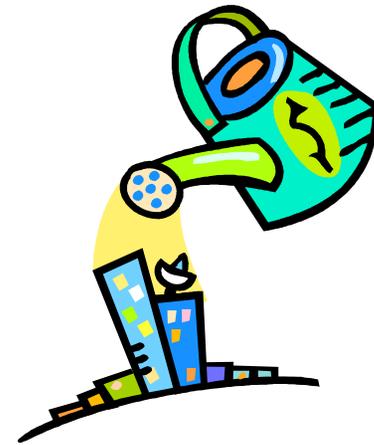


Focusing Our Work: What the Countywide Climate Inventory Tells Us

Carolyn J. Bloede
Sustainability Program Manager
Alameda County

Alameda County & Cities Climate Forum
January 23, 2009

Climate
action
benefits the
environment
and the
economy



State is
targeting
key sectors
but not
focusing on
the
individual



We need
individual
action to
get to
where we
need to go



Local
government
is on
the front
lines serving
our
communities

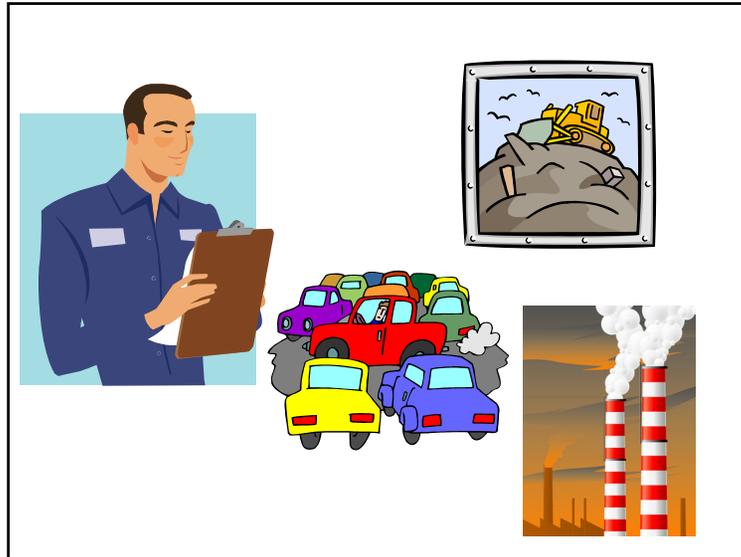


Good news
is that
joining
together in
regional
partnerships
will help us
succeed



FOCUS

Emission Inventories 101



Countywide Rollup Inventory

Incorporated Cities

- ✓ Alameda
- ✓ Albany
- ✓ Berkeley
- ✓ Dublin
- ✓ Emeryville
- ✓ Fremont
- ✓ Hayward
- ✓ Livermore
- ✓ Newark
- ✓ Oakland
- ✓ Piedmont
- ✓ Pleasanton
- ✓ San Leandro
- ✓ Union City

Unincorporated Areas

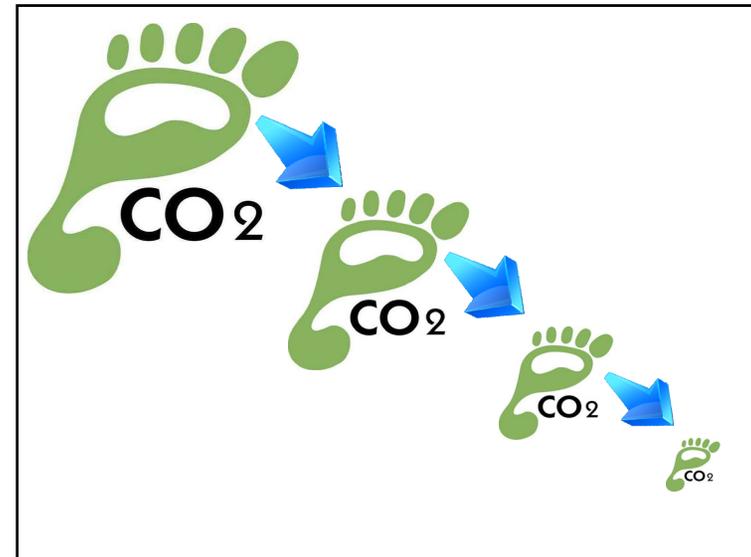
- ✓ Ashland
- ✓ Castro Valley
- ✓ Cherryland
- ✓ Fairview
- ✓ Sunol
- ✓ San Lorenzo



