



City of Sunnyvale

Notice and Agenda - Draft Sustainability Commission

Monday, October 21, 2019

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

- 1 19-0878 PRESENTATION - Climate Resilience and Adaptation Plans
for Bay Area Cities

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

- 2 19-1114 Approve the Sustainability Commission Meeting Minutes of
September 16, 2019

Recommendation: Approve the Sustainability Commission Minutes of September 16, 2019 as submitted.

PUBLIC HEARINGS/GENERAL BUSINESS

- 3 19-1115 Draft Proposal for FY 2020-2021 Sustainability Speaker Series
- 4 19-1116 Draft 2020 Master Work Plan

STANDING ITEM: CLIMATE ACTION PLAN (CAP 2.0) UPDATE**STANDING ITEM: CONSIDERATION OF POTENTIAL STUDY ISSUES**

- | | | |
|----|---------|--|
| 5 | 19-0891 | Sustainability Commission Proposed Study Issues, Calendar Year: 2020 |
| 6 | 19-1109 | Create a new city Board and Commission or Staff Advisory Committee focused on mobility issues, especially commutes into and out of the city. |
| 7 | 19-1110 | Subsidized Public Transit |
| 8 | 19-1111 | Fossil Fuel Infrastructure and Equipment |
| 9 | 19-1112 | Encourage Decarbonization Readiness During Electrical Upgrades |
| 10 | 19-1119 | Community Condition Indicators for Environmental Health |

NON-AGENDA ITEMS & COMMENTS

-Commissioner Comments

-Staff Comments

INFORMATION ONLY REPORTS/ITEMS

- | | | |
|----|---------|---------------------------------------|
| 11 | 19-1113 | Updated Annual Work Plan October 2019 |
|----|---------|---------------------------------------|

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

19-0878

Agenda Date: 10/21/2019

PRESENTATION - Climate Resilience and Adaptation Plans for Bay Area Cities



City of Sunnyvale

Agenda Item

19-1114

Agenda Date: 10/21/2019

SUBJECT

Approve the Sustainability Commission Meeting Minutes of September 16, 2019

RECOMMENDATION

Approve the Sustainability Commission Minutes of September 16, 2019 as submitted.



City of Sunnyvale

Meeting Minutes - Draft

Sustainability Commission

Monday, September 16, 2019

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: 6 - Chair Bruce Paton
Vice Chair Kristel Wickham
Commissioner Stephen Joesten
Commissioner Douglas Kunz
Commissioner Shana Padgett
Commissioner Murali Srinivasan
Absent: 1 - Commissioner Steven Zornetzer

Council Liaison - Nancy Smith (present)

Council Liaison Nancy Smith arrived at 7:05 p.m

Commissioner Zornetzer's absence is excused by general consent.

ORAL COMMUNICATIONS

Chair Paton welcomed Ralph Kenton, Chair of Parks and Recreation Commission, who is looking to compile best practices from different Board/Commission meetings.

CONSENT CALENDAR

1.A [19-0966](#) Approve Sustainability Commission Meeting Minutes of August 19, 2019

Commissioner Joesten moved, and Commissioner Srinivasan seconded, a motion to approve the consent calendar. The motion carried by the following vote:

Yes: 6 - Chair Paton
Vice Chair Wickham
Commissioner Joesten
Commissioner Kunz
Commissioner Padgett
Commissioner Srinivasan

No: 0

Absent: 1 - Commissioner Zornetzer

STANDING ITEM: CLIMATE ACTION PLAN (CAP 2.0) UPDATE

Nupur Hiremath, Environmental Programs Manager, shared that staff is planning the implementation of the Climate Action Playbook's Next Moves, and is also working on implementing the Sustainability Speaker Series.

STANDING ITEM: CONSIDERATION OF POTENTIAL STUDY ISSUES

2. [19-0955](#) Encourage Decarbonization Readiness During Electrical Upgrades

Commissioner Kunz provided an overview of this Study Issue, which was intended to leverage the time point of applying for a permit for an electrical panel upgrade to set the stage for future electrification of existing homes.

Chair Paton opened the public hearing.

No public comments were made.

Chair Paton closed the public hearing.

Commissioner Kunz observed that the staff response did not accurately interpret three key aspects of the proposed Study Issue topic: (1) Policies cited in the staff response focused largely on new construction, whereas the intention of the Study Issue was to address electrification of existing buildings; (2) Electrical panel upgrades associated with the installation of electric vehicle chargers or solar, as cited in the staff response, do not always trigger upgrades to electrical panels beyond the needed capacity and, therefore, do not always enhance panel capacity adequately for electrifying other energy needs in the future (e.g., electric space or

water heating); and (3) The Study Issue was intended to encourage larger panel sizing during major upgrades of building electrical systems, rather than minor electrical repairs as indicated in the staff response. Staff clarified that the Green Building Program does offer incentives to encourage electrification during remodels of existing buildings.

