



City of Sunnyvale

Notice and Agenda

Sustainability Commission

Monday, September 19, 2016

7:00 PM

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

CALL TO ORDER

SALUTE TO THE FLAG

ROLL CALL

PRESENTATION

[16-0904](#) Building Energy Codes

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

[16-0848](#) Approve the Sustainability Commission Meeting Minutes of August 15, 2016

Recommendation: Approve the Sustainability Commission Minutes of August 15, 2016 as submitted.

STANDING ITEM: CONSIDERATION OF POTENTIAL STUDY ISSUES

[16-0714](#) Draft Study Issue: Solar-Ready Roofs

[16-0924](#) Draft Study Issue: Eliminate the Use of Chemical Pesticides on City Owned or Leased Property

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. (29 CFR 35.106 ADA Title II)



City of Sunnyvale

Agenda Item

16-0848

Agenda Date: 9/19/2016

SUBJECT

Approve the Sustainability Commission Meeting Minutes of August 15, 2016

RECOMMENDATION

Approve the Sustainability Commission Minutes of August 15, 2016 as submitted.



City of Sunnyvale

Meeting Minutes - Draft

Sustainability Commission

Monday, August 15, 2016

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 7:01 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 Amit Srivastava
Commissioner Brian Glazebrook
Commissioner Dan Hafeman
Commissioner Petya Kisyova
Commissioner Kristel Wickham
Commissioner Steven Zornetzer

Commissioner Glazebrook arrived at 7:05 p.m.

Council Liaison – Pat Meyering (absent)

ORAL COMMUNICATIONS

Tim Oey, a Sunnyvale resident and Bicycle and Pedestrian Advisory Commissioner, talked about his family's efforts to be zero waste, citing that they only take out their trash and recycling a few times a year. He invited the Commissioners to a zero waste potluck on August 28 on Allison Way, Sunnyvale, and to the 2016 Trailblazer Race organized by Friends of Stevens Creek Trail.

CONSENT CALENDAR

- 1 [16-0825](#) Approve the Sustainability Commission Meeting Minutes of July 18, 2016

Vice Chair Srivastava moved and Commissioner Hafeman seconded a motion to approve the July 18, 2016 meeting minutes. The motion carried by the following vote:

Yes: 4 - Chair Paton
Vice Chair Srivastava
Commissioner Hafeman
Commissioner Wickham

No: 0

Abstain: 3 - Commissioner Glazebrook
Commissioner Kisyova
Commissioner Zornetzer

Commissioners Glazebrook, Kisyova, and Zornetzer abstained as they were not present at the July meeting.

PUBLIC HEARINGS/GENERAL BUSINESS

2 [16-0641](#) City-wide Residential Food Scraps Collection Program for Single-Family Households and Small Businesses that Use Commercial Cart Service

Mark Bowers, Solid Waste Programs Division Manager, and Karen Gissibl, Environmental Programs Manager, presented a report on residential food scraps recovery, which included a summary of findings from the City's recent pilot study and its proposed city-wide rollout. Mr. Bowers highlighted program costs, its anticipated food scrap recovery rate, and its unique features (e.g., 70/30 split trash/food scrap carts).

The Commission asked clarification questions about the study and commended the City's progress towards achieving the goals in its Zero Waste Strategic Plan.

Chair Paton opened the public hearing.

Tim Oey commented that the city-wide program provides a viable alternative for residents who, like him, are interested in separating food scraps from trash but do not have the time or capability for backyard composting.

Chair Paton closed the public hearing.

Commissioner Hafeman moved and Commissioner Zornetzer seconded a motion to recommend that Council approve the staff recommendation (Alternative 1) of the report, with the comment that the City should implement the city-wide food scraps collection program as quickly as possible. The motion carried by the following vote:

Yes: 7 - Chair Paton
Vice Chair Srivastava
Commissioner Glazebrook
Commissioner Hafeman
Commissioner Kisyova
Commissioner Wickham
Commissioner Zornetzer

No: 0

3 [16-0716](#) Sustainability Speaker Series Coordination

Nupur Hiremath, Sustainability Coordinator, provided clarification on the process for forming an Ad Hoc Committee to support development of the Sustainability Speaker Series proposal.

Commissioner Wickham moved and Vice Chair Srivastava seconded a motion to form an Ad Hoc Committee for the purpose of planning the Sustainability Speaker Series.

