

CREATING A 'COOL' CITY



Statewide Energy Efficiency Best Practices Forum
Brendan Reed, Environmental Resource Mgr.



Climate Action Planning with...



NO MONEY

NO EXPERIENCE

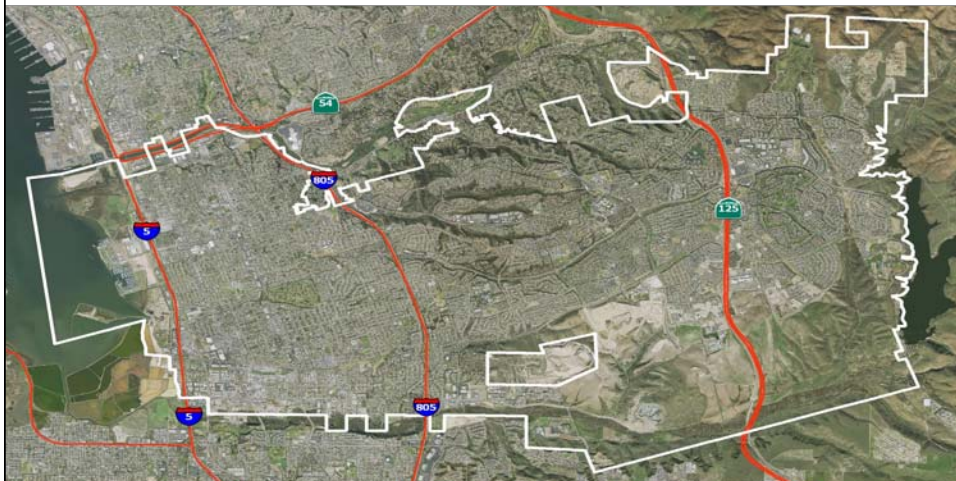
OUTLINE

- **In the beginning...**
 - CV statistics
 - Past climate work
- **Inventories, targets, & plans ... oh my!**
 - Planning phases
 - Planning matrix
- **I wish that someone had told me...**
 - Lessons learned

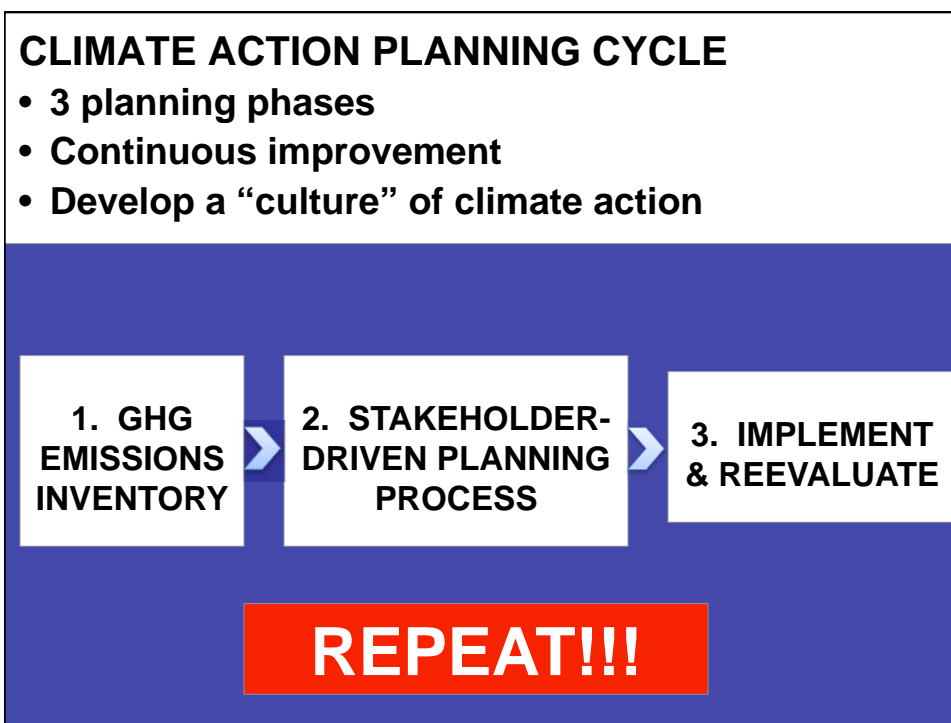


CHULA VISTA STATISTICS

- **231,000 population**
- **Diverse population & landscapes**
- **Future growth → 85,000 residents & 27,000 homes**