The Commission discussed challenges in understanding what products and incentives exist for homeowners and the need for significant education before the homeowner applies for a permit. Nupur Hiremath, Environmental Programs Manager, shared that Silicon Valley Clean Energy (SVCE) is in the process of creating an online Customer Resource Center where customers can see many of the available options for home electrification.

Based on the discussion, the Commission made the following changes to the Study Issue topic: (1) removed the sentence about requiring panel upgrades; and (2) added text to state that strategies such as education, incentives, and policies may be evaluated to prepare for electrification.

Commissioner Kunz moved, and Commissioner Padgett seconded, a motion to propose and sponsor this Study Issue, as amended. Chair Paton offered a friendly amendment to change the motion to proposing the Study Issue without sponsorship. Commissioners Kunz and Padgett accepted the friendly motion. The motion carried by the following vote:

All – Yes

Vice Chair Wickham and Commissioners Padgett noted that this Study Issue topic may overlap with some Next Moves in the recently adopted Climate Action Playbook. The Commission discussed whether it was appropriate to sponsor a Study Issue on this topic, given anticipated demands on staff time. Given this, Chair Paton, with general consensus, tabled this discussion with a proposal to revisit it later in the meeting after discussing other Study Issue topics.

Upon revisiting this discussion, the Commission discussed it was appropriate to move forward with sponsorship. Commissioner Kunz moved, and Vice Chair Wickham seconded, a motion to propose and sponsor this Study Issue, as amended. The motion carried by the following vote:

Yes: 6 - Chair Paton
Vice Chair Wickham
Commissioner Joesten
Commissioner Kunz
Commissioner Padgett
Commissioner Srinivasan

No: 0

Absent: 1 - Commissioner Zornetzer

3. [19-0958](#) Subsidized Public Transit

Commissioner Joesten shared an overview of this Study Issue to engage the City to adopt a program to subsidize transit costs. He observed that numerous cities, such as Portland and San Francisco, were already implementing such programs.

Chair Paton opened the public hearing.

No public comments were made.

Chair Paton closed the public hearing.

Chair Paton noted that, discounted transit pass programs, such as one recently offered by Sunnyvale Community Services, are well utilized when offered to the community. The Commission discussed the challenges with existing transit infrastructure and offerings, and whether subsidies could alleviate these and encourage greater ridership.

Commissioner Padgett moved to propose the Study Issue. Commissioner Joesten proposed a friendly amendment to modify the motion to both propose and sponsor the Study Issue. Commissioner Padgett accepted the friendly amendment. Commissioner Joesten seconded the motion to propose and sponsor the Study Issue. The motion carried by the following vote:

Yes: 6 - Chair Paton
Vice Chair Wickham
Commissioner Joesten
Commissioner Kunz
Commissioner Padgett
Commissioner Srinivasan

No: 0

Absent: 1 - Commissioner Zornetzer

4. [19-0960](#) Create a new city commission or citizen group focused on mobility issues, especially commutes into and out of the city.
Increase transparency of decisions affecting mobility.

Chair Paton explained that the intention of this Study Issue was to create a new advisory group to take a more holistic approach to mobility issues in the City, to encourage greater collaboration with staff, enhance transparency of the City's transportation policies and programs. Commissioner Kunz noted that the Bicycle and Pedestrian Commission (BPAC) was focused on two modes of mobility only, bicycle and pedestrian, and that a Commission that considered all modes of transportation more holistically would be beneficial to the City.

Chair Paton opened the public hearing.

Ralph Kenton, Sunnyvale resident, observed that creating a community advisory committee may be more appropriate than a new Commission, as such committees have more flexibility.

Chair Paton closed the public hearing.

The Commission discussed the limitations with the responsibilities of current Commissions in addressing the intention of this Study Issue topic.

Chair Paton noted that his original idea of to develop a mobility strategy had not been incorporated into the Climate Action Playbook. Nupur Hiremath, Environmental Programs Manager, clarified that this was because staff had determined that the Playbook's Strategy 3: Decarbonizing Transportation and Sustainable Land Use in conjunction with the City's upcoming Active Transportation Plan would lay out the City's broader mobility policies, and that a separate policy document was not needed. The Commission generally agreed that creating a new Mobility Commission would serve as a bridge to address any gaps in the implementation of the strategies contemplated in the Playbook and Active Transportation Plan.