The Commission asked for clarification on the budgeted amount and the anticipated implementation timeline for the Speaker Series. Elaine Marshall, Environmental Programs Manager, clarified that the budget contained \$25,000 per fiscal year (July 1 – June 30) for the Sustainability Speaker Series and that any leftover funds would carry over to the subsequent fiscal year, as this item was a part of the Projects Budget. She added that the Commission's recommended plan for the Speaker Series would need to be submitted to City Council for approval.

Chair Paton offered a friendly amendment to propose that the Ad Hoc Committee return to the Commission with a draft plan for the Speaker Series within three months.

Commissioner Wickham accepted the friendly amendment.

The motion carried by the following vote:

Yes: 7 - Chair Paton
Vice Chair Srivastava
Commissioner Glazebrook
Commissioner Hafeman
Commissioner Kisyova
Commissioner Wickham
Commissioner Zornetzer

No: 0

Chair Paton asked the Commission for volunteers or nominations for Ad Hoc Committee members. Commissioners Zornetzer and Wickham volunteered and Chair Paton confirmed their participation in the committee. Chair Paton directed the Ad Hoc committee to use the key discussion questions from this meeting's agenda as a guide for developing the Speaker Series plan and to provide monthly progress updates.

The Commission discussed potential topics of interest for the Speaker Series including: building codes; energy management; and transportation. The Commission discussed that the Series should reach a broad audience, highlight what the City's sustainability priorities are, and present actionable information for residents for creating sustainable change. The Commission discussed potential target audiences as residents, City leadership, and commercial and industrial enterprises. Commissioner Kisyoova identified the U.S. Green Building Council and the American Institute of Architects-Santa Clara Valley as potential partner organizations.

Chair Paton proposed that Commissioners send any suggestions related to the Speaker Series to Nupur Hiremath to pass on to the Ad Hoc committee.

STANDING ITEM: CONSIDERATION OF POTENTIAL STUDY ISSUES

4 [16-0714](#) Draft Study Issue: Solar-Ready Roofs

Vice Chair Srivastava summarized the proposed draft Study Issue, which is intended to examine the feasibility of requiring developers of new residential and commercial construction to: (1) install either a solar photovoltaic system, solar water heating panels, or living vegetation on the roof; and (2) set aside a minimum portion of the roof as "solar ready" (i.e., without shading). He noted that the percentage of the roof that would need to be un-shaded roof would need to be determined by staff as a part of the Study Issue. He noted that only three cities in California (San Francisco, Lancaster, and Palo Alto) had adopted such ordinances to date.

Chair Paton, Commissioner Kisyoova, and Commissioner Hafeman asked Vice Chair Srivastava to clarify the language "solar-ready" as this term has typically referred to buildings being wired appropriately to support solar. Vice Chair Srivastava responded that he had specifically used a general term because the traditional definition of "solar-ready" has changed, as the technology has evolved

(e.g., DC cells are now included on the solar panels themselves).

Commissioner Kisyova shared that the State Energy Code (both the 2013 and the 2016 editions) contains “solar-ready” requirements and wanted to clarify if the Study Issue was duplicative of the Energy Code requirements. Staff will check with the Building Division to determine if the Energy Code requirements are consistent with objectives of the proposed Study Issue. Vice Chair Srivastava requested early staff feedback (i.e., prior to submission of Study Issue to City Manager on October 1, 2016) on whether such a Study Issue is needed.

Chair Paton proposed that the Commission brainstorm potential Study Issue topics. The Commission discussed building codes, net zero energy, sea-level rise, and transportation as potential topic areas for developing Study Issues. Vice Chair Srivastava noted that sea-level rise has been on the list of Study Issues for more than 3 years. Elaine Marshall clarified that there is an ongoing effort to identify risk and vulnerability to sea-level rise in Sunnyvale through Santa Clara County’s Silicon Valley 2.0 tool. Commissioner Kisyova recalled that duplication between the proposed Study Issue and this tool was the reason the Commission dropped this Study Issue last year. Chair Paton proposed that he would reformulate the sea-level rise Study Issue from the 2016 cycle for consideration.

The Commission discussed broader guidelines for selecting Study Issue topics such as: (1) Linking Study Issues to the Climate Action Plan (CAP) and the City’s budget; (2) Compiling a list of Study Issues proposed by the Sustainability Commission so as to identify topics of continued relevance vs. those that are not worth revisiting; (3) Ensuring that Study Issue topics do not duplicate existing efforts undertaken by the City or other agencies (e.g., sea-level rise efforts of USACE and NOAA).

