



MEETING DATE: 6/18/07
STUDY SESSION

COUNCIL AGENDA REPORT

DATE: June 14, 2007
TO: MAYOR AND TOWN COUNCIL
FROM: DEBRA J. FIGONE, TOWN MANAGER 
SUBJECT: INFORMATIONAL REPORT ON "GREEN" INITIATIVES RELATED TO CLIMATE PROTECTION/GREENHOUSE GAS EMISSIONS AND DIRECTION ON RECOMMENDATIONS IN STAFF REPORT

RECOMMENDATIONS:

1. Accept this informational report on the Town's ongoing climate protection activities.
2. Hold a discussion of Council goals and priorities in the area of climate protection activities, and provide direction to staff.
3. Consider recommended actions for future Town climate protection activities, including:
 - A. Direct staff to return to Council by December 2007 with recommendations regarding a greenhouse gas emissions inventory, reduction goals, and a reduction plan.
 - B. Direct staff to work with regional climate protection agencies, including but not limited to Joint Venture: Silicon Valley, to determine the best approach for development of a regional greenhouse gas reduction plan.
 - C. Considering designation of an advisory body on climate protection activities.
 - D. Direct staff to incorporate climate protection policies and goals in the upcoming General Plan review process.
 - E. Provide direction to staff regarding the U.S. Mayors' Climate Protection Agreement.

BACKGROUND:

One part of what makes Los Gatos such a special place is its unique physical environment. Los Gatos residents share a common vision of a culture that is environmentally sensitive. The Town

PREPARED BY: Regina A. Falkner
Community Services Director 

Reviewed by: PS Assistant Town Manager AK Town Attorney
_____ Clerk Administrator _____ Finance _____ Community Development

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organization has a long history of environmental protection, including resource conservation and pollution prevention. Most recently Council communicated its environmental focus in the Town's Strategic Goals for FY 2007/08, which include the following:

- Preserve and enhance the appearance, character, and environmental quality of the community

This focus is echoed in the General Plan 2000 Conservation Element, which promotes the sustainability of resources, and recognizes that conservation issues are often regional in scope.

A summary of the Town's accomplishments in the area of Environmental Protection Efforts is Attachment 1. A highlight is the recent certification of the Town organization as a Green Business through the Santa Clara County Green Business Program. To be certified "green," an organization must be in compliance with environmental regulations and meet program standards for conserving resources, preventing pollution, and minimizing waste. A copy of the March 29 presentation to Council regarding the Town's certification as a Green Business is Attachment 2.

DISCUSSION:

Recently there has been increased international, national, regional, and local focus on and pressure to "do more" in the area of environmental protection, particularly climate protection and greenhouse gas (GHG) emission reduction. Attachment 3 is a matrix, developed by the Santa Clara County Cities Association, of many of these green programs.

Staff recommends taking a deliberate approach to involvement with climate protection efforts. It can be difficult, with new invitations to participate in programs arriving almost daily, to step back and assess the issue from a "big picture" perspective. Council may wish to use this study session as an opportunity to consider all of its options in order to choose those that allow for real change in the area of climate protection, that meet the values and goals of Los Gatos, and that may be accomplished within the desired resource allocation. Climate protection is not an issue over which the Town has total control, but it appears that the Town can play an important role.

Town Role

One of the key points of discussion for Council may be the desired role of the Town organization. For example, should it address its own organizational GHG emissions, or those of the community? Following is a framework that staff has used in its analysis of how the Town might move forward:

- Model environmental protection through corporate policies, practices, and technologies; and encourage other organizations to do the same.
- Encourage sustainable construction practices through building, land use, and related policies.

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- Participate in regional efforts aimed at educating residents about green practices.
- Participate in regional climate protection efforts, with the goal of reducing GHG emissions on a regional level.

In this report, the corporate modeling of environmental protection will be discussed first, including land use issues, followed by the Town's participation in regional educational and climate protection efforts.

Internal Climate Protection Efforts

As noted earlier, the Town organization has a long history of environmental protection, including resource conservation and pollution prevention. Staff envisions that the Town will continue its efforts in this arena. Some of the continuing programs will include:

- Keep Los Gatos Beautiful
- Safe Routes to School
- Santa Clara County Green Business Program
- Cool Commutes (ABAG)
- Energy conservation efforts

Some opportunities that staff will be analyzing for their potential environmental impact include:

- Purchase of hybrid vehicles
- Installation of solar power at Town facilities
- GHG inventory, through the Joint Venture Climate Protection Task Force
- Compliance with AB32, California Global Warming Solutions Act of 2006
- Expansion of climate protection language in the General Plan review
- Review of best practices in planning, building, and construction
- Use of data and other resources available through the California Communities Climate Action Program of the Institute for Local Government

The Town's "green" efforts will be coordinated through a recently-formed interdepartmental team, facilitated by the Community Services Department and including members from the Community Development and Parks and Public Works Departments.

Several local municipalities have formed volunteer citizen groups, often called "Green Ribbon Committees," as an advisory body to their Council on the climate protection issue. If, after discussion, Council wishes to designate such an advisory body, staff suggests that Council choose an existing Town Board or Commission as its Green Ribbon Committee. Board and Commission members are a cross-section of the community and include local residents, business owners, and students. Council could set its goals and expectations for the advisory body, which might include:

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- monitoring the Town's internal climate protection efforts
- monitoring the efforts of the Joint Venture Climate Protection Task Force
- investigating new climate protection opportunities
- providing regular reports to the Town Council

Choosing an existing Board or Commission would be beneficial because its membership would already be in place and ready to begin work, it would already have regular public meetings scheduled, and it would allow volunteers who have already shown a great interest in their community to expand their involvement to the area of climate protection. In addition, it would not create an additional administrative burden on staff. Interested community members could participate through a subcommittee of the Board or Commission. The Community Services Commission has expressed an interest in serving if the Council so desires.

