

CITY OF SUNNYVALE



Preliminary Greenhouse Gas Emissions Inventory Results

Existing Policy Framework

August 4, 2010

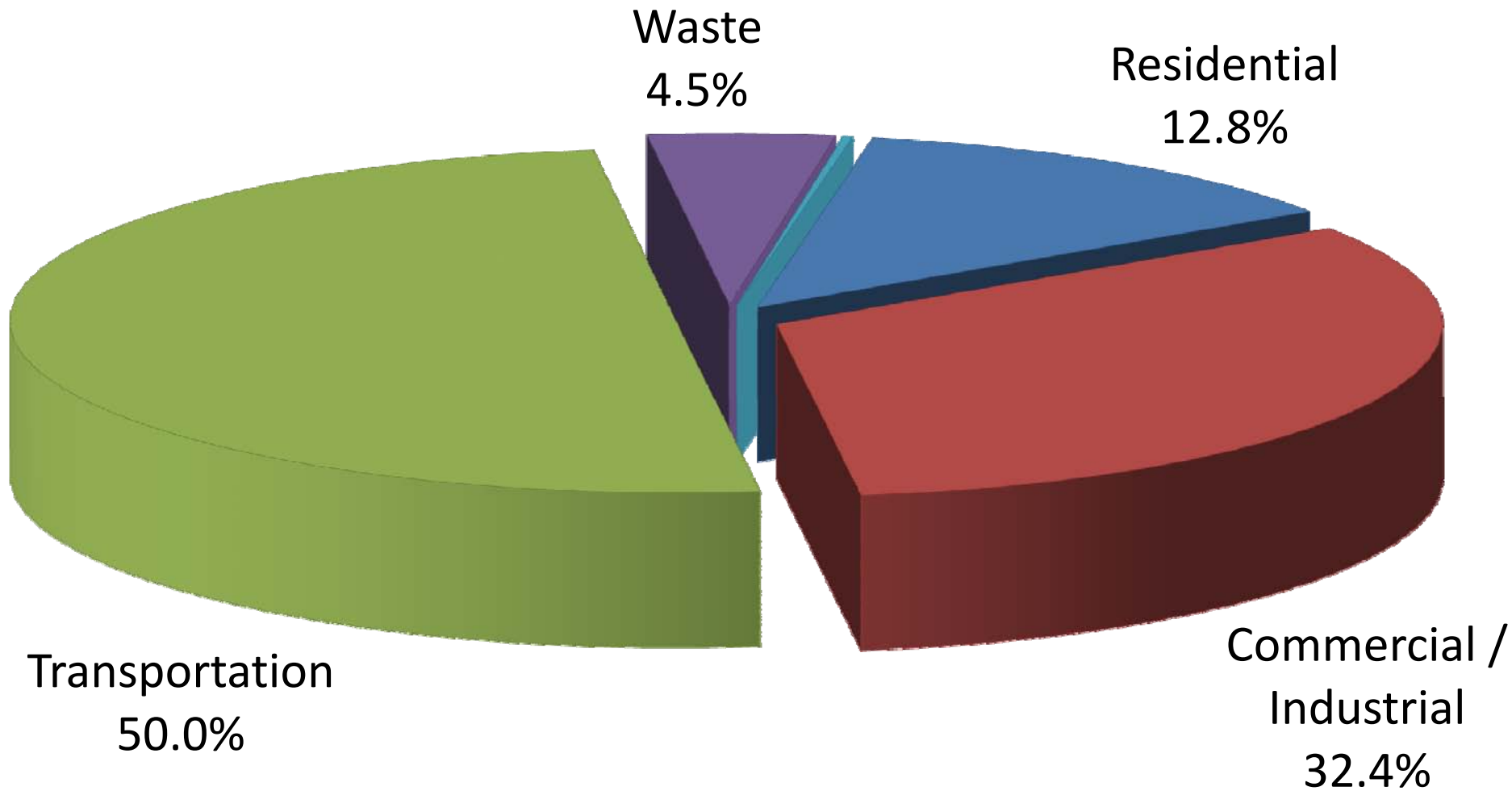
GHG Inventory

- 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

1

GOAL

What is the desired outcome by 2030?

EXAMPLES

- *increase tree canopy*
- *reduce urban heat island effect*
- *sequester carbon*

2

METHOD

How can the City and/or community make change happen?

- *create an ordinance*
- *provide an incentive*
- *pursue partnerships*
- *identify & fund new projects*

3

SPECIFIC ACTION

Where? Who?
When? How?

- *require tree replacements & plantings*
- *develop & implement Urban Forest Master Plan*
- *adopt shading requirements for parking lots and sidewalks*

REDUCTION MEASURE

What are the specific, quantifiable changes that will take place?

- *plant 1350 trees by 2030*
- *reduce ~356 metric tons of CO₂e annually*

**Quantifiable
Reduction**

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

