

Att 2 - San Mateo Top CAP Measures by Emission Impact

	CAP MEASURE	PROJECTED 2020 GHG REDUCTIONS (MTCO ₂ e)	CAP KEY METRICS	STATUS
RE2	Community Choice Aggregation – Require	23,720	Number of kilowatt hours supplied by PCE.	Peninsula Clean Energy was adopted in 2016 and all accounts were transferred by May 2017. The opt-out rate is currently 2.7%. In 2019, PCE supplied 458,260 MWh.
SW2	Increase participation in composting program - Require	8,940	Total annual tons of organic waste composted.	Total annual organic waste composted: 2015: 16,274 tons 2016: 18,084 tons 2017: 19,196 tons 2018: 18,773 tons 2019: 19,066 tons
AF2	Increase EV adoption - Require	6,110	Total number of registered Electric Vehicles.	As of January 1, 2018, 1,413 electric vehicles were registered in the City of San Mateo and 8,229 electric vehicles in the County of San Mateo. As of January 1, 2019, 12,312 electric vehicles are registered in the County of San Mateo (city-level data is not available).
EE3	Nonresidential energy efficiency retrofits - Incentivize	3,990	Since 2014: Cumulative nonresidential square feet floor space with retro-commissioning. Cumulative nonresidential square feet of floor space with energy efficiency retrofits and with <u>energy efficiency appliances</u> .	68 businesses received retrofits. Cumulative sq. ft. info not available.
RE4	Renewable energy systems for existing residences - Incentivize	3,970	Since 2014: Cumulative kilowatt potential of installed rooftop solar arrays. Cumulative number of homes or units with solar water heaters installed.	In 2019, 251 solar installation permits issued for residential and commercial properties. Kilowatt potential data is not available. Cumulative data is not available.
AT2	Transportation Demand Management (TDM)- Require	3,090	Cumulative percent of new developments with TDM standards.	TDM required in the Rail Corridor only at this time. Cumulative data is not available.
AT 3	Expand car share program – Incentivize	2,120	Total number of car share vehicles.	In 2019, three Zipcars are serving San Mateo.
PA3	Digester gas to biomethane - Planned	1,750	Completion of the Wastewater Treatment Plant digester Gas to Biomethane project.	The project was completed in 2016.
EE 4	Energy efficiency at healthcare centers – Incentivize	1,710	Cumulative square feet of healthcare floor space with retro commissioning since 2014. Cumulative square feet of healthcare floor space with energy-efficient retrofits since 2014.	No action to date by City. Cumulative square foot data is not available on actions taken by healthcare centers.
PA1	Increased density for new housing - Planned	1,680	Cumulative number of multifamily units constructed since 2014.	1,363 new multifamily housing units have been constructed since 2014.
PA5	Downtown Parking Management Plan Implementation - Planned	1,570	Implementation of parking rate increases as proposed by the Downtown Parking Management Plan.	Higher parking rates went into effect in July 2015 and increased again in July 2018.
AT 4	Increase bicycle mode share – Incentivize	660	Cumulative number of miles of new bike lanes since 2005.	New bike lanes built since 2005 include: 6 miles of Class I, 18 miles of Class II, and 20 miles of Class III.
EE 2	Residential energy efficiency renter-occupied retrofits – Incentivize	650	Since 2014: Cumulative number of homes or units with energy-efficient retrofits. Cumulative number of homes or units retrofitted with energy-efficient appliances.	Nine multifamily properties including 664 units energy efficiency retrofits. No data is available on the number of homes retrofitted with energy-efficient appliances.

