



SPECIAL CITY COUNCIL MEETINGS

TUESDAY, MAY 1, 2018

Room 12, Hillview Community Center
97 Hillview Avenue, Los Altos, California

AGENDA

6:00 P.M. – SPECIAL JOINT MEETING OF THE LOS ALTOS CITY COUNCIL AND SENIOR COMMISSION

ESTABLISH QUORUM

City Councilmembers
Commission Members

DISCUSSION ITEMS

1. Role of Commission and potential 2018/19 Work Plan topics

6:45 P.M. SPECIAL JOINT MEETING WITH THE LOS ALTOS CITY COUNCIL AND YOUTH COMMISSION

ESTABLISH QUORUM

City Councilmembers
Commission Members

DISCUSSION ITEMS

1. Role of Commission and potential 2018/19 Work Plan topics

7:30 P.M. SPECIAL JOINT MEETING WITH THE LOS ALTOS CITY COUNCIL AND PARKS AND RECREATION COMMISSION

ESTABLISH QUORUM

City Councilmembers
Commission Members

DISCUSSION ITEMS

1. Role of Commission and potential 2018/19 Work Plan topics

8:15 P.M. SPECIAL JOINT MEETING WITH THE LOS ALTOS CITY COUNCIL AND ENVIRONMENTAL COMMISSION

ESTABLISH QUORUM

City Council Members
Commission Members

DISCUSSION ITEMS

1. Role of Commission and potential 2018/19 Work Plan topics

ADJOURNMENT

SPECIAL NOTICES TO THE PUBLIC

In compliance with the Americans with Disabilities Act, the City of Los Altos will make reasonable arrangements to ensure accessibility to this meeting. If you need special assistance to participate in this meeting, please contact the City Clerk 72 hours prior to the meeting at (650) 947-2720.

All public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, and that are distributed to a majority of the legislative body, will be available for public inspection at the Office of the City Clerk's Office, City of Los Altos, located at One North San Antonio Road, Los Altos, California at the same time that the public records are distributed or made available to the legislative body. Any draft contracts, ordinances and resolutions posted on the Internet site or distributed in advance of the Council meeting may not be the final documents approved by the City Council. Contact the City Clerk at (650) 947-2720 for the final document.

If you wish to provide written materials, please provide the City Clerk with **10 copies** of any document that you would like to submit to the City Council for the public record.

For other questions regarding the City Council meeting proceedings, please contact the City Clerk at (650) 947-2720.

SENIOR COMMISSION
2017/18 WORK PLAN

Approved 10/17

Goal	Projects	Assignments	Target Date	Status
Vision for Senior Use of Community Centers	Provide oversight of the Senior Perspective in development of a new Community Center	<ul style="list-style-type: none"> Oversight of the Senior Perspective (Lead – Anderson) Survey / Benchmark other Senior Programs in neighboring communities; use previous collected surveys 		<ul style="list-style-type: none"> Working with the WWDG to help develop the Hillview Comm Center. Presentations done for Seniors who are active at either Center - for input (three presentations)
	Review Programs and Facilities at Hillview Community Center and Grant Community Center	<ul style="list-style-type: none"> Work with staff to prioritize needs, both program and facility, to add / adjust / enhance 		<ul style="list-style-type: none"> Taking input from Grant Park Seniors to the City for further dev of the Grant Park Center.
Increase Participation in Senior Programs	Create new ideas for promotion in the community	<ul style="list-style-type: none"> Implement marketing and outreach plans 		<ul style="list-style-type: none"> Spring Fling - 4/6/18
	Develop a marketing plan	<ul style="list-style-type: none"> Host formal and informal forums to gather feedback 		<ul style="list-style-type: none"> Planning to host formal and informal forums to gather feedback and give info - Senior Expo?
	Develop an outreach plan	<ul style="list-style-type: none"> Host information tables at various city-wide events 		<ul style="list-style-type: none"> Host information tables at various city-wide events
	Promote Senior involvement in the community			
Transportation / Parking	Define transportation and parking needs	<ul style="list-style-type: none"> Represent Senior Commission in transportation studies if applicable Survey Seniors for transportation needs 		<ul style="list-style-type: none"> Represent Senior Commission in transportation studies if applicable Host an event to inform Seniors of alternative transportation
		<ul style="list-style-type: none"> Host an event to inform Seniors of alternative transportation 		
		<ul style="list-style-type: none"> Work with BAT / CERT 		<ul style="list-style-type: none"> Work to create workshop for Advanced Care Planning

SENIOR COMMISSION
2017/18 WORK PLAN

Approved 10/17

<p>Safety</p>		<ul style="list-style-type: none"> • Identify zones (Harding / Torbeck) • Update Senior Program Resource Binder 		<ul style="list-style-type: none"> • Identify zones • Update Senior Program Resource Binder
	<p>Promote current and/ or add programs for personal / home / community safety</p>			
<p>Maintain Age Friendly Status</p>	<p>Ascertain outstanding items needed to maintain status through the World Health Organization (WHO)</p>	<ul style="list-style-type: none"> • Be in compliance with all requirements 		<p>Working with CAFÉ to maintain current requirements for Age Friendly Status</p>

YOUTH COMMISSION
2017/18 Work Plan
(In progress as of December 4, 2017)

Goal	Projects	Assignments	Target Date	Status
Update the City Flag	Create a contest for submission of a new flag design.	Evaluate the need for a new flag. Present to council. Create contest parameters, promote, evaluate, and select top designs.		In progress
Increase teen participation in City of Los Altos teen programs	LAYC Dances	Promote monthly dances, pick new themes and help recreation staff sell dance tickets.	October 2017- May 2018	In progress
	Underground	Publicize Underground as meeting location for local teen groups.	September 2017- June 2018	In progress
Participate in City of Los Altos special events	New Year's Day Fun Run	Support recreation staff for day of task.	January 2018	Completed
	Egg Hunt	Organize games and activities during event.	April 2018	Scheduled
Award Teen Friendly Business	Give award away annually Spring 2018	Set criteria, evaluate candidates, and present award to winning business.	Spring 2018	Scheduled
Provide Finals Week relief to students	Provide relief (food) or study help for students during finals week	Work with the Library to provide services during finals. Plan food service.	Spring 2018	Scheduled
Offer dodgeball tournament	Collaborate with LAH Youth Commission	Designate time & location of event, promote and implement the tournament.	Spring 2018	Scheduled

**PARKS AND RECREATION COMMISSION
2018/19 WORK PLAN**

DRAFT

GOAL	PROJECTS	ASSIGNMENTS	TARGET DATE	CITY PRIORITY RELATED TO	STATUS
Engage with the community, solicit feedback on Los Altos Parks and recreation activities	Community Outreach	<ul style="list-style-type: none"> Attend two recreation special events per year (All Commissioners) 	Ongoing		Ongoing
		<ul style="list-style-type: none"> Strive for PARC representation at all special events (All Commissioners) 	Ongoing		Ongoing
		<ul style="list-style-type: none"> Conduct community outreach at the Downtown Farmers Market non-profit booth (All Commissioners) 	August-Sept		Ongoing
		<ul style="list-style-type: none"> Attend and volunteer at the Summer Concert Series (All Commissioners) 	June-August		Ongoing
Increase use of City parks	Community Engagement	<ul style="list-style-type: none"> Utilize current Los Altos parks photos to promote parks usage (Eckman) 	Fall 2018		
		<ul style="list-style-type: none"> Organize a Los Altos photo display event (TBD) 	Fall 2018		Accomplished/ongoing
		<ul style="list-style-type: none"> Explore hosting other community events at Los Altos Parks (Parmar & Heley) 	Fall 2018 & Spring 2019		Accomplished/ongoing
	Skate Park Feasibility	<ul style="list-style-type: none"> Explore possibility of a skate parks in Los Altos parks (Weinberg, Lindermeier, Heley) 	Spring 2019		
	Dog Park/Offleash Park Feasibility	<ul style="list-style-type: none"> Explore possibility of a dog park and/or off leash hours in Los Altos parks (Ellerin, Lilygren & Lindermeier) 	Fall 2019		Ongoing/on time
	Capital Improvement Program	<ul style="list-style-type: none"> Prioritize park project each year (All Commissioners) 	Annually		In Progress

Work to ensure the City maintains high quality parks and facilities

Naturescape	<ul style="list-style-type: none"> Finalize details for Naturescape recommendation to City Council (Weinberg) 	Fall 2018		In Progress
Comprehensive Drinking Fountain Replacement Project	<ul style="list-style-type: none"> Follow up to ensure that the City continues to replace the remaining drinking fountains identified in the PARC's previous recommendation on drinking fountain replacements (Full Commission) 	Ongoing		In Progress
Open Space	<ul style="list-style-type: none"> Redwood Grove and Shoup Park improvements (Sub-committee TBD) 			
Recreation programs	<ul style="list-style-type: none"> Review, analyze and recommend recreation programs and events (Heley, Parmar & Eckman) 	Ongoing		
Inclusive Playground	Explore possibility of inclusive playground in Los Altos (Heley, Parmar & Eckman)	Fall 2018		In Progress
Outdoor Adult Fitness Project	<ul style="list-style-type: none"> Continue to research and develop a proposal for inclusive outdoor fitness components and equipment for adults in parks (Weinberg) 	Fall 2018		In Progress



1 North San Antonio Road
Los Altos, California 94022-3087

MEMORANDUM

DATE: May 1, 2018

TO: City Council

FROM: Environmental Commission

SUBJECT: **2017/18 Environmental Commission Work Plan and Accomplishments;
2018/19 Environmental Commission Draft Target Areas**

Before you are the Environmental Commission 2017/18 Work Plan and Accomplishments (covering the period April 2017-April 2018) and the 2018/19 Draft Target Areas.

