



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

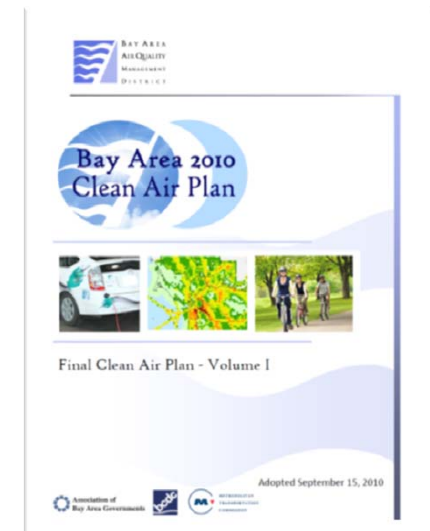
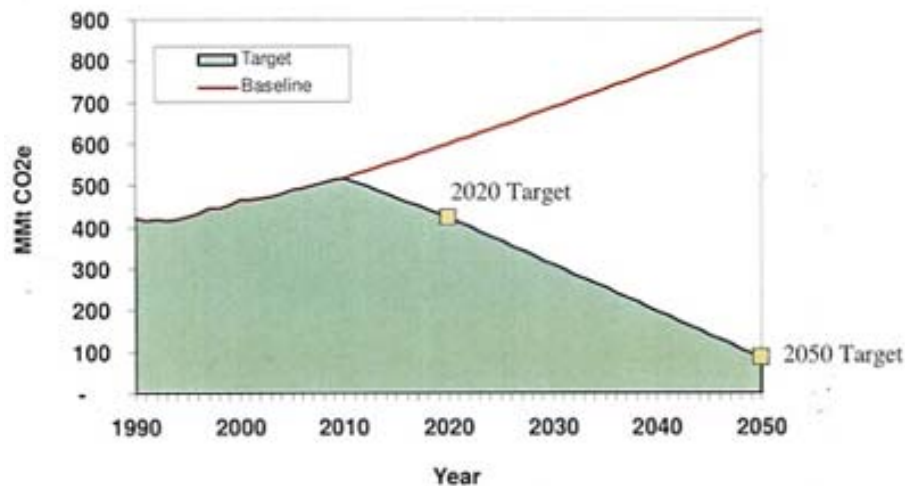
Regional Climate Protection Strategy Update

Climate Protection Committee
September 29, 2014

Abby Young
Principal Environmental Planner

Regional Climate Protection Strategy Overview

- Called for in Climate Protection Resolution:
“Initiate a regional climate protection planning process”
- Major part of the 2015 Clean Air Plan
- Integrates 10-Point Work Program
- Support progress toward 2050 goal

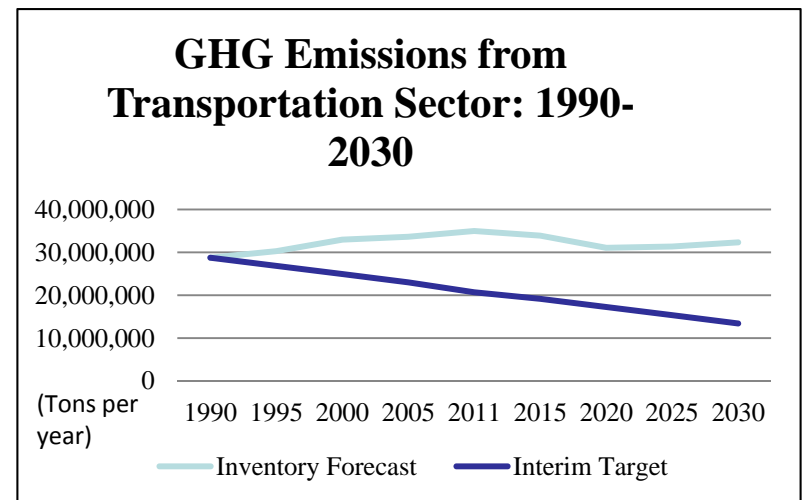


Regional Climate Protection Strategy Contents

- Bay Area GHG inventory & forecast
- Discussion of climate change impacts to the Bay Area
- Discussion of the climate planning context: who is doing what?
- GHG reduction goals
- Sector-based gap analysis
- Emission reduction measures

