


City of Santa Clarita Climate Action Plan

Planning Commission Study Session
September 20, 2011

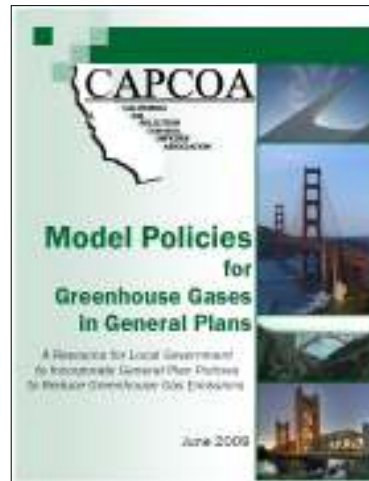


	<h2>Review:</h2>
<ul style="list-style-type: none">• Process began in 2001, with LA County• Climate Action Plan (CAP) required by AB32<ul style="list-style-type: none">– State emissions to 1990 level• Originally identified a CAP as an objective• CAPs have evolved over time	



Review:

- NRDC & Attorney General commented on LA County EIR in late 2009
- CAP timing change
- CAPCOA document & matrix
- Proactive meetings with Attorney General
 - March & September, 2010
- General Plan adopted June 14, 2011



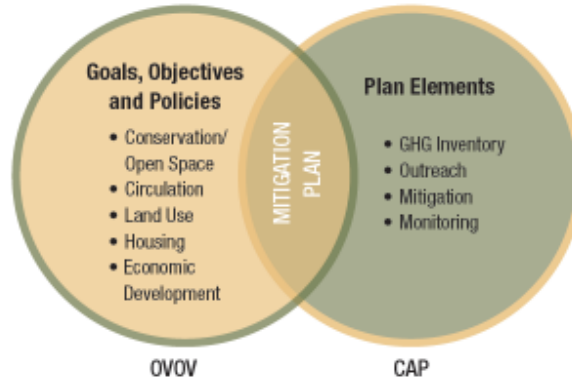
CAP Process:

- RFP Process began in mid-2010
- Contents of a Climate Action Plan
 - ICLEI Process
 - Baseline Inventory
 - Mitigation Plan
 - Monitoring Plan
 - Public Outreach
 - Environmental Review



CAP Process:

Relationship Between One Valley One Vision (OVOV) & Climate Action Plan (CAP)



CAP Process:

- Received submittals from 7 firms
 - Environ and SAIC
 - PMC, DC&E, EcoMotion, HF&H, Aspen
- Contract award to Environ in December, 2010
- Work started in January, 2011
- Anticipated completion in September, 2012



Background:

- Greenhouse Gases Include:
 - Water vapor, carbon dioxide, methane, nitrous oxide and ozone
- Increased concentration leads to great heat retention by the atmosphere
- How are they measured?
 - Based on Carbon Dioxide
 - Metric Tons of Carbon Dioxide Equivalent (mtCO₂e)



Inventory Phase:

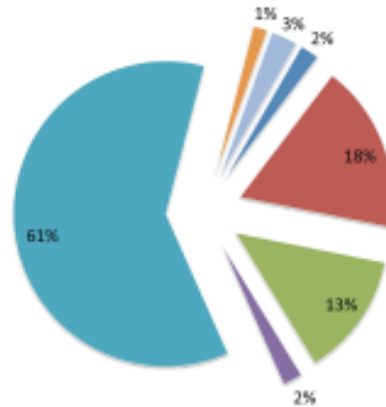
- 2005 selected as base year
- Four month data collection effort
- Data gathered on community-wide and municipal levels:
 - Utility information
 - Land Use information
 - Traffic information
 - City programs
- Environ used ICLEI and their own modeling to establish a base year inventory



Inventory Phase:

Greenhouse Gas Emissions (2005): All Sources (1,691,952 Metric Tons of CO₂e)

- All Municipal Operations
- Energy (Residential)
- Energy (Commercial + Industrial)
- Solid Waste
- Transportation (On-Road)
- Transportation (Off-Road)
- Other



Inventory Phase:

Greenhouse Gas Inventory Comparison Across Cities

CITY AND YEAR OF INVENTORY	TOTAL EMISSIONS (MIL METRIC TONS)	EMISSIONS PER CAPITA (METRIC TONS)
Los Angeles, CA (2009)	38.7	10.1
New York, NY (2005)	58.3	7.1
Seattle, WA (2008)	6.8	11.3
San Francisco, CA (2000)	9.7	11.2
Menlo Park, CA (2005)	0.49	16.4
Union City, CA (2005)	0.38	5.3
Apple Valley, CA (2005)	0.75	11.7
Santa Clarita, CA (2011)	1.69	10.0



Per capita CO₂e emissions of select cities and the United States. Calculations are based on reported greenhouse gas inventories with the understanding that differing methodologies and emissions sources exist.



Emission Reduction:

- 2005 Base Year = 1.7 mmtCO₂e
- 2.3 mmtCO₂e (2020 Projection)
- 1.9 mmtCO₂e (2020 Projection – “Big 3”)
 - Carbon Fuel Standard
 - MPG Requirements
 - Renewable Energy Portfolio



Emission Reduction:

- 1.9 mmtCO₂e (2020 – “Big 3”)
- 1.7 mmtCO₂e (Base Year)
- Approximately 200,000 ton gap to return to base year
- 11.5% reduction



Emission Reduction:

- 11.5% Reduction in Perspective:
 - “Big 3” projected to reduce city-wide emission reductions by about 18% by 2020
 - The balance of the reductions (11.5%) must come from CAP mitigation measures:
 - Land Use/VMT
 - Energy Standards
 - All municipal sources is less than 2% of the total 2005 inventory



Community Outreach:

- Outreach process began in April, 2011
- Outreach Strategy Targets:
 - General Public
 - Business and Development Community
- Two Outreach Phases:
 - Phase 1: April – June, 2011
 - Phase 2: Winter 2011 / 2012



 **Community Outreach:**

- General Public Outreach:
 - Green Brand
 - Public Workshops
 - Green Website
 - ILG Website
 - Study Session
 - Future Public Hearings




 **Community Outreach:**

- Business and Development Community:
 - Valley Industry Association
 - Chamber of Commerce
 - Building Industry Association
- Future outreach will focus on impacts of the CAP on the development process



Developers & Businesses:

- How will a CAP affect developers?
 - Cost of development will likely increase
 - Provides guidance on GHG emissions for project level environmental review
- How will a CAP affect businesses?
 - In general, very little impact
 - Industries that fall under Cap & Trade
 - Businesses that maintain a large vehicle fleet of cars and light trucks



Mitigation Phase:

- Identifying, prioritizing and quantifying measures:
 - 61 measures identified
 - In process of quantifying GHG reductions
- Two Highest Priorities:
 - Building Energy
 - Vehicle Miles Travelled / Land Use



Attorney General:

- Met with the Office of the Attorney General on August 18, 2011
 - Presented progress
 - Received feedback
- Will meet again when the CAP document is complete, but prior to conducting environmental review



Monitoring Plan:

- Work to begin in November and continue through January, 2012
- Monitor progress on reduction measures
- Trigger additional or corrective actions if progress not satisfactory
- Annual collection and review of key activity data (e.g. energy use, VMT data, building activity)



Environmental Review:

- Work to begin in February, 2012
- Will prepare documentation appropriate for the selected CAP measures and activities



Conclusion:

QUESTIONS AND DISCUSSION