GHG Emissions Inventory, Reduction Goals, and Reduction Plan

One characteristic that many of the myriad of climate protection programs share is that they begin with taking an inventory, move to developing goals, and result in a plan to meet those goals. The differences appear in the specifics, such as the measurements used for the inventory and how the inventory is conducted, whether the goals are numerical or qualitative, and how the plan may be applied to any one member agency. Staff believes that the most strategic move for the Town will be to find the most comprehensive program in which to participate, one that will allow for the most amount of action with the least amount of administration.

Joint Venture: Silicon Valley Network was established in 1993 to provide analysis and action on issues affecting the region's economy and quality of life. Its members include leaders from business, government, academia, labor, and the broader community. It has recently established the Joint Venture Climate Protection Task Force, a regional program to help local government agencies address the challenges of climate protection. The Task Force's Charter Statement is Attachment 5. To date, 24 cities, counties, and special districts in the Silicon Valley region have agreed to work together through the Joint Venture Climate Protection Task Force.

The mission of the Task Force is to provide a way for participating agencies to work together on the host of initiatives aimed at the common goal of addressing the climate protection challenge. Members have decided that the first work of the Task Force will include conducting an emissions inventory to determine each agency's carbon footprint, developing ways to track and reduce this footprint on an annual basis, forming a buying consortium to aggregate demand and acquire carbon reduction technologies at the best possible price, conducting education and outreach campaigns, and conducting pilot projects to develop and test products that will reduce GHG emissions.

From staff's perspective, the benefit of the Task Force is that it allows local municipalities to work collaboratively on climate protection strategies, sharing staff and financial resources. The inventory, goals, and plan for each member agency will be standardized, reducing the amount of

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resources required from any one agency while boosting the effect of the program. The membership includes key leaders from local municipalities, utilities, and private enterprise; as well as representatives from green initiatives such as Sustainable Silicon Valley and the International Council for Local Environmental Initiatives (ICLEI). It is also the hope of staff that this group, as a cohesive voice for local climate protection efforts, will be able to work with state regulators as they develop new programs, such as those resulting from AB32.

The Board of Directors of the Santa Clara County Cities Association has recently accepted a series of five action steps in relation to climate protection; participation in the Joint Venture Climate Protection Task Force is in keeping with these steps.

AB32: California Global Warming Solutions Act of 2006

AB32, the California Global Warming Solutions Act of 2006, has already been alluded to more than once in this report. Though the Act itself has already been adopted by the State of California, regulations for its implementation have yet to be developed. It remains an unknown quantity, with potentially great impact to municipalities, particularly with respect to GHG emission reduction goals. Its key provisions include:

- Establishing a statewide GHG emission cap for 2020, based on 1990 emissions
- Adopting mandatory reporting rules for "significant sources" of GHG emissions

The California Air Resources Board is the state agency responsible for monitoring and regulating GHG emission sources under AB32, and the regulations for its implementation will be developed through the Board's rule-making process.

U.S. Mayors' Climate Protection Agreement

One of the most frequently cited climate protection efforts is the Climate Protection Agreement developed by the U.S. Conference of Mayors (Attachment 6). The Agreement is based on the Kyoto Protocol, an international agreement that went into effect in February 2005. The Kyoto Protocol includes GHG emission reduction goals for each country; the goal for the U.S. is 7% below 1990 levels by 2012.

Agencies that agree to sign the U.S. Mayors' Climate Protection Agreement agree to the following:

- To urge the federal and state governments to enact legislation that includes the GHG emission reduction goal set by the Kyoto Protocol.
- To urge the U.S. Congress to pass GHG reduction legislation that includes clear goals and timetables, and that includes a market-based system of tradable allowances among emitting industries.

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- To strive to meet or exceed the GHG emission reduction goal set by the Kyoto Protocol in their own communities. A list of potential ways to meet the goal is included.

One of the issues around this Agreement is that its GHG emission reduction goal may differ from that set by the California Air Resources Board as it develops regulations pursuant to AB32. In addition, the actions listed as potential ways for agencies to meet the reduction goal may commit future resources of those agencies in ways that are not yet fully recognized. Should Council wish to consider accepting the invitation to endorse this Agreement, it may wish to also consider the following options:

- A. Direct staff to return the Climate Protection Agreement as an action item at the next Council meeting.
- B. Direct staff to make amendments to the language of the Climate Protection Agreement regarding the GHG emission reduction goal, and/or the actions that may be taken in order to meet that goal.
- C. Direct staff to return the Climate Protection Agreement as an action item at a future Council meeting, after the Joint Venture Climate Protection Task Force emission inventory is completed, and/or more information is available about AB32 GHG emission reduction targets.

Some cities, including the City of Redwood City, have taken the option of amending the language of the Agreement before endorsing it, in order to allow more flexibility on the part of the municipality as more information becomes available and as new regulations are developed. Staff believes that it may be advisable to gather more data before committing to a GHG emission reduction target. The Joint Venture Climate Protection Task Force emission inventory will provide the Town with information on its current emission level, which would be key to any discussion of future emission reductions. And, the Town will participate in the development of AB32 regulations, through the Joint Venture Climate Protection Task Force.

