



City of Manteca
Air Quality Element Update and
Climate Action Plan Public
Workshop



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May 9, 2012



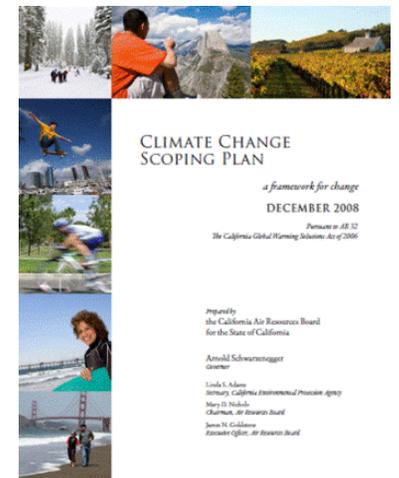
Workshop Goals

- ÿ Obtain public input on what should go in the City of Manteca Climate Action Plan:
 - ÿ Emission reduction targets
 - ÿ Greenhouse gas reduction measures
- ÿ Provide answers to your questions



Why Address Greenhouse Gas Emissions at the City Level?

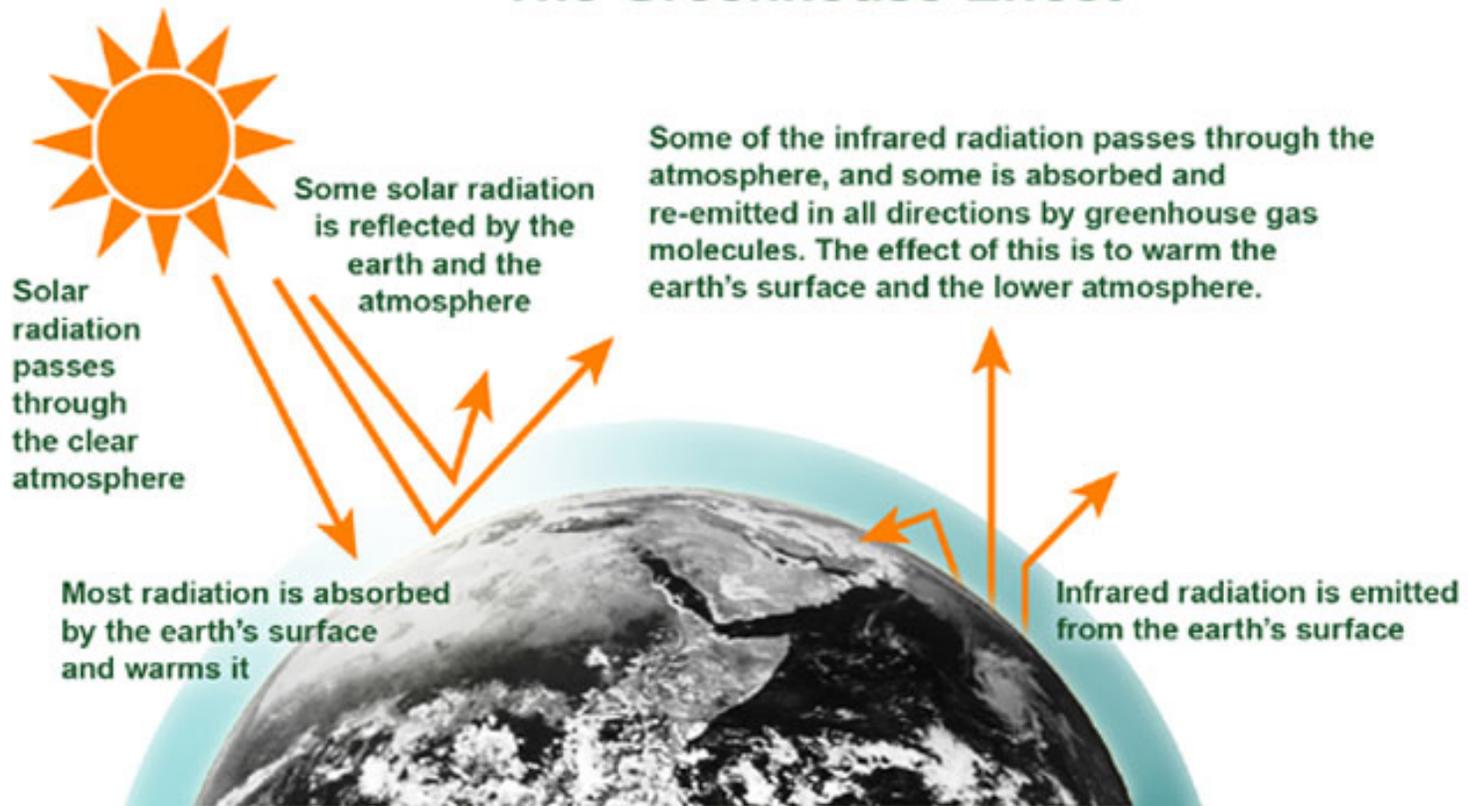
- Y AB 32 – The Global Climate Change Solutions Act of 2006
- Y SB 97 – CEQA Greenhouse Gas Amendments
- Y SB 375 – Transportation/Sustainable Communities Strategies
- Y Air Resources Board Scoping Plan local measures
- Y Attorney General Comments on the need for General Plans and development projects to address Greenhouse Gas Emissions
- Y Insurance Policy Against Climate Change





