



City of Sunnyvale

Notice and Agenda - Final

Sustainability Commission

Wednesday, October 24, 2018

7:00 PM

Community Center - Neighborhood Room,
550 E. Remington Dr., Sunnyvale

Special Meeting

CALL TO ORDER

SALUTE TO THE FLAG

ROLL CALL

ORAL COMMUNICATIONS

This category provides an opportunity for members of the public to address the commission on items not listed on the agenda and is limited to 15 minutes (may be extended or continued after the public hearings/general business section of the agenda at the discretion of the Chair) with a maximum of up to three minutes per speaker. Please note the Brown Act (Open Meeting Law) does not allow commissioners to take action on an item not listed on the agenda. If you wish to address the commission, please complete a speaker card and give it to the Recording Secretary. Individuals are limited to one appearance during this section.

CONSENT CALENDAR

[18-0936](#) Approve the Sustainability Commission Meeting Minutes of September 17, 2018

Recommendation: Approve the Sustainability Commission Minutes of September 17, 2018 as submitted.

PUBLIC HEARINGS/GENERAL BUSINESS

[18-0937](#) 2019 Sustainability Speaker Series Recommendations

[18-0939](#) Draft 2019 Annual Master Work Plan

STANDING ITEM: CLIMATE ACTION PLAN (CAP 2.0) UPDATE

STANDING ITEM: CONSIDERATION OF POTENTIAL STUDY ISSUES[18-0734](#)

Environmentally Preferable Purchasing Policy

[18-0826](#)

Addressing Non-Recyclables in Recycling Carts

NON-AGENDA ITEMS & COMMENTS**-Commissioner Comments****-Staff Comments****ADJOURNMENT***Notice to the Public:*

Any agenda related writings or documents distributed to members of this meeting body regarding any item on this agenda will be made available for public inspection in the Environmental Services Department located at 1444 Borregas Avenue, Sunnyvale or can be accessed through the Office of the City Clerk located at 603 All America Way, Sunnyvale during normal business hours and in the meeting location on the evening of the Sustainability Commission meeting, pursuant to Government Code §54957.5.

Agenda information is available by contacting Nupur Hiremath at (408) 730-7743. Agendas and associated reports are also available on the City's website at sunnyvale.ca.gov or at the Sunnyvale Public Library, 665 W. Olive Ave., Sunnyvale, 72 hours before the meeting.

Pursuant to the Americans with Disabilities Act, if you need special assistance in this meeting, please contact Nupur Hiremath at (408) 730-7743. Notification of 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting. (28 CFR 35.160 (b) (1))



City of Sunnyvale

Agenda Item

18-0936

Agenda Date: 10/24/2018

SUBJECT

Approve the Sustainability Commission Meeting Minutes of September 17, 2018

RECOMMENDATION

Approve the Sustainability Commission Minutes of September 17, 2018 as submitted.



City of Sunnyvale

Meeting Minutes - Draft

Sustainability Commission

Monday, September 17, 2018

7:00 PM

West Conference Room, City Hall, 456 W.
Olive Ave., Sunnyvale, CA 94086

CALL TO ORDER

Chair Paton called the meeting to order at 7:00 p.m. in the West Conference Room.

SALUTE TO THE FLAG

Chair Paton led the salute to the flag.

ROLL CALL

Present: 7 - Chair Bruce Paton
Vice Chair Kristel Wickham
Commissioner Dan Hafeman
Commissioner Douglas Kunz
Commissioner Stephen Joesten
Commissioner Shana Padgett
Commissioner Steven Zornetzer

Council Liaison – Gustav Larsson (present)

Commissioner Padgett arrived at 7:02 p.m.

