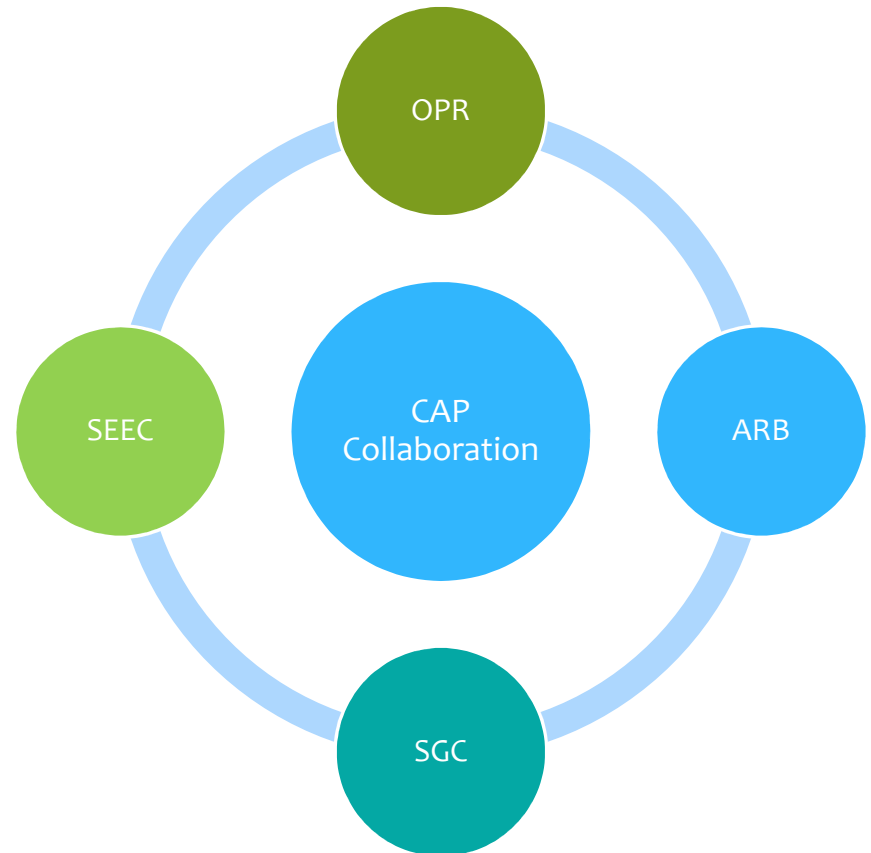


Climate Action Planning (CAP) Collaboration

- * 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

Cap and Trade

Steve Cliff

scliff@arb.ca.gov

ZEV Regulation

Elise Keddie

ekeddie@arb.ca.gov

Climate Action Tools and Guidance

Annmarie Rodgers

arodgers@arb.ca.gov

Staff Level Contacts

Local Government Tools and Guidance

Dana Papke Waters
dpapke@arb.ca.gov
(916) 324-9615

Tabetha Willmon
twillmon@arb.ca.gov
(916) 324-0664

Thank you!