Below are the five target areas in 2017/18. Here are the Accomplishments:

1. Climate Action Plan

- a. Finalized Environmental Resources Dashboard on City website to communicate status and tracking of specific environmental initiatives- continue to maintain and update dashboard as data is made available
- b. *Commission subcommittee on Green Building developed and finalized a comprehensive white paper with recommendations on model measures to achieve long-term environmental benefit. The Green Building Report was shared with City staff for evaluation and with SVCEA working group as input to development of model ordinances for the region
- c. *Commission subcommittee on anti-idling conducted research on the environmental impacts of idling reduction, engaged volunteers to identify and survey potential problem areas, coordinated survey efforts with the Police Chief, discussed potential partnerships with Los Altos schools, and considered regional educational efforts
- d. *Analyzed history of gas-powered leaf blower ordinance and its enforcement; participated in discussion with staff and Los Altos Police Department on potential outreach and educational ideas to engage the public and encourage compliance with current leaf blower ordinance
- e. *Requested & secured funding in CIP for CAP analysis and update study by staff/consultants
- f. Staff attends SVCE Management Advisory Work Group (MAWG) and reports monthly to the Commission
- g. Provided recommendations, as needed, to Director Bruins and City staff on topics and issues addressed or under consideration by SVCEA
- h. Vice Chair Don Weiden appointed to SVCEA Consumer Advisory Working Group

- i. Recommended and supported Mayor Prochnow's signing of the Mayor's National Climate Action Agenda
- 2. Water Conservation/Stormwater Management**
 - a. Received update from Calwater on water conservation efforts, status, legislative changes, and education
 - b. Commission subcommittee on Shoulder Paving worked with Public Works staff and consultant on revisions to Shoulder Paving Policy; update on progress anticipated Q-2, 2018; received public comments from interested organizations and community members
 - c. Received report on green infrastructure for stormwater management
 - d. Followed monthly reports both State and regional on water conservation efforts
- 3. Solid Waste Diversion**
 - a. Received annual report from Mission Trails Waste Systems and provided feedback on recycling, diversion and compost efforts including designing labels for trash, recycling and compost bins, monitoring public events waste diversion efforts, methods to achieve an increase diversion rate
 - b. Facilitated availability and delivery of compost to Maintenance Services Center to be made available to Los Altos residents- delivery planned for Spring 2018
- 4. Visioning**
 - a. *Provided comprehensive memo to Hillview Community Center Project Task Force on important environmental design attributes, including creating a model building that sets the standards for future development in Los Altos
 - b. Selected a Commissioner and Alternate to participate in the Design Development Working Group to address LEED certification process and design of the building; provided discussion on important design elements; received update on LEED Charrette efforts and continuing plans; received report from staff on the components of the LEED score card process and outcomes
- 5. Community Outreach**
 - a. Provided presentations and/or booths at Farmer's Market, Downtown Green, Senior Center, Home Upgrade Workshop to educate and encourage public on environmental issues
 - b. Facilitated community meetings during implementation of SVCEA
 - c. Held a community meeting in June 2017 after the launch of SVCEA to update the community and answer questions
 - d. Continued to review SVCEA monthly agendas, reports and be available for Director Bruins to support her efforts
 - e.

* indicates areas for discussion with Council during the Joint Meeting

There are five target areas identified for the Draft 2018/19 Work Plan:

Environmental Commissioners requests Council discussion and approval/additions to the proposed target areas. 2018/19 Work Plan will then be developed to address these target areas

1. Climate Action Plan

- a. Climate Action Plan (CAP) update and review by staff or consultants
- b. Review current City CAP measures and their impact
- c. Work with SVCEA on regional GHG metrics and analysis, updates to Los Altos dashboard
- d. Refine GHG reduction measures to actionable strategies

- e. Continue subcommittees on Anti-Idling and Gas-Powered Leaf Blowers focused at educational outreach to the community
 - f. Work with staff to bring recommended Green Building “Reach Codes” to Council
 - g. Serve as resource to Director Bruins on policy questions under consideration by SVCEA
- 2. Visioning Process**
- a. Continue working with Design Development Working Group and staff to provide input on the new Community Center project, for example, including creating an all-electric, zero-carbon design
 - b. Contribute to Downtown Visioning Process if applicable
- 3. Community Outreach and Education**
- a. Educate residents on City ordinances or Green Initiatives (e.g., Gas-powered leaf blowers, anti-idling, recycling, conclusion of the stormwater and shoulder paving ordinances)
 - b. Continue supporting project implementation that impacts the built and natural environment
 - c. Update residents on special events (e.g., compost availability, recycling events, workshops)
- 4. Water Conservation & Stormwater Management**
- a. Continue to track water use on environmental resources dashboard
 - b. Monitoring water rates and support CalWater conservation efforts
 - c. Assist in development of Green Infrastructure Plan that is due to be adopted by June 2019
 - d. Continue to provide input to staff and consultant on shoulder paving ordinance and other emerging environmental issues
- 5. Solid Waste Diversion**
- a. Continue to track solid waste diversion on environmental resources dashboard
 - b. Continue working with MTWS to discuss ideas and solutions to increase recycling, diversion and composting tactics at special events and throughout the City

We welcome your input and guidance.

On behalf of the Environmental Commissions, Thank you,
Laura Teksler
Chair, Environmental Commission

ENVIRONMENTAL COMMISSION

2017/18 Work Plan

April 9, 2018

Goal	Projects	Assignments	Target Date	City Priority related to	Status
Climate Action Plan & CCE	Community outreach and education for the implementation of CCE and SVCEA	<ul style="list-style-type: none"> Speakers and SVCE staff outreach efforts for residential and business (Bray, Teksler, Hedden) Customer Program Advisory Group (CPAG) V.C. Weiden 	Ongoing	Climate Action Plan Goals and CCE-SVCE implementation	<ul style="list-style-type: none"> Downtown Green event, August 20, 12-4pm; 8/2 & 8/4 Senior Center presentation by SVCEA staff Attend CPAG meetings (first meeting 1.17.18)
	Resource to Director Bruins	<ul style="list-style-type: none"> Policy & Program guidance (Teksler, Hedden, Weiden) 	Monthly	Climate Action Plan Goals and CCE-SVCE implementation	<ul style="list-style-type: none"> Review SVCE packet and recommendations to Director Bruins as needed; request specific clarification from Dir. Bruins MAWG rep to update Dir. Bruins ahead of BOD meetings as needed
	Partner with Community Development	<ul style="list-style-type: none"> Staff 	Monthly	Climate Action Plan Goals and CCE-SVCE implementation	<ul style="list-style-type: none"> Attend MAWG rep with Community Development staff if available to attend
	Energy efficiency measure for community	<ul style="list-style-type: none"> Commission to explore and research programs offered by PG&E, Acterra, Energy Upgrade California, CA First (Hedden) 	Oct. 2017 workshop with SCCo Office of Sustainability	Climate Action Plan Goals and CCE-SVCE implementation	<ul style="list-style-type: none"> Home Upgrade Workshop on Oct. 18, 2017 (approx. 40 attendees, welcomed by Weiden) PG&E streetlight replacement beginning late September 2017
	Research best practice for green building codes and planning requirements	<ul style="list-style-type: none"> Commission to engage with staff to research and recommend areas to be reviewed (EV, solar installs, green building measures) (Yuan, Teksler, Halkola) 	Final report approved; sent to CD staff for review and comments	Climate Action Plan Goals and CCE-SVCE implementation New community center	<ul style="list-style-type: none"> Initial Staff meeting Aug. 16, 2017 Staff shared report with SVCE MAWG at Sept 27, 2017 meeting Application of concepts to building of new community center

Climate Action Plan & CCE (cont.)	With staff, support opportunities for CAP GHG reduction measures.	<ul style="list-style-type: none"> Commission to support staff's efforts to update CAP with inventory & review of measures 	annual	Climate Action Plan Goals and CCE-SVCE implementation	CAP Report with analysis of measures and data in CIP Budget; staff attend Member Agency Work Group (MAWG) meetings.
	Environmental Resources Dashboard	<ul style="list-style-type: none"> Review and enhance GHG reporting and data on Green Initiatives pages of City website (Bray, Eyre, Halkola) 	In process	Climate Action Plan Goals and CCE-SVCE implementation	Data collection ongoing. Dashboard updated with data through 2015, 2016 if available
	Anti-Idling Effort	<ul style="list-style-type: none"> Subcommittee formed (Hedden, Yuan, Weiden) 	Discussion on 8-14-17; Meeting with staff 8-25-17; Update 9-11-17; Meeting with staff 9-18-17; Update 10-9-17; Update 11-13-17;12-11-17; 1-8-18; 2-12-18	Climate Action Plan Goals and CCE-SVCE implementation	<ul style="list-style-type: none"> Research existing ordinances and enforcement Research educational campaign Discuss regional education effort Outreach to identified partners Implement survey at selected locations
Water Conservation & Stormwater Management	Support community and municipal drought related measures	<ul style="list-style-type: none"> Reported by (Eyre) Track water usage via ER Dashboard (Eyre, Bray) Support staff in development of green infrastructure measures (Eyre) 	Summer/Fall focus with ongoing review	Water Conservation Resolution 2015-15	<ul style="list-style-type: none"> Monitor water use Update drought website CalWater presentation 9-11-17
	Stormwater management/shoulder paving policy	<ul style="list-style-type: none"> Assist staff and review development of storm water plans and reporting (Weiden, Bray, Halkola) 	Subcommittee meetings, staff reports	Stormwater Master Plan and Water Conservation	Shoulder paving policy revisions