PRESENTATION

[18-0828](#) PRESENTATION - City of Sunnyvale Vehicle-Miles-Traveled Reduction Strategies

Chip Taylor, Director of the Department of Public Works, provided an overview of the City's vehicle miles traveled (VMT) reduction strategies. The Commission asked questions and Mr. Taylor provided information regarding the City's policies for parking reduction, speed limit regulation, complete streets, and transportation demand management (TDM) strategies. Mr. Taylor shared that staff would begin updating the City's integrated Bicycle, Pedestrian, and Safe Routes to School Plan beginning in fall 2018.

Chair Paton opened the public hearing.

Tim Oey, Sunnyvale resident, emphasized the importance of having accurate data on total miles of streets with complete bicycle lanes. He also noted that street design elements to reduce speeds (e.g., bumps, curves, narrowing) make the streets safer and encourage more people to ride bicycles.

John Cordes, Sunnyvale resident, noted that a key way to reduce VMT is to increase housing in Sunnyvale and reduce longer distance commutes. He also noted the importance of boosting school bus ridership for safer commutes and reducing VMT and of shifting the responsibility of commute VMT reduction to employers.

Chair Paton closed the public hearing.

ORAL COMMUNICATIONS

Tim Oey, Sunnyvale resident, shared that he was running Santa Clara County's bicycle training program as a cycling instructor. He also shared that Sunnyvale had, without providing a reason, decided to disband the Safe Routes to School (SRTS) community collaborative group formed by the County's Department of Public Health, which he believes was a setback in encouraging participation in SRTS.

Susan Bremmond, Sunnyvale resident, observed that Amazon shipping uses packing pillows, which cannot be recycled in Sunnyvale and urged the City and the Commission to encourage Amazon to use more sustainable packaging.

CONSENT CALENDAR

[18-0827](#) Approve the Sustainability Commission Meeting Minutes of August 20, 2018

Commissioner Hafeman pulled the minutes of the August 20, 2018, noting that the word "seconded" was missing from when he seconded the SI on a single-use plastics ban.

Commissioner Padgett noted that her name was mis-spelled in the voting record.

Vice Chair Wickham moved, and Commissioner Joesten seconded, a motion to approve the consent calendar as amended. The motion carried by the following vote:

Yes: 7 - Chair Paton
Vice Chair Wickham
Commissioner Hafeman
Commissioner Kunz
Commissioner Joesten
Commissioner Padget
Commissioner Zornetzer

No: 0

STANDING ITEM: CLIMATE ACTION PLAN (CAP 2.0) UPDATE

Vice Chair Wickham shared that there were no further updates on the CAP 2.0 timeline. Staff noted that the CAP 2.0 document would be released for public review later this fall and would share a timeline when available.

Chair Paton opened the public hearing.

No comments.

Chair Paton closed the public hearing.

STANDING ITEM: CONSIDERATION OF POTENTIAL STUDY ISSUES

[18-0276](#) Draft Study Issue: Mobility Strategy to Increase Transparency of Transportation Policies and Reduce Sunnyvale GHG emissions

Chair Paton stated that he had revised the Study Issue to reflect that the City needs a greater engagement in planning at the regional scale. This Study Issue would holistically approach the problem of transportation without focusing on selected strategies. He noted that the City needed a more collaborative approach to work with private sector to identify which TDM strategies were most effective. He noted it was worth including Vice Chair Wickham's suggestion to include autonomous vehicles in the Mobility Strategy.

Chair Paton opened the public hearing.

No comments.

Chair Paton closed the public hearing.

Commissioner Kunz moved, and Commissioner Padgett seconded, a motion to forward this Study Issue to Council. The motion carried by the following vote:

Yes: 7 - Chair Paton
Vice Chair Wickham
Commissioner Hafeman
Commissioner Kunz
Commissioner Joesten
Commissioner Padgett
Commissioner Zornetzer

No: 0

[18-0736](#) Draft Study Issue: Reduce GHG Emissions from All Residential and Non-Residential Construction

Commissioner Kunz explained that this Study Issue essentially targeted electrification of buildings. He observed that the GreenPoint Rated certification system by Build It Green included Measure J5.1 which required homes meet the All Electric Compliance option.