Resources

The amount of staff and fiscal resources needed to implement any Town climate protection efforts will vary greatly depending on the type and number of these efforts. For example, continuing the Town's current successful efforts is possible with staff and resources as allocated in the FY 2007/08 Operating Budget. At this time, however, no resources are earmarked for any new climate protection efforts. Once any operating costs are determined, staff would return to Council with that information. Similarly, should any capital projects be contemplated, those costs would be addressed through the Capital Improvement Program process. Some potential cost items are:

- Joint Venture Climate Protection Task Force emissions inventory

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- Purchase of hybrid vehicles
- Building modifications, such as installation of solar power at Town facilities
- Consultant fees for development of implementation plan

CONCLUSION:

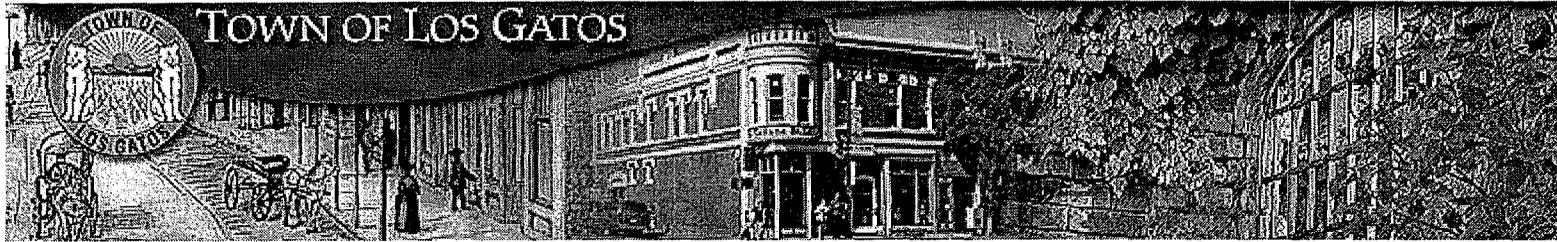
In summary, the Town is well-positioned to continue its tradition of environmental protection and to meet the new challenge of climate protection. There will be a need to balance the pressures on local municipalities to join the growing ranks of green programs with the Town's role of developing a thoughtful, strategic, and effective plan that allows for real change, meets the values and goals of the community, and works within available resources. Staff will continue to emphasize the benefits of working within a regional collaborative such as the Joint Venture Climate Protection Task Force.

Attachments:

1. "Environmental Protection Efforts" web page
2. Memorandum of March 29, 2007 regarding Green Business Certification
3. Santa Clara County Cities Association matrix of green programs
4. Joint Venture Climate Protection Task Force Charter Statement
5. U.S. Mayors' Climate Protection Agreement

Distribution (via email):

Community Services Commission members
Susan Baugh, Siemens
Joanne Benjamin, Santa Clara County Cities Association
Tom Carson, Los Gatos resident
Seth Fearey, Joint Venture: Silicon Valley Network
Connie Kirby, Los Gatos resident
Rob Rennie, Sierra Club Cool Cities Team
Sally Tomlinson, Sustainable Silicon Valley



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Environmental Protection Efforts

One part of what makes Los Gatos such a special place is its unique physical environment. It is nestled at the base of the Sierra Azules in the southwestern portion of Santa Clara County, where the Santa Clara Valley meets the lower slopes of the Santa Cruz Mountains. Los Gatos encompasses a wide variety of terrain, ranging from flat topography at the edge of the valley floor to densely wooded hillsides. Both the valley and hillsides are interspersed with creeks, streams, and riparian habitat.

While local residents may disagree over the solutions to specific issues related to the environment, they share a common vision of a culture that is environmentally sensitive. The Town organization takes seriously its task of community stewardship, which includes resource conservation and pollution prevention. For example, it has been certified as a Green Business through the Santa Clara County [Green Business Program](#). To be certified "green," an organization must be in compliance with all regulations and meet program standards for conserving resources, preventing pollution, and minimizing waste.

Following is an outline of some of the many other programs and accomplishments of the Town in the environmental arena:

ENERGY

The Town is a member of the Silicon Valley Energy Program, a joint project of Pacific Gas and Electric Company (PG&E) and the City of San José. With the twin goals of saving energy and saving money, this program offers rebates, classes, energy audits, and technical assistance to businesses and city organizations.

All of the red and green traffic lights in town, and the majority of pedestrian signals and yellow traffic lights, use light emitting diodes (LEDs) instead of traditional incandescent lights. LEDs use about 10% to 20% of the energy of an incandescent bulb, reducing energy costs - and last about five times as long, reducing replacement costs.

As street light fixtures are upgraded and replaced, the old bulbs are replaced with high pressure sodium lamps. According to the U.S. Department of Energy, high pressure sodium lamps are very efficient,

NOTIFY ME

ATTACHMENT 1



providing 50 to 140 lumens per watt, and have a lifetime of between 16,000 and 24,000 hours on average.

The Civic Center's HVAC system, upgraded in 2006, incorporates state-of-the-art technology, including variable frequency drives for the electric motors, which reduce energy consumption.