ATTACHMENT A

<p>Solid Waste Diversion</p>	<p>Review of progress toward diversion goals Focus on composting</p>	<ul style="list-style-type: none"> • MTWS Annual review • Explore opportunities with staff for public outreach (Weiden, Yuan) 	<p>Compost available for community at Sunnyvale SMaRT Station</p> <p>MTWS to provide compost to community at MSC or other Los Altos location in Spring 2018</p>	<p>Recycling and diversion</p>	<ul style="list-style-type: none"> • Compost to made available at MSC Spring 2018 at MSC • Update on event recycling- add events to CM weekly updates • MTWS update March 12, 2018
<p>Visioning Process</p>	<p>Provide environmental perspective to assist visioning process</p>	<ul style="list-style-type: none"> • Environmental Commissioners 	<p>New community center design - ongoing</p>	<p>Provide support to Task Force and Council on natural and built environment</p>	<ul style="list-style-type: none"> • Participate in discussion on environmental impacts • Recommendations sent to Task Force • City Council supported recommendation to upgrade to LEED Gold equivalent • EC to support zero net carbon (ZNC), all-electric building (ZNE) over LEED Gold equivalent • Advocate for mechanical engineer on design team with experience designing all-electric building • Participate in LEED Charrette– 3-22-18
<p>Community Outreach</p>	<p>Support project implementation by public outreach and education efforts</p>	<ul style="list-style-type: none"> • City webpages; social media; engage with community groups (Name of Commissioner assigned) • Invite speakers to EC meetings on Work Plan related topics (All Commissioners) 	<p>Ongoing</p>	<p>Public outreach and education</p>	<p>Partnership with GTLA, SVCEA, community non-profits, community organizations, County Office of Sustainability</p>

ATTACHMENT A

	Gas-powered leaf-blower ban review	Commission to review gas-powered leaf-blower ban enforcement data and consider potential outreach/educational campaign (Teksler)	Ongoing	Public outreach and education	Received historical memo from staff; reviewing enforcement data and discussing educational campaign with staff 1-8-18; potential subcommittee formation pending data review.
Special Projects	As assigned by Council	Research and report on membership for City in Mayor's National Climate Action Agenda	July 2017	Climate Action Plan. Request from Mayor Prochnow	Mayor signed letter; Commissioner Weiden to follow activities of the organization
		Research and report on Santa Clara County Climate Resolution	When directed by City Council	Climate Action Plan. Request from City Council	EC reviewed and compared County Resolution and Resolution for Climate Restoration and will provide recommendation at future date, if directed



1 North San Antonio Road
Los Altos, California 94022-3087

MEMORANDUM

DATE: August 18, 2017

TO: Hillview Community Center Task Force

FROM: Environmental Commission

SUBJECT: CONSIDERATIONS FOR THE TASK FORCE PURSUANT TO THE BUILDING OF THE HILLVIEW COMMUNITY CENTER

Environmental Commission

The Environmental Commission (EC) appreciates the opportunity to submit the following input as design considerations to the Hillview Community Center Task force. We thank the City for requiring a LEED Silver building in the design RFP and assume that, with that designation, the building will incorporate many sustainable building concepts such as energy efficient HVAC mechanical systems and appliances, water conserving fixtures, and incorporation of recycled content materials.

The EC envisions a facility that serves as a demonstration of sustainability to our community. We would like to call out the specific features outlined below as the highest priority sustainability features to be included in the design of the site. We welcome the opportunity to provide more detailed information and input when appropriate.

Waste

Deconstruction and Materials Reuse

Minimize landfill waste by deconstructing existing building and hardscape and reusing materials where possible in new building.

Energy

100% Electric building

All energy needs of HVAC, mechanical equipment, water heating and appliances should be provided by electricity, thereby minimizing Greenhouse Gas (GHG) emissions generated during building's operation. (Natural Gas has significantly higher GHG emissions compared to electricity, particularly now that Los Altos has GHG-free electricity.)

Photovoltaic System with Battery Storage and/or Solar Water Heating System

The ability to capture and store electrical/thermal energy generated from PV/Solar systems is increasingly important as our solar generation capacity increases grid-wide.

Healthy Indoor Environment

Incorporate natural lighting, passive heating and cooling principles, and non-toxic materials to ensure a healthy environment for occupants and decreased energy demand.

Water

Zero Rainwater Runoff

Use permeable surfaces for all hardscape surfaces to ensure no rainwater runoff from the site. Incorporate rain gardens and/or collection and storage for capture and infiltration during storm events. Investigate feasibility of collecting and storing rainwater for irrigation of native plant landscaping.

Transportation

Design for Alternative and Clear Air Transportation

Incorporate a drop-off area to accommodate ridesharing services and future shuttles. Ensure safe and convenient access for pedestrians and cyclists. Include at least 5 Electric Vehicle Charging-ready parking spaces (preferable with charging stations included), convenient areas for bicycle parking, and waste/compost/recycling storage and pickup area.

April 24, 2018

To: City of Los Altos
Staff Liaison to Environmental Commission

From: Environmental Commissioner, Don Weiden

Subject: Anti-Idling Survey Results and Environmental Commission Recommendations

I. The Environmental Commission appointed an Anti-Idling Subcommittee on August 14, 2017 and authorized a preliminary survey to assist in evaluating the extent of voluntary vehicle idling within Los Altos. Subcommittee activities:

- August 25, 2017 Gary Hedden and Don Weiden met with J. Logan and Sarah Henricks – Discussed and identified items to be investigated.
- September 1, 2017 Gary Hedden, Lei Yuan and Don Weiden met with Sarah Hendricks – Continued discussion of items to be investigated. The City has the ability to post anti-idling signs without an ordinance if approved by Public Works.
- September 6, 2017 Lei Yuan met with Sybil Cramer of the Los Altos High School Green Team and Cheryl Weiden – Sybil stated that the Green Team selects their activities. Sybil would like to see City direction so that School District will take action including posting signs and enforcing anti-idling.
- September 11, 2017 – Subcommittee report to Environmental Commission.
- September 18, 2017 met with J. Logan and Sarah Henricks – Custom signs would cost \$200 to \$250 each depending on size and graphics. Installation cost could be at nominal if done by City crews on existing posts. The Chief of Police met with the Los Altos High School Superintendent and found support for educational efforts and inclusion in Drivers Education program. Gary Hedden contacted Joe Simitian's office and found his staff willing to discuss and evaluate the subject. Simitian's staff later encouraged continuing grassroots efforts on anti-idling, although the staff would not pick this issue up at this time.
- October 9, 2018 – Subcommittee report to Environmental Commission. Environmental Commission authorized conducting surveys.
- November 13, 2018 – Oral report to Commission. Survey of Rancho Shopping Center, Hillview/Civic Center and Main Street/State Street completed 11/9, 11/10 and 11/11.
- December 11, 2018 – Oral report to Commission. Survey at Los Altos High School completed 12/1, 12/4 and 12/5.
- January 8, 2018 – Oral report to Commission. Surveys at K – 8 schools to be scheduled after Solar installations are complete.
- February 12, 2018 – Oral report to Commission. Survey at Pinewood School done by Pinewood students 1/23, 1/24 & 1/25. Aimi Wen spoke of Pinewood students' interest in anti-idling and interest expressed at High School Environmental Group summit on 1/27.
- March 12, 2018 – Oral report to Commission. Surveys at K – 8 schools are scheduled, Couvington during week of 3/19, Santa Rita during week of 3/26, Blach during week of April 2 and Gardner-Bullis during the week of 4/16.

- April 9, 2018 – Subcommittee report to Commission and discussion of survey results. Commission recommended next steps.

II. Idling Survey Results

LOCATION	SURVEY TIME MINUTES	IDLING MINUTES OBSERVED	OCCUPIED VEHICLES WAITING	VEHICLES IDLING 1+ MINUTES	AVERAGE IDLING MINUTES PER DAY
RANCHO S CTR	172	111	Did not count	33	37
HILLVIEW/CIVIC C	83	12	Did not count	6	4
MAIN/STATE STS	202	66	Did not count	24	22
LOS ALTOS HS	519	1080	431	141	360
PINEWOOD	160	611	259	154	204
COUVINGTON	209	1244	222	142	415
SANTA RITA	200	1986	378	285	662
BLACH	137	427	297	90	142
GARDNER-BULLIS	170	1011	333	174	337

A one-page summary of data collected at each location is attached to the end of this report

III. Idling Survey Observations

1. Surveys at Schools
 - a. Some vehicles arrive for student pickup 30+ minutes prior to student discharge and idle the entire time.
 - b. Survey recorded idling only in specific zones in the school entry / exit loop from sidewalks. Idling within parking lots, on streets and adjacent areas waiting to enter the school entry / exit loop or waiting for students to walk to the waiting vehicles was significant (probably greater than the surveyed zones) and was not recorded.
 - c. Weather was mild on the survey days so Idling was not required for comfort within vehicles.
 - d. Activities while idling included activities on mobile devices and talking. Some even exited their vehicle to talk with other adults while their vehicle idled.
 - e. School busses turned off their engines.
 - f. Pick-up service providers (vans) generally idled their vehicles.
 - g. The vast majority of vehicles waiting in the student pickup lane at K-6 schools idled.
2. Surveys at Locations other than Schools
 - a. When entering or leaving parking spaces, individuals often become distracted with mobile devices and idle.
 - b. Idling occurs when driver waits for a passenger to run an errand in a store.
 - c. Idling occurs when food is brought into and consumed in the vehicle.
3. General
 - a. More than a majority of occupied vehicles idle while parked.
 - b. Generally, vehicle occupants seem unaware and not concerned about idling.