Chair Paton opened the public hearing.

No comments.

Chair Paton closed the public hearing.

Commissioner Zornetzer noted that this Study Issue is very synergistic with the Study Issue previously sponsored by the Commission entitled "Require New Non-Residential Construction to Achieve Significant Improvements in Building Energy Performance." Commissioner Joesten agreed that an emphasis on incentives rather than mandates is important.

Commissioner Kunz moved, and Commissioner Joesten seconded, a motion to forward this Study Issue to Council. The motion carried by the following vote:

Yes: 7 - Chair Paton
Vice Chair Wickham
Commissioner Hafeman
Commissioner Kunz
Commissioner Joesten
Commissioner Padget
Commissioner Zornetzer

No: 0

[18-0824](#) Single Use Plastics Strategy

Commissioner Wickham provided an overview of the Study Issue highlighting that several cities in California have implemented a single-use plastics ban. Elements of the Study Issue included: types of single-use plastics to be addressed; availability and cost of non-plastic alternatives; costs and methods for implementation; and an assessment of community and business support.

Chair Paton opened the public hearing.

Kim Jelfs, Sunnyvale resident, shared that she had done research into this topic as well as on a ban on the use of straws. She stated there were concerns that the State Bill requiring that straws should be provided only upon request may not be signed. She encouraged the Commission to seriously consider this Study Issue rather than waiting for State action.

Tim Oey, Sunnyvale resident, is doing a coast-to-coast run to educate people on the pollution caused by single-use plastics. He noted that manufacturers should be responsible for the products they put out.

Chair Paton closed the public hearing.

Commissioner Kunz noted it may be worthwhile considering rephrasing the Study Issue to penalize rather than ban the use of plastic bags, to add some flexibility. Chair Paton suggested revising the title to reflect the range of alternatives appropriate for diminishing the use of single-use plastics. Commissioner Hafeman suggested rephrasing to identify the group of possible plastics and to identify bans that are easier to implement (e.g., straws and stirrers) versus those that are harder to implement. Commissioner Zornetzer suggested including a phased approach to implementation, to address easier items initially and eventually move to more challenging items.

Commissioner Padgett moved, and Commissioner Joesten seconded, a motion that the Commission sponsor this Study Issue, as amended. The motion carried by the following vote:

Yes: 7 - Chair Paton
Vice Chair Wickham
Commissioner Hafeman
Commissioner Kunz
Commissioner Joesten
Commissioner Padgett
Commissioner Zornetzer

No: 0

[18-0734](#) Environmentally Preferable Purchasing

Vice Chair Wickham provided her overview of this Study Issue, which would include elements to cover aspects of the City's purchasing decisions without involving a calculation of carbon cost.

Nupur Hiremath, Sustainability Coordinator, shared that the City is already considering updating its existing Environmentally Preferable Purchasing Policy (EP3) and would bring it to the Commission for review and action in 2019.

The Commission agreed that Vice Chair Wickham should draft this Study Issue so that its elements can be evaluated against the new EP3 when presented to the Commission at a later date.

[18-0735](#) Potential Study Issue: Developer Carbon Impact Fees

Chair Wickham noted that following the presentation on transportation programs by the Director of Public Works, this Study Issue was more prescriptive in its approach than the otherwise flexible incentive-based approach the City follows. Chair Paton proposed including this concept as an addition to the Study Issue on Reducing GHG Emissions from All Residential and Non-Residential Construction.

[18-0825](#) Potential Study Issue: Evaluation of a Parking Pricing Program

Commissioner Joesten shared an overview of this Study Issue to require paid parking program for Sunnyvale employers to target transportation emissions from commuters into Sunnyvale. He observed that employers could consider excluding carpools or electric vehicles from the paid parking requirement. The Commission

discussed advantages and disadvantages of paid parking and agreed that a Study Issue on this topic was not needed at the moment.