Inventory = Baseline



Methodologies Continually Improve



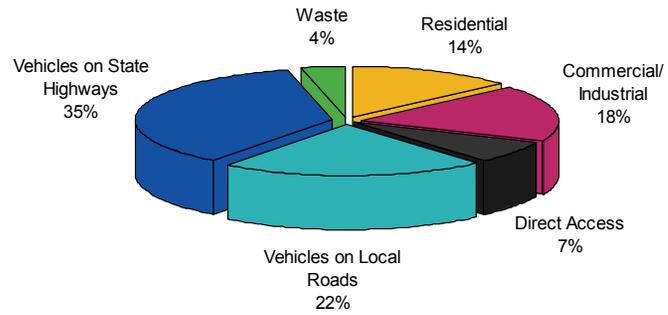
What's in the Roll-up Inventory?

- **Community – residential, commercial, industrial**
 - Electricity & natural gas
 - Transportation fuel use (highway and streets)
 - Landfill emissions
 - Direct Access power/fuel purchases
- **Government Operations**
 - Owned Buildings, bridges & other stationary energy uses
 - Fleets vehicles
 - Street lights & traffic signals energy use
 - Energy use by flood control pump stations & irrigation controls

What's **Not** in the Roll-up Inventory?

- Life cycle emissions
- Miscellaneous - leaking HVAC systems, landfill emissions from imported waste, wood burning stoves....
- Interregional transportation (air & marine)

Our GHG Emission Overview (14M metric tons)

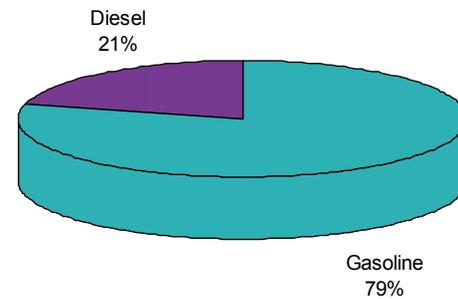


Transportation & Buildings



Transportation

Emissions by VMT

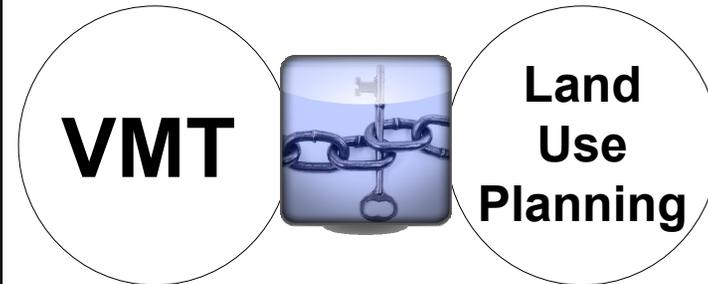


Personal & commercial vehicles

Work Group 1: **Transportation**

How do we get out of our cars?

VMT & Land Use Planning
Connection



VMT driven by land use development

Consider Blueprints for the Future



Work Group 2: **Land Use Planning**

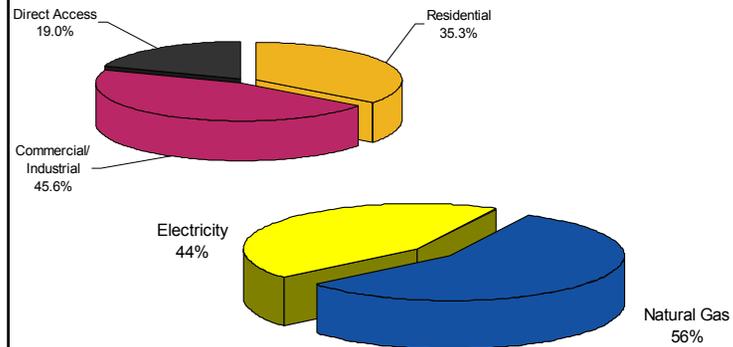
How do we develop sustainably?