BUILDING AND DEVELOPMENT

The Town's Hillside Development Standards and Guidelines, adopted in 2004, contain voluntary green building standards for new construction. These standards include the following goals:

- Siting and design of a structure should take maximum advantage of passive solar heating, natural cooling, and natural light.
- Landscaping should be used to control exposure to sun and wind.
- Building materials selected should reduce the consumption of natural resources and be non-toxic. This includes the use of salvaged or reused building materials.

Solar heat, as an alternative energy source, is encouraged by Town development regulations. For example, for about 20 years the Town has required that all new homes be pre-plumbed for solar water heaters and that solar be used as the primary means of heating swimming pools. To date, the Town has approved more than 1,000 solar panel systems on residential and commercial structures.

WATER

The Water Efficiency Landscape Ordinance was adopted by the Town Council in 1992 to promote conservation and efficient use of water. All new commercial developments and residential developments of five or more units are subject to this ordinance, which requires developers to calculate the water allowance permitted for the site and estimated water usage. The ordinance encourages the use of recycled water irrigation.

In partnership with the West Valley Clean Water Program, the Town sponsored a recycling event at which any West Valley resident, business, or school could drop off old televisions, computer monitors, and laptop computers. These appliances can leach toxic metals, such as lead, mercury, and copper, into our local waterways.

EARTH

April is Keep Los Gatos Beautiful Month. Each April, the Town sponsors a series of events and programs to celebrate National Earth Day, National Arbor Day, and National Volunteer Recognition Week, all of which occur during the month of April. Past events have included a mercury thermometer exchange, tree plantings, and the Bicycle Rewards Program.

Through the Adopt-a-Planter program, residents or businesses may "adopt" one of the 28 raised planting beds located along North Santa Cruz Avenue in the downtown. Planter "adopters" are responsible for purchasing, planting, and maintaining plant materials in their planter. The program adds greatly to the beauty and charm of downtown Los Gatos, and is a way for members of the community to connect to their natural environment.

In Fiscal Year 2006/07, the Town reached a milestone by receiving the distinguished Tree City USA award for the 27th consecutive year. The Tree City USA award is conferred by the National Arbor Day Foundation, in cooperation with the National Association of State Foresters and the U.S. Forest Service. In order to receive the award, a community must have the following: a tree board or department, a tree care ordinance, a comprehensive community forestry program, and an Arbor Day observance.

WASTE

The Town Code requires developers to provide an opportunity for the public to salvage building materials from demolished structures. Developers must advertise in a newspaper when the structure is available for salvaging. All wood, metal, glass, and aluminum materials generated from a demolished structure must be recycled.

Through the Santa Clara County Household Hazardous Waste Program, Los Gatos residents can dispose of their household hazardous wastes for free. In FY 2005/06, 934 Los Gatos households participated in the program. The Town provides funds to the program on an annual basis to ensure that all Los Gatans who wish to may participate.

Los Gatos has maintained compliance with the state's solid waste diversion requirements, also known as AB939, and has had its diversion rate certified each year by the California Integrated Waste Management Board. In 2004, the most recent year to be certified by the Board, Los Gatos diverted 56% of its solid waste from landfill disposal.

AIR

Town Ordinance No. 1905, the Wood Burning Ordinance, restricts the sale and use of fireplaces and other wood-burning appliances that do not meet federal Environmental Protection Agency (EPA) standards. According to the EPA, residential wood burning contributes significantly to particulate air pollution.

As of the fall of 2006, all of the Town's heavy-duty diesel-fueled trucks and equipment, including street sweepers and dump trucks, run on biodiesel. Biodiesel is a renewable fuel; in the United States, most biodiesel is made from soybean oil, though canola oil, sunflower oil, recycled cooking oil, and animal fats are also used. According to the U.S. EPA, switching an existing vehicle fleet to biodiesel reduces emissions of carbon monoxide, particulate matter, sulfates, hydrocarbons, and air toxics.

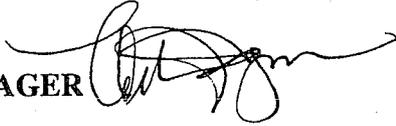
The Town, in partnership with the Bay Area Air Quality Management District and the Santa Clara Valley Transportation Authority, helps to reduce auto emissions by participating in the Bicycle Rewards Program. The program rewards residents for replacing car trips with bicycle trips, with gift certificates for public transit passes and bicycle equipment.

Town street sweeping equipment is certified compliant with Rule 1186 requirements for PM₁₀-efficient sweepers. This certification ensures that the street sweepers will pick up particulate matter with a diameter of 10 microns or less from the roadway; the goal is to reduce contribution to particulate air pollution. The standard was established for Southern California municipalities, and has not yet been required of Bay Area communities, but the Town has voluntarily adopted this more stringent standard.

MEETING DATE: 4/2/07
ITEM NO: Presentation



MEMORANDUM

To: MAYOR AND TOWN COUNCIL
From: DEBRA J. FIGONE, TOWN MANAGER 
Subject: GREEN BUSINESS CERTIFICATION
Date: March 29, 2007

The Town applied for and received certification as a "Green Business" and thereby joins four other cities in the County which have received this award.

The Bay Area Green Business Program was developed by Bay Area local governments in collaboration with United States Environmental Protection Agency (EPA), California EPA Department of Toxic Substances Control, and the business community. The Association of Bay Area Governments coordinates the Program, which is implemented by Green Business Coordinators in seven participating counties.