18-0826 Addressing Non-Recyclables in Recycling Carts

Commissioner Kunz stated that the objective of this Study Issue was to ensure that the City adequately monitors the degree of contamination of recyclables in Sunnyvale. Commissioner Kunz shared that there was an organization called Recycle Across America that creates labels that can be standardized and used across organizations to encourage correct recycling.

Ms. Hiremath shared that the City's Environmental Services Department assesses the contamination in the recycling collected communitywide in Sunnyvale roughly 2-3 times per year. She noted that Sunnyvale's contamination levels were 12-15%, which is lower than in most communities. Staff recently released a list of "dirty dozen," which were the top 12 most commonly found contaminants in the recycling. Staff is planning to have more concerted campaign efforts around education for this topic in 2019. Commissioner Kunz asked that staff share this data publicly.

NON-AGENDA ITEMS & COMMENTS

-Commissioner Comments

Commissioner Joesten shared that he had attended a meeting of the Moffett Park Business Group, where he had learned that the Cupertino Chamber of Commerce is sponsoring a public-private partnership to develop an aerial roadway connecting key locations in San Jose, Cupertino, Mountain View, and San Jose airport to support autonomous-only vehicles.

Commissioner Wickham shared that she presented public comments on behalf of the Commission at a Council Meeting on August 28, 2018 to urge Council to sign a petition to Governor Brown to phase out the use of fossil fuels. She noted that Council is considering whether the new City Hall building should be LEED-Platinum or Zero Net Energy. She also attended several Global Climate Action Summit events related to transportation and energy and shared their highlights. She also shared that she attended a public outreach meeting on the City's Green Building Program Update where changes to the program appeared to be incremental.

Commissioner Paton expressed that he was pleased that the proposed design of the City Hall building including almost all the sustainable elements that the Commission had asked for. Chair Paton also shared that the Homestead High School's Future Business Leaders of America group was awarded the Environmental Achievement Award at the State of the City. He also attended Global

Climate Action Summit affiliate events.

Commissioner Padgett shared that she attended Parachutes for the Planet event at the Community Center earlier this evening. She also shared that she had listened to a podcast on how greener neighborhoods are also those with lower crime and observed that a holistic approach is necessary.

Commissioner Kunz stated that he attended the Coastal Cleanup Day with the Cub Scouts group and shared that volunteers collected more than 1,300 pounds of trash by the creek near the Water Pollution Control Plant. He also noted that he was disappointed about the incremental changes in the proposed Green Building Program Update.

-Staff Comments

Nupur Hiremath, Sustainability Coordinator, noted that the October agenda would include the draft 2019 Sustainability Speaker Series proposal and Study Issues. She noted there were several upcoming events of interest, including: (1) the Sustainability Speaker Series event, "The Power of Stuff" by Annie Leonard, on September 26 at 7:00 p.m.; (2) the Sunnyvale Tech Expo on September 27 at 11:30 a.m.; and (3) the Green Building Program update outreach meetings (tentative) on October 15 at 9:00 a.m. and October 17 at 6:00 p.m.

INFORMATION ONLY REPORTS/ITEMS

[18-0732](#) Proposed Study Issue: Require New Non-Residential Construction to Achieve Significant Improvements in Building Energy Performance

[18-0733](#) Proposed Study Issue: Encourage Adoption of Electric Vehicles

ADJOURNMENT

The meeting was adjourned at 10:05 p.m.



City of Sunnyvale

Agenda Item

18-0937

Agenda Date: 10/24/2018

2019 Sustainability Speaker Series Recommendations

2019 Sustainability Speaker Series Proposal

Prepared by the Sustainability Commission

September 2018

2019 SERIES THEME AND TOPICS

This following proposal from the Sustainability Commission is for the 2019 Sustainability Speaker Series (2019 Series). Four events will be selected from the six proposed. Final speakers and dates will depend on speaker availability and city schedules. The proposed theme for the next year is “Community Solutions” consistent with the Council Priority for Accelerating Climate Action adopted in 2017.

