

# CAP Annual Update 2017

## CAP MEASURE KEY METRICS

Measure		Time Frame	Lead Department	Key Metric
PA 1	Increased density for new housing	By 2020	Community Development Department	- Cumulative number of multifamily units, included duplexes and townhomes, constructed since 2014  <i>716 new housing units were under construction since 2014.</i>
PA 2	LED bulbs for remaining streetlights	By 2015	Public Works	- Have all streetlights been converted to LED bulbs?  <i>3,500 fixtures converted in 2016. Phase 2 with 1,050 fixtures is underway with completion in June 2017.</i>
PA 3	Digester gas to biomethane	By 2016	Public Works	- Is the Wastewater Treatment Plant's Digester Gas to Biomethane project operational?  <i>This CNG station opened August 2016.</i>
PA 4	County Health Building solar	By 2020	Community Development Department	- kW potential of the solar panel array installed on the County Health building  <i>A 1MW installation was completed in 2015.</i>
PA 5	Downtown Parking Management Plan	By 2020	Public Works	- Have higher parking rates been put into effect as identified in the Downtown Parking Management Plan?  <i>Higher parking rates went into effect in July 2015.</i>
RE 1	Expanded options to purchase renewable electricity from other sources – Encourage	By 2016	City Manager's Office	- Number of kWh supplied by PG&E Green Tariff or related program  <i>No action to date due to implementation of RE 2.</i>

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RE 2	Community Choice Aggregation – Require	By 2018	City Manager’s Office	<ul style="list-style-type: none"> <li>- Number of kWh supplied by CCA</li> </ul> <p><i>Peninsula Clean Energy launched in October 2016.</i></p>
RE 3	Renewable energy systems for new residences – Require	By 2016	City Manager’s Office, Community Development	<ul style="list-style-type: none"> <li>- Cumulative number of kW potential of installed rooftop PV arrays since 2014</li> <li>- Cumulative number of homes or units with solar water heaters installed since 2014</li> </ul> <p><i>See results in RE 4.</i></p>
RE 4	Renewable energy systems for existing residences – Incentivize	By 2016	City Manager’s Office, Community Development	<ul style="list-style-type: none"> <li>- Cumulative number of kW potential of installed rooftop PV arrays since 2014</li> <li>- Cumulative number of homes or units with solar water heaters installed since 2014</li> </ul> <p><i>652 solar installation permits have been issued since 2014. Total cumulative kW not currently available.</i></p>
RE 5	Renewable energy systems for new nonresidential buildings – Require	By 2016	City Manager’s Office, Community Development	<ul style="list-style-type: none"> <li>- Cumulative number of kW potential of installed rooftop PV arrays since 2014</li> <li>- Cumulative nonresidential square feet of floor space with solar water heaters installed since 2014</li> </ul> <p><i>Included in total reported in RE 4.</i></p>
RE 6	Renewable energy systems for existing nonresidential buildings – Incentivize	By 2018	City Manager’s Office, Community Development	<ul style="list-style-type: none"> <li>- Cumulative number of kW potential of installed rooftop PV arrays since 2014</li> <li>- Cumulative nonresidential square feet of floor space with solar water heaters installed since 2014</li> </ul> <p><i>Included in total reported in RE 4.</i></p>
RE7	Advanced and emerging renewable energy systems – Encourage	By 2016	City Manager’s Office, Community Development	None – supportive measure

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EE 1	Residential energy efficiency owner-occupied retrofits – Encourage	By 2015	City Manager's Office, Community Development	<ul style="list-style-type: none"> <li>- Cumulative number of homes or units with energy-efficient retrofits since 2014</li> <li>- Cumulative number of homes or units retrofitted with energy-efficient appliances since 2014</li> <li>- Cumulative number of homes with Variable Frequency Drive (VFD) pool pumps installed since 2014</li> </ul> <p><i>A total of 69 homes received rebates from the Home Upgrade program for extensive retrofits.</i></p>
EE 2	Residential energy efficiency renter-occupied retrofits – Incentivize	By 2018	City Manager's Office, Community Development	<ul style="list-style-type: none"> <li>- Cumulative number of homes or units with energy-efficient retrofits since 2014</li> <li>- Cumulative number of homes or units retrofitted with energy-efficient appliances since 2014</li> </ul> <p><i>A total of 887 multi-family units received rebates for retrofits from the Energy Upgrade program for extensive retrofits. A total of 58 rental units in 2015 and 308 rental units in 2016 received audits and low-cost direct install retrofits through the Energy Savings Assistance Program.</i></p>
EE 3	Nonresidential energy efficiency retrofits – Incentivize	By 2016	City Manager's Office, Community Development	<ul style="list-style-type: none"> <li>- Cumulative nonresidential square feet of floor space with retrocommissioning since 2014</li> <li>- Cumulative nonresidential square feet of floor space with energy-efficient retrofits since 2014</li> <li>- Cumulative nonresidential square feet of floor space with energy-efficient appliances installed since 2014</li> </ul> <p><i>A total of 35 businesses received retrofits through the Energy Efficiency Upgrades for Small Business program since 2014.</i></p>