The Bay Area Green Business Program is a successful partnership of environmental agencies and utilities that assists, recognizes and promotes businesses and government agencies that volunteer to operate in a more environmentally responsible way. To be certified "green," the Town was required to demonstrate its compliance with environmental regulations and meet program standards in the areas of Solid Waste Reduction and Recycling, Energy Conservation, Water Conservation, and Pollution Prevention.

Through our participation in the Program, the Town has committed to meeting the following objectives:

- To comply with all applicable environmental regulations and strive to exceed compliance.
- To conserve energy, water and other natural resources.
- To develop and implement practices that prevent pollution and waste.
- To be an environmentally responsible business within our community.

To maintain our status as a Green Business, the Town must:

- Track rates of water and energy use, and solid and hazardous waste generation.
- Provide ongoing incentives or training opportunities to encourage employee participation the Green Business Program.
- Market the Program and our certification.
- Apply for recertification every three years.

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Program. The program rewards residents for replacing car trips with bicycle trips, with gift certificates for public transit passes and bicycle equipment.

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For More Information

Click [here](#) to search the Resource Directory for Environmental Services resources.

Program/Sponsoring Agency	Emissions Reduction Goal/Fixed Target for Emissions Reduction	Monitoring Assistance	Reporting Required	Tools to Create an Action or Implementation Plan	Fee/Cost	Consultant or additional staff needed	Public Recognition	Technical Assistance Provided
Sustainable Silicon Valley Nonprofit sponsored by the California Environmental Protection Agency, the Silicon Valley Leadership Group, and the Silicon Valley Environmental Partnership	Participants set own goals and report annually. No fixed target	No, but can enter data in web-based tool (free) each year; Provides education forums, workshops, and grants	Report annually, flexibility built into base year (any year after 1989). Can use footprint info from ICLEI, CA Climate Registry, World Business Council on Sustainable Development/World Resources Institute's The Greenhouse Gas Protocol	Not Directly – A Simple reporting tool on energy use by city-owned facilities, fleets, employee commutes	Annual Fee \$1,000	City of Sunnyvale estimates a one time consultant at \$15,000 and annual operating Labor Cost of \$6,800; City of Mountain View estimates a consultant to establish City's baseline at \$30,000	Yes-on website and in annual report	None
ICLEI – Cities for Climate Protection	Participants set own goal and pass a resolution stating that goal. No fixed target	Access to software that allows ongoing monitoring. Software computes emissions numbers as well as co-benefits such as cost savings and criteria air pollution prevention.	Participants use proprietary software to calculate and report emissions.	Toolkit for creating an action plan provided; Provides inventory & policy assistance	Annual Fee \$1,200		Yes – on website and public relations efforts	Technical assistance on creating an inventory of emissions; Provides software assistance
California Action Climate Registry	Encourages voluntary actions to increase energy efficiency and decrease GHG emissions. Can use any	No but can enter data in web-based tool, CARROT, each year. CARROT calculates GHG emissions and a General Protocol which gives guidance on how	Inventory includes direct emissions from vehicles, onsite combustion, fugitive and process emissions and indirect emissions from electricity. Must certify your inventory. Must report Green House Gas emissions	Not Directly	Annual Fee – sliding scale \$400 - \$4,000 depending on budget size	Must pay an approved third-party consultant to certify reported baseline emissions	Yes – on website. Participants can use the "Climate Action Leader" logo on publications & website	Personalized training on CARROT

Program/Sponsoring Agency	Emissions Reduction Goal/Fixed Target for Emissions Reduction	Monitoring Assistance	Reporting Required	Tools to Create an Action or Implementation Plan	Fee/Cost	Consultant or additional staff needed	Public Recognition	Technical Assistance Provided
	year from 1990. No fixed target.	to inventory GHG emissions: what to measure, how to measure, the back-up data required, and certification requirements	to the state. Requires inclusion of all direct GHG emissions along with indirect GHG emissions from electricity use. Requires reporting of only CO ₂ emissions for 1 st 3 years and also CH ₄ , N ₂ O, HFCs, PFCs, and SF ₆ in additional years					
U.S. Mayors Climate Protection Agreement	Strive to meet/beat Kyoto Protocol targets in their own communities through actions ranging from anti-sprawl land use policies to urban forest restoration projects to public information campaigns	None	None	None	None	None		None
Cool Mayors for Climate Protection	Commitment to reduce GHG emissions either through		None – a collaboration among 4 organizations (US Conf. Of Mayors, ICLEI, City of Seattle, and the Sundance Preserve – committed	Cities for Climate Protection (CCP) provides a blueprint for any city to	No fee to sign on as a Cool Mayor. Must join ICLEI to		Yes – on website	

Program/Sponsoring Agency	Emissions Reduction Goal/Fixed Target for Emissions Reduction	Monitoring Assistance	Reporting Required	Tools to Create an Action or Implementation Plan	Fee/Cost	Consultant or additional staff needed	Public Recognition	Technical Assistance Provided
	ICLEI's Cities for Climate Protection Campaign (CCP) or The US Mayors Climate Protection Agreement		to reducing GHG emissions	follow to implement profitable solutions and reduce emissions. CCP is ICLEI's flagship program and has been designated as the official implementation mechanism for cities that are signatories to the US Mayors Climate Protection Agreement.	use software.			
ABAG/PG&E Energy Watch Partnerships – Partnerships with cities, counties, other agencies, and PG&E	Designed to help local governments implement cost-effective, energy saving projects in public facilities.	Project Team & Consultants include Energy Solutions, Cogent Energy, Inc., HDR/Brown, Vence & Associates, Lighting Wizards, Climate Protection Campaign, Local Government Commission, Green Purchasing Institute	None		Available to cities, counties and special districts that pay Public Purpose Program charges (Public Goods Charge) and are PG&E customers are eligible to		On website	Provides technical assistance and information services to assist cities, counties, and special districts with implementation of energy efficiency projects in public facilities and development of energy efficiency