Issue: Communities are Mostly Built

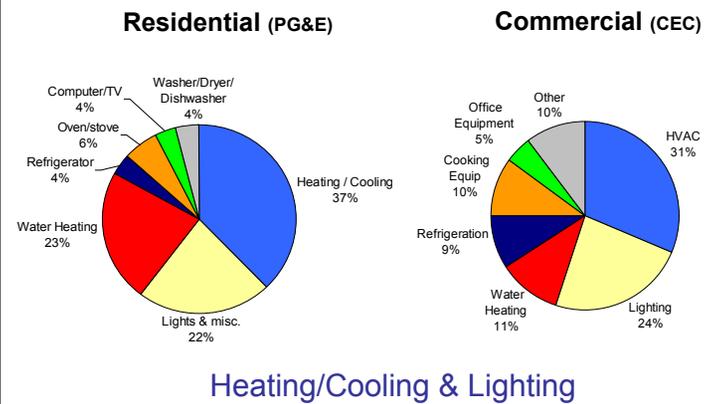


Buildings

Emissions from Buildings



Energy Use in Buildings

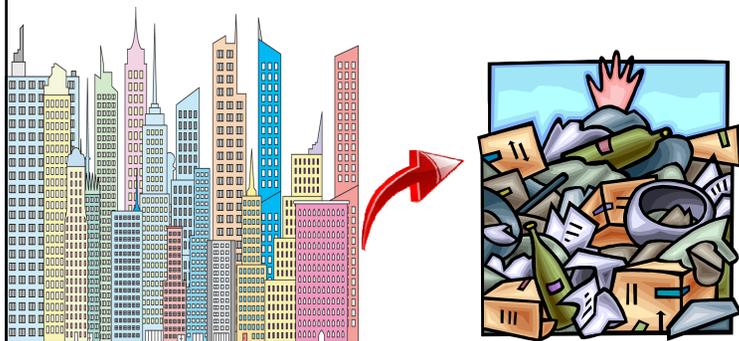


The cleanest energy is the energy we don't use in the first place.

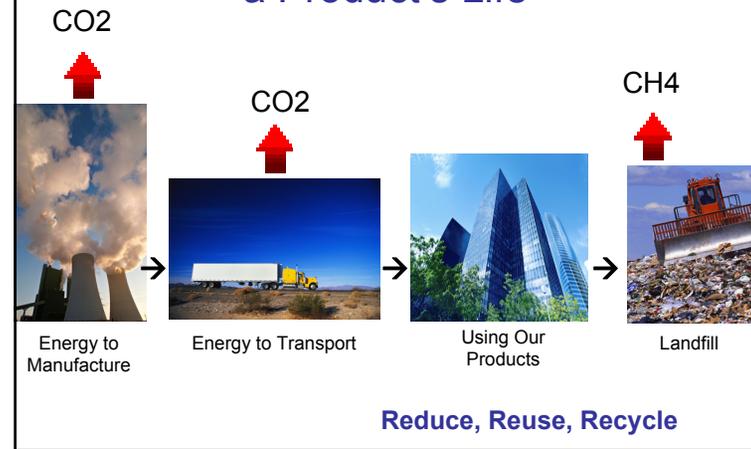
Work Group 3: Energy Efficiency

Where can we really conserve?