- c. Survey work generated interest in anti-idling among high school students and K – 8 student’s parents.

IV. Benefits of Reducing Voluntary Vehicle Idling in Los Altos

1. Estimated prevention of MT CO₂ for Los Altos from the Voluntary Vehicle Idling Study.
 - a. An idling vehicle emits approximately 1.4g of CO₂ per second, Reference Vanderbilt paper Article 4.1, Therefore, 455 kilograms of CO₂ emission (1.4 x 60 x 5,415 = 454,860) was observed.
 - b. Based on the survey data and a number of assumptions, MT CO₂ from voluntary vehicle idling in Los Altos most likely exceeds 94 MT CO₂. Schools exceed 66 MT CO₂: 180 school days per year, 9 public schools in Los Altos with surveyed average idling of 350 minutes per day, 7 private schools in Los Altos with assumed average idling of 175 minutes per day. Commercial and civic areas most likely exceed 28 MT CO₂: 261 commercial/civic days per year, 4 times the survey observed idling minutes per day, 5 times the survey area for the total Los Altos commercial and civic area. Los Altos total most likely exceeds 94 MT CO₂ (66 + 28).
2. Estimated prevention of MT CO₂ for Los Altos Voluntary Vehicle Idling derived from various studies ranged from 47 to 542 MT CO₂.
 - a. City of Palo Alto Colleagues Memo dated August 28, 2017 – Factoring private vehicle estimate of MT CO₂ prevented by population of Los Altos to population of Palo Alto yields 271 to 542 MT CO₂.
 - b. Vanderbilt University Paper titled Costly myths: An analysis of idling beliefs and behavior in personal motor vehicles and dated March 4, 2009 – Factoring private vehicle estimate of MT CO₂ prevented by number of private vehicles in US to number of vehicles in Los Altos yields 390 MT CO₂.
 - c. Improving Toronto’s Idling Control Bylaw, McKowen, Toronto Medical Officer of Health, Environmental Protection, 2010, page 6 – Factoring Toronto’s estimate of total idling MT CO₂ by population of Los Altos to population of Toronto yields 1,164 MT CO₂. This is approximately 43% of the total idling MT CO₂ estimated in #1 and 12% of that estimated in #2 and results in estimated prevention of 47 to 234 MT CO₂.
3. Environmental Benefits of Reducing Voluntary Vehicle Idling in Los Altos
 - a. Would reduce CO₂ emissions and help Los Altos meet its Climate Action Plan (CAP) Greenhouse Gas Target. Of the 43 measures identified in the Los Altos CAP, the reduction in unnecessary idling would rank between 12th and 21st.
 - b. Would reduce the concentration of chemicals hazardous to human health in the air we breath at our schools, public gatherings, recreation events, shopping locations and outside/sidewalk dining locations.
 - c. Would set a standard of good practice and demonstrate leadership for others to follow, magnifying the positive environmental impacts.
4. Economic Benefits of Reducing Voluntary Vehicle Idling in Los Altos
 - a. Reduce vehicle maintenance costs. Idling a vehicle is harder on the vehicle’s engine, electrical and mechanical systems than turning the vehicle off and on.

- b. Save fuel costs. Idling passenger vehicles or light duty trucks consume between 0.32 and 0.71 gal/hr. of gasoline. If the City's fleet of 71 vehicles idled unnecessarily for 15 minutes per day with gasoline at \$3.50 per gallon the wasted fuel would total approximately \$10,000 per year.

V. Environmental Commission Recommendations

1. Consider incorporation of Anti-Idling into the next Climate Action Plan Implementation Work Plan Update
2. Assist in the development of a Community Anti-Idling Education Campaign if expressions of support are received from key stake holders (City, Schools, Businesses)
3. Assist in the development of an Anti-Idling policy for City Vehicle Fleet
4. Present recommendations to the City Council as part of the Environmental Commission's 2018/19 work plan.
5. Report survey results to K – 8 School District, High School and Pinewood.
6. Encourage others to move forward on anti-idling as a grassroots activity

Location	Date	Day	Survey Start Time	Survey End Time	# Cars 1 Min Idl	# Cars 2 Min Idl	# Cars 3 Min Idl	# Cars 4 Min Idl	# Cars 5+ Min Idl	Survey Time	Idling Time Observed	Comments
Rancho Shopping Center	11/9/2017	Thurs	10:44	11:02	3	1	1	1	1	18	14	Cloudy 63 to 67F
Rancho Shopping Center	11/9/2017	Thurs	12:05	12:25	2	2	2	2	3	20	19	Cloudy 63 to 67F
Rancho Shopping Center	11/9/2017	Thurs	2:37	2:51	1	1	1	1	1	14	2	Cloudy 63 to 67F
Rancho Shopping Center	11/10/2017	Fri; Holiday	10:55	11:14	1	2	2	2	1	19	5	Cloudy, Rain, 65F
Rancho Shopping Center	11/10/2017	Fri; Holiday	11:45	12:00	2	2	2	2	1	15	9	Cloudy, Rain, 65F
Rancho Shopping Center	11/10/2017	Fri; Holiday	2:33	2:49	2	2	2	2	1	21	11	Partly Cloudy 61 to 63F
Rancho Shopping Center	11/11/2017	Saturday	10:46	11:07	2	2	2	2	2	23	21	Partly Cloudy 61 to 63F
Rancho Shopping Center	11/11/2017	Saturday	12:03	12:26	2	2	2	2	4	26	28	Partly Cloudy 61 to 63F
Rancho Shopping Center	11/11/2017	Saturday	2:15	2:41	2	2	2	2	1	16	7	Cloudy 63 to 67F
Hillview/Civic Center	11/9/2017	Thurs	11:09	11:25	2	2	2	2	1	12	0	Cloudy 63 to 67F
Hillview/Civic Center	11/9/2017	Thurs	12:44	12:56	2	2	2	2	1	15	5	Cloudy 63 to 67F
Hillview/Civic Center	11/9/2017	Thurs	3:24	3:39	1	2	2	2	1	10	0	Cloudy, Rain, 65F; (HCC, Library & City Closed)
Hillview/Civic Center	11/10/2017	Fri; Holiday	11:30	11:40	2	2	2	2	1	5	0	Cloudy, Rain, 65F; (HCC, Library & City Closed)
Hillview/Civic Center	11/10/2017	Fri; Holiday	1:15	1:20	2	2	2	2	1	5	0	Cloudy, Rain, 65F; (HCC, Library & City Closed)
Hillview/Civic Center	11/10/2017	Fri; Holiday	3:00	3:05	2	2	2	2	1	9	0	Cloudy, Rain, 65F; (HCC, Library & City Closed)
Hillview/Civic Center	11/11/2017	Saturday	11:14	11:23	2	2	2	2	2	7	0	Partly Cloudy 61 to 63F (Library & City Closed)
Hillview/Civic Center	11/11/2017	Saturday	1:23	2:30	2	2	2	2	4	4	0	Partly Cloudy 61 to 63F (Library & City Closed)
Hillview/Civic Center	11/11/2017	Saturday	2:48	2:52	2	2	2	2	1	20	0	Partly Cloudy 61 to 63F (Library & City Closed)
Main St / State St	11/9/2017	Thurs	11:30	11:50	1	1	1	1	2	31	15	Cloudy 63 to 67F
Main St / State St	11/9/2017	Thurs	1:10	1:41	2	2	2	2	1	16	4	Cloudy 63 to 67F
Main St / State St	11/9/2017	Thurs	3:00	3:16	1	1	1	1	2	32	21	Cloudy, Rain, 65F
Main St / State St	11/10/2017	Fri; Holiday	11:44	12:16	1	1	1	1	2	20	2	Cloudy, Rain, 65F
Main St / State St	11/10/2017	Fri; Holiday	1:29	1:49	1	1	1	1	1	22	6	Cloudy, Rain, 65F
Main St / State St	11/10/2017	Fri; Holiday	3:08	3:30	3	3	3	3	1	19	4	Partly Cloudy 61 to 63F
Main St / State St	11/11/2017	Saturday	11:26	11:45	1	1	1	1	1	24	7	Partly Cloudy 61 to 63F
Main St / State St	11/11/2017	Saturday	1:35	1:59	1	1	1	1	1	18	7	Partly Cloudy 61 to 63F
Main St / State St	11/11/2017	Saturday	3:02	3:20	1	1	1	1	1	457	189	

Notes

- Actual idling times are greater than observed idling times because idling before start of observation and after 5 min of observation is not recorded.
- An idling vehicle emits 1.4g of CO2 per second. Reference Vanderbilt paper Article 4.1. Therefore, we observed 15.9 kilograms of CO2 emission (1.4 x 60 x 189 = 15,876)
- If the idling observed is repeated each day for a year the resultant CO2 would be 1.9 Mt (15.88/3 x 365 = 1,931 Kilograms)
- An estimate of CO2 idling emissions at these three locations would be significantly higher than 1.9 Mt observed because A) we could not observe the entirety of each location during the survey time and B) our survey time was less than 60 minutes each day at each location.