Chair Paton moved, and Commissioner Kunz seconded, a motion to propose and sponsor the Study Issue. The motion carried by the following vote:

Yes: 6 - Chair Paton
Vice Chair Wickham
Commissioner Joesten
Commissioner Kunz
Commissioner Padgett
Commissioner Srinivasan

No: 0

Absent: 1 - Commissioner Zornetzer

5. [19-0965](#) Utilization of Kirby Canyon Landfill Gas

Vice Chair Wickham provided an overview of the Study Issue to examine the possibility of utilizing landfill gas from Kirby Canyon for electricity generation.

Chair Paton opened the public hearing.

No public comments were made.

Chair Paton closed the public hearing.

Vice Chair Wickham shared that Kirby Canyon representatives had provided her with information that they are evaluating two possible solutions for utilizing their landfill gas: (1) injecting landfill gas into the existing natural gas distribution system; and (2) utilizing landfill gas to fuel their vehicle fleet.

Vice Chair Wickham understood that the City has limited influence on policies at the Kirby Canyon landfill and that Sunnyvale is a substantial distance from the landfill, as noted in the staff response to this Study Issue topic. For these reasons, the Commission agreed that a Study Issue on this topic was not needed.

6. [19-0963](#) Community Condition Indicators for Environmental Health

Vice Chair Wickham provided an overview of the Study Issue on considering inclusion of Community Condition Indicators (CCIs) for environmental health in the City's Budget and website. She explained the background for this Study Issue, noting that during the Commission's annual review of the City Manager's Recommended Budget in May 2019, the Commission observed that the CCIs listed were limited in scope and did not reflect key metrics to address climate change.

Chair Paton opened the public hearing.

No public comments were made.

Chair Paton closed the public hearing.

Chair Paton requested clarification from staff regarding whether a Study Issue was necessary for the Commission to review, evaluate, and suggest revisions to CCIs for the Budget book, as suggesting sustainability metrics for the City to track and report on had been done by the Commission several years ago. He observed that such actions would be a part of the Commission's regular business and that this topic should be added to the Commission's 2020 Work Plan, rather than being considered as a Study Issue.

Staff will obtain additional clarity on the process and provide information to the Commission at the October meeting. The Commission decided to propose the Study Issue but to wait to sponsor it until staff provided the requested clarification.

Vice Chair Wickham moved, and Chair Paton seconded, a motion to propose this Study Issue. The motion carried by the following vote:

Yes: 6 - Chair Paton
Vice Chair Wickham
Commissioner Joesten
Commissioner Kunz
Commissioner Padgett
Commissioner Srinivasan

No: 0

Absent: 1 - Commissioner Zornetzer

7. [19-0964](#) Fossil Fuel Infrastructure and Equipment

Vice Chair Wickham provided an overview of the Study Issue, which aims to examine whether the City's currently planned investment over the next 20 years in fossil fuel infrastructure, such as underground gas tanks and distribution lines, can be pivoted toward a greater investment in renewables.

Chair Paton opened the public hearing.

No public comments were made.

Chair Paton closed the public hearing.

The Commission and staff discussed the need to balance the timing of shifting infrastructure need to meet current requirements and future demands. The Commission requested staff and Councilmember Nancy Smith to clarify whether this topic would be more appropriately considered as a Budget Issue; staff stated that the process for the Commission to submit this idea would follow the Study Issue process, and staff may later determine if this topic would more appropriately be a Budget Issue instead.

Based on the discussion, the Commission made the following changes to the Study Issue topic: (1) changed the title to “Accelerate Retirement of Fossil Fuel Infrastructure and Equipment;” and (2) modified item 3 to read: “Use current funding to replace existing infrastructure with electric or renewable energy infrastructure, in alignment with the Climate Action Playbook’s priorities.”

Vice Chair Wickham moved, Commissioner Srinivasan seconded, and a motion to propose and sponsor the Study Issue, as amended. The motion carried by the following vote:

NON-AGENDA ITEMS & COMMENTS

-Commissioner Comments

Vice Chair Wickham shared that Commissioner Zornetzer was recognized by NASA Ames for his work in championing the Sustainability Base Building, and that a conference room in the building had been named in his honor as the Steven F. Zornetzer Leadership in Sustainability Conference Room.

Vice Chair Wickham also shared that Reach Codes are being considered by many cities across the Bay Area and that 11 cities had submitted a letter of intent to SVCE, including Sunnyvale. She observed that most cities were aiming for Council votes on Reach Codes in November or December. She also shared that the Sustainability Speaker Series subcommittee has met two times to identify topics for the 2020-2021 Sustainability Speaker Series, and is looking forward to sharing them with the Commission next month.