Program/Sponsoring Agency	Emissions Reduction Goal/Fixed Target for Emissions Reduction	Monitoring Assistance	Reporting Required	Tools to Create an Action or Implementation Plan	Fee/Cost	Consultant or additional staff needed	Public Recognition	Technical Assistance Provided
					participate. Program services and benefits are offered on a first-come, first-served basis until the program deadline or until program funds are spent, whichever comes first.			policies within their communities.
ABAG Green Business Program – a partnership of environmental agencies, professional associations, waste management agencies, public utilities, & the public	To be certified "green," participants must be in compliance with all regulations and meet program standards for conserving resources, preventing pollution	A voluntary environmental program that encourages businesses not only to comply with regulations but to go beyond them			None		Certified green businesses and public agencies may display the Green Business logo on their premises and in their advertising.	

Program/Sponsoring Agency	Emissions Reduction Goal/Fixed Target for Emissions Reduction	Monitoring Assistance	Reporting Required	Tools to Create an Action or Implementation Plan	Fee/Cost	Consultant or additional staff needed	Public Recognition	Technical Assistance Provided
	and minimizing waste.							
Silicon Valley Leadership Group	Projects & Initiatives include: Cool Commutes; Green Building; Cycle to Work; Plug In Electric Vehicles; Solar Industry; Efficient Data Centers; BART; High Speed Rail; Cutting Edge Products; Supply Chain Efficiency; Sustainable Silicon Valley; Energy Watch Partnership	Sponsoring in June - Energy Summit and Green Building Policy Workshop;					Yes	
Joint Venture Silicon Valley	Climate Protection Initiative – provide a	Formed a Climate Change Task Force to: Identify tools for					Yes	

Program/Sponsoring Agency	Emissions Reduction Goal/Fixed Target for Emissions Reduction	Monitoring Assistance	Reporting Required	Tools to Create an Action or Implementation Plan	Fee/Cost	Consultant or additional staff needed	Public Recognition	Technical Assistance Provided
	purchasing pool & arrange for favorable financing terms;	conducting greenhouse gas emission inventories; Identify promising technologies, test them and share results; Identify financing solutions; Form a purchasing authority and issue Requests for Proposals; Track and report progress on reducing emissions						
BAAQMD Climate Protection Program	\$3 million grant program for climate protection activities in Bay Area. Call for projects in fall 2007.	Plans to provide emission data by local jurisdiction within the next 6 months						
PG&E ClimateSmart Program	Reduces 100% of GHG emissions for energy use (both electricity	Not needed by enrolled customer. Program independently verified and audited.	Not required of enrolled participants. Information will be made available to cities at no cost to show impact of energy use and reductions of GHG	ClimateSmart is available as individual program or in combination with other measures a city	Monthly cost is \$0.00254 per kilowatt-hour (for electricity)	No. All administration for ClimateSmart is done by PG&E.	Currently being developed.	PG&E staff available to assist cities. Enrollment in ClimateSmart is not expected to result in

Program/Sponsoring Agency	Emissions Reduction Goal/Fixed Target for Emissions Reduction	Monitoring Assistance	Reporting Required	Tools to Create an Action or Implementation Plan	Fee/Cost	Consultant or additional staff needed	Public Recognition	Technical Assistance Provided
	and natural gas) through California Climate Registry offset protocols.		emissions.	chooses to implement. PG&E staff are available to develop package of services for cities to consider.	and \$0.06528 per therm (for natural gas).			much of a need for technical assistance.

Memorandum

TO: Silicon Valley Climate Protection Task Force

FROM: Seth Fearey, Joint Venture: Silicon Valley Network

DATE: May 17, 2007

SUBJECT: CHARTER STATEMENT FOR THE JOINT VENTURE CLIMATE PROTECTION TASK FORCE

The following is a revised charter statement for the Climate Protection Task Force. This version reflects the changes to the charter and membership that were discussed at the first meeting of the Task Force on May 10th.

This document is still a work in progress and is likely to be modified at future meetings.

Name

Joint Venture Climate Protection Task Force

Charter

To develop effective, collaborative, solutions for the reduction of greenhouse gas emissions from public agency operations by providing a neutral forum for city and county government agencies and special districts to learn from each other and from others about climate protection programs.

Proposed Goals

1. Accelerate the reduction of greenhouse gas emissions by public agencies.
2. Use demand aggregation to conserve scarce public resources.
3. Encourage and support the growth of the clean technology industry.
4. Provide leadership for the community and the world.

Benefits of Membership

1. Opportunities to learn from similar organizations about their experiences with solutions.
2. Opportunities to meet with public and private sector experts on climate protection solutions.

3. Opportunities to meet with solution providers in a neutral setting.
4. Access to financial, engineering, and environmental analyses of solutions.
5. Access to financing mechanisms that address the special needs of public agencies.
6. Briefings on climate protection legislation and regulations that affect public agencies.
7. Opportunities to shape and participate in pilot projects to test solutions.
8. Cost sharing for consultants, studies, materials, communications, and events.
9. Cost sharing for the development of Requests for Proposal.
10. Opportunities to participate in procurements that aggregate demand and result in lower costs and greater choice of providers.

