

## Draft Environmental Sustainability Action Plan 3 - 2016-2019

### FY 2016-2017 - NEW Actions<sup>1</sup>: *Community*

#	Action	Source	Focus Area	Lead Depts.	Level of Effort	Funding Approved	Funding Source	Est. Cost	Fin. Savings?	GHG Red. <sup>2</sup>
1	Streamline permitting for heat pumps for space heating and hot water.	CPR	Energy	CDD	Low	Absorb in existing staff and budget resources			✓	High
2	Explore the feasibility of installing additional EV chargers on city property.	CPR	Transport.	CDD	Med.	Absorb in existing staff and budget resources				High
3	Complete 2015 community greenhouse gas inventory.	CPR	Climate Change	CDD	Med.	Y	Gen. Fund	\$15,000		Supporting
4	Exempt Zero Net Energy (ZNE) building retrofits/remodels from planning permits and reduce building plan check fees.	CPR (addition)	Energy	CDD	Low	Absorb in existing staff and budget resources			✓	Unknown
5	Develop a proposal for a sustainability outreach and engagement program targeting residents, businesses, and employees.	CPR & MOCAP	Outreach	CDD	Low-Med.	Absorb in existing staff and budget resources				Unknown

### FY 2016-2017 - NEW Actions: *Municipal Operations*

#	Action	Source	Focus Area	Lead Depts.	Level of Effort	Funding Approved	Funding Source	Est. Cost	Fin. Savings?	GHG Red. <sup>2</sup>
6	Explore installing sub-meters at City facilities for better energy tracking.	MOCAP	Energy	PWD	Med.	Y	C/C Tax	\$10,000-\$30,000	✓	Med.
7	Develop a building management policy that requires City buildings to be retro-commissioned at minimum five-year intervals to ensure optimal facility operations.	MOCAP	Energy	PWD	Med.	Absorb in existing staff and budget resources			✓	Med.
8	Investigate whether an alternative fuel is an effective greenhouse gas reduction strategy for a few heavy-duty fleet vehicles.	MOCAP	Transport.	PWD	Med.	Absorb in existing staff and budget resources				Med.
9	Implement telematics system in City fleet vehicles to optimize driving efficiency.	MOCAP	Transport.	PWD	Med.	Y	Fleet Services	\$20,000	✓	Low
10	Identify and adopt waste reduction and diversion goals for City operations.	MOCAP	Waste	PWD	Med.	Y	Solid Waste	Staff time only		Low
11	Explore the feasibility of installing solar PV systems at additional City facilities.	MOCAP	Energy	CDD/PWD	Med.	N	TBD	\$15,000	✓	Low
12	Perform remaining lighting upgrades at City parking lots. (CIP Project 12-31)	MOCAP	Energy	PWD	Med.	Y	C/C Tax	\$30,000	✓	Low
13	Explore placing green waste bins at parks to support the organics collection program.	MOCAP	Waste	PWD	Med.	Absorb in existing staff and budget resources				Low
14	Adopt LEED Gold as the minimum standard for new city facilities and city building renovations over 10,000 square feet.	MOCAP	Energy	CDD	Low-Med.	Absorb in existing staff and budget resources			✓	Supporting
15	Create a process for allocating some of the savings and rebates from sustainability projects toward new sustainability projects.	MOCAP	Energy	CDD/FASD	Med.	Absorb in existing staff and budget resources			✓	Supporting
16	Complete 2015 municipal operations greenhouse gas inventory.	MOCAP	Climate Change	CDD	Med.-High	Y	Gen. Fund	\$20,000		Supporting
17	Work with PG&E to upgrade 400-500 of their streetlights.	MOCAP (addition)	Energy	PWD	Med.	N/A	PG&E	N/A	✓	TBD
18	Create Transportation Demand Management (TDM) application requirements, thresholds for which development projects require TDMs, and standardized compliance requirements.	Other	Transport.	CDD	Low-Med.	Absorb in existing staff and budget resources				Unknown