Commissioner Kunz shared his home will be featured in a local news story on building electrification to be aired on NBC on September 17, 2019 at 5 p.m. He also noted that he will be a speaker on a panel at the City of San Jose’s Bay Area Home Electrification Expo on October 12, 2019.

Commissioner Paton shared that he is in the process of electrifying his home and observed that both the heat pump water heaters recommended by SVCE as a part of their pilot program were not available at local hardware stores. He also mentioned attending State of the City and shared that the Mayor had highlighted the Climate Action Playbook very early on in his speech.

-Staff Comments

Nupur Hiremath, Environmental Programs Manager, announced that the agenda for next month would include the following items: Study Issue on CCIs; a presentation by the Sustainability Speaker Series Subcommittee on the draft proposal for the 2020-2021 Sustainability Speaker Series; a presentation by Chair Paton on “Climate Resilience and Adaptation Plans for Bay Area Cities;” and an initial conversation of the 2020 Annual Master Work Plan.

INFORMATION ONLY REPORTS/ITEMS[19-0967](#)

Updated Annual Work Plan September 2019

ADJOURNMENT

The meeting was adjourned at 10:09 p.m.



City of Sunnyvale

Agenda Item

19-1115

Agenda Date: 10/21/2019

Draft Proposal for FY 2020-2021 Sustainability Speaker Series



City of Sunnyvale

Agenda Item

19-1116

Agenda Date: 10/21/2019

Draft 2020 Master Work Plan

2020 Master Work Plan – **WORKING DRAFT**

Sustainability Commission Annual Calendar

MEETING DATE	AGENDA ITEM/ISSUE
January 21	<ul style="list-style-type: none"> Climate Action Playbook Quarterly Update Rank 2020 Study Issues
February 18	<ul style="list-style-type: none">
March 16	<ul style="list-style-type: none">
April 20	<ul style="list-style-type: none"> Climate Action Playbook Quarterly Update
May 18	<ul style="list-style-type: none"> Review Recommended Budget
June 15	<ul style="list-style-type: none"> Recognition of Service Commissioner Presentation
July 20	<ul style="list-style-type: none"> Selection of Chair and Vice Chair Climate Action Playbook Quarterly Update
August 17	<ul style="list-style-type: none"> Review and Discuss Draft Study Issues Draft Proposal for 2020-2021 Sustainability Speaker Series
September 21	<ul style="list-style-type: none"> Review and Discuss Draft Study Issues
October 19	<ul style="list-style-type: none"> Climate Action Playbook Quarterly Update Final month to Propose Study Issues Draft 2021 Master Work Plan
November 16	<ul style="list-style-type: none"> Approve 2021 Annual Master Work Plan
December 21	<ul style="list-style-type: none"> Annual Review of Code of Ethics and Conduct for Elected and Appointed Officials

Additional items to be scheduled:

- Study Issues ranking date to be determined based on 2020 Study Issues Workshop date

2019 Annual Work Plan Additional items not completed:

- Environmentally Preferable Purchasing Policy
- Downtown Specific Plan
- Lawrence Station Area Plan
- El Camino Real Corridor Plan
- Update on Transportation Programs/Implementation of Vehicle Miles Traveled metric (presentation only)
- Heat Pump Study Issue (staff presentation)

Additional Presentations/Updates from Staff requested by Commission:

Tier 1 (highly desired updates)

- Update on Water Supply Issues
- Update on Progress Toward Solid Waste Diversion Goal
- Update on Clean Water Program

Tier 2

- Update on Moffett Park Specific Plan
- Update on Peery Park Rides Shuttle Program (can be provided via email)
- Update on Air Quality in Sunnyvale (City and/or BAAQMD staff)

Potential Commissioner Presentation Topics:

- Transportation Leading Practices
- Best Practices for Pesticide Management
- Best Practices for Single Use Plastics Management



City of Sunnyvale

Agenda Item

19-0891

Agenda Date: 10/21/2019

Sustainability Commission Proposed Study Issues, Calendar Year: 2020 Proposed Study Issues*

Date	Working Title	Summary of Scope	Staff Comments
9/16/2019	**Create a new city commission...	Consider the creation of a Commission focused on taking a holistic approach to all forms of mobility in the city to reduce GHG emissions and increase transparency for the community.	Pending Review
9/16/2019	**Subsidized public transit	This study issue should investigate the use of reduced fares for public transit to encourage more use.	Pending Review
9/16/2019	**Fossil fuel infrastructure and equipment	Study the City's fossil fuel infrastructure maintenance and replacement plan and carry out a cost-benefit analysis to be more proactive by budgeting funds for upgrading to electric or renewable infrastructure.	Pending Review
9/16/2019	**Encourage Decarbonization-Readiness During Electrical Upgrades	This study issue aims to help implement the moves in the City's Climate Action Playbook by asking the City to identify & adopt strategies such as education, incentives, and policies to ensure that when existing building owners prepare to electrify one part of their home they will have the information and incentives to make other electrical upgrades when requesting permits with the City.	Pending Review
9/16/2019	*Community Condition Indicators	Identify and evaluate top level sustainability metrics that are currently missing from the City's existing Community Condition Indicators that convey the environmental health of the City and are in alignment with the City's Climate Action Playbook.	Pending Review

*This Study Issue has been proposed for future sponsorship.