The topics of this proposal are relevant to residents and businesses in Sunnyvale and are meant to both educate and motivate. The Sustainability Commission has proposed topics and ranked them in priority order as shown in the first column of the following table. The table also lists potential event titles, speakers, and a brief description of the speaker’s talk.

Priority Rank	Topic	Event Title	Potential Speaker	Description
TBD	Electric Vehicles	Is an Electric Vehicle Right for You?	Panel Jane Rosten Marc Geller, Jim Berberra, Sven Thiesen	Everything you need to know to choose an Electric Vehicle. - Available models, Costs and savings, how to charge, battery end of life, environmental benefits, taking trips, charging networks, lease vs. buy View EVs before the event and talk to their owners. Sign up for a ‘ride and drive’. Take home a sheet of resources you can use when shopping for an EV.
TBD	Youth focused – Carbon Footprint	Every Step you Take – What is your carbon footprint ?	Speaker TBD + TED style talks by youth	Learn how to calculate your carbon footprint and compare it to the average for Sunnyvale, California, US and the world. Learn key steps you can take to reduce your annual carbon emissions through choices in food, transportation, energy, water, and resources. Listen to selected youth TED style talks about environmental concerns.
TBD	Recycling	Recycling – Beyond the Triangle	Speaker TBD	Learn about the city’s waste diversion at the SMART station, what’s happening with plastics and paper recycling, how you can refine your recycling habits, and better yet, how to reduce and re-use so you don’t need to recycle. Where do Sunnyvale’s recyclables go? What new innovations are coming in recycling?

Priority Rank	Topic	Event Title	Potential Speaker	Description
TBD	Water	Water Wise	Speaker Peter Drekmeier	Where does Sunnyvale water come from? How does it get here and how pure is it? What environmental challenges are created along the way? What are the challenges in balancing water supply for a growing community with environmental restoration? Learn about solutions, such as water conservation and alternative sources that are becoming available. Learn how people can be part of the solutions to support water quality, security, conservation, and resilience. Water quality and bottled water. - New technologies for water conservation, rain capture, potable re-use and irrigation (residential, commercial, agriculture)
TBD	Parking	Traffic, Parking and Climate, Oh My!	Speaker Patrick Siegman or Jeff Tumlin	It turns out parking isn't free. And space required for parking contributes to increased traffic congestion. To ease traffic and reduce carbon emissions, the speaker recommends that cities (1) charge fair market prices for parking, (2) spend the revenue to benefit neighborhoods, and (3) remove off-street minimum parking requirements.
TBD	CAP 2.0	Meet the CAP 2.0	City Staff and CAP 2.0 Consultants	Introduction to the CAP 2.0 framework, and how to engage and support the progress to 80% reduction in Sunnyvale's Greenhouse Gas Emissions.

COSTS

The remaining budget available for FY 2018-2019 after the last event in the 2018 series will be approximately \$3,000. The budget covers speaker fees and travel costs, refreshments, video recording, and staff time for event planning and promotion. For the FY 2018-2019 series, one prominent and well known speaker took the majority of the budget. Costs for staff time to coordinate the higher paid speaker were also significant. Events held in the second half of calendar year 2019 will come from the FY 2019-2020 budget expected to be renewed at \$26,000.

SCHEDULING

Four events will be spaced approximately every two to three months, coordinated by staff in consideration of speaker availability, staff time, budget, and other City events. Scheduling in the first three months of 2019 may be constrained due to staff focus on CAP 2.0.

VENUE

Council Chambers has served well for past events and has allowed for live broadcast on K-SUN TV as well as recording for later viewing. Other venues including the Sunnyvale Community Theater (capacity: 200) and the Orchard Pavilion at the Community Center (capacity: 300) are considered when a larger audience is expected.

