



MONDAY, APRIL 12, 2010

7:00 P.M. - REGULAR ENVIRONMENTAL COMMISSION MEETING

Council Chambers, Los Altos City Hall
One North San Antonio Road, Los Altos, California

Any writings or documents provided to a majority of the Environmental Commission regarding any item on this agenda are available to the public on the counter in the main lobby located at One North San Antonio Road, Los Altos CA 94022 during business hours.

ROLL CALL

PUBLIC COMMENTS

Members of the audience may bring to the Commission's attention any item that is not on the agenda. Please complete a "Request to Speak" form and submit it to the staff liaison. Speakers are generally given two or three minutes, at the discretion of the Chair. State law prohibits the Commission from acting on items that do not appear on the agenda.

CONSENT CALENDAR

These items will be considered by one motion unless any member of the Commission or audience wishes to remove an item for discussion. Any item removed from the Consent Calendar for discussion will be handled at the discretion of the Chair.

1. Commission Minutes
Approval of minutes – Regular Meeting of March 8, 2010

DISCUSSION ITEMS

2. Packard Foundation New Building
Informational report by Packard Foundation representative
3. Earth Day Project
Report from Environmental Commission subcommittee on volunteer activities at Earth Day with Acterra, Greentown Los Altos, Youth Science Institute, and City of Los Altos Recreation Department at Redwood Grove on Saturday, April 24, 2010.
4. Community Greenhouse Gas Inventory
Report by Environmental Commission subcommittee on:
 - a. Discussion of greenhouse gas inventory data

- b. Final approval of community greenhouse gas inventory
 - c. Next steps
- 5. Environmental Commission Speakers Presentation
Discussion of next steps for Council report and approval
- 6. Waste Management Services Contract Request for Proposal (RFP)
Update on RFP process and transition plan for the community
- 7. Bay Area Climate Collaborative
Introduction to Bay Area Climate Collaborative with regional groups organized in 10 action areas
- 8. Capital Improvement Program (CIP)
Report for 2010-2014
- 9. Items for Information
 - a. City of Los Altos nominated for Silicon Valley Water Conservation Award
 - b. Update on correspondence received from citizens on traffic signals, recycling bins, heritage oak tree, and waste water treatment facility
 - c. Creek cleanup May 8, 2010
 - d. Report from Commission Chairs meeting with Mayor Casas on March 13, 2010
- 10. 2009-2010 Environmental Commission Goals and Work Plan
Review of 2010 Goals and Work Plan

COMMISSION REPORTS AND DIRECTIONS ON FUTURE AGENDA ITEMS

ADJOURNMENT

In compliance with the Americans with Disabilities Act, the City will make reasonable arrangements to ensure accessibility to this meeting. If you need special assistance to participate in this meeting, please contact the staff liaison 24 hours prior to the meeting at (650) 947-2610. A sound enhancement system is available in the City Council Chamber. You may check out headsets, which boost the public address signal during the meeting. Please ask for assistance PRIOR to the start of the meeting or during a break in the meeting.

MINUTES OF A REGULAR MEETING OF THE ENVIRONMENTAL COMMISSION
OF THE CITY OF LOS ALTOS, HELD ON MONDAY, MARCH 8, 2010, AT 7:00 P.M. AT
LOS ALTOS CITY HALL, ONE NORTH SAN ANTONIO ROAD, LOS ALTOS,
CALIFORNIA

ROLL CALL

PRESENT: Anderson, Rosewater, DeMichiel, Labetich, Keller

ABSENT: Chien-Hale, Bray

PUBLIC COMMENTS

None

CONSENT CALENDAR

1. Commission Minutes
MOTION BY COMMISSIONER DeMICHEL, SECONDED BY COMMISSIONER LABETICH to approve the minutes of the meeting of February 8, 2010. THE MOTION CARRIED UNANIMOUSLY.

DISCUSSION ITEMS

2. Election of Environmental Commission Chair and Vice Chair for 2010/2011
Chair Anderson accepted nominations for Environmental Commission Chair. NOMINATION BY COMMISSIONER DeMICHEL of Vice Chair Rosewater. THE NOMINATION CARRIED UNANIMOUSLY. Chair Anderson accepted nominations for Environmental Commission Vice Chair. NOMINATION BY COMMISSIONER DeMICHEL of Commissioner Labetich. THE NOMINATION CARRIED UNANIMOUSLY. Chair Rosewater began officiating the meeting as chair.
8. Development of Environmental Element to the General Plan
David Kornfield, Planning Services Manager for the City of Los Altos, presented an update on the development of an Environmental Element to the General Plan. Council will provide more direction and staff will provide more information once expected legislation has passed in the summer.
7. Waste Management services Contract Request for Proposal (RFP)
John Zirelli, Recology General Manager, offered comments.

Commissioner Anderson and staff provided an update that the Selection Committee has recommended a preferred vendor to Council and Council has approved negotiating a contract with Mission Trail Waste Systems.

3. Earth Day Project
Chair Rosewater provided an update on discussions with Acterra and GreenTown Los Altos for co-sponsoring a project for Earth Day. MOTION BY VICE CHAIR LABETICH, SECONDED BY COMMISSIONER KELLER that language be added to the Commission website stating "the Environmental Commission thanks GreenTown Los Altos, in partnership with Acterra and the Los Altos Recreation Department, for organizing a hands-on volunteer

work day and environmental open house at Redwood Grove.” MOTION CARRIED UNANIMOUSLY. MOTION BY COMMISSIONER KELLER, SECONDED BY COMMISSIONER ANDERSON that language be added to the Commission website stating “the Environmental Commission thanks GreenTown Los Altos, in partnership with the Los Altos Library, for arranging a lecture by Stanford University Professor Robert Dunbar, who will discuss the current state of climate change and what we can expect in the future. This scientific perspective is based on his research in the Antarctic, the global ocean and the Americas, as well as his participation in the 2009 UN Copenhagen Climate Conference. Dunbar will also address the most commonly held misconceptions about climate change and how scientists differentiate between manmade and natural effects.” MOTION CARRIED UNANIMOUSLY.

4. GreenTown Los Altos Sustainable Events Program

Staff provided an update on the efforts to place information from the GreenTown Los Altos Sustainable Events Program presentation from March 8, 2010. After discussion, motion from the February 8, 2010 meeting was changed and staff was requested to place the GreenTown Los Altos Green Event Guidelines on the website in place of the slide presentation on March 8, 2010.

Commissioners discussed how the new garbage contract will affect public events. MOTION BY CHAIR ROSE WATER, SECONDED BY COMMISSIONER LABETICH that the Commission wants the contract negotiations to put language in the contract that provides for higher diversion rates at public events at reasonable rates, AMENDED BY COMMISSIONER KELLER to say the Commission wants the contract negotiation to “consider putting”.... MOTION CARRIED UNANIMOUSLY.

5. Community Greenhouse Gas Inventory Subcommittee

This item was continued to the April Commission meeting. Chair Rosewater will convene the subcommittee to prepare a report for the Commission.

6. Formation of Environmental Commission Speakers Presentation

This item was continued to the April Commission meeting for discussion of a report to Council.

9. Items for Information

Staff report on:

- a. City of Los Altos nominated for Silicon Valley Water Conservation Award
- b. Update on Environmental Commission website hits.
- c. Commission Chairs meeting with Mayor Casas on March 13, 2010 from 8:00-9:00 am at Neutra House.

10. 2009-2010 Environmental Commission Goals and Work Plan

Commissioners discussed the 2009-2010 Environmental Commission Goals and Work Plan and the timeline for developing the 2010-2011 Goals and Work Plan.

COMMISSION REPORTS AND DIRECTION ON FUTURE AGENDA ITEMS

ADJOURNMENT

Chair Rosewater adjourned the meeting at 9:02 p.m.

J. Logan, Assistant City Manager and STAFF LIAISON

Attachment 3

saturday
april 24

10:00 am - 2:00 pm
482 university ave - los altos

Volunteer!

1 hr worksessions
with acterra 10, 11:30 & 1:00

Learn!

native plants
community
resources
site tours
YSI animal program

Enjoy!

friends
neighbors
outdoors

redwood grove

earthday

celebration!

events repeat, plan for 1-2 hour stay
please walk, bike or carpool- park on lincoln ave



Partnering for an environmentally healthy community!

