


## 2018-2020 Sustainability Implementation Plan: 2018 Snapshot



### ENERGY GOALS


- Drive building efficiency and electrification through voluntary and mandatory programs
- Mitigate the impacts of natural gas use through carbon offsets (short term) and electrification (mid-to long-term)

**KPIs**

	➤ <b>Building Energy Efficiency Savings</b>	<b>FY17</b>	<b>FY18</b>
	% Electric Efficiency Savings	0.65%	0.63%
	% Gas Efficiency Savings	0.81%	0.97%
	➤ <b>Avoided Natural Gas Use Due to Electrification Programs</b>	<b>2017</b>	<b>2018</b>
	Cumulative Savings (therms)	1,453	4,916

**2018 Projects Highlights**

- Achieved carbon neutrality for the FY 2018 gas supply portfolio
- Issued RFP for new energy efficiency programs
- Hosted an All-Electric Multifamily (MF) Building open house and a Heat Pump Water Heater workshop
- Received grant funding for a MF Gas Furnace to Heat Pump Retrofit pilot
- Completed a Thermal Microgrid feasibility assessment study
- 90% completion of replacement sludge incinerator facility



### WATER GOALS


- Reduce inefficient water consumption
- Ensure adequate water supply from sustainable sources
- Protect canopy, creeks, groundwater and the bay

**KPIs**

		<b>2017</b>	<b>2018</b>
	➤ Per Capita Potable Water Use (Gallons/Per Capita/Day)	134	142
	➤ % Recycled Water (RW) Use (Volume of RW/RW filter Capacity)	16%	18%

**2018 Projects Highlights**

- Submitted recommendations for the 2019 Green Building Ordinances on gray water and water efficiency
- Completed 85% draft Green Stormwater Infrastructure Plan
- Completed Recycled Water Phase III Expansion Pipeline Business Plan
- Identified water reuse alternatives
- In discussion with Santa Clara Valley Water District and City of Mountain View for funding remainder of design and construction of salt removal facilities



### MOBILITY GOALS


- Reduce Single Occupancy Vehicle (SOV) travel
- Make it more convenient not to drive

**KPIs**

	➤ <b>SOV commute mode share</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
	Drive Alone (Downtown)	57%	56%	53%	49%
	Transit (Downtown)	18%	18%	20%	27%
	Rideshare (Downtown)	5%	6%	8%	9%
	➤ <b>Transit Ridership (Caltrain)</b>		<b>FY2016</b>	<b>FY2017</b>	<b>FY2018</b>
	Average Weekday Ridership		9,052	9,072	9,457
	➤ <b>Commute Benefits</b>		<b>2016</b>	<b>2017</b>	<b>2018</b>
	City Employee Participation		269	288	275

**2018 Projects Highlights**

- Participated in and advocated for regional transit programs
- Launched the FTA Mobility on Demand Demonstration project
- Increased active transportation mode share for school commutes
- Tracked performance of Palo Alto TMA programs
- Adopted a Workforce Housing Ordinance



### ELECTRIC VEHICLE GOALS

- Accelerate electric vehicle (EV) penetration
- Make "Going EV" more convenient and economical than using fossil fueled vehicles

**KPIs**

		<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
	➤ EV penetration (Palo Alto)	1,200	2,000	3,100	4,000
	➤ GHG emissions avoided (MT CO2e)	2,880	4,800	7,440	9,600

**2018 Projects Highlights**

- Drafted plan to diversify the EV charging network (superchargers, DC fast chargers, curb-side charging pilot)
- Provided EV Charger installation rebates to multi-family and non-profit properties
- Piloted world's first full-sized all-electric side-loading refuse truck
- Identified City fleet sedans that could be replaced with EVs
- Completed a Residential Customer DER Survey, gaining insight into customer preferences and decision-making criteria for EV adoption
- Co-sponsored workshops and ride-and-drive events for 400+ customers