**FY 2017-2018 - NEW Actions: Community**

#	Action	Source	Focus Area	Lead Depts.	Level of Effort	Funding Approved	Funding Source	Est. Cost	Fin. Savings?	GHG Red. <sup>2</sup>
19	Explore requiring energy audits for residential and non-residential new construction (at point of sale), tenant improvements, and remodels.	CPR (addition)	Energy	CDD	Med.	Absorb in existing staff and budget resources				Low-Med.
20	Explore new recycling, composting, and garbage processing technologies for the SMaRT Station.	CPR	Waste	PWD	High	N <sup>3</sup>	Solid Waste	TBD		Low
21	Implement a sustainability outreach and engagement program targeting residents, businesses, and employees.	CPR & MOCAP	Outreach	CDD	Med.-High	N	Gen. Fund	Variable		Unknown

**FY 2017-2018 - NEW Actions: Municipal Operations**

#	Action	Source	Focus Area	Lead Depts.	Level of Effort	Funding Approved	Funding Source	Est. Cost	Fin. Savings?	GHG Red. <sup>2</sup>
22	Explore setting organization-wide or department-level paper reduction targets.	MOCAP	Waste	IT	Low	Absorb in existing staff and budget resources			✓	Low
23	Explore opportunities to install solar hot water heaters on City properties.	MOCAP	Energy	PWD	Med.	N	TBD	TBD	✓	Low
24	Upgrade lighting at City-owned parking garages.	MOCAP	Energy	PWD	Med.	N	TBD	\$90,000	✓	Low
25	Upgrade lighting at Cuesta Park tennis courts.	MOCAP	Energy	PWD	Med.	N	TBD	\$117,120	✓	Low
26	Upgrade lighting at Rengstorff Park tennis courts.	MOCAP	Energy	PWD	Med.	N	TBD	\$58,560	✓	Low
27	Explore purchasing 100% renewable energy for City operations through the Silicon Valley Clean Energy CCE program.	MOCAP	Energy	CDD	Low-Med.	N	TBD	\$100,000-\$125,000		Supporting (High)
28	Amend the zoning ordinance to exempt specific environmental-related building improvements from requiring a planning permit.	Other	Energy	CDD	Low-Med.	Absorb in existing staff and budget resources				N/A

**FY 2018-2019 - NEW Actions: Community**

#	Action	Source	Focus Area	Lead Depts.	Level of Effort	Funding Approved	Funding Source	Est. Cost	Fin. Savings?	GHG Red. <sup>2</sup>
29	Evaluate updating the Mountain View Green Building Code.	CPR (addition)	Energy	CDD	Med.-High	N	TBD	\$0-\$10,000		Unknown
30	Implement a sustainability outreach and engagement program targeting residents, businesses, and employees.	CPR & MOCAP	Outreach	CDD	Med.-High	N	Gen. Fund	Variable		Unknown

**FY 2018-2019 - NEW Actions: Municipal Operations**

#	Action	Source	Focus Area	Lead Depts.	Level of Effort	Funding Approved	Funding Source	Est. Cost	Fin. Savings?	GHG Red. <sup>2</sup>
31	Update the Environmentally Preferable Purchasing Policy.	MOCAP	Purchasing	FASD	Low-Med.	Absorb in existing staff and budget resources				Low
32	Replace paper-based work order management system with mobile devices for Fleet and Parks staff. (CIP Project 15-18)	MOCAP (addition)	Waste	IT	High	Y	Multiple <sup>4</sup>	\$350,000	✓	Low
33	Update Building Division software to track historic sustainability-related project permits.	Other	Energy	CDD	High	N	TBD	\$35,000		N/A