Sector-based Gap Analysis

- Understand trends in Scoping Plan sectors
- Identify key federal, state and regional policies impacting Bay Area GHGs
- Understand the role of local climate action plans in reducing GHGs
- Identify opportunities for Air District action
- Inform the 2015 Clean Air Plan emission reduction strategy



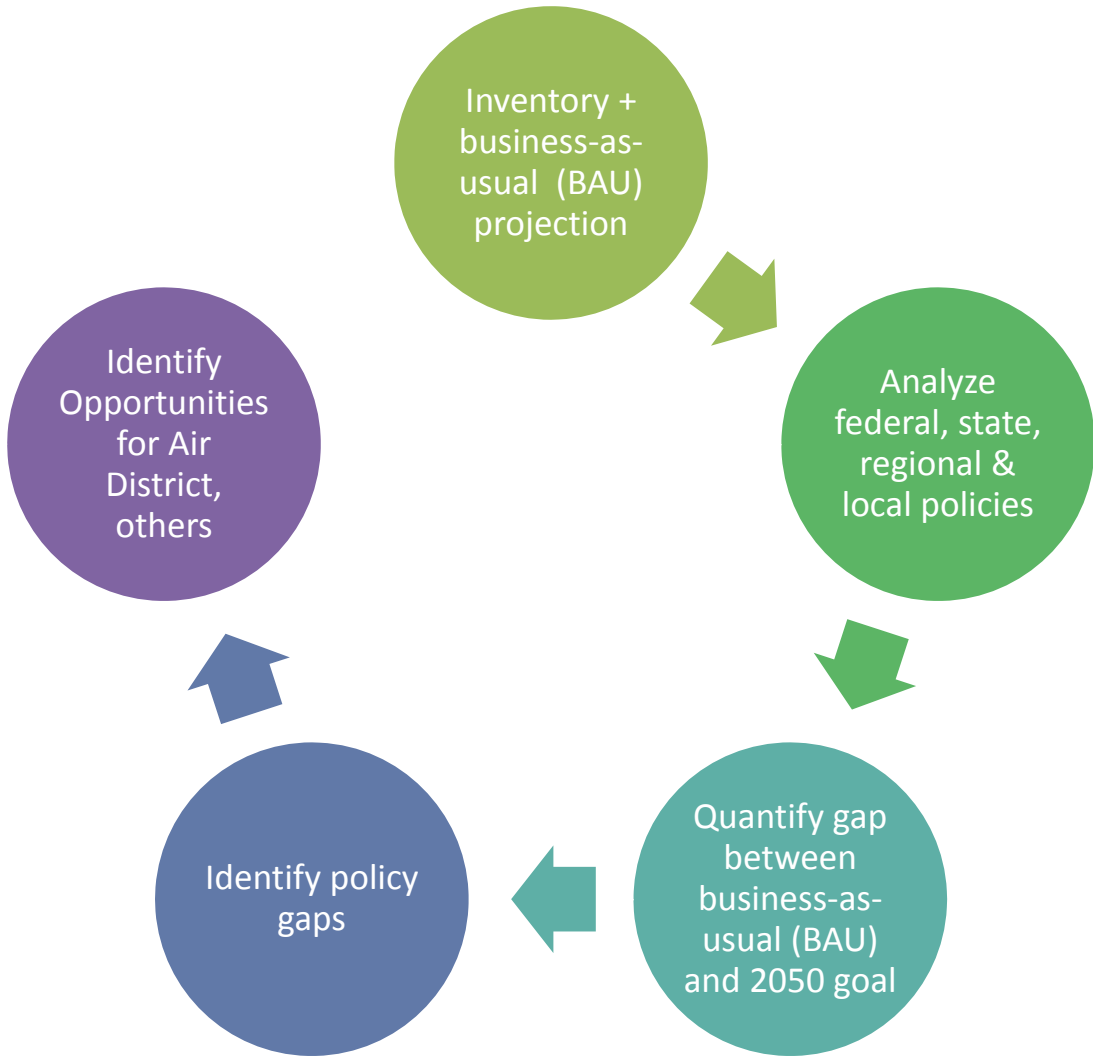


The Sectors

- Energy
- Transportation
- Agriculture
- Water
- Waste
- Natural & Working Lands
- Short-lived Climate Pollutants
- Green Buildings
- Permitted Sources



Gap Analysis Methodology

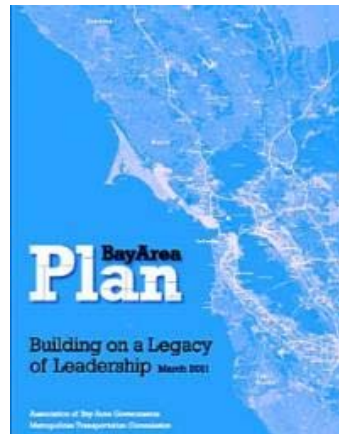


Analyzing Policies

Federal: President's
Climate Action Plan



State: Scoping Plan



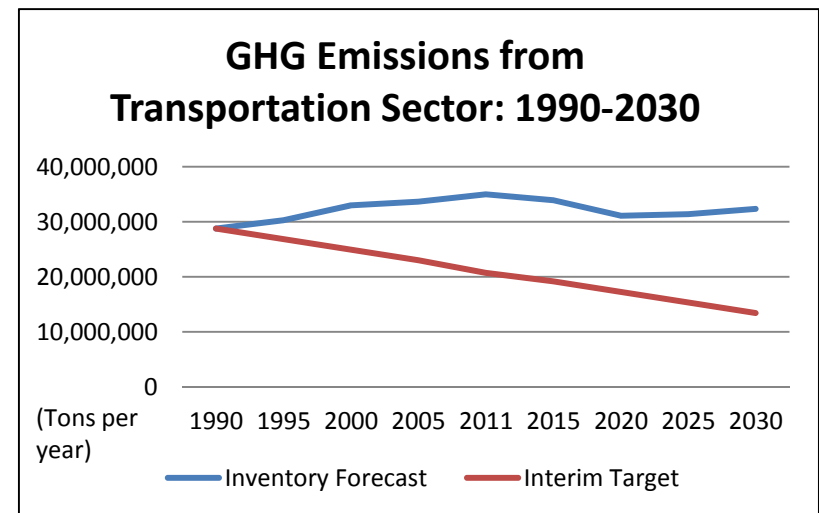
Regional: 2010 Clean Air Plan,
Plan Bay Area



Local: 50+ local
climate action
plans

Sample Gap Analysis

- 1990 Baseline Inventory = 28.8 Million Metric Tons (MMT)
- 2030 Business-as-usual (BAU) Forecast = 32.3 MMT
- 2030 Interim Target = 13.4 MMT
- 2030 “Gap” = 18.9 MMT
- Key Policies:



- Federal: no major policies beyond State actions
 - State: Pavley Clean Car Standards, Low Carbon Fuel Standard, Advanced Clean Car Standards
 - Regional: Plan Bay Area, Regional EV network
 - Local: climate action plans
- Still to come: identify policy gaps; identify role for Air District

Challenges & Observations

- Technical challenges in developing baselines
 - Need to adapt or add to inventory data to match Scoping Plan sectors
- Determining regional impact of climate action plans
 - Catalogue over 1,000 local measures
- Much more needs to be done
 - Federal action is often far behind what California has already achieved
 - All levels of government must switch focus to 2050



Moving Forward with Gap Analysis

- Continue fine-tuning baselines and projections
- Consult with outside expertise
 - State, regional, local agencies
 - Businesses and associations
 - Environmental and community-based organizations
- Finalize analyses
- Consider appropriate emission reduction strategies