Attachment 4

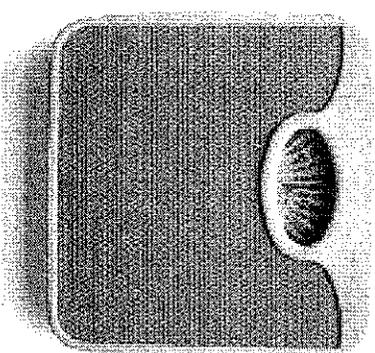
Community GHG Survey

Los Altos Environmental Commission

Interim Update 02/08/10

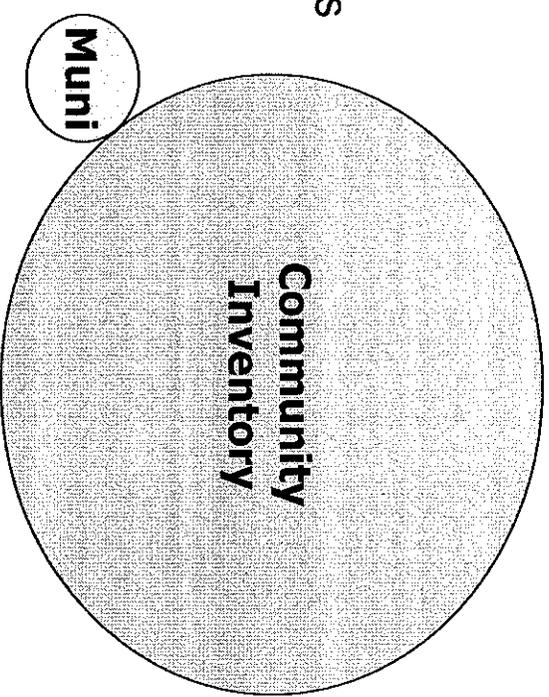
What is a GHG Inventory, and How does it Help?

- o Provides an overall measurement of GHG's, and a breakdown of the contributing elements



it's like weighing yourself before starting a weight loss program – you can't improve what you can't measure . . .

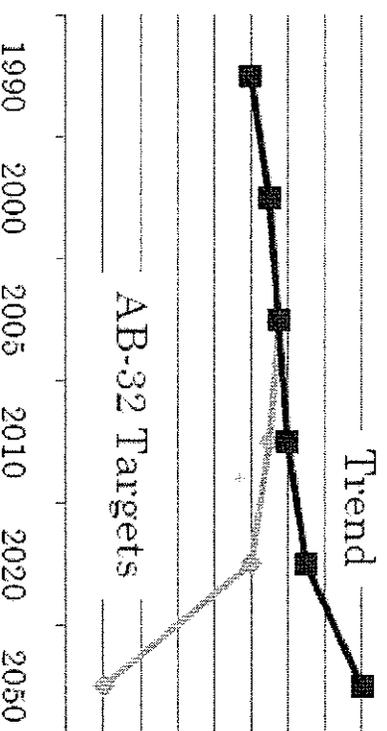
- o Find the 'low-hanging fruit'
- o Focus reductions on biggest impacts, best ways to apply scarce resources cost-effectively
- o Two inventories – municipal and community



What is Driving a GHG Emissions Inventory?

- o AB-32, California's Global Warming Solutions Act of 2006
 - "Ensure rigorous and consistent accounting of emissions"
- o Specific Targets defined in AB32 - reduce statewide GHG emissions to . . .
 - 2000 levels by 2010
 - 1990 levels by 2020
 - 80% below 1990 by 2050

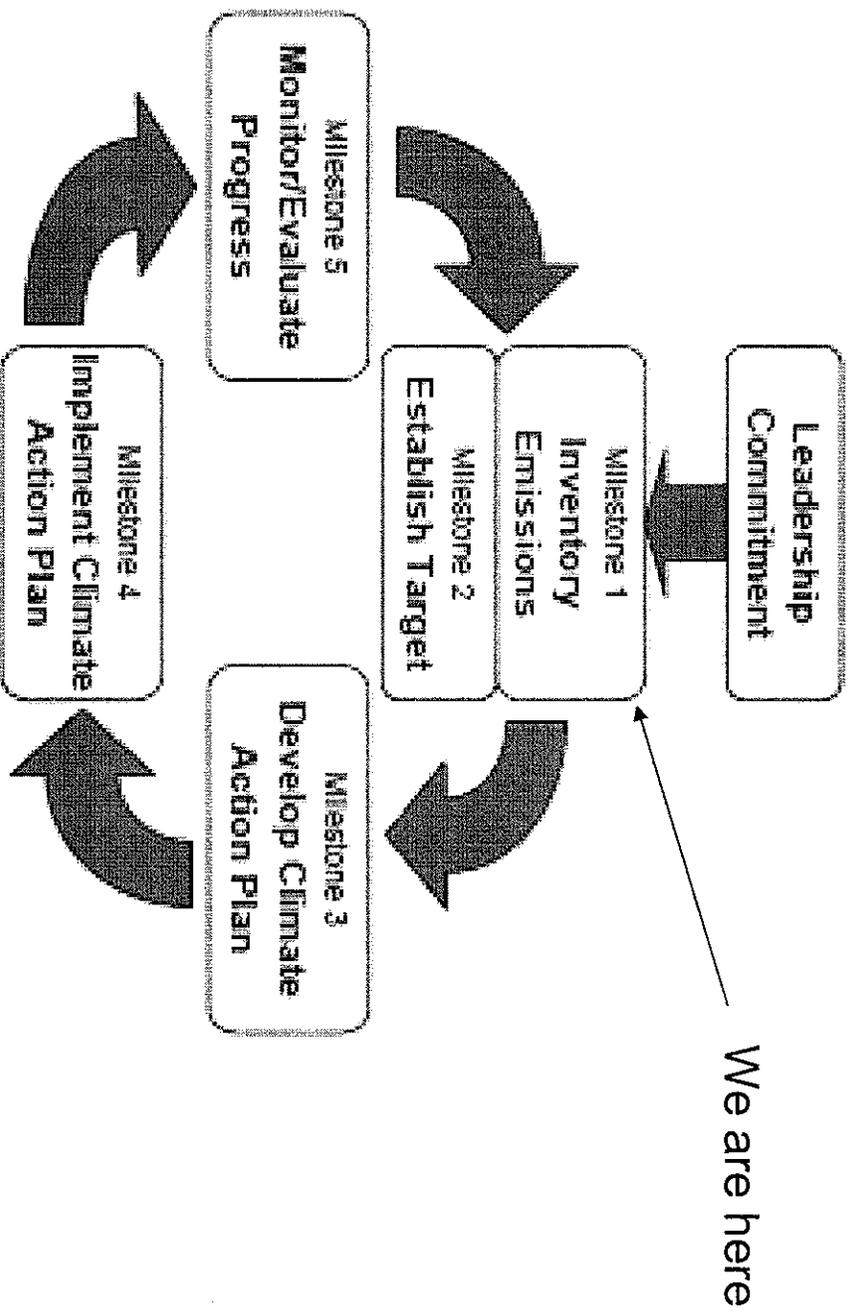
AB32 Scoping Plan Recommends
15% Reduction from Current by 2020



- o Many cities are now engaged in GHG inventory activity
Palo Alto, Menlo Park, Santa Clara, Santa Cruz, Woodside, San Carlos
South San Francisco, Daly City, Monte Sereno, Cupertino, Mountain View,
Redwood City, Brisbane, San Bruno, Saratoga, Hillsborough, Foster City,
Los Gatos, Half Moon Bay, Los Altos, Campbell, Milpitas, etc.

ICLEI's Recommended Process

Figure 1.1 The Five-Milestone Process



How are GHG Inventories Calculated?

Table 2.3 Inventoried Emission Sources by Scope⁸

Scope 1	Scope 2	Scope 3
Fuel consumed to heat/cool all facilities	Purchased electricity consumed by facilities	Solid waste generated by government operations
Fuel consumed for vehicles and mobile equipment	Purchased electricity consumed by electric vehicles	Fuel consumed for employee vehicles used for commuting
Fuel consumed to generate electricity	Purchased steam for heating or cooling facilities	
Leaked refrigerants from facilities and vehicles		
Leaked/deployed fire suppressants		
Wastewater decomposition and treatment		
Solid waste in government landfills		

Some GHG Conversion Factors . . . not all kWh's are Equal!

Table 1.2.1. Common Energy Sources and CO₂ Emissions Impacts

Common fuels/Power sources	Measure	CO ₂ emissions (lbs.)
Grid electricity/NPCC New England*	1 kWh	0.91
Grid electricity/SERC South*	1 kWh	1.49
Grid electricity/NECC Rockies*	1 kWh	2.04
Grid electricity/NECC California*	1 kWh	0.88
Mixed gasoline**	1 gallon	19.38
Diesel fuel No. 1 & No. 2**	1 gallon	22.33
Jet fuel (Jet A or A-1)**	1 gallon	21.05
Propane**	1 gallon	12.63
Natural gas†	1 therm	11.67

Sources: *U.S. EPA eGRID 2006 V2.1 (2004 data); **U.S. EPA Inventory of Greenhouse Gas Emissions and Sinks (2007); Emissions Factors for Natural Gas; General Reporting Protocol, The Climate Registry 2009 V1.0.