PUBLICITY

The promotion and marketing of events will be the similar to the 2017 and 2018 series. It will include social media, email blasts, Sunnyvale Sun ads, and flyers posted at community businesses. The Sustainability Commission will also identify additional avenues for outreach to local schools, colleges and universities as well as the business/tech community. Based on data from previous events, and the ability to accommodate overflow in an adjacent conference room or lobby, it is recommended to 'overbook' future events by the percentage that book but do not attend historically.

REFRESHMENTS

Refreshments will be continued with a zero-waste goal.

VIDEO RECORDINGS

Each event will be videotaped and made available on the Community TV channel as well as on a corresponding City website. When/if the venue is changed, some funding and coordination may be needed for video recording services. We recommend continuing to post the event videos on a website accessible through the City's Sustainability page.

COMMUNITY FEEDBACK

Event evaluation surveys will be administered, as done in the past two Series, to collect feedback from attendees to identify any improvements and to address the interests and needs of the community.



City of Sunnyvale

Agenda Item

18-0939

Agenda Date: 10/24/2018

Draft 2019 Annual Master Work Plan

2019 Master Work Plan – **WORKING DRAFT**

Sustainability Commission Annual Calendar

MEETING DATE	AGENDA ITEM/ISSUE
January 16	•
February 20	• Commissioner Presentation
March 19	• Climate Action Playbook Final Recommendation
April 16	• Update on Climate Action Plan 1.0 implementation (selected items)
May 21	• Review Recommended Budget
June 18	• Recognition of Service • Commissioner Presentation
July 16	• Selection of Chair and Vice Chair • Update on Climate Action Plan 1.0 implementation (selected items)
August 20	• Review and Discuss Draft Study Issues • Draft Proposal for 2020 Sustainability Speaker Series • Commissioner Presentation
September 17	• Review and Discuss Draft Study Issues
October 15	• CAP 2.0 Draft Framework Presentation • Draft 2019 Master Work Plan • Commissioner Presentation
November 19	• Approve 2020 Annual Master Work Plan • Update on Climate Action Plan 1.0 implementation (selected items)
December 17	• Annual Review of Code of Ethics and Conduct for Elected and Appointed Officials • Study Issues Ranking

Additional items to be scheduled:

- Study Issues ranking date to be determined based on 2019 Study Issues Workshop date
- Green Building Program Update (staff presentation)
- Environmentally Preferable Purchasing Policy (public hearing)
- Green Infrastructure Plan (public hearing)
- Update on Transportation/Implementation of Vehicle Miles Travelled metric (requested by Commission)
- Update on Water Supply Issues (requested by Commission)
- Update on SVCE rebate programs (requested by Commission)
- Update on Progress Toward Solid Waste Diversion Goal (requested by Commission)



City of Sunnyvale

Agenda Item

18-0734

Agenda Date: 10/24/2018

2019 COUNCIL STUDY ISSUE

NUMBER

Environmentally Preferable Purchasing Policy

BACKGROUND

Lead Department: Environmental Services Department

Support Departments: Office of the City Manager
Office of the City Attorney

Sponsor(s): Sustainability Commission

History: 1 year ago: N/A
2 years ago: N/A

SCOPE OF THE STUDY

What precipitated this study?

The city's purchasing decisions can have significant impact on greenhouse gas emissions not necessarily within the city, but in the wider world. Although previous Climate Actions for Sunnyvale have mostly focused on direct emissions within the city, as we know, purchasing products that are made outside the city induces greenhouse gas emissions in other locations thus contributing to climate change. If the city required that the products and services it buys are made and delivered in a sustainable way then when aggregated, market demand is created for more sustainable options. It is likely that the city could even money on some products and services over the long term.

A green purchasing policy is consistent with the Council Priority of accelerating climate action. There is considerable information available about Environmentally Preferable Purchasing programs/policies adopted by cities, universities and the federal government. The study should leverage on the significant work already done by others (see References for just a few examples).