Proposed Membership - This section needs additional development

The Climate Protection Task Force is a public-private partnership. Companies and non-profit organizations that meet the criteria below may join the organization but will not be able to participate in procurements.

1. Staff members of local government agencies, including special districts, in the Silicon Valley region.
2. Corporations with innovative solutions.
3. Supporting service organizations.

All members must have a significant presence in the Silicon Valley region. Silicon Valley is generally defined as all of Santa Clara County, most of San Mateo County, cities in the southern portion of Alameda County, and cities in Santa Cruz County along Highway 17, including the City of Santa Cruz.

Funding

Initially there will be no funding requirement for membership in the task force. Staff and meeting support will be provided by Joint Venture: Silicon Valley Network from program incubation funds.

The costs of individual projects will be shared by the members. If, for example, the task force decides to hire a consultant to evaluate a technology, the consultant's fee and related costs will be raised from the organizations that benefit from the analysis. Funds can come from both the public and private sectors, but they may not create the potential for a conflict of interest.

If the task force decides that it needs additional resources for its operations, the members will decide how much is needed and how to raise the funds.

Supporting Organizations and Roles

Joint Venture: Silicon Valley Network. Established in 1993, Joint Venture provides analysis and action on issues affecting our region's economy and quality of life. The organization brings together established and emerging leaders - from business, government, academia, labor and the broader community - to spotlight issues and work toward innovative solutions.

Joint Venture publishes the annual “Index of Silicon Valley” and helps teams of civic entrepreneurs develop and lead action-oriented projects that improve the economy and quality of life in the region.

Joint Venture provides staff support to the Task Force.

Strategy

1. Work together to identify and evaluate technologies that reduce greenhouse gas emissions from operations.
2. Share expertise and lessons learned.
3. Pilot new solutions and share results.
4. Form a procurement pool.
5. Set goals; track and report progress.

Initial Workplan

1. Conduct inventories
2. Develop a regional vision for climate protection in public sector operations; set regional goals
3. Identify opportunities to reduce emissions
4. Coordinate with other climate protection organizations
5. Organize educational programs for members
6. Contribute to public policy discussions at the regional and state level.
7. Analyze solutions
8. Form a procurement pool; issue RFP's
9. Identify and leverage funding opportunities
10. Pilot solutions, share experiences
11. Track and report progress toward goals

Several of the above activities can be performed in parallel.

Participants in First Meeting on May 10, 2007

	Name	Title
San Mateo County	Peggy Jensen	Deputy County Manager
San Mateo County	Kim Springer	Resource Conservation Programs Mgr.
San Mateo County	Doug Koenig	Deputy Director of Public Works
Belmont	Adam Politzer	Parks & Recreation Director
Belmont - backup	Thomas Fil	Director of Finance
Brisbane	Fred Smith	Assistant to the City Manager
Burlingame	Phil Scott	Public Works Superintendent
Burlingame - backup	Gordon Grottsche	
Daly City	Joseph Curran	
Daly City - backup	Howard Lee	
Foster City	Kristi Chappelle	Assistant City Manager
Hillsborough	Kathy Leroux	Assistant City Manager
Menlo Park	Ruben Niño	Assistant Public Works Director
Millbrae	Shelly Reider	City Environmental Officer
Redwood City	Magda Gonzalez	Deputy City Manager
San Carlos	Brian Moura	Deputy City Manager
San Mateo	Susan Loftus	Deputy City Manager
South San Francisco	Marty Van Duyn	Assistant City Manager
Santa Clara County	Caroline Judy	Mgr, Intragovernmental Support Services
Cupertino	Ralph Qualls	Public Works Director
Los Gatos	Regina Falkner	Community Services Director
Morgan Hill	Tony Eulo	Environmental Programs
Mountain View	Cathy Lazarus	Public Works Director
Mountain View Backup	Kevin Woodhouse	Assistant to the City Manager
Palo Alto	Glenn Roberts	Director of Public Works
Palo Alto	Emily Harrison	Assistant City Manager
Palo Alto	Bern Beecham	Council Member
San Jose	John Stufflebean	Dir. Of Environmental Services
San Jose Backup	Mary Tucker	
Santa Clara	Larry Owens	Silicon Valley Power
Sunnyvale	Coryn Campbell	Assistant to the City Manager
Alameda County		
Newark	Susie Cullen	Maintenance Superintendent
Fremont	Dan Schoenholz	Policy and Special Projects Manager
Santa Cruz County		
Santa Cruz	Martin Bernal	Assistant City Manager
Santa Cruz	Mary Arman	PW operations manager - Resource Recovery
Industry		
Pacific Gas & Electric	Darren Deffner	

Pacific Gas & Electric	Sara Birmingham	Solar Program
Pacific Gas & Electric	Marvin Nuslat?	
SunPower	Bobby Ram	
Santa Clara Valley Water District	Jim Crowley	Engineering Unit Manager
Advisors		
EcoAdvantage	Gina Blus	Consultant
ICLEI	Garrett Fitzgerald	Director of Programs
Bay Area Air Quality Management District	Abby Young	
Bay Area Air Quality Management District	Ana Sandoval	Principal Environmental Planner
Bay Area Air Quality Management District	David Vintze	
South Bayside Waste Management Authority	Heidi Melander	
Sustainable Silicon Valley	Sally Tomlinson	Executive Director
CA League of Cities, Peninsula	Rebecca Elliot	Regional Public Affairs Manager
Local Government Services	Kathleen Gallagher	consultant