**These Study Issues have been proposed and sponsored as of September 16, 2019.

Toward the end of the calendar year, no later than October, boards and commissions will review the list of proposed study issues and officially vote on sponsorship for each individually listed study issue. Official sponsorship means that the study issue is approved for ranking with a majority vote of the board or commission. Staff will then prepare the sponsored study issue papers, including fiscal impact **but not** the staff recommendation.



City of Sunnyvale

Agenda Item

19-1109

Agenda Date: 10/21/2019

2020 COUNCIL STUDY ISSUE

NUMBER

Title

DPW 20-XX

Create a new city Board and Commission or Staff Advisory Committee focused on mobility issues, especially commutes into and out of the city.

BACKGROUND

Lead Department: Public Works

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

Sponsor(s): Sustainability Commission

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

SCOPE OF THE STUDY

What precipitated this study?

In August 2019, Sunnyvale adopted the Climate Action Playbook to set a vision for the city to reduce carbon emissions by 2050. Transportation is the largest source of greenhouse gas (GHG) emissions both in Sunnyvale and in the state of California. In Sunnyvale, transportation is responsible for 54% of the city's GHG emissions. In order to achieve the State of California's target emissions reductions of 40% below 1990 levels by 2030 and 80% below 1990 levels by 2050, Climate Action Playbook proposes a goal to reduce vehicle miles traveled (VMT) by 20% by 2030.

Reducing VMT by 20 percent by 2030 will require transformations in lifestyle, infrastructure, and technology. It is, therefore, essential to have a standing board and commission or advisory committee to guide staff or city council in mobility related planning and policy development. Boards and Commissions advise City Council on specific policy issues and provide a forum and opportunity for broad community input. Advisory committees assist staff with legislative decision-making on specific topics. Establishing a new board and commission or advisory committee would facilitate more in-depth education, dialogue, and deliberations on relevant policy issues and will, therefore, provide a more open and transparent public review process. It would also provide a forum for residents, employees, and employers to understand and contribute to city decisions, and city inputs to regional decisions affecting our collective ability to achieve our goals to reduce VMT and related congestion issues.

What are the key elements of the study?

Establishment of a new board and commission or staff advisory group would need to be considered by the City Council (per Council Policy 7.3.1). The study should compare the roles and responsibilities between a board and commission and staff advisory committee for city of Sunnyvale. It should identify jurisdictions with a mobility related board and commission or staff advisory committee. The study should summarize their roles and responsibilities, and perform a comparison of those jurisdictions' /boards and commissions/committees with Sunnyvale's existing mobility-related boards and commissions/committees. It will identify existing boards and commissions/advisory committees in Sunnyvale with similar goals and mission.

Another element of the study will be a public outreach component to obtain input from the community. Public outreach will include a community workshop and an online survey to gather input on how the city can provide a more open and transparent public review process. It will also provide information to help residents, employees and employers understand how they could contribute to the city's policy making process.

The study should develop a recommendation of whether a) to create a new board and commission or advisory committee, b) to assign additional roles to an existing board and commission/advisory committee, or c) to restructure any existing mobility-related boards and commissions/advisory committees. If the recommendations were to create a new board and commission/advisory committee, the study will include a review of the City Council Policy to determine how overlapping roles and responsibilities could be resolved between the new board and commission/advisory committee and existing boards and commissions/advisory committees.

The study will also include recommendations on membership numbers, membership requirements, term duration, meeting location, meeting frequency, dates, and the required staff resources needed to support the mobility-related board and commission/advisory committee. In addition, the study should consider the board and commission/advisory committee's potential role concerning GHG reduction strategies, implementation of Climate Action Playbook programs, and advocacy and communication to the public.