FY 2016-2017 - EXISTING Actions<sup>5</sup>: Community

#	Action	Source	Focus Area	Lead Depts.	Level of Effort	Funding Approved	Funding Source	Est. Cost	Fin. Savings?	GHG Red. <sup>2</sup>
34	Continue supporting the Silicon Valley Clean Energy CCE program through launch.	CPR	Energy	CDD	Med.-High	Y	Gen. Fund	\$350,000		Very High
35	Implement a residential organics collection program, if directed by Council.	ESTF	Waste	PWD	High	Y	Solid Waste	\$80,000- \$620,000		Supporting
36	Continue engaging with North County and West Valley cities to advocate for our interests with VTA.	CPR	Transport.	PWD	Low-Med.	Absorb in existing staff and budget resources				Unknown
37	Implement the 10 priority projects in the 2015 Bicycle Transportation Plan Update.	CPR (addition)	Transport.	PWD	Low-High	Partially	Google Funding, C/C Tax, Merlone Geier	\$6.9-\$7.3 M		Unknown
38	Complete the Transit Center Master Plan (CIP Project 16-41).	CPR (addition)	Transport.	PWD	Med.	Y	C/C Tax, Shoreline Community	\$1 M		Unknown
39	Conduct a feasibility study of an automated transit network between the downtown transit center and the North Bayshore.	CPR (addition)	Transport.	PWD	Med.	Partially	TBD	\$300,000		Unknown
40	Construct crosswalk improvements (pedestrian activated flashers) at W. Middlefield/Independence-Thaddeus (CIP Project 15-23).	CPR (addition)	Transport.	PWD	Med.	Y	C/C Tax, Grants, & Transportation Development Act	\$283,000		Unknown
41	Construct crosswalk improvements (pedestrian activated flashers) at W. Middlefield/Rock .	CPR (addition)	Transport.	PWD	Med.	Developer project; City reviewed				Unknown
42	Construct crosswalk improvements (pedestrian activated flashers) at Rengstorff/Rock.	CPR (addition)	Transport.	PWD	Med.	Developer project; City reviewed				Unknown
43	Construct Calderon Avenue bike lane (between Evelyn and Mercy Street).	CPR (addition)	Transport.	PWD	Med.	Y	Google & C/C Tax	\$325,000		Unknown
44	Study adding bike lanes to Latham Street (between Showers and Calderon).	CPR (addition)	Transport.	PWD	Med.	Y	Google	\$130,000		Unknown
45	Construct green bike lane pilot project.	CPR (addition)	Transport.	PWD	Med.	Y	Google & C/C Tax	\$230,000		Unknown
46	Construct Neighborhood Traffic Management Program (NTMP) various projects throughout the City.	CPR (addition)	Transport.	PWD	Med.	Y	C/C Tax	Variable		Unknown
47	Construct crosswalk improvements (pedestrian-activated flashers) at El Monte/Marich (Proposed CIP FY 2016-2017).	CPR (addition)	Transport.	PWD	Med.	Y	C/C Tax	\$250,000		Unknown
48	Complete the Shoreline Boulevard Adaptive Signal Project.	CPR (addition)	Transport.	PWD	High	Y	C/C Tax, Shoreline Community, Grant	\$1.6 M		Unknown
49	Implement Castro Street road diet (between Miramonte and El Camino), including a protected bike lane near Graham Middle School.	CPR (addition)	Transport.	PWD	High	Y	C/C Tax & Grant	\$950,000		Unknown
50	Construct traffic signal modification (includes safety improvements for bikes & pedestrians) at Rengstorff/Montecito.	CPR	Transport.	PWD	High	Developer project; City reviewed				Unknown
51	Construct Permanente Creek Trail extension (between Rock and Middlefield) and complete bike & pedestrian improvements at Middlefield/Farley traffic signal.	CPR (addition)	Transport.	PWD	High	Y	Shoreline Community and Parkland	\$1.375 M		Unknown
52	Offer rebate programs for installation of water-efficient technologies and/or landscaping.	Other	Water	PWD	Low	Absorb in existing staff and budget resources				N/A
53	Provide water use reports and water audits for residents and/or large landscape customers.	Other	Water	PWD	Low-Med.	Absorb in existing staff and budget resources				N/A
54	Continue education and outreach, including school visits, landscape classes, event staffing, and utility bill messaging.	Other	Water	PWD	High	Absorb in existing staff and budget resources				N/A
55	Implement advanced water metering pilot project(s) (CIP 15-54).	Other	Water	PWD	High	Y	Water Fund & SCVWD Grant	\$165,000		N/A

**FY 2016-2017 - EXISTING Actions: *Municipal Operations***

#	Action	Source	Focus Area	Lead Depts.	Level of Effort	Funding Approved	Funding Source	Est. Cost	Fin. Savings?	GHG Red. <sup>2</sup>
56	Produce a green purchasing handbook.	MOCAP	Purchasing	FASD	Med.	Absorb in Existing Staff and Budget Resources				Supporting (Low)