Next Steps for the RCPS

- Complete gap analysis
- Begin consumption-based inventory
- Incorporate policies, programs and technical elements of the 10-Point Work Program
- Continue assessing potential emission reduction measures
- Conduct public workshops



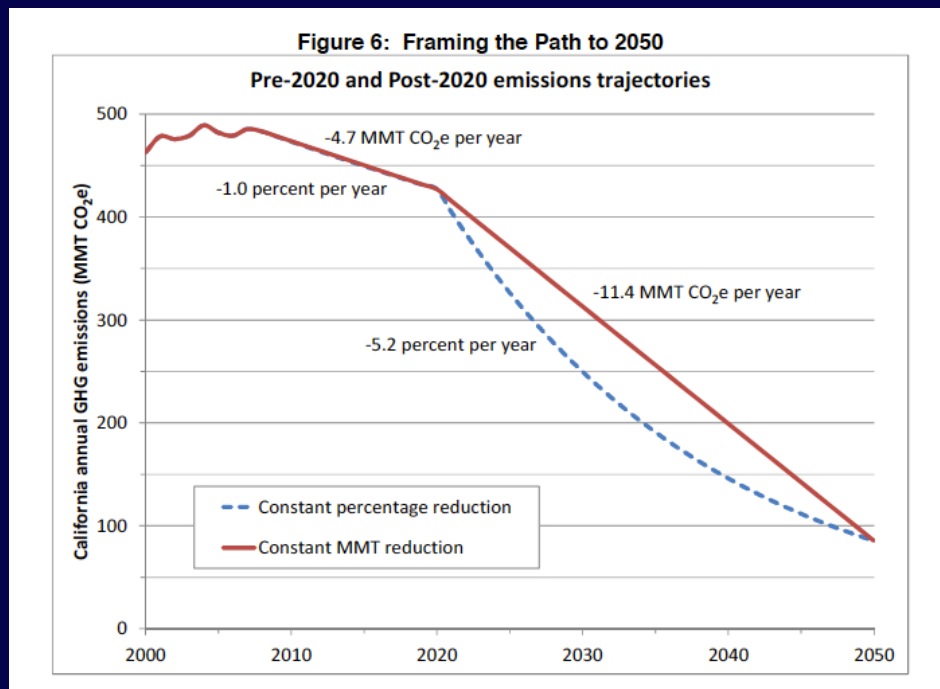
How the Climate Readiness Institute Can Help BAAQMD

Bruce Riordan
Joint Policy Committee/CRI



Climate Protection Committee
September 29, 2014

Why Academics + Practitioners?



Los Angeles Times
Science / Environment

**Irreversible
collapse of
Antarctic glaciers
has begun, studies
say**

**UC Berkeley
Lawrence Berkeley Lab
Stanford
UC Davis**

**JPC Agencies
Local Governments
Non-Profits
Private Sector**



Current CRI Status

- **Fundraising**
- **Grants:** National Science Foundation & UC Office of the President
- **5 Working Groups**
 - Flooding
 - Water
 - Health
 - Terrestrial Systems
 - Greenhouse Gas Emissions



Potential CRI Projects with BAAQMD

- 1. Best roles for Strategy X:** State, Region, County, City, Non-Profits, Private Sector
- 2. Pathways to 2050:** Near- and Mid-Term Actions — Policies, Tech, Financing, Equity analysis
- 3. Indicators:** Measuring, Reporting and Celebrating Bay Area Progress; Identifying Problem Areas



Potential CRI Projects with BAAQMD

4. **GHG Monitoring:** Real-Time Bay Area GHG & Other Pollutant Measurement



5. **Consumption:** Inventory and Modeling



Next Steps

1. Refine proposed projects
2. Advisory Group initial project selection (October)
3. Consultation with BAAQMD
4. Place projects into CRI proposals
5. Conduct workshops and other convenings



Questions/Comments?

1. Best roles
2. Pathways to 2050
3. Indicators
4. GHG Monitoring
5. Consumption
6. ????

