



**DATE:** September 13, 2016

**CATEGORY:** Unfinished Business

**DEPT.:** Community Development

**TITLE:** **Environmental Sustainability Action Plan 3**

### **RECOMMENDATION**

Adopt the Environmental Sustainability Action Plan 3 (ESAP-3) as a continuing road map for the City's sustainability initiatives for Fiscal Years 2016-17 through 2018-19, as shown in Attachment 1 to the Council report, and appropriate and transfer \$100,000 from the General Fund Reserve to the General Fund. (Five votes required)

### **BACKGROUND**

The City Council adopted an original Environmental Sustainability Action Plan (ESAP) in March 2009 for Fiscal Years 2008-09 through 2010-11, to serve as a road map for achieving the City's short- and long-term sustainability goals. Subsequently, the Council adopted Environmental Sustainability Action Plan 2 (ESAP-2) in April 2012 for Fiscal Years 2011-12 through 2013-14. After ESAP-2, the Council adopted a communitywide Climate Protection Road Map (CPR) and Municipal Operations Climate Action Plan (MOCAP) as road maps for achieving the City's greenhouse gas reduction targets through 2050.

The Council Environmental Sustainability Committee (CESC) met on May 10, 2016 to provide feedback to staff on a Draft ESAP-3. The CESC identified their highest-priority actions, which were presented in a report to the City Council during a Study Session on June 14, 2016, as shown in Attachment 2.

For more information on how the ESAP-3 was developed, see Attachment 2.

### **ANALYSIS**

While the overall focus of the City's sustainability program is to achieve Mountain View's short- and long-term greenhouse gas (GHG) reduction targets, the proposed ESAP-3 actions encompass the broader environmental sustainability spectrum.

The ESAP-3 actions are delineated as either “New” or “Existing.” The “Existing” actions are included to provide visibility into the broad array of sustainability-related initiatives already funded or under way. The ESAP-3 actions are further broken down over the three fiscal years by “Community” and “Municipal Operations,” and encompass a number of areas: climate change, energy, outreach, purchasing, transportation, waste, and water. Fiscal Years 2017-18 and 2018-19 contain fewer actions than Fiscal Year 2016-17 due to the uncertainty of future funding decisions.

### Greenhouse Gas Emissions

At its July 13, 2016 meeting, the Silicon Valley Clean Energy Authority (SVCEA) Board of Directors voted to have the program’s “default” electricity product be 100 percent carbon-free. Based on this decision and new analysis, staff estimates that all of the “New” actions in ESAP-3, plus the estimated reductions from the City’s participation in the SVCE, could reduce emissions by approximately 191,000 MT CO<sub>2</sub>e per year in 2050, or approximately 25 percent of the reductions needed to reach the City’s 2050 communitywide reduction target. Since the majority of the “Existing” actions are transportation-related, these could collectively result in somewhat significant emissions reductions beyond the 25 percent reductions produced by the “New” actions.

### City Council Study Session Feedback

The City Council provided comments on the Draft ESAP-3. Staff evaluated the impact of the Council’s feedback and responded as summarized in the table below. Based on CESC and Council feedback, staff has shaded the actions in ESAP-3 (Attachment 1) deemed high-priority (“A list”). Staff anticipates being able to complete the A list actions, as well as Action 18, which need to be implemented to support other future actions. The remaining “New” actions (“B list”) will be completed if time and resources allow.

Council Comments	Staff Response
A. Develop City requirements for solar photovoltaic (PV) and electric vehicle (EV) installations in residential and nonresidential new construction and remodels.	Staff added No. 5.
B. As soon as it is available and ongoing, purchase 100 percent renewable energy for City operations through the SVCE Community Choice Energy (CCE) program.	Staff added No. 15, changed the wording of No. 29, and added No. 36.
C. Conduct a community GHG inventory in Fiscal Years 2016-17 and 2018-19.	Staff added No. 31.

### **FISCAL IMPACT**

Most of the ESAP-3 actions are already funded in the Fiscal Year 2016-17 budget, or their cost can be absorbed within the budget. Staff is requesting funding for the following two actions as part of adopting ESAP-3, *noting that staff may not use the total requested amounts*:

- No. 6: Develop a plan and implement SVCEA and overall sustainability outreach and engagement programs targeting residents, businesses, and employees (\$65,000).
- No. 12: Explore the feasibility of installing solar PV systems at additional City facilities (\$35,000).

Other items may require additional funding during the year at the time action is taken on them.

### **ALTERNATIVES**

1. Modify the proposed ESAP-3 by adding, removing, or changing the order of the actions, or do not adopt ESAP-3.
2. Do not provide funding as noted above and do not implement those actions.
3. Provide other direction.

## **PUBLIC NOTICING**

Agenda posting and e-mails sent to community members interested in environmental sustainability.

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Attachments: 1. Environmental Sustainability Action Plan 3  
2. [June 14, 2016 City Council Study Session Memo](#)

cc: ACDD/PM, APWD – Solomon, CBO, PP, ZA, TBM, FFM, SWPM, PSSM, PCE –  
Au, CTE, STE – Lopez, STA, POSM, AP – Hagan