Estimated years to complete study: 1 year

FISCAL IMPACT

Cost to Conduct Study

Level of staff effort required (opportunity cost): Moderate

Funding Required for Non-Budgeted Costs: \$100,000

Funding Source: Will seek budget supplement

The cost associated with this study would be for consultant services to conduct research on jurisdictions with a mobility-related board and commission/advisory committee and their roles and responsibilities, to compare the findings with current boards and commissions/advisory committees in Sunnyvale, and to make a recommendation on whether to for a new board and commission/advisory committee. City staff will work with the consultant throughout the project process in the development

of the recommendations.

Cost to Implement Study Results

Unknown. Study would include assessment of potential costs, including capital and operating, as well as revenue/savings.

EXPECTED CITY COUNCIL, BOARD OR COMMISSION PARTICIPATION

Council-Approved Work Plan: No

Council Study Session: No

Reviewed by Boards/Commissions: Bicycle and Pedestrian Advisory Commission

STAFF RECOMMENDATION

A staff recommendation will be completed at the time of submittal of this Study Issue Paper to the Office of the City Manager.



City of Sunnyvale

Agenda Item

19-1110

Agenda Date: 10/21/2019

2020 COUNCIL STUDY ISSUE

NUMBER

Title

DPW 20-XX

Subsidized Public Transit

BACKGROUND

Lead Department:

Public Works

Support Departments:

Office of the City Manager

Office of the City Attorney

Environmental Services

Sponsor(s):

Sustainability Commission

History:

1 year ago: N/A

2 years ago: N/A

SCOPE OF THE STUDY

What precipitated this study?

Given that one of the key areas of the Climate Action Plan 2.0 will be to reduce the vehicle miles traveled metric, the use of public transit will be a key element in the success of reducing greenhouse gas emissions (GHG). This study issue should investigate the use of reduced fares for public transit to encourage more use. The proposal should encompass all forms of mass transit including VTA, Caltrain, ACE train, and any other forms of alternate transit available to the residents of Sunnyvale.

The study should investigate the barriers to the use of public transit, including cost, convenience, and determine if a reduced fare would increase ridership.

The study would include other cities that provide subsidies to transit riders including San Francisco, Portland, Baltimore, and other cities. The study of cities that currently offer reduced fare structures will be important in understanding what does work and what does not work in this area as well as give some insight into the cost for offering reduced fares.

What are the key elements of the study?

Study of subsidized public transit for Sunnyvale residents will need to include a survey of residents to determine commute patterns, barriers, public perception of transit, and willingness to use public transit based on accessibility, service areas, reliability, and travel times. Input from transit operators will be included to determine how increased ridership can be accommodated within their business model and its potential impacts. Study should also identify what makes jurisdictions that offer subsidized public transit successful, how they compare to Sunnyvale in resident demographics, land use, transit density/service, jurisdictional characteristics, and quantify the cost of commuting. Additionally, the appropriate level of public transit subsidy and how the subsidy will be funded, will

need to be studied.

Estimated years to complete study: 2 years

FISCAL IMPACT

Cost to Conduct Study

Level of staff effort required (opportunity cost): Moderate

Funding Required for Non-Budgeted Costs: \$100,000

Funding Source: Will seek budget supplement

The cost associated with this study will be for consultant services to determine the feasibility and process in implementing a transit subsidy program. The analysis will include a review of policies, travel demand, socioeconomic factors, and City operating costs to implement the program. The analysis will also include community outreach events and surveys.

Cost to Implement Study Results

Unknown. Study would include assessment of potential costs, including capital and operating, as well as revenue/savings.

EXPECTED CITY COUNCIL, BOARD OR COMMISSION PARTICIPATION

Council-Approved Work Plan: No

Council Study Session: No

Reviewed by Boards/Commissions: Sustainability Commission

STAFF RECOMMENDATION

A staff recommendation will be completed at the time of submittal of this Study Issue Paper to the Office of the City Manager.



City of Sunnyvale

Agenda Item

19-1111

Agenda Date: 10/21/2019

2020 COUNCIL STUDY ISSUE

NUMBER

Title

DPW 20-XX

Fossil Fuel Infrastructure and Equipment

BACKGROUND

Lead Department:

Public Works

Support Departments:

Office of the City Manager

Office of the City Attorney

Environmental Services Department Community

Development Department

Sponsor(s):

Sustainability Commission

History:

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

SCOPE OF THE STUDY

What precipitated this study?

The Sustainability Commission believes that the City should review methods to support the Climate Action Playbook Strategies 2 & 3 for decarbonizing buildings & transportation. Furthermore, identifying ways to implement target in the Climate Action Playbook Strategies 2 & 3, also supports Council Policy 1.1.9 - Sustainable Development and Green Buildings, as well as, Council Policy 3.7.2 - Reduction of Carbon Dioxide Emissions from City Operations.

What are the key elements of the study?