Idling Survey Results														
Revised 12/5/2017														
Location	Date	Day	Survey Start Time	Survey End Time	# Cars 1 Min Idl	# Cars 2 Min Idl	# Cars 3 Min Idl	# Cars 4 Min Idl	# Cars 5+ Min Idl	Survey Time	Idling Time Observed	Total Vehicles Waiting	Total Vehicles Idling 1+ min	Comments
Los Altos HS, Almond Av, Pickup / Dropoff Crescent	12/1/2017	Friday	2:10	3:54	4	7	4	5	18	104	281	107	38	Clear, Sunny, 63F, Note of the 18 cars observed idling 5+ min, 10 idled 10+ min, 5 idled 20+ min and 1 idled 30+ min, total of 231 min of idling
Los Altos HS, Jardin Av (Casita to Panchita)	12/1/2017	Friday	2:15	2:58	1	1	1	1	1	43	7	19	2	Clear, Sunny, 63F
Los Altos HS, Jardin & Casita	12/1/2017	Friday	3:19	3:43	1	1	1	2	24	11	13	3	Clear, Sunny, 63F	
Los Altos HS, Almond Av, Pickup / Dropoff Crescent	12/4/2017	Monday	2:10	3:42	8	3	3	3	19	92	281	103	36	Clear, Sunny, 63F, Note of the 19 cars observed idling 5+ min, 12 idled 10+ min, 5 idled 20+ min, total 246 min of idling
Los Altos HS, Jardin & Casita	12/4/2017	Monday	2:18	2:49	1	1	1	1	1	31	20	8	2	Clear, Sunny, 63F, Note the one vehicle observed idling 5+ min actually idled for 2:17 min
Los Altos HS, Jardin & Casita	12/4/2017	Monday	3:10	3:43	1	1	1	1	3	33	32	16	6	Clear, Sunny, 63F, Note of the 3 cars observed idling 5+ min, 1 idled 14 min, total 24 min of idling
Los Altos HS, Almond Av, Pickup / Dropoff Crescent	12/5/2017	Tuesday	2:10	4:00	4	5	6	2	30	110	417	138	47	Clear, Sunny, 66F, Note of the 30 cars observed idling 5+ min, 17 idled 10+ min, 9 idled 15+ min, 4 idled 20+ min, 1 idled 30+ min, total 377 min of idling
Los Altos HS, Jardin & Casita	12/5/2017	Tuesday	2:15	2:51	1	1	1	1	1	36	4	7	1	Clear, Sunny, 66F
Los Altos HS, Jardin & Casita	12/5/2017	Tuesday	3:07	3:53	17	19	16	15	74	519	1080	431	141	Clear, Sunny, 66F, Note of the 2 cars observed idling 5+ min, 1 idled 7 min and one idled 10 min, total 17 min of idling
Notes														
1. Actual idling times are greater than observed idling times because idling before start of observation and after completion of observation is not recorded.														
2. An idling vehicle emits 1.4g of CO2 per second, Reference Vanderbilt paper Article 4.1. Therefore, we observed 90.7 kilograms of CO2 emission (1.4 x 60 x 1080 = 90,720)														
3. Survey did not include the following additional pickup areas at LAHS: main parking lot, Almond Ave, Jardin & Los Ninos														

Idling Survey Results														
Location	Date	Day	Survey Start Time	Survey End Time	# Cars 1 Min Idl	# Cars 2 Min Idl	# Cars 3 Min Idl	# Cars 4 Min Idl	# Cars 5+ Min Idl	Survey Time	Idling Time Observed	Total Vehicles Waiting	Total Vehicles Idling 1+ min	Comments
Pinewood School	1/23/2018	Tuesday	14:40	15:20	3	4					11		7	Clear, Sunny, 60F
Revised 01/25/2018	1/23/2018	Tuesday	14:44	15:20	3	1	1				8		5	Clear, Sunny, 60F
Zone 1	1/23/2018	Tuesday	14:40	15:20	2	3		1	3		36		9	Clear, Sunny, 60F, Note of the 3 cars observed idling 5+ min, 2 idled 6+ min, and 1 idled 12+ min, total of 24 min of idling
Zone 2	1/23/2018	Tuesday	14:40	15:20		1					2		1	Clear, Sunny, 60F
Zone 3	1/23/2018	Tuesday	14:40	15:20	4	9	3	3	2		49		18	Clear, Sunny, 65F, Note the 2 vehicles observed idling 5+ min, 1 idled 6+ min and 1 idled 12+ min, total of 18 min of idling
Zone 4	1/23/2018	Tuesday	14:40	15:20	12	18	4	1	5	40	106	79	40	
Subtotal														
Zone 1	1/24/2018	Wednesday	13:03	13:43		1					2		1	Cloudy, 60F
Zone 2	1/24/2018	Wednesday	13:03	13:43		2	1				7		3	Cloudy, 60F
Zone 3	1/24/2018	Wednesday	13:03	13:43				1			4		1	Cloudy, 60F
Zone 4	1/24/2018	Wednesday	13:10	13:43									0	Cloudy, 60F
Zones 5A & 5B	1/24/2018	Wednesday	13:03	13:43	1	1	1	1	1		14		4	Cloudy, 60F, Note the vehicle observed idling 5+min idled for 8+ min
Subtotal					1	4	2	1	1	40	27	37	9	
Zone 1	1/24/2018	Wednesday	14:40	15:20		2			2		14		4	Overcast, Light Rain, 55F
Zone 2	1/24/2018	Wednesday	14:40	15:20	1				8		61		9	Overcast, Light Rain, 55F, Note the 8 vehicles observed idling 5+ min, 1 idled 6+ min, 1 idled 7+ min, 1 idled 8+ min, 1 idled 9+ min and 2 idled 10+ min, total of 60 min of idling
Zones 3 & 4	1/24/2018	Wednesday	14:40	15:20		2			1		12		3	Overcast, Light Rain, 55F, Note the vehicle observed idling 5+min idled for 8+ min
Zone 5A	1/24/2018	Wednesday	14:40	15:20	6				2		37		9	Overcast, Light Rain, 55F, Note the 2 vehicles observed idling 5+ min, 1 idled 9+ min and 1 idled 20+ min, total of 29 min of idling

Idling Survey Results														
Pinewood School														
Revised 01/25/2018														
Location	Date	Day	Survey Start Time	Survey End Time	# Cars 1 Min Idl	# Cars 2 Min Idl	# Cars 3 Min Idl	# Cars 4 Min Idl	# Cars 5+ Min Idl	Survey Time	Idling Time Observed	Total Vehicles Waiting	Total Vehicles Idling 1+ min	Comments
Zone 5B	1/24/2018	Wednesday	14:40	15:20	5	4	2	2	2	1	53	71	14	Overcast, Light Rain, 55F, Note the vehicle observed idling 5+min idled for 26+ min
Subtotal					12	9	2	2	2	40	177		39	
Zone 1	1/25/2018	Thursday	15:01	15:14	3	1					5		4	Partly Cloudy, 56F
Zone 2	1/25/2018	Thursday	14:40	15:20	1	5	2		7		81		15	Partly Cloudy, 56F, Note the 7 vehicles observed idling 5+ min, 1 idled 7+ min, 1 idled 8+ min, 3 idled 9+ min and 2 idled 11+ min, total of 64 min of idling
Zone 3	1/25/2018	Thursday	14:40	15:20	1	3			5		69		12	Partly Cloudy, 56F, Note the 5 vehicles observed idling 5+ min, 2 idled 13+ min and 1 idled 14+ min, total of 50 min of idling
Zone 4	1/25/2018	Thursday	14:40	15:20									0	Partly Cloudy, 56F
Zone 5A	1/25/2018	Thursday	14:40	15:20	10	4	4	2	5		83		25	Partly Cloudy, 56F, Note the 5 vehicles observed idling 5+ min, 2 idled 6+ min, 1 idled 7+ min, and 1 idled 21+ min, total of 45 min of idling
Zone 5B	1/25/2018	Thursday	14:40	15:20	15	15	9	7	20	3	63		10	Partly Cloudy, 56F, Note the 3 vehicles observed idling 5+ min, 1 idled 6+ min, 1 idled 8+ min, and 1 idled 28+ min, total of 42 min of idling
Subtotal					40	46	17	11	40	160	611	259	66	
TOTALS													154	
Notes														
1. Survey area was the Pinewood School entry/exit loop. Students were assigned specific zones and recorded activity within his or her assigned zone. Therefore, a specific car could have been recorded idling in more than one zone.														
2. Electric vehicle idling not included.														
3. Idling was only recorded during the noted survey times. In some cases idling was observed at the start of the survey time and after the end of the survey time.														
4. An idling vehicle emits approximately 1.4g of CO2 per second. Reference Vanderbilt paper Article 4.1. Therefore, 51.3 kilograms of CO2 emission (1.4 x 60 x 611 = 51,320) was observed														