Desired Outcome: A comprehensive Environmentally Preferable Purchasing Policy (EPPP) for the city.

Benefits:

The city spends a lot of money on goods and services that are made outside the city and which produce greenhouse gas emissions elsewhere. This is an opportunity for the city to be a leader and role model for residents and businesses as well as to accelerate the demand signal in the economy for sustainably produced and delivered products and services. Scope 3 greenhouse gas emissions generated by city purchases will be significantly reduced after full implementation.

Background:

Sunnyvale does have a few items related to environmental purchasing in the Council Policy Manual. These include: 7.1.3 on Environmental Procurement, 7.3.2 Reduction of Carbon Dioxide Emissions from City Operations and 7.3.25 on Expenditure of Public Funds for Bottled Water.

Very few specifics are called out in these policies. One exception is that the city will purchase paper with at least 30% post-consumer recycled content. This could be updated to 100% post-consumer recycled content which is readily available at reasonable cost. Bottled water is prohibited to be bought using city funds, but not other single-use plastics such as utensils, cups, straws, plates and bowls. The travel policy for council does not consider greenhouse gas emissions related to air travel.

What are the key elements of the study?

- Review EPPPs of other organizations and cities to identify components that could be easily and cost effectively adopted in Sunnyvale. For example, see Palo Alto's "Default to Green" policy. Check with Palo Alto staff to identify 'lessons learned' in their roll-out.
- Identify cost in staff time to set up and manage an EPPP policy.
- Study potential unintended consequences and how to address - for example an excessive administrative burden to track indirect GHG emissions or determine the greenest option for each product or service.
- Identify areas where a city EPPP could reduce scope 3 greenhouse gas emissions. Many EPPP's only address consumable supplies, but study whether other areas could be included such as Air travel, Food purchases, Capital equipment / fleet vehicles, chemicals/pesticides, and large contracts.
 - Air Travel by city employees and council. There are current policies to reduce expenses from air travel, but not GHG emissions. Suggestions include: virtual meetings to reduce the need for air travel, give preference to airplanes with lower emissions, and a implement a policy to purchase carbon offsets for all city air travel.
 - Food Purchases. The existing Sunnyvale Climate Action Plan has LUP3.4 "Develop and implement a purchasing policy that requires food and other appropriate materials purchased by the City to be purchased from as local a supply as possible." However this has not been studied or implemented. In addition to local purchasing, there could be a policy to favor plant-based food purchasing to reduce GHG impact from animal based foods.
 - Capital Equipment and Fleet Vehicles. Consider giving preference to all-electric options which would favor use of renewable electricity from SVCE. Other factors could also be considered to reduce GHG emissions such as manufacturer sustainability policies, materials used to manufacture the equipment, distance of travel to ship the equipment to Sunnyvale, recycled content of the product, and manufacturer take-back provisions at end of life (for recycling). Identify procedures to calculate total lifetime cost and not just initial capital cost. Define procedure for selecting other items when the greenest solution does not pay back over the lifetime compared to other less green options.
 - Supplies. When purchasing supplies for city operations the following should be considered and maximized to the extent that quality of product is not compromised unduly: 1) recycled content, 2) recyclability, composability or manufacturer take-back provision, 3) re-usability/durability in accordance with the purpose of use, and 4) use of natural materials (paper, glass, metal, cloth, wood, as opposed to fossil fuel based synthetic materials such as plastic, nylon, polyester, melamine, etc.). Consider including that single use plastic supplies would not be purchased at all (utensils, plates, straws, cups, bottles, bowls, bags, wrap, etc.), and instead specify reusables.
 - Chemicals and Pesticides. Some city purchases like hazardous chemicals and pesticides may not have a green or sustainable alternative. some of these products when used as intended release chemicals into the environment that have negative or unintended consequences. Products in this category should be carefully evaluated as to whether they need to be purchased at all. There may be non-chemical alternatives that could obviate the

purchase altogether. For landscaping this could include mulching, physical weed removal, spraying weeds with boiling hot water, etc.