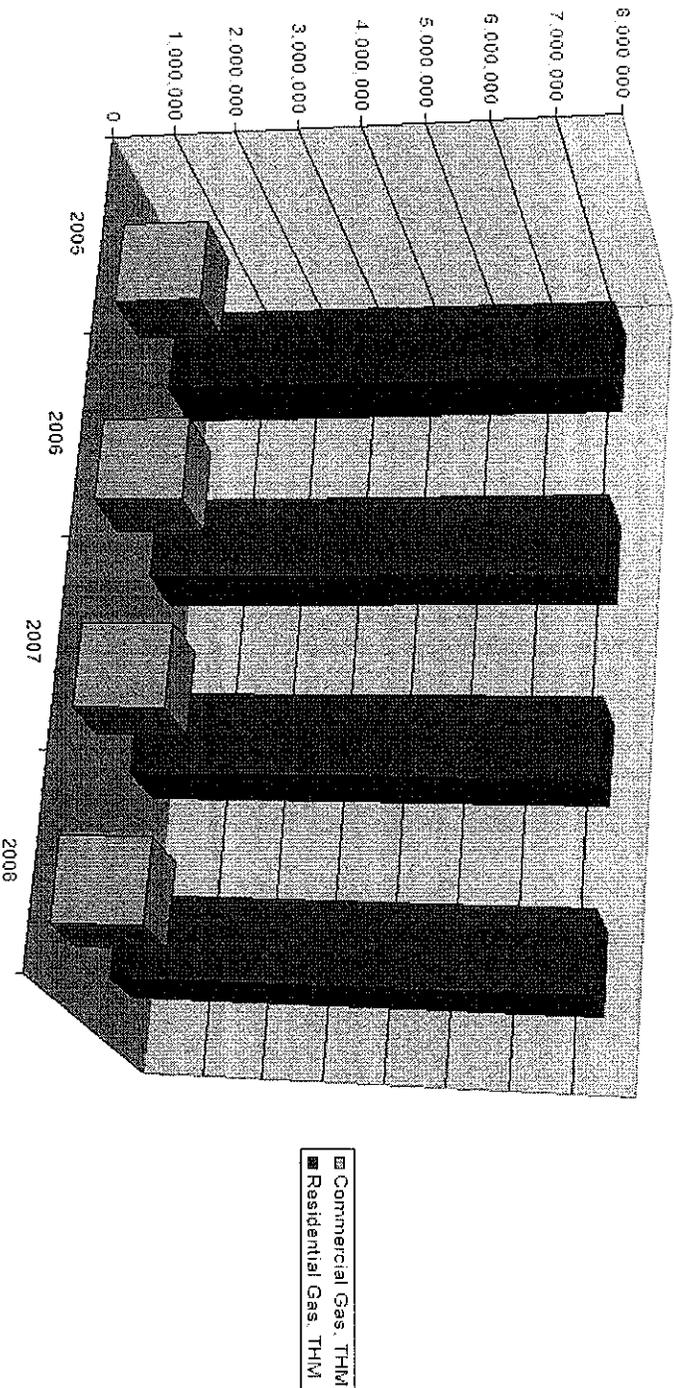
Los Altos Community Inventory Approach

- o Community inventory generally less detailed and time consuming than municipal inventory
- o Different cities have put varying levels of effort into auto/air estimates; standard estimates exist based on population numbers
 - LAH used estimates
 - PA used data from survey results conducted by PA 'GRCC'
- o Key data points for community inventory
 - electricity and gas use – obtained information from PG&E
 - solid waste
 - auto transportation
 - other
- o Develop initial community inventory using standard ICLEI approach and 'cook book'
- o After initial inventory is complete, EC will present the findings, and seek possible community input on more detailed transportation numbers for a future update, date TBD.

Data on Community Energy Use, 2005 - 2008

Los Altos Residential and Commercial Energy Usage, 2005-2008					
	2005	2006	2007	2008	
Commercial Electricity, KWH	56,594,701	58,657,196	60,946,008	60,605,314	
Residential Electricity, KWH	92,370,758	94,498,691	93,768,034	94,953,068	
Commercial Gas, THM	1,392,592	1,414,741	1,468,634	1,458,772	
Residential Gas, THM	7,386,122	7,458,906	7,507,876	7,581,962	

Los Altos Residential and Commercial Gas Use 2005 - 2008



Auto Transportation Data using ICLEI Method

COUNTY	JURISDICTION	MAINTAINED MILES			DAILY VEHICLE MILES OF TRAVEL (DVMT) [1,000]		
		RURAL	URBAN	TOTAL	RURAL	URBAN	TOTAL
SANTA CLARA							
CITIES:	CAMPBELL	0.00	88.52	88.52	0.00	549.53	549.53
	CUPERTINO	0.00	122.07	122.07	0.00	551.37	551.37
	GILROY	3.96	78.86	82.82	1.39	270.19	271.57
	LOS ALTOS	0.00	111.17	111.17	0.00	362.02	362.02
	LOS ALTOS HILLS	0.00	47.74	47.74	0.00	95.98	95.98
	LOS GATOS	0.93	110.54	111.47	0.33	440.76	441.09
	MILPITAS	0.00	127.91	127.91	0.00	520.46	520.46
	MONTE SERENO	0.00	12.60	12.60	0.00	29.68	29.68
	MORGAN HILL	0.00	100.88	100.88	0.00	332.89	332.89
	MOUNTAIN VIEW	0.00	141.49	141.49	0.00	760.91	760.91
	PALO ALTO	7.28	193.11	200.39	5.14	899.65	904.79
	SAN JOSE	11.96	1,932.71	1,944.67	4.19	7,986.07	7,990.25
	SANTA CLARA	0.00	227.16	227.16	0.00	1,332.84	1,332.84
	SARATOGA	0.00	146.33	146.33	0.00	371.24	371.24
	SUNNYVALE	0.00	300.53	300.53	0.00	1,355.80	1,355.80
OTHER:							
	ARMY CORPS OF ENGINEERS	21.00	0.00	21.00	7.35	0.00	7.35
	COUNTY (UNINCORPORATED)	392.80	291.29	684.10	363.71	2,890.00	3,253.71
	DEPARTMENT OF DEFENSE	0.00	0.80	0.80	0.00	0.68	0.68
	STATE HIGHWAY	81.68	182.79	264.47	1,988.34	19,714.13	21,702.48
	STATE PARK SERVICE	137.10	0.00	137.10	12.34	0.00	12.34
	UNIVERSITY OF CALIFORNIA	0.00	0.38	0.38	0.00	2.18	2.18
SANTA CLARA Total		656.71	4,216.97	4,873.58	2,392.78	38,466.37	40,849.15



2005 California Public Road Data
 Spatial Information derived from the Highway Performance Monitoring System

This process may undercount for Los Altos; assuming 2 cars/household, average annual 'mileage per car' would be 8,395 (vs ~15,000)

Air Transportation Data – Estimation Method

	Los Altos Multiplier	Average US Miles Per Capita, 2005	Los Altos Per Capita	CO2 lbs/mi	Total lbs/cap	Los Altos population	Total Tonnes
Domestic Air Travel	2	1,776	3,552	0.64	2,273	29,000	29,952
International Air Travel	2	687	1,373	0.39	536	29,000	7,057
							37,009