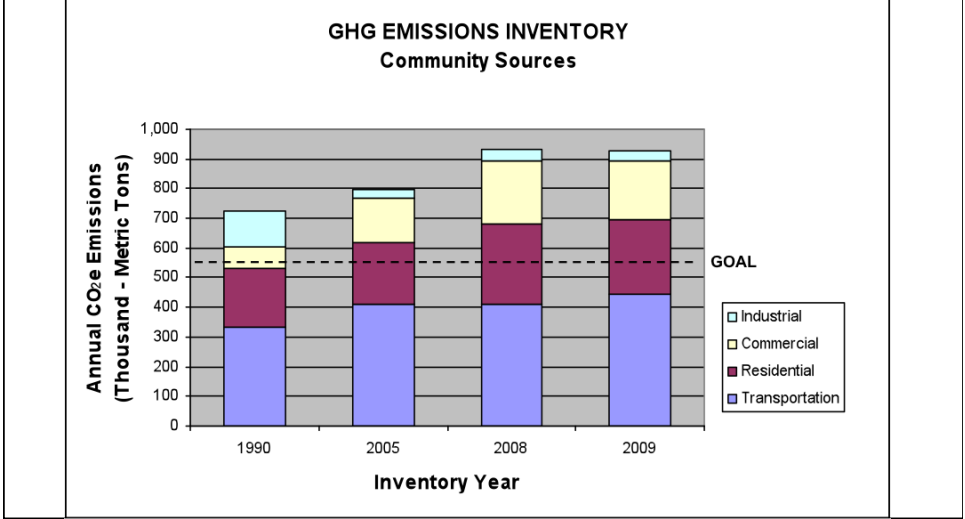


<p>EARLY CLIMATE WORK</p> <ul style="list-style-type: none"> • ICLEI Charter Member (1994) • Original CO₂ Reduction Plan (1996) • Climate Change Working Group <ul style="list-style-type: none"> Mitigation actions (2007) Adaptation planning (2010) 	
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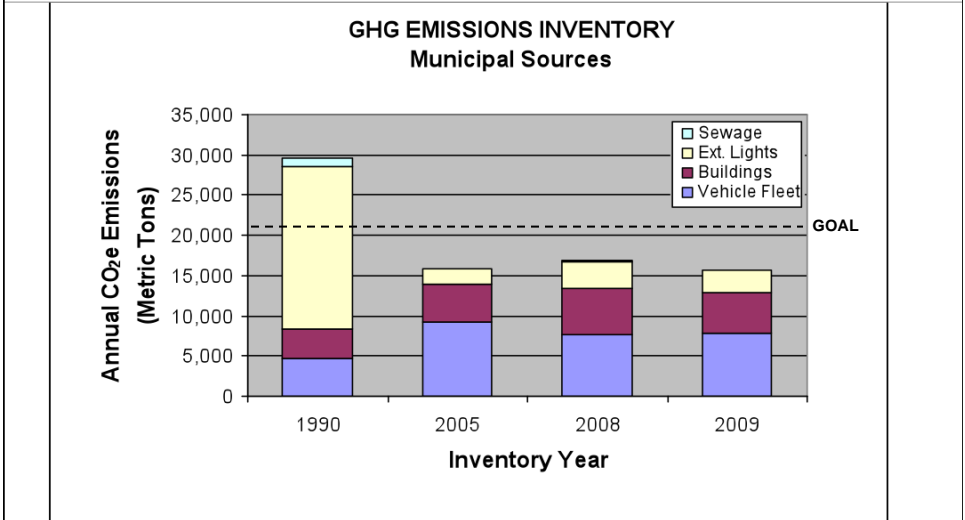
1. GHG EMISSIONS INVENTORY

- Identifies emission sources & drives actions
- Compiled annually by an intern (2-4 months)
- Be aware of limitations!



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2. STAKEHOLDER-DRIVEN PLANNING

- Engage diverse stakeholders
- Well-defined scope, timeline, & criteria
- Avoid analysis paralysis
- Focus on area of influence & actionable items