- Contracts Requests for proposals, bid sourcing, and contracts should require the company seeking to provide goods or services to address issues of greenhouse gas emissions and sustainability in their bids/proposals. An accounting of projected greenhouse gas emissions should be included which spans the direct greenhouse gas emissions during construction or implementation of the contract as well as the projected emissions over the life of the building or serviceable life of the product. Contracts should specify aspects that will be monitored and measured or verified during contract execution. This includes contracts for new city buildings and infrastructure.
- Consider a 'menu' of approved supplies and 'templates' for bid proposals that would ease of implementation. Flexibility should be built-in to allow for new and innovative products that meet the framework criteria.

The supporting processes should make it easy to implement in practice through a menu of approved products that is periodically reviewed and updated. A provision should be put into the policy to periodically audit actual purchases for compliance to the policy.

- Study methods and costs to promote an EPPP and publicize its criteria for selecting sustainable products and services. This will serve as an example for residents and business to do the same. Once developed, implemented and shown to be saving the city money as well as producing other benefits to the city, this should be shared with other cities to create even more demand for sustainable products and services. Employees working for manufacturers and service providers will be influenced to develop more innovative and sustainable products and services to meet the demand.

Estimated years to complete study: <1 year

References:

Alameda County Green Purchasing website and policy [<https://www.acgov.org/sustain/what/purchasing/>](https://www.acgov.org/sustain/what/purchasing/)

City of Palo Alto Sustainability Policies website

[<https://cityofpaloalto.org/services/sustainability/cityefforts/sustainability_policies_.asp>](https://cityofpaloalto.org/services/sustainability/cityefforts/sustainability_policies_.asp)

City of Palo Alto Audit of Green Purchasing Practices:

[<https://www.google.com/url?>](https://www.google.com/url?)

Here is an excerpt from City of Palo Alto Sustainability and Climate Action Plan November 2016 pages 32-33 that describes the “Default to Green” framework:

5.3 Goal: “Default to Green” Procurement for Products and Services

In 2007, the City authorized the implementation of a green purchasing program, and subsequently adopted a Green Purchasing Policy (GPP) in 2008, which supports existing environmental policies and Council direction to reduce GHG, pesticides and mercury, and achieve Zero Waste and pollution prevention goals. In 2015, the City Manager established a “default to green” strategy that makes the greener product the norm rather than the exception. Staff will always have the option to purchase alternative products, wherever cost or performance requirements make the green product inappropriate, but by making the greener purchase easier, and supported by tools that assist staff in choosing the best option, the City hopes to embed greener purchasing into City processes. (This has been accomplished for paper and toner purchases, and is underway for fleet purchases.)

5.3.1 Strategy: Establish Green Purchasing criteria in all priority categories

5.3.2 Strategy: Fund Green Purchasing programs, products and services

5.3.3 Strategy: Embed Green Purchasing into City procedures

5.3.4 Strategy: Educate staff about Green Purchasing policies

5.3.5 Strategy: Track and report progress

A 2014 analysis in Palo Alto showed that the Scope 3 GHG impacts of City purchases would add an estimated

25% to City government emissions.

City of San Jose Environmentally Preferable Purchasing website

<http://www.sanjoseca.gov/index.aspx?NID=1774>

Environmental Protection Agency Purchasing Rules:

<https://www.epa.gov/greenerproducts/about-environmentally-preferable-purchasing-program>

<https://www.epa.gov/greenerproducts/about-environmentally-preferable-purchasing%20program>

CalRecycle website <https://www.calrecycle.ca.gov/epp/lawpolicy>

Check other cities and universities EPPP's such as Arizona State, City of Phoenix, San Francisco, and Santa Monica.



City of Sunnyvale

Agenda Item

18-0826

Agenda Date: 10/24/2018

Addressing Non-Recyclables in Recycling Carts