Idling Survey Results														
Covington School														
Revised 03/23/2018														
Location	Date	Day	Survey Start Time	Survey End Time	# Cars 1 Min Idl	# Cars 2 Min Idl	# Cars 3 Min Idl	# Cars 4 Min Idl	# Cars 5+ Min Idl	Survey Time	Idling Time Observed	Total Vehicles Waiting	Total Vehicles Idling 1+ min	Comments
Zone 1	3/21/2018	Wednesday	14:05	15:15	5	3	1	1	16	16	234		25	Cloudy, 66F, Note the 16 vehicles observed idling 5+ min, 3 idled 6+ min, 1 idled 7+ min, 2 idled 8+ min, 1 idled 9+ min, 1 idled 10+ min, 1 idled 12+ min, 3 idled 15+ min, 1 idled 21+ min, 2 idled 22+ min and 1 idled 40+ min, total of 222 min of idling
Zone 2	3/21/2018	Wednesday	14:05	15:15	1	3			7	7	89		11	Cloudy, 66F, Note the 7 vehicles observed idling 5+ min, 1 idled 6+ min, 1 idled 10+ min, 3 idled 11+ min, 1 idled 16+ min and 1 idled 17+ min, total of 82 min of idling
Subtotal					6	6	1	1	23	70	323	64	36	
Zone 1	3/22/2018	Thursday	13:03	14:10	1	1	1	3	24	24	248		30	Cloudy, Drizzles, 54F, Note the 24 vehicles observed idling 5+ min, 1 idled 5+ min, 2 idled 6+ min, 3 idled 7+ min, 4 idled 8+ min, 1 idled 9+ min, 7 idled 10+ min, 4 idled 13+ min, 1 idled 14+ min, and 1 idled 15+ min, total of 230 min of idling
Zone 2	3/22/2018	Thursday	13:03	14:10	6	5	1	1	10	10	242		22	Cloudy, Drizzles, 54F, Note the 10 vehicles observed idling 5+ min, 2 idled 6+ min, 1 idled 10+ min, 1 idled 11+ min, 1 idled 12+ min, 2 idled 13+ min, 1 idled 17+ min, and 2 idled 23+ min, total of 222 min of idling
Zone 3	3/22/2018	Thursday	13:03	14:10	2	2	1	1	1	1	26		4	Cloudy, Drizzles, 54F, Note the vehicle observed idling 5+ min idled for 19 min, total of 19 min of idling
Subtotal					7	8	3	3	35	67	516	85	56	
Zone 1	3/23/2018	Friday	14:05	15:17	2	2			3	17	151		24	Partly Cloudy, 59F, Note the 17 vehicles observed idling 5+ min, 2 idled 5+ min, 4 idled 6+ min, 1 idled 7+ min, 3 idled 8+ min, 4 idled 9+ min, 2 idled 10+ min, and 1 idled 12+ min, total of 133 min of idling

Idling Survey Results														
Couvington School														
Revised 03/23/2018														
Location	Date	Day	Survey Start Time	Survey End Time	# Cars 1 Min Idl	# Cars 2 Min Idl	# Cars 3 Min Idl	# Cars 4 Min Idl	# Cars 5+ Min Idl	Survey Time	Idling Time Observed	Total Vehicles Waiting	Total Vehicles Idling 1+ min	Comments
Zone 2	3/23/2018	Friday	14:05	15:17	3	3	1	1	13		197		20	Partly Cloudy, 59F, Note the 13 vehicles observed idling 5+ min, 1 idled 6+ min, 2 idled 8+ min, 2 idled 9+ min, 1 idled 10+ min, 2 idled 12+ min, 1 idled 13+ min, 1 idled 14+ min, 1 idled 17+ min, 1 idled 20+ min and 1 idled 47+ min, total of 185 min of idling
Zone 3	3/23/2018	Friday	14:05	15:17	2	2	1	3	4		57		6	Partly Cloudy, 59F, Note the 4 vehicles observed idling 5+ min, 1 idled 5+ min, 1 idled 7+ min, 1 idled 13+ min and 1 idled 30+ min, total of 55 min of idling
Subtotal					7	5	1	3	34		405		73	
TOTALS					20	19	5	6	92		1244		222	142
Notes														
1. Survey area was the Couvington School entry/exit loop and first isle of parking. Survey takers were assigned specific zones and recorded activity within his or her assigned zone.														
2. Therefore, a specific car could have been recorded idling in more than one zone.														
3. Electric vehicle idling not included.														
3. Idling was only recorded during the noted survey times.														
4. An idling vehicle emits approximately 1.4g of CO2 per second, Reference Vanderbilt paper Article 4.1. Therefore, 104.5 kilograms of CO2 emission (1.4 x 60 x 1244 = 104,496) was observed														

Idling Survey Results														
Santa Rita School														
Revised 03/28/2018														
Location	Date	Day	Survey Start Time	Survey End Time	# Cars 1 Min Idl	# Cars 2 Min Idl	# Cars 3 Min Idl	# Cars 4 Min Idl	# Cars 5+ Min Idl	Survey Time	Idling Time Observed	Total Vehicles Waiting	Total Vehicles Idling 1+ min	Comments
Zone 1	3/26/2018	Monday	14:10	15:15	2	6	5	35			451			Sunny, 63F, Note the 35 vehicles observed idling 5+ min, 7 idled 5+min, 4 idled 6+ min, 2 idled 8+ min, 6 idled 9+ min, 2 idled 11+ min, 5 idled 12+ min, 5 idled 13+ min, 1 idled 15+ min, 3 idled 16+ min, 3 idled 17+ min, and 1 idled 19+ min, total of 409 48 min of idling
Zone 2	3/26/2018	Monday	14:10	15:15	1	3	5	1	6		113			Sunny, 63F, Note the 6 vehicles observed idling 5+ min, 1 idled 9+ min, 1 idled 12+ min, 1 idled 15+ min, 2 idled 16+ min and 1 idled 19+ min, total of 87 min of idling
Subtotal					1	5	11	6	41	65	564	100	64	
Zone 1	3/27/2018	Tuesday	14:10	15:15	1	3	5	3	20		195			Sunny, 68F, Note the 20 vehicles observed idling 5+ min, 2 idled 5+ min, 8 idled 6+ min, 2 idled 8+ min, 1 idled 9+ min, 5 idled 10+ min, and 2 idled 14+ min, total of 161 min of idling
Zone 2	3/27/2018	Tuesday	14:10	15:15	7	9	3	4	23		325			Sunny, 68F, Note the 23 vehicles observed idling 5+ min, 3 idled 6+ min, 3 idled 7+ min, 1 idled 8+ min, 1 idled 11+ min, 5 idled 12+ min, 3 idled 13+ min, 1 idled 15+ min, 3 idled 16+ min, 1 idled 17+ min, and 2 idled 19+ min, total of 275 min of idling
Zone 3	3/27/2018	Tuesday	14:10	15:15	5	2	1	1	9		162			Sunny, 68F, Note the 9 vehicles observed idling 5+ min, 1 idled 5+ min, 1 idled 6+ min, 2 idled 7+ min, 1 idled 11+ min, 1 idled 16+ min, 1 idled 17+ min, 1 idled 24+ min, and 1 idled 53+ min, total of 146 min of idling
Subtotal					13	14	9	8	52	65	682	149	96	

Idling Survey Results														
Santa Rita School														
Revised 03/28/2018														
Location	Date	Day	Survey Start Time	Survey End Time	# Cars 1 Min Idl	# Cars 2 Min Idl	# Cars 3 Min Idl	# Cars 4 Min Idl	# Cars 5+ Min Idl	Survey Time	Idling Time Observed	Total Vehicles Waiting	Total Vehicles Idling 1+ min	Comments
Zone 1	3/28/2018	Wednesday	14:05	15:15	4	5	5	4	41		327		59	Sunny, 78F, Note the 41 vehicles observed idling 5+ min, 9 idled 5+ min, 9 idled 6+ min, 11 idled 7+ min, 5 idled 8+ min, 4 idled 9+ min, and 3 idled 10+ min, total of 282 min of idling
Zone 2	3/28/2018	Wednesday	14:05	15:15	4	9	6	7	17		244		43	Sunny, 78F, Note the 17 vehicles observed idling 5+ min, 4 idled 5+ min, 2 idled 6+ min, 2 idled 8+ min, 1 idled 9+ min, 2 idled 12+ min, 1 idled 13+ min, 2 idled 14+ min, 1 idled 16+ min, 1 idled 17+ min, and 1 idled 21+ min, total of 176 min of idling
Zone 3	3/28/2018	Wednesday	14:05	15:15	4	4	3	3	9		169		23	Sunny, 78F, Note the 9 vehicles observed idling 5+ min, 1 idled 8+ min, 1 idled 10+ min, 1 idled 11+ min, 1 idled 12+ min, 1 idled 13+ min, 1 idled 16+ min, 1 idled 20+ min, 1 idled 21+ min and 1 idled 25+ min, total of 136 min of idling
Subtotal					12	18	14	14	67	70	740	129	125	
TOTALS					26	37	34	28	160	200	1986	378	285	
Notes	<p>1. Survey area was the Santa Rita School entry/exit loop. Survey takers were assigned specific zones and recorded activity within his or her assigned zone. Therefore, a specific car could have been recorded idling in more than one zone.</p> <p>2. Electric vehicle idling not included.</p> <p>3. Idling was only recorded during the noted survey times.</p> <p>4. An idling vehicle emits approximately 1.4g of CO2 per second, Reference Vanderbilt paper Article 4.1. Therefore, 166.8 kilograms of CO2 emission (1.4 x 60 x 1986 = 166,824) was observed</p>													