2. STAKEHOLDER-DRIVEN PLANNING

- Planning matrix for each focus area

Climate Change Working Group
ENERGY - MEASURE EVALUATION

STATUS	PROPOSED MEASURE	CITY JURISDICTION	\$ FEASIBLE	SHORT TIMEFRAME	QUANTIFIABLE IMPACTS (based on ICLEI protocol)	PRIOR EXECUTION	NO ADVERSE IMPACTS	EVALUATION SUMMARY
CURRENT	1 Provide free therm-saving retrofits to local businesses	YES	YES	YES	YES	YES	YES	Likely GHG reductions due to decreased energy use
	2 Provide free CFL light bulbs to local businesses & residents	YES	YES	YES	YES	YES	YES	Likely GHG reductions due to decreased energy use
	3 Provide energy efficient modeling of large construction projects	YES	YES	YES	YES	YES	YES	Likely GHG reductions due to decreased energy use
	4 Require LEED or equivalent standards for City-sponsored projects	YES	YES	YES	YES	YES	YES	Likely GHG reductions due to energy efficiency, renewable energy use, & water conservation
	5 Expand urban forests on public & private properties	YES	YES	YES	YES	YES	YES	Possible GHG reductions thru increased shading & cooling, causing reduced energy use
	6 Provide free energy audits to local businesses & residents	YES	YES	YES	YES	YES	YES	Possible GHG reductions thru reduced energy use
	7 Promote purchase of ENERGY STAR appliances	YES	YES	YES	YES	YES	YES	Possible GHG reductions thru reduced energy use
	8 Promote green buildings through municipal programs	YES	YES	YES	YES	YES	YES	Possible GHG reductions thru reduced energy use

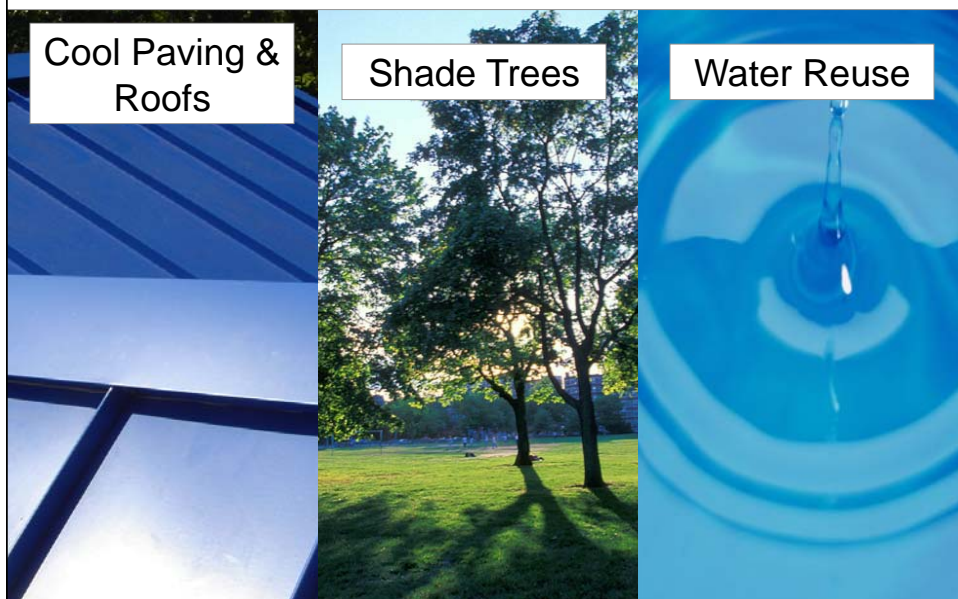
3. IMPLEMENT & REEVALUATE

- Current climate mitigation strategies



3. IMPLEMENT & REEVALUATE

- Proposed climate adaptation/mitigation strategies



LESSONS LEARNED

- Need support from leadership
- Communication is key (stress co-benefits)
- Create partnerships (IOUs, Foundations, Schools)
- Try an “open house” public forum
- Integrate into existing plans & programs



EDUCATE YOUR STAFF TOO!

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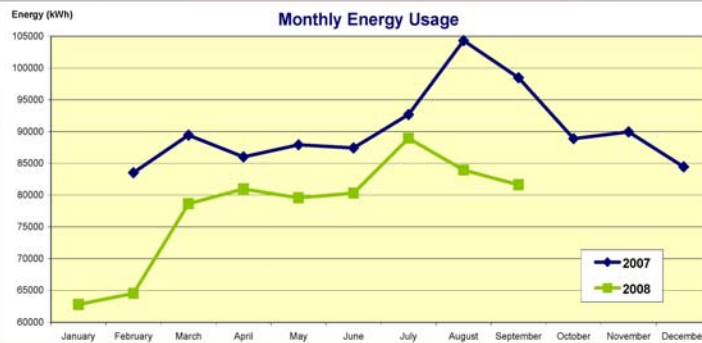


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May	
-10.514%	
June	
-8.875%	
July	
-4.201%	
August	
-24.293%	



As of September 2008, 91,336 kWh and \$11,960 in savings
 10,000 kWh savings = Carbon Emissions from 882 gallons of gasoline

 *Just Do It...*