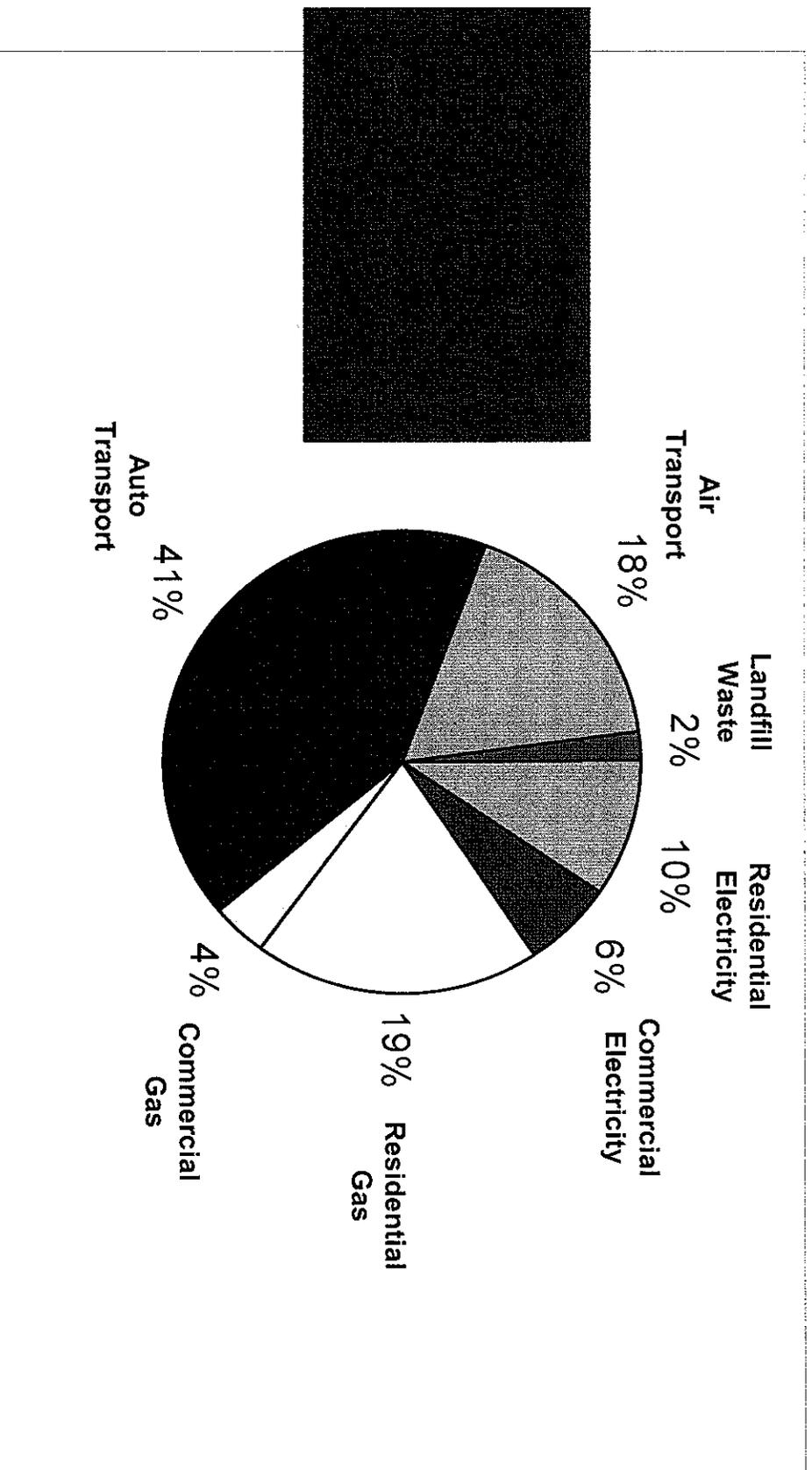
Sources: RITA US Air Carrier Traffic Statistics, Jan-December 2005, GHG Protocol Mobile Combustion Tool

PRELIMINARY Los Altos Community GHG Inventory – ICLEI Method

<u>Category</u>	<u>Tonnes CO2e</u>	<u>% of Total</u>
Residential Electricity	20,652	10%
Commercial Electricity	12,653	6%
Residential Gas	40,657	19%
Commercial Gas	7,666	4%
Auto Transport	86,955	42%
Air Transport	37,009	18%
Landfill Waste	3,848	2%
Total	209,440	

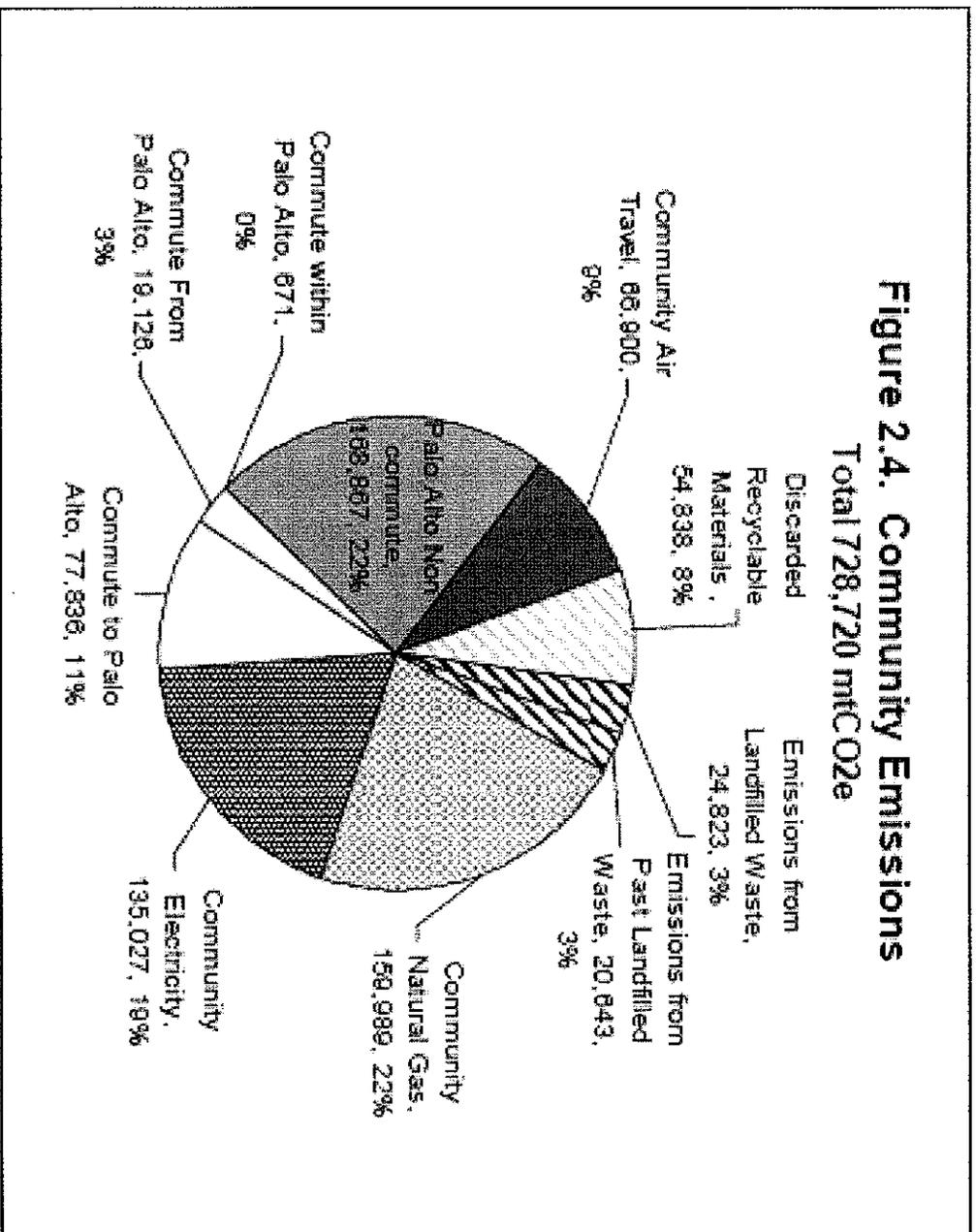
NOTE: Preliminary analysis of Los Altos energy use, travel estimates

PRELIMINARY Los Altos Community GHG Inventory – ICLEI Method



NOTE: Preliminary analysis of Los Altos energy use, travel estimates

Comparison Data - Palo Alto Community GHG Inventory



Source: Palo Alto Climate Protection Plan, approved December 2007; data represents 2005 baseline year emissions

Next Steps . . .