ENDORISING THE U.S. MAYORS CLIMATE PROTECTION AGREEMENT

WHEREAS, the U.S. Conference of Mayors has previously adopted strong policy resolutions calling for cities, communities and the federal government to take actions to reduce global warming pollution; and

WHEREAS, the Inter-Governmental Panel on Climate Change (IPCC), the international community's most respected assemblage of scientists, has found that climate disruption is a reality and that human activities are largely responsible for increasing concentrations of global warming pollution; and

WHEREAS, recent, well-documented impacts of climate disruption include average global sea level increases of four to eight inches during the 20th century; a 40 percent decline in Arctic sea-ice thickness; and nine of the ten hottest years on record occurring in the past decade; and

WHEREAS, climate disruption of the magnitude now predicted by the scientific community will cause extremely costly disruption of human and natural systems throughout the world including: increased risk of floods or droughts; sea-level rises that interact with coastal storms to erode beaches, inundate land, and damage structures; more frequent and extreme heat waves; more frequent and greater concentrations of smog; and

WHEREAS, on February 16, 2005, the Kyoto Protocol, an international agreement to address climate disruption, went into effect in the 141 countries that have ratified it to date; 38 of those countries are now legally required to reduce greenhouse gas emissions on average 5.2 percent below 1990 levels by 2012; and

WHEREAS, the United States of America, with less than five percent of the world's population, is responsible for producing approximately 25 percent of the world's global warming pollutants; and

WHEREAS, the Kyoto Protocol emissions reduction target for the U.S. would have been 7 percent below 1990 levels by 2012; and

WHEREAS, many leading US companies that have adopted greenhouse gas reduction programs to demonstrate corporate social responsibility have also publicly expressed preference for the US to adopt precise and mandatory emissions targets and timetables as a means by which to remain competitive in the international marketplace, to mitigate financial risk and to promote sound investment decisions; and

WHEREAS, state and local governments throughout the United States are adopting emission reduction targets and programs and that this leadership is bipartisan, coming from Republican and Democratic governors and mayors alike; and

WHEREAS, many cities throughout the nation, both large and small, are reducing global warming pollutants through programs that provide economic and quality of life benefits such as reduced energy bills, green space preservation, air quality improvements, reduced traffic congestion, improved transportation choices, and economic development and job creation through energy conservation and new energy technologies; and

WHEREAS, mayors from around the nation have signed the U.S. Mayors Climate Protection Agreement which, as amended at the 73rd Annual U.S. Conference of Mayors meeting, reads:

The U.S. Mayors Climate Protection Agreement

- A. We urge the federal government and state governments to enact policies and programs to meet or beat the target of reducing global warming pollution levels to 7 percent below 1990 levels by 2012, including efforts to: reduce the United States' dependence on fossil fuels and accelerate the development of clean, economical energy resources and fuel-efficient technologies such as conservation, methane recovery for energy generation, waste to energy, wind and solar energy, fuel cells, efficient motor vehicles, and biofuels;
- B. We urge the U.S. Congress to pass bipartisan greenhouse gas reduction legislation that includes
1) clear timetables and emissions limits and 2) a

flexible, market-based system of tradable allowances among emitting industries; and

- C. We will strive to meet or exceed Kyoto Protocol targets for reducing global warming pollution by taking actions in our own operations and communities such as:
1. Inventory global warming emissions in City operations and in the community, set reduction targets and create an action plan.
 2. Adopt and enforce land-use policies that reduce sprawl, preserve open space, and create compact, walkable urban communities;
 3. Promote transportation options such as bicycle trails, commute trip reduction programs, incentives for car pooling and public transit;
 4. Increase the use of clean, alternative energy by, for example, investing in "green tags", advocating for the development of renewable energy resources, recovering landfill methane for energy production, and supporting the use of waste to energy technology;
 5. Make energy efficiency a priority through building code improvements, retrofitting city facilities with energy efficient lighting and urging employees to conserve energy and save money;
 6. Purchase only Energy Star equipment and appliances for City use;
 7. Practice and promote sustainable building practices using the U.S. Green Building Council's LEED program or a similar system;
 8. Increase the average fuel efficiency of municipal fleet vehicles; reduce the number of vehicles; launch an employee education program including anti-idling messages; convert diesel vehicles to bio-diesel;
 9. Evaluate opportunities to increase pump efficiency in water and wastewater systems; recover wastewater treatment methane for energy production;
 10. Increase recycling rates in City operations and in the community;
 11. Maintain healthy urban forests; promote tree planting to increase shading and to absorb CO₂; and

12. Help educate the public, schools, other jurisdictions, professional associations, business and industry about reducing global warming pollution.

NOW, THEREFORE, BE IT RESOLVED that The U.S. Conference of Mayors endorses the U.S. Mayors Climate Protection Agreement as amended by the 73rd annual U.S. Conference of Mayors meeting and urges mayors from around the nation to join this effort.

BE IT FURTHER RESOLVED, The U.S. Conference of Mayors will work in conjunction with ICLEI Local Governments for Sustainability and other appropriate organizations to track progress and implementation of the U.S. Mayors Climate Protection Agreement as amended by the 73rd annual U.S. Conference of Mayors meeting.