Idling Survey Results														
Blach Middle School														
Revised 04/05/2018														
Location	Date	Day	Survey Start Time	Survey End Time	# Cars 1 Min Idl	# Cars 2 Min Idl	# Cars 3 Min Idl	# Cars 4 Min Idl	# Cars 5+ Min Idl	Survey Time	Idling Time Observed	Total Vehicles Waiting	Total Vehicles Idling 1+ min	Comments
Zone 1	4/2/2018	Monday	14:40	15:30	8	2	2	2	5	5	77		17	Sunny, 73F, Note the 5 vehicles observed idling 5+ min, 2 idled 5+min, 1 idled 6+ min, 1 idled 18+ min, and 1 idled 23+ min, total of 57 min of idling
Zone 2	4/2/2018	Monday	14:40	15:30	2	4	1	1	5	5	45		12	Sunny, 73F, Note the 5 vehicles observed idling 5+ min, 2 idled 5+ min, 1 idled 6+ min, and 2 idled 8+ min, total of 32 min of idling
Zone 3	4/2/2018	Monday	14:40	15:30	2	1	1	1	1	1	13		5	Sunny, 73F, Note the 1 vehicle observed idling 5+ min, idled for 5+ min
Zone 4	4/2/2018	Monday	14:40	15:30	12	7	2	3	11	50	138	109	35	1 Sunny, 73F
Subtotal														
Zone 1	4/3/2018	Tuesday	14:45	15:30	4	6	3	2	2	2	45		13	Sunny, 70F, Note the 2 vehicles observed idling 5+ min, 1 idled 5+ min, and 1 idled 11+ min, total of 16 min of idling
Zone 2	4/3/2018	Tuesday	14:45	15:30	4	4	3	1	2	2	40		14	Sunny, 70F, Note the 2 vehicles observed idling 5+ min, 1 idled 7+ min, and 1 idled 8+ min, total of 15 min of idling
Zone 3	4/3/2018	Tuesday	14:45	15:30	4	12	8	4	8	45	82	103	40	Sunny, 70F, Note the 8 vehicles observed idling 5+ min, 1 idled 5+ min, 3 idled 6+ min, 1 idled 9+ min, 1 idled 11+ min, 1 idled 12+ min, and 1 idled 13+ min, total of 68 min of idling
Subtotal														
Zone 1	4/5/2018	Thursday	14:42	15:24	2	2	1	1	1	1	26		3	Overcast, 68F, Note the vehicle observed idling 5+ min, idled for 22+ min, total of 22 min of idling
Zone 2	4/5/2018	Thursday	14:42	15:24	2	2	2	2	6	6	59		8	Overcast, 68F, Note the 6 vehicles observed idling 5+ min, 1 idled 6+ min, 1 idled 7+ min, 1 idled 10+ min, 1 idled 11+ min, and 2 idled 12+ min, total of 58 min of idling

Idling Survey Results														
Blach Middle School														
Revised 04/05/2018														
Location	Date	Day	Survey Start Time	Survey End Time	# Cars 1 Min Idl	# Cars 2 Min Idl	# Cars 3 Min Idl	# Cars 4 Min Idl	# Cars 5+ Min Idl	Survey Time	Idling Time Observed	Total Vehicles Waiting	Total Vehicles Idling 1+ min	Comments
Zone 3	4/5/2018	Thursday	14:42	15:24	1	2	1	1	2		37		4	Overcast, 68F, Note the 2 vehicles observed idling 5+ min, 1 idled 8+ min, and 1 idled 24+ min, total of 32 min of idling
Subtotal					3	2	1	1	9	42	122	85	15	
TOTALS					19	21	10	8	32	137	427	297	90	
Notes														
1. Survey area was the Blach Middle School entry/exit loop. Survey takers were assigned specific zones and recorded activity within his or her assigned zone. Therefore, a specific car could have been recorded idling in more than one zone.														
2. Electric vehicle idling not included.														
3. Idling was only recorded during the noted survey times.														
4. An idling vehicle emits approximately 1.4g of CO2 per second, Reference Vanderbilt paper Article 4.1. Therefore, xxx kilograms of CO2 emission (1.4 x 60 x yyy = zzzzzz) was observed														

Idling Survey Results														
Gardner-Bullis School														
Revised 04/18/2018														
Location	Date	Day	Survey Start Time	Survey End Time	# Cars 1 Min Idl	# Cars 2 Min Idl	# Cars 3 Min Idl	# Cars 4 Min Idl	# Cars 5+ Min Idl	Survey Time	Idling Time Observed	Total Vehicles Waiting	Total Vehicles Idling 1+ min	Comments
Zone 1	4/16/2018	Monday	14:05	15:15	2	5	6		20		217		33	Showers, 55F, Note the 20 vehicles observed idling 5+ min, 6 idled 5+min, 3 idled 6+ min, 4 idled 8+ min, 1 idled 11+ min, 1 idled 12+ min, 3 idled 16+ min, and 2 idled 18+ min, total of 187 min of idling
Zone 2	4/16/2018	Monday	14:05	15:15	5	5	10		7		122		27	Showers, 55F, Note the 7 vehicles observed idling 5+ min, 1 idled 5+min, 3 idled 11+ min, and 3 idled 13+ min, total of 77 min of idling
Zone 3	4/16/2018	Monday	14:05	15:15	7	10	19	3	10	70	454	133	73	Showers, 55F, Note the 10 vehicles observed idling 5+ min, 2 idled 5+min, 1 idled 6+ min, 1 idled 8+ min, 2 idled 9+ min, 1 idled 10+ min, 2 idled 11+ min, and 1 idled 32+ min, total of 106 min of idling
Subtotal														
Zone 1	4/17/2018	Tuesday	14:25	15:20	3	4	4	3	11		143		25	Sunny, 65F, Note the 11 vehicles observed idling 5+ min, 1 idled 5+ min, 3 idled 6+ min, 1 idled 8+ min, 1 idled 9+ min, 1 idled 10+ min, 1 idled 11+ min, 1 idled 14+ min,
Zone 2	4/17/2018	Tuesday	14:25	15:20	2	1	4	7	7		83		21	Sunny, 65F, Note the 7 vehicles observed idling 5+ min, 6 idled 5+ min, and 1 idled 8+ min, total of 38 min of idling
Subtotal					5	5	8	10	18	55	226	104	46	
Zone 1	4/18/2018	Wednesday	14:30	15:15	4	8	3	5	13		181		33	Overcast, 58F, Note the 13 vehicles observed idling 5+ min, 4 idled 5+ min, 2 idled 7+ min, 1 idled 8+ min, 1 idled 10+ min, 1 idled 12+ min, 1 idled 13+ min, 1 idled 16+ min, 1 idled 19+ min, and 1 idled 20+ min, total of 132 min of idling

Idling Survey Results														
Gardner-Bullis School														
Revised 04/18/2018														
Location	Date	Day	Survey Start Time	Survey End Time	# Cars 1 Min Idl	# Cars 2 Min Idl	# Cars 3 Min Idl	# Cars 4 Min Idl	# Cars 5+ Min Idl	Survey Time	Idling Time Observed	Total Vehicles Waiting	Total Vehicles Idling 1+ min	Comments
Zone 2	4/18/2018	Wednesday	14:30	15:15	3	6	14	3	5	26	13	150	22	Overcast, 58F, Note the 13 vehicles observed idling 5+ min, 1 idled 7+ min, 4 idled 9+ min, 3 idled 10+ min, 4 idled 11+ min, and 1 idled 18+ min, total of 135 min of idling
Subtotal					7	14	3	5	26	45	331	96	55	
TOTALS					19	29	30	15	81	170	1011	333	174	
Notes														
1. Survey area was the Gardner-Bullis School entry/exit loop. Survey takers were assigned specific zones and recorded activity within his or her assigned zone. Therefore, a specific car could have been recorded idling in more than one zone.														
2. Electric vehicle idling not included.														
3. Idling was only recorded during the noted survey times.														
4. An idling vehicle emits approximately 1.4g of CO2 per second, Reference Vanderbilt paper Article 4.1. Therefore, 85 kilograms of CO2 emission (1.4 x 60 x 1011 = 84,924) was observed.														

Environmental Commission Green Building Subcommittee Report

Commissioners: Halkola, Tekslar, Yuan

June 2017

Purpose

To investigate potential voluntary measures the City of Los Altos could encourage in new Residential (single and multi-family) and Commercial buildings.

Background

The State of California has a comprehensive Green Building Standards Code known as CALGreen (Part II of Title 24). This code focuses on measures in five categories; Planning & Design, Energy Efficiency, Water Efficiency & Conservation, Material Conservation & Resource efficiency and Environmental Quality. There is an extensive list of mandatory items required for both residential and non-residential new buildings, effective as of 1/1/17. In addition, there are several other measures that may be adopted by local governments called voluntary Tier I and Tier II measures.

There are also several voluntary rating systems which, prior to CALGreen, cities adopted as their green building code. The Leadership in Energy and Environmental Design (LEED) system developed by the US Green Building Council outlines specific green building practices or design elements in addition to prerequisite practices that builders apply to accrue points toward different levels. While there is a LEED for homes, LEED is typically used to rate larger commercial buildings. The GreenPoint Rated (GPR) system developed by Build It Green has a similar approach to LEED but focuses on residential development, with separate single- and multi-family guidelines. LEED and GPR were adopted by many local jurisdictions to advance green building. The California Green Builder program developed by the California Building Industry Association combines prescriptive measures with performance-based verification.

Focus Measures

Our subcommittee's approach was to focus on measures that would have relatively high and long-term environmental benefits while being less complex to implement and verify. The State already has a goal of achieving Zero Net Energy for all new residential buildings by 2020 and for all commercial buildings by 2030 and has adopted rigorous energy efficiency standards to achieve this. Therefore, the subcommittee did not focus on additional energy efficiency measures, except where they would facilitate less reliance on natural gas and more on electricity, thereby promoting the greatest reduction in carbon emissions since Los Altos' electricity will be carbon-free. We also singled out a few areas that seem to be particularly important given energy and electric vehicle (EV) usage Los Altos, including pool-related measures and increasing EV charging capacity.

Deconstruction

Definition

Disassemble existing buildings for reuse or recycling of building materials instead of demolishing and landfilling building waste.

CALGreen Standards

Requirements and Tier I/II for waste diversion (no requirement for deconstruction).