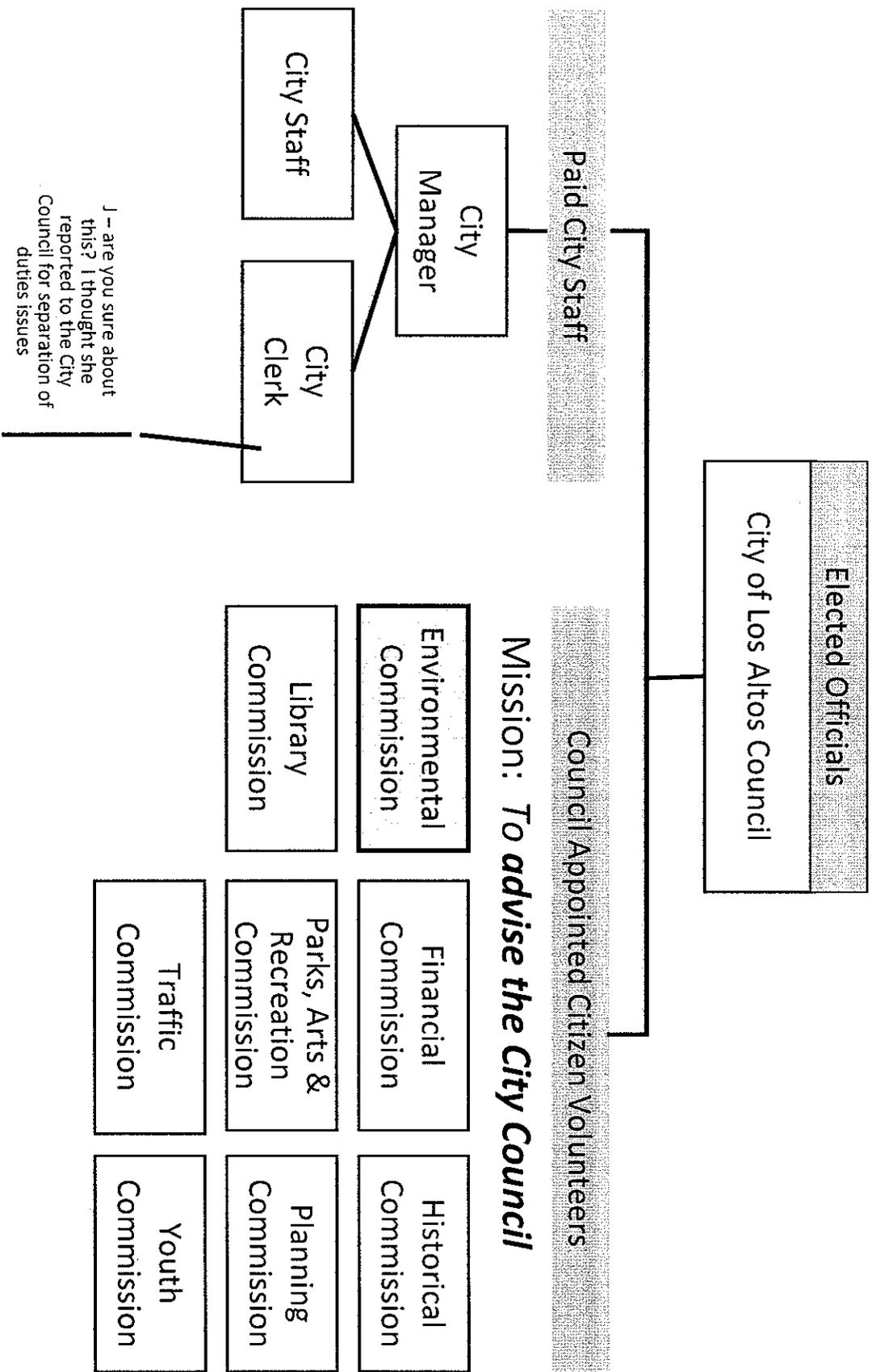
- Final confirmation of approach, numbers and model entries
- Develop key 'take aways' and recommendations
- Presentations



**City of Los Altos
Environmental Commission**

January 2010

City of Los Altos Governance Structure



Environmental Commission is not a Community Volunteer Group

	Environmental Commission	Community Volunteer / Non-Profit Groups
Mission	<p>The mission of the Los Altos Environmental Commission is to advise the City Council on issues related to environmental sustainability, including:</p> <p>(1) Evaluation and recommendation of policies and programs to make Los Altos an environmentally sustainable place to live and work.</p> <p>(2) Provide public information and education regarding environmentally sustainable lifestyles</p>	<p>To engage citizens in specific programs / actions.</p>
Primary Function	<p>"Commissioners are appointed by Council to research topics in the areas assigned to their commission by Council, to ensure that they understand all aspects of these topics, and to present balanced recommendations that represent their carefully considered judgment of what is best for the community as a whole over the long run. Hence they are not advocacy groups." *</p>	<p>Decide policy / strategy. Develop and manage resulting programs.</p>
Governance	<p>Subject to all Brown Act provisions: (1) Publicly Noticed monthly meetings. (2) Agenda items only, (3) Informal discussion between > 3 members prohibited. All actions must be approved by City Council</p>	<p>Governance structure determined by Board. No legislative limit on number of meetings, topics discussed, or informal meetings.</p>
Budget	<p>Budget authorized by City Council</p>	<p>Funds generally from private sources; spending decisions authorized by Executive Director or Board.</p>
Staffing	<p>"Commissions work closely with the staff liaisons; however, they do not have the authority to supervise or direct the work of staff. Special assignments to staff are made through the City Manager." * The Chair of a Commission may appoint special subcommittees, consisting of less than a quorum of the body, to work on specific tasks. *</p>	<p>Strong volunteer base.</p>

* Source: Commission Handbook

2008/2009 Results

- Waste Management: 2009/2010 recommendations incorporated into Request for Proposal (RFP)
- Hazardous Waste: Los Altos Hazardous Waste Disposal Directory created and published
- Housing Element: updated to incorporate water and energy conservation goals
- Plastic Bag Ban Education Program: input to City Council
- Water conservation – Resolution and public education
- Municipal Greenhouse Gas (GHG) inventory completed
- Environmental Website enhancements (www.losaltosenvironment.org)

J – anything we can say
about what the input was?

Waste Management Highlights

Waste Request for Proposal (RFP) recommendations to City Council

Los Altos should adopt the following waste management goals:

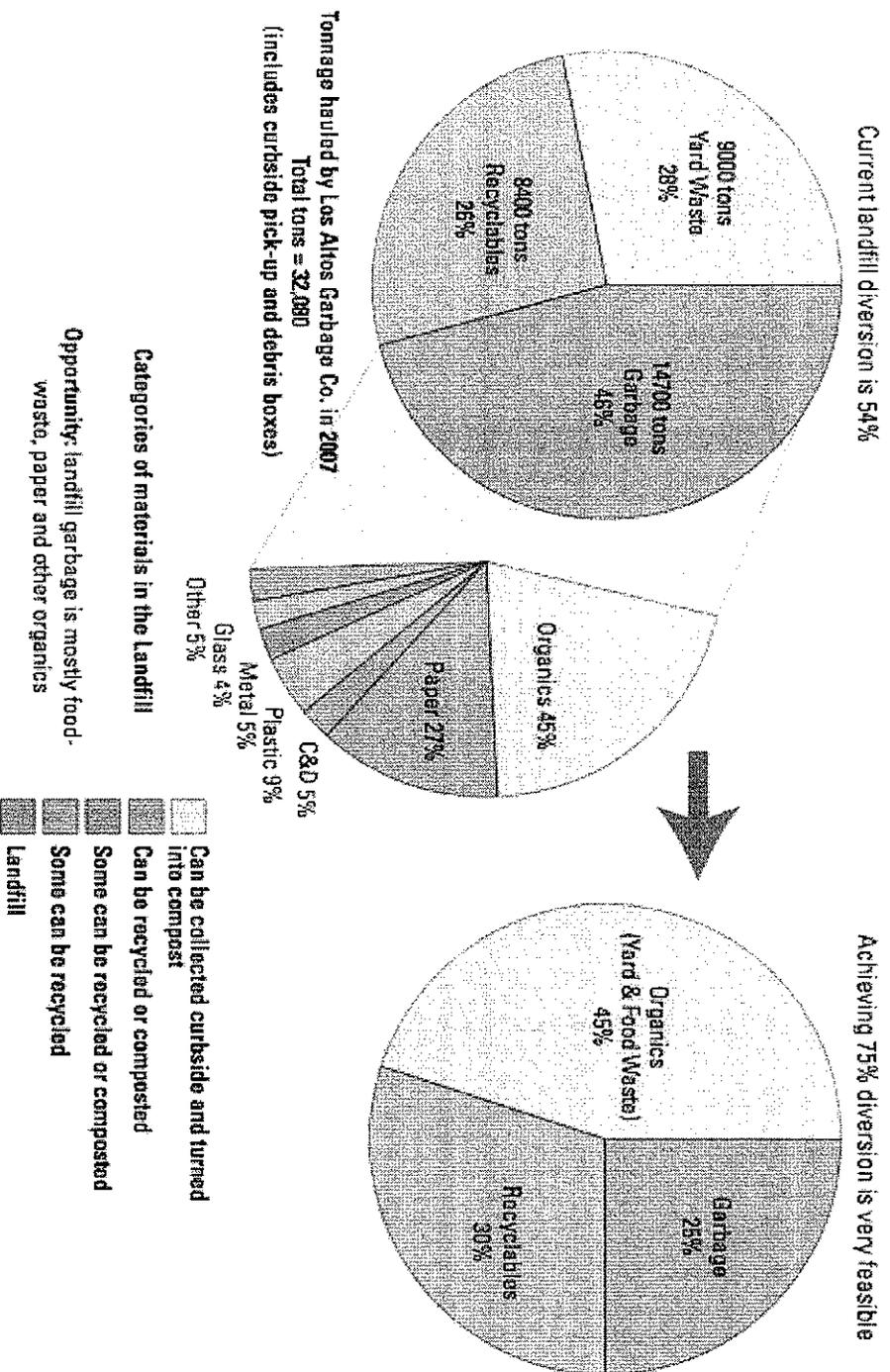
- 75% diversion by 2013; 100% diversion 2020
- Reduce total waste by 5% by 2013
- Reduce toxins in the environment generated from improper disposal of household hazardous waste and universal waste (U-waste)

The Los Altos Waste Management RFP should include the following:

1. Weekly residential foodwaste and compostables collection
2. Weekly recyclables collection in standardized rolling bin
3. Implement smaller garbage can size options
4. Make side-yard garbage pick-up an optional service
5. Curbside collection of household hazardous wastes
6. Collect commercial food waste & compostables
7. Standardize commercial and multi-tenant recycling pickup
8. Public education and outreach program (in waste contract)
9. Bins for recycling/compostables in commercial & public spaces
10. Structure contract with incentives for landfill diversion

Input from GreenTown Los Altos – Dec 2008

Recycling organics – food mainly – could keep almost half of our garbage out of the landfill.