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EE 4	Energy efficiency at healthcare centers – Incentivize	By 2016	City Manager’s Office, Community Development	- Cumulative square feet of healthcare floor space with retrocommissioning since 2014 - Cumulative square feet of healthcare floor space with energy-efficient retrofits since 2014  <i>No progress to date.</i>
EE 5	Residential energy education and low-cost retrofits – Encourage	By 2015	City Manager’s Office, Community Development	-Is the City providing a comprehensive home energy education and outreach program?  <i>The City has partnered with both BAYREN and El Concilio to do energy education and outreach. El Concilio provided outreach in both English and Spanish. A total of 58 rental units in 2015 and 308 rental units in 2016 received audits and low-cost direct install retrofits through the Energy Savings Assistance Program.</i>
EE 6	Nonresidential energy education and low-cost retrofits – Encourage	By 2016	City Manager’s Office, Finance	-Is the City providing a comprehensive business energy education and outreach program?  <i>The City did extensive outreach for the Energy Efficiency Upgrades for Small Business Program in 2015. Program will restart in Fall 2017.</i>
ME 1	Energy efficiency for new City buildings – Incentivize	By 2016	Public Works	None – supportive measure
ME 2	Energy efficiency at existing City buildings – Incentivize	By 2016	Public Works	None – supportive measure
AF 1	Public EV charging stations – Require	By 2015	City Manager’s Office, Public Works	- Total number of public EV charging stations  <i>The City has installed a total of 10 Level 2 Chargers and 2 DC Chargers on City property. Combined average of 1,222 sessions per month.</i>
AF 2	Increased EV adoption – Require	By 2018	City Manager’s Office, Community Development	- Total number of registered EVs  <i>1,365 total registered EVs in City of San Mateo.</i>

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AT 1	Public shuttles – Encourage	By 2015	City Manager's Office, Public Works	- Total number of annual Caltrain shuttle riders  <i>Annual ridership in 2015 was 63,395 and 56,343 in 2016.</i>
AT 2	Transportation Demand Management (TDM) – Require	By 2018	Community Development, Public Works	- Cumulative percent of new development with TDM standards  <i>Do not have access to data.</i>
AT 3	Expand car share program – Incentivize	By 2015	City Manager's Office, Public Works	- Total number of car share vehicles  <i>There are 10 Zipcars serving San Mateo at the present time.</i>
AT 4	Increase bicycle mode share – Incentivize	By 2020	Public Works	- Cumulative number of miles of new bike lanes since 2005  <i>20.3 miles of sharrows and 0.6 miles of Class II bike lanes were installed since 2015 .</i>
AT 5	Increase pedestrian mode share – Require	By 2020	Public Works, Community Development	None – supportive measure
SW 1	Increase participation in composting program – Require	By 2020	Public Works	- Total annual tons of organic waste composted  <i>16,274 tons were composted in 2015 and 18,084 tons were composted in 2016.</i>
WW 1	Water efficiency retrofits for existing buildings – Incentivize	By 2018	City Manager's Office	- Cumulative number of homes with water efficiency upgrades  <i>Do not have access to data.</i>
WW 2	Water-efficient landscaping – Require	By 2015	Community Development, Parks and Recreation	None – supportive measure
WW 3	Develop new sources of non-potable water – Incentivize	By 2020	Public Works, Community Development	None – supportive measure
OR 1	Alternative fuel lawn and garden equipment – Encourage	By 2018	Public Works, Parks and Recreation	- Cumulative number of lawn mowers traded in for electric models  <i>Do not have access to data.</i>

Measure		Time Frame	Lead Department	Key Metric
OR 2	Alternative fuel construction equipment – Encourage	By 2016	Community Development, Public Works	- Annual percent of construction projects using at least 25% alternative-fueled equipment  <i>Do not have access to data.</i>