Mandatory Residential: 60% waste diversion: Tier 1 = 65%, Tier II=75%

Mandatory Non-Residential: 65% diversion.

Fiscal impact: Roughly double cost from demolition; tax credit for donated materials.

Environmental Benefit: Reduced landfill waste and increased reuse of materials.

Recommendation: Require deconstruction for residential constructions and encourage deconstruction for nonresidential constructions.

Cool Roofs/Solar Reflectance Index Alternative (SRI)

Definition

Use roofing materials with a minimum aged solar reflectance and thermal emittance/minimum aged Solar Reflectance Index.

CALGreen Standards

<i>Tier I</i>	Roof Slope < 2:12	Roof Slope > 2:12
Residential	SRI 78	SRI 20
Non-Residential	SRI 64	SRI 16

Fiscal impact: \$0.75-\$1.50 per square foot for cool-roof coating and average yearly net savings of ~ \$0.50 per square foot.*

Environmental Benefit: Reduces building energy use and heat island effect.

Recommendation: Encourage adoption of Tier I.

*<https://www.epa.gov/heat-islands/using-cool-roofs-reduce-heat-islands>

Solar PV/Water Heating

Definition

Install photovoltaic or solar water heating system.

CALGreen Standards

Residential: Elective Zero Net Energy design (relies on on-site renewable energy generation to achieve zero Energy Design Rating)

Non-Residential: Tier I/II for restaurant install solar water-heating system.

Fiscal impact: Varies depending on size of system and lease vs. purchase options.

Environmental Benefit: Reduces grid electricity and/or gas demand.

Recommendation: Require residential construction to have solar-ready infrastructure – including a dedicated solar zone on the roof of no less than 500 square feet and install conduit extending from roofline and terminating at the electrical panel.

Swimming Pool Measures

Definition

Install automatic pool covers and two-speed/variable speed pool pumps.

CALGreen Standards

Not included in CALGreen

Fiscal impact: Automatic pool covers cost \$5-15 K. Variable speed pumps save an average of \$500 per year in electricity and are a few hundred dollars more expensive to install than single-speed pumps.

Environmental Benefit: Pool covers reduce water evaporation and provide passive heating during summer/warm months. Variable speed pumps reduce pool pump energy use by 50-75%.**

Recommendation: Require installation of automatic pool covers and/or variable speed pool pumps.

** <http://www.nrel.gov/docs/fy12osti/54242.pdf>

100% Electric Buildings

Definition

All energy requirements of building occupants are met with electricity (no natural gas).

CALGreen Standards

Not included in CALGreen

Fiscal impact: Potential for reduced operating cost for building.

Environmental Benefit: Eliminates energy-related carbon emissions by relying solely on carbon-free electricity from SVCE or onsite renewable energy generation.

Recommendation: Require space or water heating to be electric (heat pump). Encourage 100% electric buildings.

Hot Water Recirculation System

Definition

Install demand hot water recirculation system.

Standards

Residential: No mandatory. Voluntary=equipped with demand hot water recirculation system

Fiscal impact: Demand pump ~\$200. (Compared to the cost of continuous recirculation ~\$500 per year in increase water heating and electricity use.)

Environmental Benefit: Energy efficiency and water conservation

Recommendation: Encourage installation of demand (preferably button-hot water recirculation systems) and prohibit continuous recirculation pumps, even those on timers.

Dual Piping/Graywater Irrigation System

Definitions

- Piping installed to permit future use of graywater irrigation system served by clothes washer or other fixtures.
- Install a graywater collection system for onsite subsurface irrigation using graywater collected from bathtubs, showers, bathroom sinks & laundry water.

CALGreen Standards

Residential: Voluntary measure to install piping or use graywater

Non-Residential: Graywater/rainwater in landscape areas

Fiscal impact: Laundry to Landscape \$1,000-3,000 and ~\$150/year water/sewer savings.

Environmental Benefit: Reduce use of potable water and reduce wastewater generation.

Recommendation: Encourage installation of dual piping or graywater irrigation system.

EV Charging/Readiness

Definition

Install a dedicated 208/240 branch circuit. Facilitate EV charging capability by installing raceways for future EV supply equipment by pre-installing infrastructure to allow charging stations can be easily added later.

CALGreen Standards

Residential: Tier I/II: dedicated branch circuit.

Non-Residential: Mandatory, varies based on # spaces, Tier I=8% spaces, Tier II=12%

Fiscal impact:

Environmental Benefit: No direct impact but enables reduced vehicle emissions.

Recommendation: Require Electric vehicle supply equipment (EVSE)-ready outlet or charger or panel capacity and conduit for future installation. Encourage adoption of Tier II non-residential standard.

- *Reference:* https://www.opr.ca.gov/docs/Example_Building_Codes.docx (sample building codes)

Upgrade Electric Service Panel

Definition

Provide 200 Amp service to home.

CALGreen Standards

Not included in CALGreen

Fiscal impact: ~30% more expensive than 100 Amp service; one-time cost.

Environmental Benefit: No direct impact but accommodates increased EV ownership and demand and enables electrification of home, including additional electric vehicle charging and an increase in the number of heat pumps for space and water heating.

Recommendation: Encourage installation/upgrade to 200 Amp service

Other Measures

Some of the other measures included in CALGreen that we chose not to investigate are listed below.

- Recycled content of building materials (Res Tier 1 = 10%, II=15%)
- Topsoil reuse

- VOC/Formaldehyde content of flooring/insulation
- Rainwater Catchment (Res voluntary = use rainwater generated on 65% of roof)
- Energy Efficiency
- Water Efficiency (Non-Res Tier I=12%. II=20% savings)
- Eliminate potable water for landscaping (rainwater capture, recycled water, graywater)
- Reduce use of cement (Res Tier I = 20% reduction in foundation, II = 25% reduction)
- Permeable paving (Res Tier I = 20% or greater of hardscape; Tier II = 30%)

Incentives

Following are examples of incentives used by other cities to encourage adoption of voluntary measures:

- Expedited permit processing/Priority permitting
- Fee waivers
- Height/FAR waivers
- Rebates (eg for solar panels)
- City recognition/plaque

Next steps:

1. Present report to full Commission for discussion
2. Send report to staff for review and comments as to feasibility of measures
3. Include in Work Plan report to Council at Joint meeting



333 W El Camino Real, Ste. 290 | Sunnyvale, CA 94087 | SVCleanEnergy.org | 1-844-474-SVCE

Rob Rennie, Chair
Town of Los Gatos

April 30, 2018

Daniel Harney, Vice Chair
City of Gilroy

Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105

Liz Gibbons
City of Campbell

Re: *2018 Climate Protection Grant Program, Reducing GHGs from Existing Buildings*

Rod Sinks
City of Cupertino

Dear Air District staff,

Jeannie Bruins
City of Los Altos

As a project partner, the [partner name] is pleased to provide this letter of support for Silicon Valley Clean Energy (SVCE)'s proposal in response to the 2018 Climate Protection Grant Program. Our [City/Town] has prioritized reducing fossil fuel usage via beneficial fuel switching. SVCE is playing a critical role, aggregating member agency interests to develop cross-community programs for electrification, including expansion of the heat pump water heater (HPWH) market.

Courtenay C. Corrigan
Town of Los Altos Hills

SVCE supplies carbon-free electricity to thirteen member communities in Silicon Valley, resulting in community-wide emissions reductions of approximately 15-20%. Follow-on priorities are electrification in the built environment and transportation. Water heaters powered by fossil fuels now generate approximately 40% of emissions attributable to home energy use.

Marsha Grilli
City of Milpitas

Many barriers exist that hinder the effort to convert homes from gas-fired water heaters to HPWH, including:

Burton Craig
City of Monte Sereno

- limited customer awareness
- lack of contractor experience and promotion
- longer installation time
- necessary electrical work
- overall cost

Steve Tate
City of Morgan Hill

SVCE's proposed initiative addresses these issues in a comprehensive fashion, by:

Margaret Abe-Koga
City of Mountain View

- establishing a clear value proposition to customer on the benefits of electrification
- providing education and equipment to the contractor community
- addressing first-cost issue through a cost-neutral (vs gas) incentive structure
- supporting permit cost and structure simplifications

Dave Cortese
County of Santa Clara

Howard Miller
City of Saratoga

Nancy Smith
City of Sunnyvale

As this effort aligns with our carbon reduction goals, we commit to promoting the initiative through our existing channels and supporting additional workshops at our permitting agencies. Further, we will evaluate our HPWH permitting process to ensure a proper balance of safety, simplicity, and pricing.



333 W El Camino Real, Ste. 290 | Sunnyvale, CA 94087 | SVCleanEnergy.org | 1-844-474-SVCE

Rob Rennie, Chair
Town of Los Gatos

The multi-faceted nature of SVCE's approach will help ensure that the HPWH initiative is successful. By addressing known barriers, the plan is both ambitious and well-grounded. It establishes an important pathway for meeting our long-term commitment to decarbonizing the built environment. In addition, we are heartened by SVCE's effort to address the new construction segment to complement the grant's focus on existing buildings.

Daniel Harney, Vice Chair
City of Gilroy

Liz Gibbons
City of Campbell

As [partner name] already benefits from carbon-free electricity via SVCE, we look forward to contributing on this and additional decarbonization efforts.

Rod Sinks
City of Cupertino

Sincerely,

Jeannie Bruins
City of Los Altos

[Name], [Title]
[Partner Agency]

Courtenay C. Corrigan
Town of Los Altos Hills

Marsha Grilli
City of Milpitas

Burton Craig
City of Monte Sereno

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