Hazardous Waste Disposal

Most hazardous materials can be recycled within 10 minutes of Los Altos, with many downtown vendors providing recycling drop-off services.

Hazardous Waste Item (More listings)	Local Drop off Locations Note: All Los Altos vendors listed on the Santa Clara County website are listed here. If there were no Los Altos options, the next closest vendor was selected. If you would like to participate, click here for the county website and contact information.	County HHW Facility (1) :
Antifreeze	a) Palo Alto Recycling Center, 2380 Embarcadero, PA b) For more listings	Yes
Batteries – household (not automotive)	c) Los Altos Hardware, 441 1 st Street, LA d) Radio Shack, 1350 Grant Rd, MV e) For more listings	Yes
Batteries - Automotive	f) Kragen Auto Parts, 2620 California Street, MV; 1915 W El Camino Real, MV g) Palo Alto Recycling Center, 2380 Embarcadero, PA h) For more listings	Yes
Cell Phones	i) For More Listings j) also watch for free e-waste collection events throughout the year	----

See <http://www.losaltosenvironment.org/> for complete listing

Current Environmental Commission

Commission Members

- Steve Anderson – Chair
- Patty Rosewater – Vice Chair
- Don Bray
- Elizabeth Chien-Hale
- Linda DeMichiel
- Chris Keller
- Ron Labetich

Staff Liaison: J. Logan, Assistant

City Manager

2009/2010 Work Plan

- Los Altos Waste Contract
 - RFP Priorities
 - Smooth Transition
 - Community Education
- Greenhouse Gas (GHG) Inventories
 - Municipal
 - Community
- Water Conservation
 - 2004 Baseline
 - Community Education

How can we best serve you?

- **Do you have ideas / proposals** for consideration related to preserving the environment for Los Altos?
 - Come to our regular monthly meeting, utilize opportunity for public comment
 - Send an e-mail to environmental@losaltosca.gov
 - Talk to any Environmental Commissioner, City Council Member, or city staff member.
- Education / Outreach
- Policy
- Legislation
- Web site content

Do you need information regarding environmental programs in Los Altos?

- Visit our web site regularly at <http://www.losaltosenvironment.org>
- Environmental Commission agendas and materials are posted at <http://www.ci.losaltos.ca.us/committees-commissions/environmental/meetings.html>

Are you interested in serving?

Commission Structure

- 7 members
- 4 year terms
- Meet 2nd Monday of each month for 2-3 hours
- < 10 hours per month including Commission meetings
- Opportunity to be appointed to subcommittee to work on assigned projects

Application Process

- Contact the City Clerk at 947-2720 *or* go directly to <http://www.losaltosca.gov/committees-commissions> to fill out Application, turn in to City Hall
- All candidates interview by City Council
- City Council selects Commissioners
- **Next Environmental Commission opening in 2011**

Bay Area Climate Compact

Commitments of the cities of San Francisco, San Jose and Oakland signed March 6, 2009.

PREAMBLE

We, as signatories of this Bay Area Climate Change Compact, recognize the need for immediate, coordinated and visionary action on greenhouse gas reductions and progress toward a sustainable society that is resilient to climate change. Further, we:

- Fully support the state of California's climate change goals set forth in the AB 32 Global Warming Solutions Act and Executive Order # S-3-05 (2000 levels by 2010, 1990 levels by 2020, 80% below 1990 by 2050);
- Have each established our respective municipal, agency, and organizational goals and programs;
- Recognize that the challenges we face are regional in nature and can best be addressed in partnership;
- Will strive to enable and expand the environmental, economic, and equity benefits of climate action;
- Will commit leadership resources to work together in order to realize our shared vision.

PURPOSE

We are committed to creating a public-private identity that best serves our region and all of its municipalities, institutions, and communities in helping to meet the state of California's goals for reducing greenhouse gas emissions. We are also dedicated to helping Bay Area communities prepare for and adapt to the impacts of climate change.

VISION

Our vision is to enable a healthy, safe and globally competitive Bay Area through collaborative action on climate change. Our coordinated efforts will be a model for regional action in California, the nation, and the world.

LEADERSHIP CALL TO ACTION

We will promote our vision through various channels of action, including public policy, education, market shifts and behavioral change. Our approach will evolve over time. We challenge the region to join us in our efforts. We will work together to advance:

- A sustainable built environment, encompassing buildings, public spaces, waste reduction and resilience to climate change, including sea level rise;
- Models of planning and development that reduce the region's carbon footprint;
- Economic opportunity and innovation that makes possible green jobs, provides workforce training and education, and enables cutting-edge research and development;
- Renewable energy choices that decrease reliance on carbon-intensive fuels;
- Transportation and commuting choices that improve our quality of life;
- Constructive legislation at the local, state, and federal level; and
- Increase the volume of waste products diverted from landfills.



San Francisco



Oakland



San Jose



California Energy
Commission



Bank of America



To accelerate results, and best serve the region, we will seek to:

- Advance models for use by the broader regional community on effective local actions being taken to reduce GHG emissions;
- Help to identify and disseminate emerging best practices for each sector: public, private, and civil society;
- Accelerate adoption of solutions by scaling up successful programs across the region;
- Where advantageous, leverage selected green resources (e.g. solar inspectors, community college green collar programs), in order to maximize limited resources and speed progress;
- Harmonize standards for more effective dissemination and action across the region, and;
- Monitor and track progress in reducing emissions and increasing resiliency.

ACTION AREA GOALS

Our public-private partnership will initially focus on the three largest Bay Area cities to guide and develop, by joint example, actions that reduce the region's greenhouse gas emissions, and increase the region's resiliency to the impacts of climate change. Action area goals and aggregate targets for the three cities, working in cooperation with the partners to this Compact include:

1. Establish an example reference standard for "baseline" green building and rooftop solar practices by the end of 2010;
2. Incentivize and encourage transportation mode-shifts, such as networked work locations, bicycling and public transit, to reduce 2008 baseline gasoline consumption 3% by the end of 2013, and 8% by the end of 2018;
3. From a 2008 baseline, increase by 30% the use of renewable sources for electrical energy by the end of 2013 and by 50% by the end of 2018;
4. Through conservation and energy efficiency, reduce electrical energy usage in buildings from a 2008 baseline by an average of 10% by the end of 2013 and by 15% by the end of 2018;
5. Increase the available blue and white collar "clean and green workforce" course/trainings by the end of 2013 and help place 20,000 trainees and graduates in the labor force by the end of 2013;
6. From a 2008 baseline, decrease community water consumption by 15% by the end of 2013 and 20% by the end of 2018 and increase water recycling rates by 10% by the end of 2013 and 15% by the end of 2018;
7. Develop and adopt municipal and organizational climate adaptation plans by the end of 2013 to increase resiliency to the impacts of climate change;
8. Implement a common, ongoing region-wide public information campaign by the end of 2010, to reduce greenhouse gas emissions and increase community resiliency;
9. Increase solid waste diversion from landfills to 75% by the end of 2013, and achieve zero waste by the end of 2020;
10. Increase the number of zero emission and other advanced ultra-low emission light duty vehicles to 10% of municipal fleets by the end of 2013, and to 25% by the end of 2018.