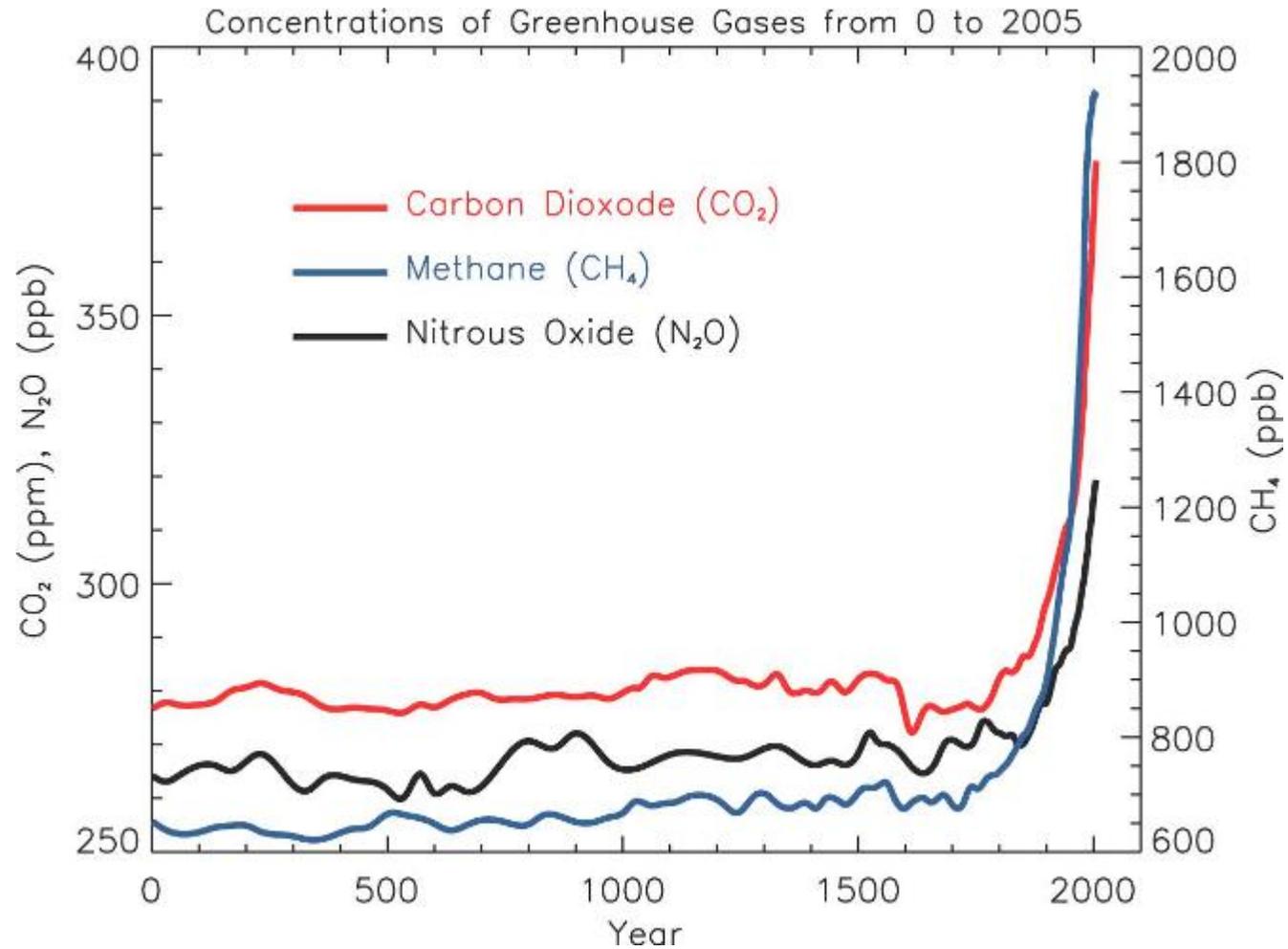
Greenhouse Effect

The Greenhouse Effect



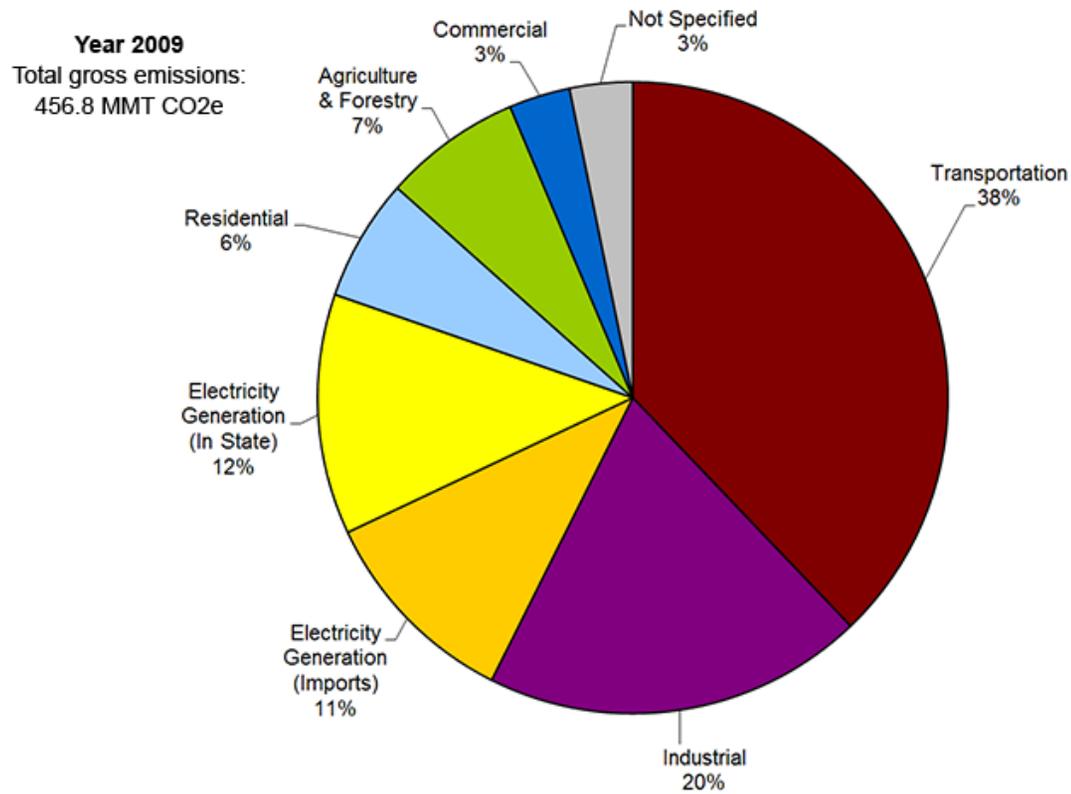


Greenhouse Gas Concentrations





California's Greenhouse Gas Inventory





What is a Climate Action Plan?

