

CITY OF SUNNYVALE



Preliminary Greenhouse Gas Emissions Inventory Results

Existing Policy Framework

August 4, 2010

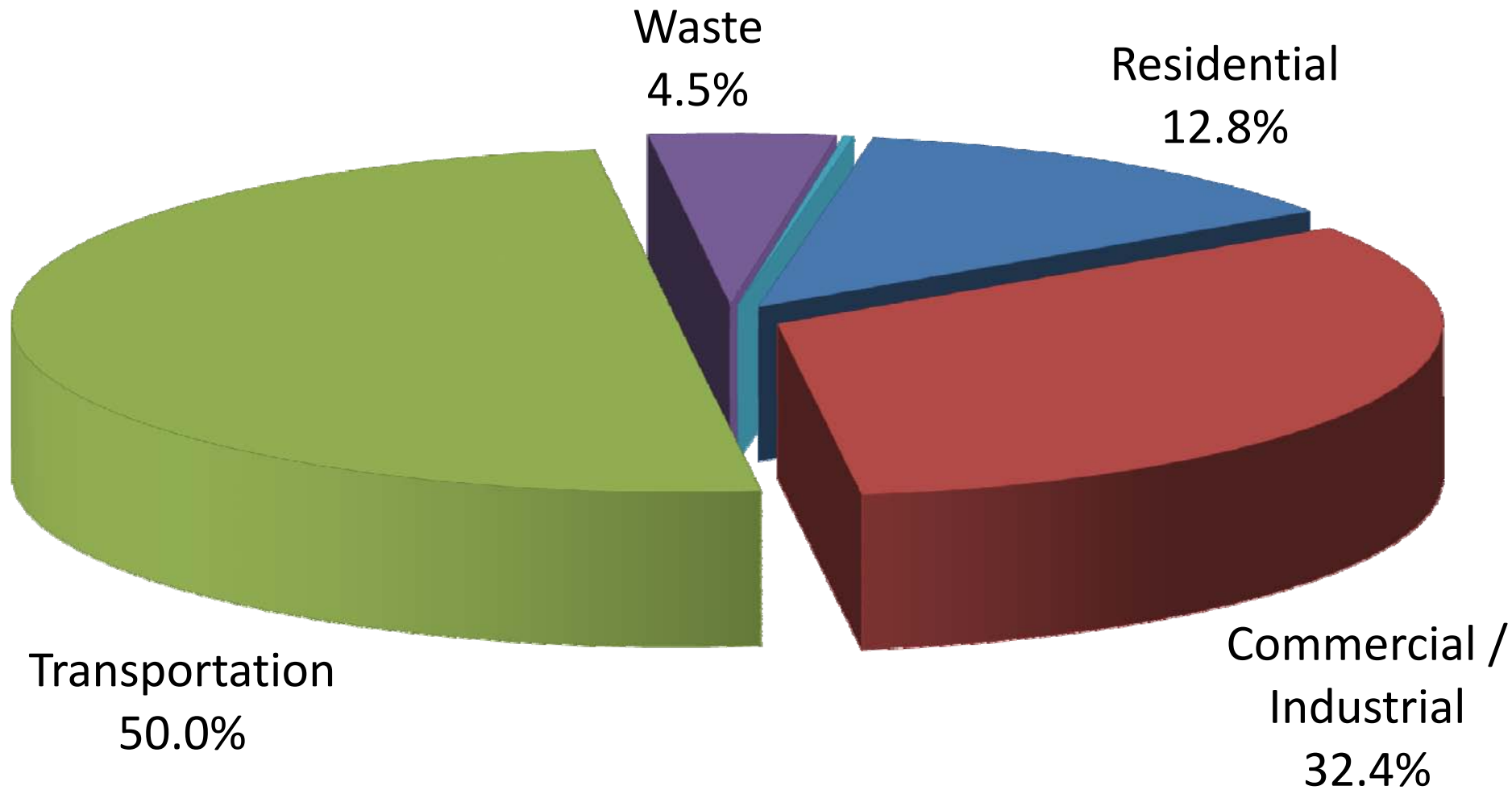
GHG Inventory

- Residential (PG&E)
- Commercial/Industrial (PG&E)
 - Including municipal emissions
- Transportation (placeholder)
- Solid Waste (preliminary – annual)
- Urban Forest (not included)
- Other (landfill gas flaring)

GHG Inventory Initial Results

2008 Baseline Greenhouse Gas Emissions	Metric Tons CO ₂ e	Percentage of Total
Residential	198,140	12.8%
Commercial / Industrial	502,206	32.4%
Transportation	775,000	50.0%
Waste	70,272	4.5%
Other	3,601	0.2%
Total	1,549,219	100%

GHG Inventory - Sectors



Emission Reduction Measures – Where are they from?

- Draw from existing local plans and activities (policy audit) and best practices
 - General Plan (included)
 - Existing programs and activities (included)
 - CAPCOA, BAAQMD, AG, OPR (in process)
 - Regional planning activities (in process)
- Refer to preliminary list of existing policies and programs.





Identified Policy Gaps

- Support infrastructure for AFV/EV
- Cool Paving / Cool Roofs
- Expand energy efficiency improvement programs for existing residences and businesses
- Comprehensive pedestrian plan
- Green Business Program Policies to support green industry
- Supporting regional actions such as electrification of Caltrain
- Education and outreach

The Life of a Reduction Measure

What's a reduction measure? A City's action to reduce GHG emissions from municipal operations and from the community.

STAGE

	GOAL	EXAMPLES
 1	What is the desired outcome by 2030?	<ul style="list-style-type: none">• <i>increase tree canopy</i>• <i>reduce urban heat island effect</i>• <i>sequester carbon</i>
 2	How can the City and/or community make change happen?	<ul style="list-style-type: none">• <i>create an ordinance</i>• <i>provide an incentive</i>• <i>pursue partnerships</i>• <i>identify & fund new projects</i>
 3	Where? Who? When? How?	<ul style="list-style-type: none">• <i>require tree replacements & plantings</i>• <i>develop & implement Urban Forest Master Plan</i>• <i>adopt shading requirements for parking lots and sidewalks</i>
 Quantifiable Reduction	REDUCTION MEASURE What are the specific, quantifiable changes that will take place?	<ul style="list-style-type: none">• <i>plant 1350 trees by 2030</i>• <i>reduce ~356 metric tons of CO₂e annually</i>

Committee Policy Development

- Review existing policies
- Review informational materials from AG, CAPCOA, other CAPs, workshop materials, etc
- Focus on local/City led efforts
- Think of focus areas not currently addressed in the policy framework
- Develop a list of proposed policies
- Submit list of policies to the City for aggregation and submittal to committee
- August 25th committee meeting is discussion on proposed policies

Questions & Discussion