The intent of the study is to ascertain what would be required to reduce the City's fossil fuel infrastructure and equipment to optimize energy efficiency, electrify buildings and equipment, increase zero-emissions City fleet, and decarbonize City buildings.

Key Elements:

- 1) Identify fossil fuel infrastructure within the city that under normal circumstances would need preventive maintenance, repair or replacement over the next 30 years (the span of the Climate Action Playbook targets). This could include but is not limited to underground gasoline fuel tanks (and associated equipment) for supplying gasoline fleet vehicles (police, fire, general), natural gas vehicle fleet capital equipment that uses natural gas (such as for heating buildings and water) at city facilities, and natural gas pipelines throughout the city.
- 2) A comprehensive look at electrifying all City-controlled vehicles will also require looking at contracts (such as recycling/garbage).
- 3) For each category, identify projected amount of money that would be needed to replace

existing or needed to construct new non-fossil fuel infrastructure through 2050.

- 4) Develop a plan to phase out (or minimize) fossil fuel use in City operations and use associated savings to calculate costs of alternatives and Return on Investment. Use current funding to replace existing infrastructure with electric or renewable energy infrastructure in alignment with the Climate Action Playbook priorities.

Estimated years to complete study: 2 years

FISCAL IMPACT

Cost to Conduct Study

Level of staff effort required (opportunity cost): Moderate

Funding Required for Non-Budgeted Costs: \$500,000

Funding Source: Will seek budget supplement

The cost is for consultant services that are necessary to complete the study. The consultant team will require different levels of expertise including engineering, environmental, and transportation.

Cost to Implement Study Results

Unknown. Study would include assessment of potential costs, including capital and operating, as well as revenue/savings.

EXPECTED CITY COUNCIL, BOARD OR COMMISSION PARTICIPATION

Council-Approved Work Plan: No

Council Study Session: No

Reviewed by Boards/Commissions: Sustainability Commission

STAFF RECOMMENDATION

A staff recommendation will be completed at the time of submittal of this Study Issue Paper to the Office of the City Manager.



City of Sunnyvale

Agenda Item

19-1112

Agenda Date: 10/21/2019

2020 COUNCIL STUDY ISSUE

NUMBER

Title

CDD-20-XX

Encourage Decarbonization Readiness During Electrical Upgrades

BACKGROUND

Lead Department: Community Development

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

Sponsor: Board/Commission: Sustainability Commission

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

SCOPE OF THE STUDY

What precipitated this study?

Sustainability Commission has identified an opportunity to increase ease of implementation in electrical upgrades of existing gas appliances.

What are the key elements of the study?

This study would evaluate what steps and resources the City would take to implement education and encouragement for the future electrification of existing gas appliances. Elements include educating owners on the benefits, and encouraging or requiring the action of upsizing a building's electrical service panel during major upgrades to have sufficient size to accommodate a future all-electric building.

Estimated years to complete study: 1 year

FISCAL IMPACT

Cost to Conduct Study

Level of staff effort required (opportunity cost): Moderate

Funding Required for Non-Budgeted Costs: \$0

Funding Source:

N/A

Cost to Implement Study Results

None.

EXPECTED CITY COUNCIL, BOARD OR COMMISSION PARTICIPATION

Council-Approved Work Plan: No

Council Study Session: No

Reviewed by Boards/Commissions: Sustainability Commission

STAFF RECOMMENDATION

A staff recommendation will be completed at the time of submittal of this Study Issue Paper to the Office of the City Manager.



City of Sunnyvale

Agenda Item

19-1119

Agenda Date: 10/21/2019

Community Condition Indicators for Environmental Health



Sunnyvale

Study Issue Form

The Study Issues process is designed to assist City Council with setting priorities for the coming calendar year. Board and commission members have two roles in this process:

1. To advise Council regarding the identification of policy issues to study, within their relevant area of authority;
2. To advise Council on those issues Council has decided to study.

The study issues process should focus on considering a new or revised ordinance, new or expanded service delivery program, changes to existing Council Policy, or amendments to the General Plan. The Study Issues Form is designed to focus board and commissioner members' ideas on potential policy study issues, and provide the opportunity for staff feedback and guidance in a transparent process. *Board members or commissioners may only fill out a form for study issue ideas within their purview.*

Date Submitted to Staff

Liaison:

Board/ Commission:

Workplan Year:

Submitted by:

Study Issue Working

Title:

1. What are the key elements of the issue? What precipitated this study?

2. Staff Summary of Scope and/or Comments: [Staff Use Only]

Community Condition Indicators for Environmental Health

2. Staff summary of Scope and/or Comments: [Staff Use Only]

The study proposed would entail securing a consultant to evaluate or develop metrics in the various environmental dimensions described in the proposal.