Y A Climate Action Plan or CAP is a policy document adopted by local jurisdictions to identify greenhouse gas reduction targets and strategies, programs, and implementation measures to achieve the targets





Climate Action Plan Overview

- Y CAP Components Include:
 - Y Greenhouse Gas (GHG) Environmental and Regulatory Background
 - Y Baseline and Future Year Emission Inventories
 - Y GHG Emission Reduction Target
 - Y Strategies to Achieve Target
 - Y Monitoring Program and Implementation Plan





Reasons for Preparing the CAP

- ÿ Reduce GHG emissions related to General Plan (GP) buildout
- ÿ Assist the State in achieving AB 32 targets
- ÿ Provide reduction strategies suitable for the City of Manteca
- ÿ Provide a framework for addressing GHG emissions for projects under CEQA





Relationship to the General Plan

- The CAP is a revision to the Air Quality Element of the General Plan
- CAPs often rely on General Plan land use, sustainability, and transportation policies as the basis of the reduction strategy
- Development consistent with GP and that achieves project level reductions required by the CAP are considered less than significant for greenhouse gas impacts.





CAP Emission Inventories

- ÿ CAP Inventory will include emission sources within the County's ability to regulate or influence
 - ÿ The City has no control over fuel combustion at industrial facilities
 - ÿ The inventory does not count vehicle emissions for trips that pass through the City without stopping
- ÿ The City can influence the amount people drive and the energy efficiency and water use of new development and existing development
- ÿ The inventory will include 2008 baseline, 2020, and 2035 projections