San Francisco



Oakland



San Jose



California Energy Commission



CITY OF _____
RESOLUTION NO. _____

A RESOLUTION TO BECOME A MEMBER OF THE BAY AREA CLIMATE COLLABORATIVE

WHEREAS, the City of _____ recognizes that our reliance on foreign fuels is dangerous and erodes local and national security; and

WHEREAS, the City of _____ understands that an economy based on clean energy increases our energy independence, reduces the impacts of climate change, and creates economic opportunity, especially in the Bay Area; and

WHEREAS, the State of California has established climate change goals set forth in AB 32, the Global Warming Solutions Act; and

WHEREAS, the City of _____ recognizes that common direction in the region will accelerate the clean energy economy and help meet the climate change goals established by the State; and

WHEREAS, the City of _____ has established (*or will establish*) public *and/or* organizational clean energy and greenhouse gas reduction goals and programs; and

WHEREAS, the City of _____ understands the challenges of growing the clean energy economy and global warming are regional in nature and can be best addressed in partnership with other agencies and private entities; and

WHEREAS, the Bay Area Climate Collaborative is a public-private partnership of municipalities, business groups, regional agencies, environmental organizations, educational institutions; and

WHEREAS, the Bay Area Climate Collaborative is dedicated to achieving 10 action area goals to effectively accelerate the clean energy economy, address the challenge of climate change and sustain our quality of life, as defined in the Bay Area Climate Change Compact, attached hereto as Exhibit A.

NOW, THEREFORE, BE IT RESOLVED that the City of _____:

- (1) Joins the Bay Area Climate Collaborative; and
- (2) Agrees to commit leadership support as needed to collaboratively assist regional progress towards the 10 action area goals of San Francisco, Oakland and San Jose identified in the Compact; and
- (3) Directs staff to identify a specific point of contact for the Bay Area Climate Collaborative and participate in working groups relevant to city objectives.



Bay Area Climate Collaborative Frequently Asked Questions

1. What is the Bay Area Climate Collaborative (BACC)?

The BACC is a regional public-private initiative focused on accelerating the clean energy economy, reducing climate impacts greenhouse gas emissions, and increasing the region's resilience to the effects of global climate change.

As a public-private entity working with the municipalities, non-profits and communities to reduce greenhouse gas emissions to support California's AB 32-Global Warming Solutions Act, the BACC partners with businesses, local, state and regional agencies, leveraging and coordinating limited resources to accomplish goals established in ten specific action areas.

2. How and when was the BACC formed?

After 12 months of development and analysis from municipalities, non-government organizations and private sector partners, the Mayors of Oakland, San Francisco and San Jose signed the BACC Charter on March 6, 2009.

3. Who are the partners?

- **Municipal Partners:** Cupertino, Fremont, Los Gatos, Morgan Hill, Mountain View, Oakland, Redwood City, San Francisco, San Jose, Saratoga, and Santa Clara County
- **Non-Profit Organizations:** Bay Area Council Economic Institute (BACEI), California Energy Commission (CEC), California League of Conservation Voters (CLCV), Environmental Defense Fund (EDF), Joint Venture: Silicon Valley (JV), Silicon Valley Leadership Group (SVLG), and Sustainable Silicon Valley (SSV).
- **Cooperating Agencies:** Association of Bay Area Governments (ABAG), Bay Area Air Quality Management District (BAAQMD), Bay Conservation Development Commission (BCDC), Metropolitan Transportation Commission (MTC).

4. Private sector partners:

- Bank of America, Pacific Gas and Electric, Serious Materials, Silver Spring Networks, Cypress Ecosystems, Coulomb Technologies, Lockheed Martin Space Systems, Webcor, Better Place and Genentech.

5. What is the BACC focusing on?

Ten action areas with specific targets and timelines are identified in the Bay Area Climate Compact. They include:

1. Green Building & Solar Standards
2. Reducing vehicle miles traveled
3. Increasing Renewable Energy Use
4. Increasing energy efficiency
5. Training and placing the clean and green workforce
6. Water Conservation & Recycling
7. Climate Adaptation Planning
8. Regional Public Action Campaign
9. Solid Waste Recycling & Diversion
10. Regional Electric Vehicle Initiative

6. How many areas are currently active?

- **4, including:** Green Building (Area #1); Solar Standards (Area #1), Regional Public Action Campaign (Area #8), Electric Vehicle Initiative (Area #10)

7. How is the BACC partnering with other organizations?

An initial task of each working group is to identify complimentary efforts throughout the region. We then work closely with those groups engaged in the same space to identify how to effectively implement and coordinate work.

8. What are the benefits of joining the BACC?

Leveraging each partner's resources and unique strengths, the BACC accelerates action and speeds progress in reaching targets and timelines by enabling:

- Coordinating activities – Focusing effort via collaboration between partner organizations and institutions
- Maximizing limited resources – Improved fiscal resource use and staffing allocation and rapid identification, sharing and implementation of best practices.
- Economies of scale – Scaling solutions across the entire Bay Area.
- Sharing information – Improved data collection and knowledge exchange.
- Helping with funding – Improved access to climate change and related federal grants, public-private financing opportunities and future carbon revenues.
- Regional voice – In meeting with the state government in Sacramento and the Federal Government in Washington, we are more effective if we speak as a region.

9. Who can join the BACC?

Any organization, institution, and municipality may join by signing the BACC Charter.

10. What does it mean if my municipality signs on to the BACC?

The purpose of the BACC is to help the entire region to meet and exceed GHG reduction goals, and support the development of green jobs. The specific targets in the ten BACC action areas are for the cities of San Jose, San Francisco and Oakland. By signing on the Charter, other municipalities agree to work in partnership to achieve these goals, within the constraints of their available resources. The goals ONLY apply to San Jose, San Francisco and Oakland but it's understood that regional cooperation is key to success and the entire region will benefit.

11. What level of support is required of member organizations?

Organizations may participate at any level which they have the resources to do so, feel they can provide expertise for, or believe they will benefit from

12. What is the organizational structure of the BACC?

The BACC is governed by a Steering Committee, consisting of signatory members. The Steering Committee meets once each quarter. However, additional meetings can be called as needed. The Steering Committee helps coordinate activities of the working groups which identify key barriers and solution approaches.

13. How do the working groups function?

Under the overall guidance of the Steering Committee, the Working Groups are responsible for operationalizing each action area goal. Each working group is lead by two to three co-chairs. The co-chairs are selected from a municipality, academia, non-profit or industry. Groups typically meet once a month to review progress, identify strategies and next steps. Additional meetings are held as needed to reach action area targets and timelines. Working groups report progress at the BACC Steering Committee quarterly meetings.

14. How is the BACC staffed?

Partner organizations interested in one or more specific action areas provide a representative to the working groups. Working group members select their level of participation. The tasks completed by working group members compliments or is integrated into the participants regular work projects. The overall organization and project management support is provided by staff and volunteers from the Silicon Valley Leadership Group. However, as funds are raised, these responsibilities will be transferred to full-time BACC staff. Full-time staff hired by the BACC will provide the day-to-day coordination and facilitation required.

Bay Area Climate Collaborative



Global Challenge | Regional Response

The clean energy economy provides an unparalleled opportunity to build prosperity and safeguard our resources from the challenge of climate change. The Bay Area has a unique role to play making the local clean energy economy a reality. We believe we will stimulate our economy, while also laying the groundwork for a greener, more sustainable future for our region and beyond.

All across the region, leaders are innovating on everything from solar power, biofuels, electric and plug-in hybrid cars, fuel cells, energy-efficient computing and lighting, and sustainable building practices and materials. However, there is still much to be done to remove barriers and accelerate clean energy and sustainability.

In response to this opportunity, the Leadership Group and the mayors of San Francisco, San Jose and Oakland launched the Bay Area Climate Collaborative (BACC) to accelerate the clean energy market, enabling a healthy, safe and globally competitive Bay Area.



Vision

Our vision is to enable a healthy, safe and globally competitive Bay Area through common direction. Our coordinated efforts will be a model for regional action in California, the nation, and the world.



Action Areas

The initiative includes 10 key action areas, each with specific timelines and targets, which provide a roadmap forward to holistically build prosperity and address climate change across the region.

- *Green building / Solar* - Developing common standards
- *Transportation Alternatives* - Reducing vehicle miles traveled
- *Renewable Energy* - Increased renewable energy use
- *Energy Efficiency* - Existing buildings
- *Green Jobs* – Training and placing the clean and green workforce
- *Water Use* – Increasing water conservation and recycling
- *Adaptation* – Developing infrastructure climate adaptation plans
- *Public Information* - Regional public information campaign
- *Solid Waste* - Increasing recycling/diversion
- *Clean Cars* - Regional electric vehicle initiative



Unique Opportunity

Benefits of Participation

- Shape and **foster regional prosperity**, accelerate jobs, and safeguard resources
- **Support and insight** in emerging policy and technical areas
- **Improved funding** access and voice at regional, state and federal levels

Advance Clean Energy

The Bay Area Climate Collaborative offers a unique opportunity to be at the forefront of a regional public-private effort that is accelerating the clean energy market, addressing the challenge of climate change, and providing support for your objectives.

Participate at No Cost

Local governments can become involved **at no cost** by.