NON-AGENDA ITEMS & COMMENTS

-Commissioner Comments

Commissioner Hafeman attended a Valley Transportation Authority (VTA) workshop, which sought community input to potential 2017 modifications to the route maps and provided insight into VTA’s challenges of developing a transit system in an area designed primarily for automobile use.

Commissioner Kisyova noted that the El Camino Real Public Advisory Committee accepted a vision, goals, and a plan with many sustainable elements at the July meeting.

Commissioner Wickham announced that she is participating in the City’s energy

efficiency pilot study.

Chair Paton noted that the Sunnyvale Sustainable and Affordable Living Coalition (livablesunnyvale.org) is a new organization formed to advocate for more sustainable and affordable housing in Sunnyvale.

-Staff Comments

Elaine Marshall noted that she would be the primary contact and liaison for the Sustainability Commission starting September while Nupur Hiremath is on maternity leave.

ADJOURNMENT

The meeting was adjourned at 9:42 pm.



City of Sunnyvale

Agenda Item

16-0714

Agenda Date: 9/19/2016

Draft Study Issue: Solar-Ready Roofs

(submitted for consideration by Vice Chair Srivastava)

ESD

Lead Department Environmental Services Department

Sponsor(s) Sustainability Commission

History 1 year ago: 2 years ago:

1. Scope of the Study

a. What are the key elements of the study?

For new construction, of residential/commercial, developers either install solar photovoltaic or solar water panels or living vegetation on their roofs and set aside a minimum defined percentage of the “solar ready” roof that is clear and un-shaded.

Currently Climate Action Plan today only recommends solar hot water.

b. What precipitated this study?

Increasing Sunnyvale's green footprint for new construction and moving to cleaner fuels. Following the lead of what other cities are doing similarly such as: San Francisco, Palo Alto. This will help accelerate city's climate action plan efforts.

c. Is this a multiple year project? No	Planned Completion Year
2017	



City of Sunnyvale

Agenda Item

16-0924

Agenda Date: 9/19/2016

Draft Study Issue: Eliminate the Use of Chemical Pesticides on City Owned or Leased Property

2017 COUNCIL STUDY ISSUE DRAFT
(submitted for consideration by Commissioner Wickham)

NUMBER ESD-17-0X

TITLE Eliminate use of chemical pesticides on city owned or leased property

BACKGROUND

Lead Department: Environmental Services

Support Department(s): Community Services, Public Works

Sponsor(s):

Board/Commission: Sustainability Commission

History:

1 year ago: N/A

2 years ago: N/A

SCOPE OF THE STUDY

What are the key elements of the study?

- Identify current costs to city of purchasing and applying pesticides (insecticides, herbicides, fungicides, & rodenticides) that are covered in the Integrated Pest Management Plan (IPM). Separately identify costs of “Pesticides of Concern” and other chemical pesticides (for example glyphosate) used that are not on the ‘concern’ list. Identify expected net costs of further reducing and eliminating all pesticide use on city property (increased cost of mechanical weed removal, physical barriers, etc. as prescribed in the IPM plan minus savings from not purchasing pesticides).
- Identify benefits to community and environment. These will not be monetized since it is beyond the scope of this study to value the long term savings for reducing human illness or assessing the value of environmental benefits.
- Identify cost of a pilot study in selected parks or city properties to measure costs / savings in a real application.
- Study cost of implementing a public outreach program to encourage pesticide elimination at homes, schools and businesses and provide information on alternative control means.
- Through a survey of residents and businesses, identify level of awareness and concern by the public on this topic and the desire for the city to devote attention to further pesticide reduction and eventual elimination.
- Benchmark and monitor progress of other cities in the region who have undertaken similar actions.
- Review the City’s IPM Plan (from 2009 or 2010?) and consider cost/benefit to add:
 - a) public notification prior to the application of pesticides in public areas
 - b) reporting measures to allow the public to be informed on the quantities of each chemical pesticide used by the city (or associated contractors) on an annual basis,

and

c) annual targets for reduction of pesticide use down to zero.

What precipitated this study?

Concern that using chemicals to control weeds and pests will contaminate water and soil leading to negative long term impacts to human health, and non-targeted species (bees, aquatic life, birds, pets, and beneficial insects). Other cities in the region are investigating elimination of pesticides in city parks (Reference [Menlo Park action in Fall 2015](#))

Planned Completion Year: [2017]