




County of Ventura

Climate Change Action Plan
Update to the Board of Supervisors
December 8, 2009






County of Ventura CCAP Major Milestones

- Review proposals and recommend Consultant
 - Completed
 - Baseline emissions inventories
 - In progress
 - Present findings of emissions inventory to your Board
 - Emissions forecasting/reduction goal for target year
 - Develop action plan
 - Third party certification
 - Present recommendations to your Board
 - First quarter 2010
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County of Ventura Establish Baseline Emissions Inventory

- Prepared in accordance with
 - Current version ARB's Local Government Operations Protocol (LGOP)
 - The Climate Registry's General Reporting Protocol (GRP)
 - Utilization of LGOP "operational control approach" to data collection
 - County owned facilities
 - County operated facilities
 - GRP requires facility-based reporting
 - Ease in allocation of data across Departments and Agencies
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County of Ventura Establish Baseline Emissions Inventory

- Steps required for establishment of Inventory
 - Identify all facilities
 - County owned/operated – total 160+ facilities
 - Identify mobile sources of emissions
 - Fuel consumption/other type gases
 - Baseline year identification
 - Verifiable/Certifiable
 - Proxy – Business as Usual





County of Ventura Baseline Year Identification

- Verifiable/Certifiable baseline year inventory
 - Benefit
 - “Gold Standard” – increases credibility of any future reduction claims
 - Capture all reduction activities back to an identifiable base year
 - Data recognized in Climate Registry
 - Difficulty
 - Requires 95% accuracy threshold on all data collected
 - Potential cost/time escalation to ensure accuracy of data
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County of Ventura Baseline Year Identification

- Proxy – Business as Usual baseline year inventory
 - Benefits
 - Communicates and Quantifies all reduction activities back to an identifiable base year
 - Easily completed with available data
 - No cost/time escalation
 - Difficulty
 - Data not recognized in Climate Registry



County of Ventura Baseline Year Identification Issues

- Identification of electricity usage for the years between 2000 and 2004
 - Southern California Edison (SCE) is unable to provide data
 - County data appears to be incomplete for this period of time
- Absence of data makes a baseline year of 2005 problematic
 - Requirement of 95% accuracy threshold on all data collected for recognition in Climate Registry



County of Ventura

Baseline Year Identification Alternatives

1. Set County baseline year at 2005
 - Verifiable/Certifiable
 - Establish in Climate Registry
 - Additionally set Proxy – Business as Usual baseline year at 2000
 2. Retrieve historical data back to 2000
 - Attempt to gain Verifiable/Certifiable data
 - Work with County Departments and Agencies on data retrieval
 - Need to obtain 95% accuracy in data collection
 - Preliminary discussions indicate data incomplete
 - Increase in cost/time
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County of Ventura Baseline Year Recommendations

- Set County baseline year at 2005
 - Data would be Verified/Certified
 - Data would be recognized in Climate Registry
- Set County Proxy – Business as Usual baseline year at 2000
 - Communicates and Quantifies all reduction activities back to 2000
 - Easily completed with available data
 - No cost/time escalation



County of Ventura Proxy Baseline Development

- Involves collecting readily available data on energy efficiency projects 2000 through 2004
 - Calculate emissions associated with those improvements
 - Identifying our “business as usual” scenario

- Example: If emissions in 2005 are 100 metric tons but, during the time period 2000 through 2004, energy efficiency measures resulted in GHG savings of 20 tons, then the “business as usual” figure for 2000 would be 120 metric tons.



County of Ventura Proxy Baseline Development – Cont'd

- In setting reduction targets, the County could then quantify the reduction goals for both
 - Verifiable 2005 baseline year
 - Proxy - Business as Usual 2000 baseline year
 - Credibility for both goals would be high due to the fact
 - The 2005 baseline year will be registered
 - The County has detailed records on energy savings from 2000 forward
 - Costs for this approach are minimal and thus would free up County resources for use in managing and implementing our climate reduction programs.
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County of Ventura Baseline Year Recommendations

- This action would provide the County
 - A “Gold Standard” – Climate Registry recognized baseline year inventory at 2005 emission levels
 - A Credible and Quantifiable Proxy – Business as Usual baseline year inventory at 2000 emission levels
 - Federal Government
 - Calling for 17% reductions from 2005 baseline year
 - State of California
 - Not requiring local governments to establish specific baseline year inventories
 - Encouraging implementation of 15% reductions from current emission levels
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County of Ventura Next Steps

- Complete establishment of baseline year levels
 - Verifiable/Certifiable at 2005
 - Proxy – Business as Usual at 2000
 - Present final inventory numbers to your Board
 - Utilization of graduate students
 - Bren School of Environmental Study – UCSB
 - California State University Channel Islands
 - Form CCAP Steering Committee
 - Complete emissions forecasting/reduction goals
 - Develop Action Plan for your Board's review
 - Increase Urban Forestation
 - Reduce employee commute emissions
 - Continue Smart design and efficiency replacements
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