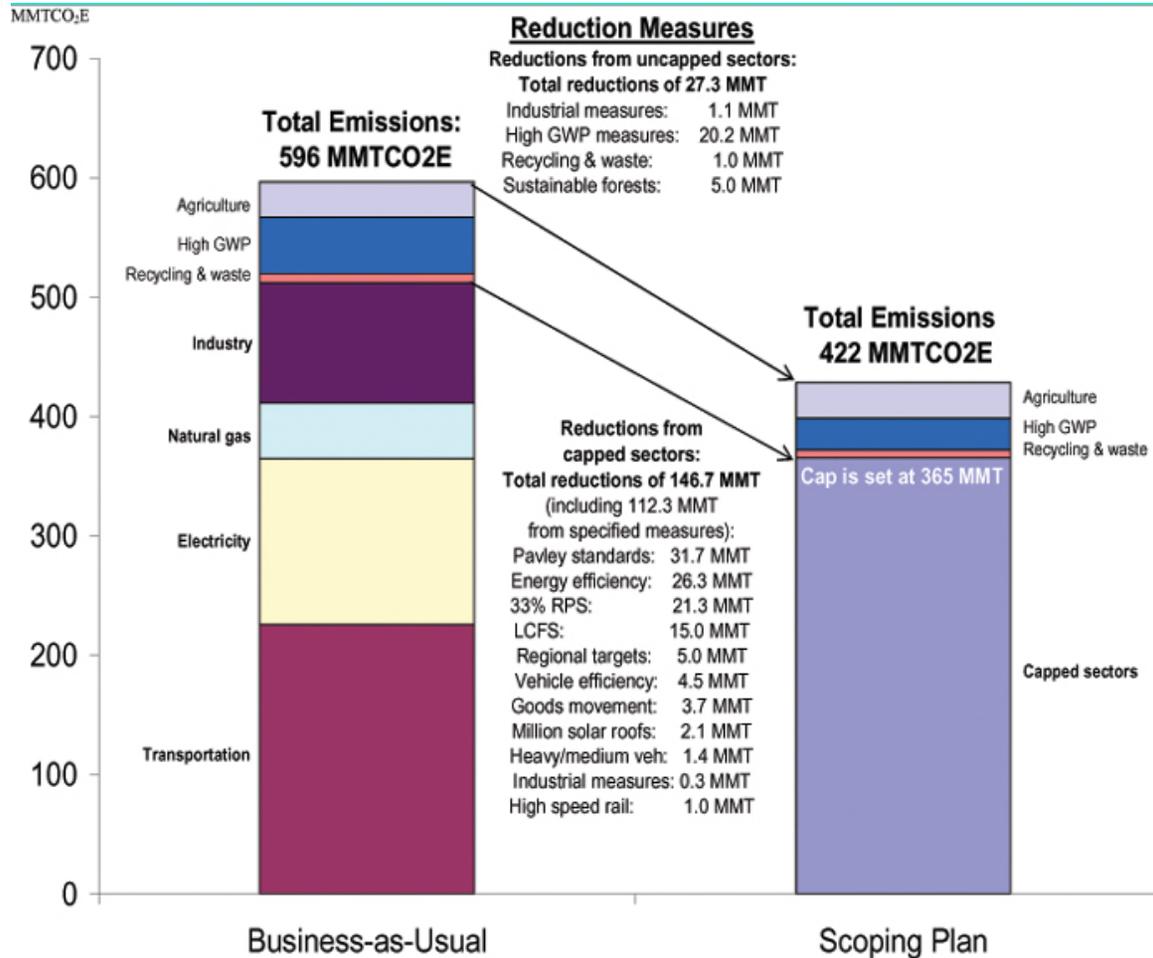


CAP Emission Inventory Source Categories

- Transportation (cars, trucks, buses)
- Offroad Mobile (construction equipment, forklifts, etc.)
- Electricity consumption
- Natural gas consumption
- Solid waste/landfill emissions
- Water/wastewater



California's Greenhouse Gas Reduction Target





CAP Reduction Target

- Y CAP target based on achieving reductions consistent with California targets from AB 32 and ARB Scoping Plan
- Y Reduce emissions to 1990 levels by 2020
- Y Reduce current emissions by 15 percent by 2020
- Y Per capita or per service population reductions to achieve 1990 levels
- Y Target may be adjusted to account for slower growth during the recession





GHG Strategies

- ÿ Land Use and Transportation
- ÿ Building Energy Efficiency
- ÿ Water Conservation Energy Savings
- ÿ Solid Waste Reduction and Recycling
- ÿ Voluntary Programs and Measures





GHG Regulatory Strategies

- ÿ Pavley Light Duty Vehicle Fuel Efficiency Standards
- ÿ Heavy-Duty Truck Efficiency Regulation
- ÿ Renewable Portfolio Standard for Electric Utilities
- ÿ Title 24 Building Energy Efficiency Revisions
- ÿ Model Water Conservation Ordinances
- ÿ CalRecycle Solid Waste Diversion Goals
- ÿ Refrigerant Management Program for High Global Warming Potential Gases





GHG Example Strategies

- Transportation programs and investments that reduce vehicle miles traveled and increase alternative modes
- Local energy conservation ordinances and programs
- Water conservation ordinances and programs and recycling
- Solid waste recycling, reuse, diversion programs



Michael Brandman Associates



GHG Strategy Sources

- Y California Air Pollution Control Officer Association Guidance Documents
- Y Association of Environmental Professionals Climate Change Committee White Papers
- Y Adopted California Climate Action Plans





Monitoring Program and Implementation Plan

- Monitoring needed to ensure targets are being achieved over time
- Will provide benchmarks to allow for quantitative measure of reductions achieved during implementation
- Provides short term and long term actions and milestones for the City to implement the CAP





Questions and Comments

ÿ Send your written comments and suggestions to:

ÿ Erica Durrer, Senior Planner

ÿ City of Manteca

ÿ Community Development Department

ÿ 1001 Center Street

ÿ Manteca, CA 95337

ÿ Email: ehollinder@ci.manteca.ca.us