A more focused approach would include reviewing the existing CCI's and using the Climate Action Playbook as a resource for additional metrics. The CCI's already include 5 indicators (#81-85) that intersect with the City's Climate Action Playbook (CAP). These would be reviewed for their alignment to the CAP, and the following would be considered for additional indicators:

- a) Targets in the At-A-Glance: Pathway to 2050 (pg. 9);
- b) Key metrics to be tracked in Table 10 of Appendix B: Technical Background (pg. 103); and
- c) Additional metrics to measure progress on specific moves (projects or programs) to be developed with implementation*.

*Note: Program-specific metrics may be more appropriately reported as a part of a department's Performance Indicators, rather than in CCIs.

Reporting on these metrics was already posed in the Playbook to be included in an annual CAP Scorecard. Reporting visually via dashboards will be developed as a part of the CAP's Move 5.G to "Implement improvements for climate action data performance tracking and reporting progress to the public (e.g., community dashboard)."

Evaluating how all the CCIs are further publicized would entail a review of potential locations on the City's website from which the CCIs could be linked to as a document separate from the Budget book



City of Sunnyvale

Agenda Item

19-1113

Agenda Date: 10/21/2019

Updated Annual Work Plan October 2019

2019 Master Work Plan

Sustainability Commission Annual Calendar

Updated October 15, 2019

MEETING DATE	AGENDA ITEM/ISSUE
January 22	<ul style="list-style-type: none"> SVCE-wide GHG inventory and metrics (SVCE staff) Rank 2019 Study Issues
February 19	<ul style="list-style-type: none"> Community Engagement and Behavior Change (Commissioner Presentation: Wickham) Potential Study Issue: Evaluate Potential for Greater Implementation of Complete Streets Policy
March 18	<ul style="list-style-type: none"> Green Building Program Update (public hearing)
April 15 (special meeting)	<ul style="list-style-type: none"> Climate Action Playbook Joint Info Study Session
May 20	<ul style="list-style-type: none"> Review Recommended Budget
June 17	<ul style="list-style-type: none"> Recognition of Service (Separate Event June 20) Waste-to-Energy (Commissioner Presentation: Joesten) Nominate a representative to serve on the El Camino Real Plan Advisory Committee (ECRPAC)
July 15	<ul style="list-style-type: none"> Selection of Chair and Vice Chair Climate Action Playbook City Hall Schematic Design
August 19	<ul style="list-style-type: none"> Building Information Management Systems (Commissioner Presentation: Zornetzer) Green Stormwater Infrastructure Plan Review and Discuss Draft Study Issues
September 16	<ul style="list-style-type: none"> Review and Discuss Draft Study Issues
October 21	<ul style="list-style-type: none"> Final Month to Sponsor Study Issues Draft 2020 Master Work Plan Draft Proposal for FY 2020-2021 Sustainability Speaker Series Climate Resilience and Adaptation Plans for Bay Area Cities (Commissioner Presentation: Paton)
November 18	<ul style="list-style-type: none"> Approve 2020 Annual Master Work Plan Best Practices from Leading City Climate Action Plans (Commissioner Presentation: Paton, Kunz) Approve Proposal for FY 2020-2021 Sustainability Speaker Series
December 16	<ul style="list-style-type: none"> Annual Review of Code of Ethics and Conduct for Elected and Appointed Officials

Additional Public Hearing items to be scheduled:

- Study Issues ranking date to be determined based on 2019 Study Issues Workshop date
- Environmentally Preferable Purchasing Policy
- Downtown Specific Plan
- Lawrence Station Area Plan
- El Camino Real Corridor Plan
- Update on Transportation Programs/Implementation of Vehicle Miles Traveled metric (*presentation only*)
- Heat Pump Study Issue (staff presentation¹)

Additional Presentations/Updates from Staff requested by Commission:

Tier 1 (highly desired updates)

- Update on Water Supply Issues
- Update on SVCE customer programs
- Update on Progress Toward Solid Waste Diversion Goal
- Update on Clean Water Program

Tier 2

- Update on Moffett Park Specific Plan
- Update on Resilient by Design
- Update on Peery Park Rides Shuttle Program (can be provided via email)
- Update on Dockless Bicycle Pilot Program (can be provided via email)
- Update on Air Quality in Sunnyvale (City and/or BAAQMD staff)

Potential Commissioner Presentation Topics:

- Transportation Leading Practices
- Best Practices for Pesticide Management
- Best Practices for Single Use Plastics Management

¹ This item may be presented at a Joint Commission (Planning and Sustainability) special meeting instead of a regular meeting.