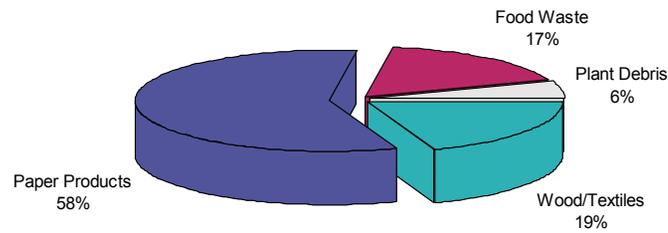
Waste Comes from Buildings



Climate Impacted Through a Product's Life

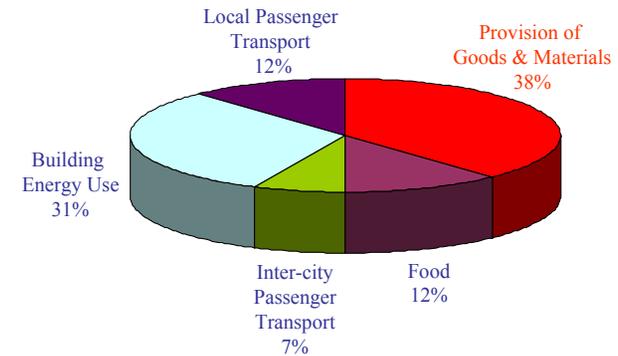


Emissions from Waste



Waste reduction, recycling, composting

US Greenhouse Gas Emission: Alternative Systems View



Source: US EPA (Preliminary)

Work Group 4: Waste Reduction

Where can we reduce?

Connect to Our Communities

Connection will Drive Individual Action



We'll Need to Connect to a Broad Audience

Non-Profits Landlords Liberals
Renters Residents Homeowners
Ages 5 to 95 Conservatives
Industrial businesses All cultures
Government employees Commercial business
Urban Students
Rural Suburban

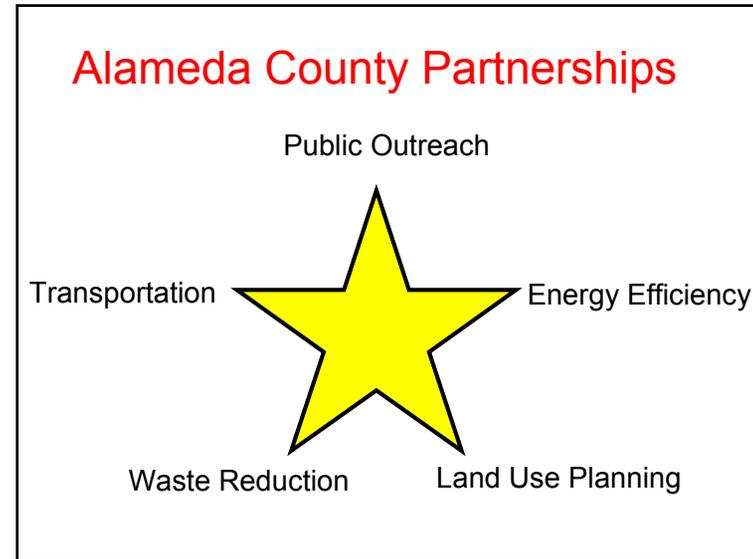
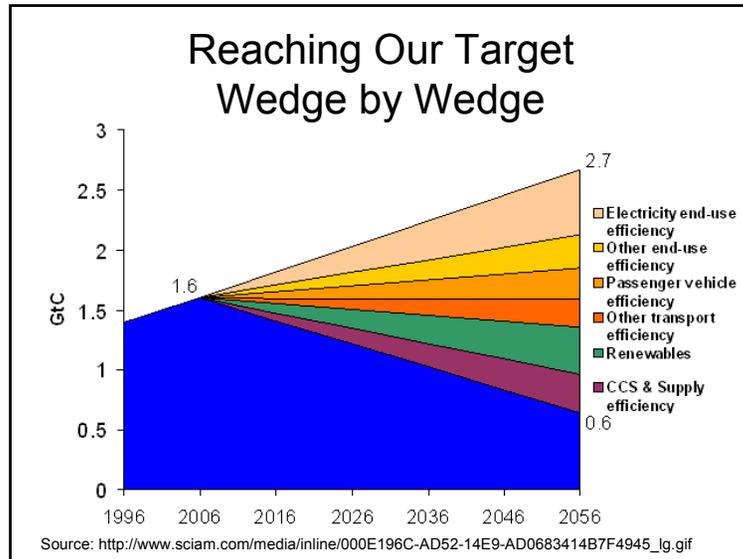
Work Group 5: Public Outreach

How will we convince people to take action ?

We Need to Walk the Talk



How do we deliver sustainable government services?



Decide today where we can work together to achieve real and measurable carbon reductions