- Adopting a simple resolution
- Selecting action areas in which you wish to participate
- Assign a team lead for the appropriate working group

Participating municipalities include:

Major Sponsors

Bank of America



Champions

- Serious Materials
- SilverSpring Networks
- Cypress Envirosystems
- Coulomb Technologies
- Lockheed Martin
- Webcor
- Better Place
- Genentech

Government Partners



California Energy Commission



San Jose



San Francisco



Oakland

Cupertino
Fremont
Hayward
Los Altos Hills
Los Gatos
Morgan Hill
Mountain View
Oakland
Redwood City
Saratoga
San Francisco
San Jose
Santa Clara
Santa Clara County

Rafael Reyes, Director
Bay Area Climate Collaborative
rreyes@baclimate.org, 650-533-5553

J Logan

From: North, Karin [Karin.North@cityofpaloalto.org]
Sent: Tuesday, April 06, 2010 2:57 PM
To: environmental
Cc: J Logan; Larry Lind
Subject: Seeking your help with upcoming Wastewater Treatment Master Planning Process.
Follow Up Flag: Follow up
Due By: Monday, April 12, 2010 10:00 AM
Flag Status: Red
Attachments: Interested People.xls

Dear Los Altos Environmental Commission:

We are looking for environmentally minded residents in Los Altos. We seek your advice about reaching out to Los Altos stakeholders with respect to our upcoming Wastewater Treatment Master Planning Process. We are developing a list of contacts in your city who may want to be kept notified via email or attend meetings as our Master Planning unfolds. It will start shortly and take two years. Since your City is a Partner in the Palo Alto Regional Water Quality Control Plant we want to make sure that Los Altos residents, business people, and City Staff all have the opportunity to be as involved as they want to be.

We especially need contacts for residents who you know to be interested in water, wastewater, protecting the Bay, recycled water, organics management (biosolids, restaurant grease, food waste) and related topics. We would be very grateful if you could add names to the attached spreadsheet. Or, if it is easier, just scan in and forward any list you already have - just do whatever is easy.

We'll be emailing the people you provide and asking them if they want to:

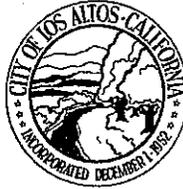
- 1) be on an email list to be kept apprised of the Wastewater Treatment Master Planning and get notices when key documents are added to the web page
- 2) take a tour of plant & learn more about it
- 3) attend an initial orientation meeting on the planning process and the goals

Thank you for helping us involve Los Altos stakeholders!

Regards,

Karin D. North
City of Palo Alto
650-494-7629

4/8/2010



MEMORANDUM

DATE: March 12, 2010
TO: City Commissions
FROM: James Walgren, Assistant City Manager
SUBJECT: **CAPITAL IMPROVEMENT PROGRAM**

RECOMMENDATION

Review the current Capital Improvement Program and recommend any new projects or any project priority changes the Commission feels may be warranted for City Council consideration.

DISCUSSION

The City of Los Altos implements a five-year Capital Improvement Program. The current 2009-2013 CIP will be updated and rolled-over into a 2010-2014 CIP document as part of the budget process for the next fiscal year beginning July 1, 2010. The City Council would like to receive input from the City Commissions on the CIP before making priority and scheduling decisions this spring.

Given the current fiscal constraints, the City's goal is to not add any new CIPs unless absolutely necessary. Commissions are primarily being asked to review existing CIPs and assess which ones need to be updated or moved to different years based on new information, and consider which projects may not be desired any longer and can be eliminated. There is currently a long list of "unscheduled" projects that have been deemed important but have not been funded yet, so any recommendations to add new projects will be looked at critically.

Please provide a written justification for any recommended changes. This can come from either the Chair or the staff liaison. The complete 2009-2013 CIP with project descriptions can be viewed on the home page of the City's website at www.ci.los-altos.ca.us.

Listed below are goals for the 2009-2010 Work Plan, subject to approval by the City Council.		
Environmental Commission 2009-2010 Goals - revised		Projects in support of goals
1	Work with staff to secure the best value in waste management services for Los Altos.	Participate in RFP process and provide support as appropriate.
2	Implement approved education and outreach programs to achieve waste source reduction for Los Altos.	a) Implement Water Conservation Measures as approved by City Council on June 9 and 23, 2009 b) Implement Sustainable Events education program as approved
3	Develop baselines and progress indicators for Los Altos usage of water, waste, energy, and greenhouse gases.	a) Review ICLEI results for municipal operations greenhouse gas inventory; provide support as necessary. b) Work with city staff and Cal Water to develop baseline and monitor usage of water
4	Greenhouse Gas Inventory for the Community	Investigate feasibility of accomplishing Greenhouse Gas Inventory for the community
	7-28-09	

2.08.120 Powers and duties of the environmental commission.

The commission shall have those powers and duties entrusted to it by the council from time to time, and shall submit an annual report to the council. The environmental commission studies and makes recommendations to council on issues that affect the natural and built environment in the city and the region. Additional duties include special projects as directed by the council.

(Ord. 08-326 § 2)

Environmental Commission Mission Statement – Council approved 6-9- 2009

The mission of the Los Altos Environmental Commission is to advise the City Council on issues related to environmental sustainability including:

- Evaluation and recommending policies and programs to make Los Altos an environmentally sustainable place to live and work;
- Providing information and education to the public regarding environmentally sustainable lifestyles

ITEM # 16

Environmental Commission Prioritization Worksheet

Criteria

- 1 **City Council / staff**
 Direction: Has the City Council or Los Altos staff asked us to look at this issue?
- 2 **Mission:** Does this fit within the [to be approved] mission of the Environmental Commission:
 - Advisors to City Council
 - Public Education & Outreach
- 3 **Impact:** Can the Environmental Commission have a meaningful impact on this issue?
- 4 **Government Interest:** Is there recent federal / state / county legislation, pending legislation or interest in the topic?
- 5 **Community Interest:** Is there evidence of resident / local business interest?
- 6 **Resources:** Does the Environmental Commission have access to the appropriate resources (staff, volunteer, financial) and expertise to be successful?

Active Projects	Criteria →					
	1 - Direction	2 - Mission	3 - Impact	4 - Govt Int	5 - Comm'y	6 - Req'd Resources
Water Conservation: Community Education & Outreach	H	H	M (13)	H (16)	H (20)	H (22)
Water Baseline: Work with staff and Cal Water to develop	H	H (4)	M (10)	H (18)	H (20)	M (21)
Waste Management RFP: Examination and Guidance	H (1)	H	H (9)	H (17)	H (20)	M (21)
Waste Baseline: work with staff and new vendor to develop	M (2)	H (4)	M (10)	H (17)	H (20)	M (21)
Municipal GHG Baseline: work with staff andICLEI to review	M (3)	H (4)	M (10)	H (17)	H (20)	M (21)
Community GHG Baseline: investigate feasibility, proceed as appropriate	L	H (4)	M (10)	H (17)	H (20)	M (21)
Potential Projects						
Re-useable Bags: Community Education & Outreach	H (1)	H	H (12)	H (16)	H (20)	H (22)
Sustainable Events: Organizer / Community Educ & Outreach	L	H	M (13)	H (17)	H (20)	M (21)
Recycling: Community Education & Outreach	L	H	L (14)	M (11)	H (20)	H (22)
Composting: Community Education & Outreach	L	H	L (14)	M (11)	H (20)	H (22)
Green Building Policies	L	M (6)	M (8)	H (17)	L	M (21)
Solar: Community Education / Coordinated Purchasing	L	M (5)	M (15)	L	M	H (22)
Green Business Certification: Work with staff for 1 case	L	M	L	L	L	M (21)
Sustainability Element to Gen Plan: work w Planning Comm'n	L	M	L	L	L	M (21)
Footnotes						
(1) Explicit request from City Council	(9) Impact on related to composting, recycling, and sustainable event	(17) AB939 (50% waste diversion) + follow-on; AB32 (emissions capped to 1990 levels, organic waste diversion)				
(2) Related to explicit CC request	(10) Potentially add Focus, Manpower	(18) California water rationing				
(3) Staff request	(11) Efforts already underway from Cal Water; less incremental impact	(19) County promoting fees, some cities banning plastic				
(4) Baselines required to monitor progress of any E&O effort	(12) No one else working on this; larger impact	(20) High community usage, LAVVA endorsing education & outreach				
(5) Education yes, coordinated purchasing questionable	(13) GTLA already working on this	(21) Commissioner Participation only				
(6) Purview of city staff and Planning Commission	(14) Much work will be done within the waste management contract	(22) Think modest program could be accomplished with volunteers and ~\$5-10K budget.				
(7) Purview of Bicycle and Pedestrian Committee, or public transit related	(15) Emerging issue.					
(8) Purview of city staff and Planning Commission	(16) Large, long term problem; commission unlikely to resolve					