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RE 6	Renewable energy systems for existing nonresidential buildings – Incentivize	560	Since 2014: Cumulative kilowatt potential of installed rooftop solar arrays. Cumulative nonresidential square feet of floor space with solar water heaters installed.	In 2019, 251 solar installation permits issued for residential and commercial properties. Kilowatt potential data is not available. No data is available on solar water heater installations.
RE 1	Expanded options to purchase renewable electricity from other sources – Encourage	500	Number of kilowatt hours supplied by PG&E Green Tariff or related program.	No action planned due to implementation of RE2 - Community Choice Aggregation.
EE 1	Residential energy efficiency owner-occupied retrofits – Encourage	440	Since 2014: Cumulative number of homes or units with energy-efficiency retrofits. Cumulative number of homes or units retrofitted with energy-efficient appliances.	96 homes received rebates for energy-efficiency retrofits. In 2019, a new residential program was developed and has served property owners. No data is available on the number of homes retrofitted with energy-efficient appliances.
PA2	LED bulbs for remaining streetlights - Planned	370	Percent of streetlights converted to LED bulbs.	80% of the City's street lights have been converted to LED bulbs.
EE 5	Residential energy education and low-cost retrofits – Encourage	230	Is the City providing a comprehensive home energy education and outreach program?	The City partners with El Concilio and the HomeIntel program to implement this measure. 574 rental units received audits and low-cost direct install retrofits through El Concilio since 2015. There were 110 HomeIntel energy audit registrations since October 2017.
PA4	County Health Building solar installation - Planned	200	Kilowatt potential of the solar panel array installed at the County Health Building.	The County completed a 1 megawatt solar installation in 2015.
RE 3	Renewable energy systems for new residences – Require	140	Since 2014: Cumulative kilowatt potential of installed rooftop solar arrays. Cumulative number of homes or units with solar water heaters installed.	The City adopted a building code mandating renewable energy systems for all new residences in 2016 that went into effect in 2017. The City adopted a building code extending this made through the 2019 code cycle that went into effect in 2020. Kilowatt potential data is not available.
RE 5	Renewable energy systems for new nonresidential buildings – Require	130	Since 2014: Cumulative kilowatt potential of installed rooftop solar arrays. Cumulative nonresidential square feet of floor space with solar water heaters installed.	The City adopted a local amendment to the building code mandating renewable energy systems for new nonresidential buildings in 2016 that went into effect in 2017. The City adopted a local amendment to continue mandating renewable energy systems in 2019. Kilowatt potential data is not available.
EE 6	Nonresidential energy education and low-cost retrofits – Encourage	70	Is the City providing a comprehensive business energy education and outreach program?	The City did extensive outreach for the Energy Efficiency Upgrades for Small Business Program in 2015. 68 businesses completed retrofits through the program as a result of this outreach.
AT 1	Public shuttles – Encourage	50	Total number of annual Caltrain shuttle riders.	Annual shuttle ridership 2015: 63,395 Annual shuttle ridership 2016: 56,343 Annual shuttle ridership 2017: 55,038 Annual shuttle ridership 2018: 58,944 Annual shuttle ridership 2019: 58,005
AF 1	Public EV charging stations – Require	40	Total number of public electric vehicle charging stations.	The City installed a total of 18 Level 2 Chargers and 2 DC Fast Chargers on City property. Other public chargers available in City: 120 chargers at 24 locations
OR 1	Alternative fuel lawn and garden equipment – Encourage	40	Cumulative number of lawn mowers traded in for electric models.	The Parks and Recreation Department continues to use battery-powered at the Japanese garden.
OR 2	Alternative fuel construction equipment – Encourage	30	Annual percent of construction projects using at least 25% alternative-fueled equipment	No action to date.

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WW 1	Water efficiency retrofits for existing buildings – Incentivize	20	Cumulative number of homes with water efficiency upgrades	No action to date.
ME 2	Energy efficiency at existing City buildings – Incentivize	0	None – supportive measure	Municipal energy efficiency upgrades began in August 2018 will continue through 2020 through the PG&E Sustainable Solutions Turnkey contract.
AT 5	Increase pedestrian mode share – Require	0	None – supportive measure	Work in progress through the Safe Routes to School Program.
WW 2	Water-efficient landscaping – Require	0	None – supportive measure	Water Efficient Landscape Ordinance adopted.
WW 3	Develop new sources of nonpotable water – Incentivize	0	None – supportive measure	Work in progress as part of the Clean Water Program.
RE7	Advanced and emerging renewable energy systems – Encourage	0	None – supportive measure	No action to date.
ME 1	Energy efficiency for new City buildings – Incentivize	0	None – supportive measure	No action to date.