**FY 2017-2018 - EXISTING Actions: *Community***

#	Action	Source	Focus Area	Lead Depts.	Level of Effort	Funding Approved	Funding Source	Est. Cost	Fin. Savings?	GHG Red. <sup>2</sup>
57	Continue participating in the Silicon Valley Clean Energy CCE program.	CPR	Energy	CDD	Med.	Absorb in existing staff and budget resources			✓	Very High
58	Implement residential waste reduction program.	ESTF	Waste	PWD	High	N	Solid Waste	TBD		Low
59	Construct Shoreline Boulevard reversible bus lane, bike lanes, and pedestrian improvements (between Middlefield Rd. and Space Park Way).	CPR (addition)	Transport.	PWD	High	Y	Shoreline Community, Water, Wastewater	\$12.54 M		Unknown
60	Re-construct Shoreline Boulevard bike/pedestrian pathway (between Villa and Wright Ave.).	CPR (addition)	Transport.	PWD	High	N	TBD	\$2.26 M		Unknown
61	Construct traffic signal modification (includes safety improvements for pedestrians) @ Grant/Phyllis-Martens.	CPR (addition)	Transport.	PWD	High	Y	Google & C/C Tax	\$900,000		Unknown
62	Construct traffic signal modification (includes safety improvements for pedestrians) @ Shoreline/Villa.	CPR (addition)	Transport.	PWD	High	Y	C/C Tax	Unknown		Unknown
63	Complete evaluation of advanced water metering pilot project(s) (CIP 15-54).	Other	Water	PWD	High	Y	Water Fund & SCVWD Grant	\$10,000		N/A

**FY 2017-2018 - EXISTING Actions: *Municipal Operations***

#	Action	Source	Focus Area	Lead Depts.	Level of Effort	Funding Approved	Funding Source	Est. Cost	Fin. Savings?	GHG Red. <sup>2</sup>
64	Identify funding and install EV chargers for Fleet use.	MOCAP	Energy	PWD	Med.	N	TBD	\$30,000	✓	Supporting (Med.-High)
65	Review all in-house copiers and printers for energy efficiency and incorporate EPEAT standards into equipment evaluation.	MOCAP (addition)	Energy	IT	Low	Y	Dept. Budgets / Gen. Fund	< \$1,000	✓	Supporting (Low)
66	Conduct waste audits and surveys at City facilities to engage employees in waste reduction efforts and improve diversion rates. Pursue green business certification for City facilities.	MOCAP	Waste	PWD	Med.	Y	Solid Waste	Staff time only		Supporting (Low)
67	Replace 450 desktop computers with virtual desktop infrastructure (VDI) devices.	MOCAP (addition)	Energy	IT	High	Y	Gen. Fund, Equipment Replacement	Cost-saving	✓	Supporting (Low)

**FY 2018-2019 - EXISTING Actions: *Community***

#	Action	Source	Focus Area	Lead Depts.	Level of Effort	Funding Approved	Funding Source	Est. Cost	Fin. Savings?	GHG Red. <sup>2</sup>
68	Continue participating in the Silicon Valley Clean Energy CCE program.	CPR	Energy	CDD	Med.	Absorb in existing staff and budget resources			✓	Very High

**FY 2018-2019 - EXISTING Actions: *Municipal Operations***

#	Action	Source	Focus Area	Lead Depts.	Level of Effort	Funding Approved	Funding Source	Est. Cost	Fin. Savings?	GHG Red. <sup>2</sup>
69	Develop a supplier/vendor Code of Conduct for incorporation into bid documents.	MOCAP (addition)	Purchasing	FASD	Low	Absorb in existing staff and budget resources				TBD

<sup>1</sup> An action is “New” if it was not funded prior to the beginning of FY 2016-17.

<sup>2</sup> An estimate of the GHG reduction potential of implementing the actions stated or being investigated. For most actions, emissions reduction potential was taken from the originating documents (e.g. CPR, MOCAP). For actions not in these documents an estimation was made, since more accurate reduction amounts cannot be determined until the actions are more fully developed and scoped.

<sup>3</sup> To be requested as multi-year CIP to prepare for expiration of all solid waste contracts in 2021.


<sup>4</sup> Multiple funding sources: Development Services, C/C Tax, Community, Water, Wastewater, Solid Waste Management, Equipment Maintenance. These funds support several Information Technology projects and funding sources are not available on a per-project basis.

<sup>5</sup> An action is “Existing” if it was funded prior to the beginning of FY 2016-17, or if it is planned but funding has not yet been approved.

CPR = Climate Protection Roadmap (2015)

MOCAP = Municipal Operations Climate Action Plan (2015)

ESTF = Environmental Sustainability Task Force (2008)

 = Deemed high priority by the Council Environmental Sustainability Committee (CESC)