

## CAP Matrix - 2021

Measure		Estimated GHG Reduction (MTCO <sub>2</sub> e)		Available Metrics
		2030	2050	
BE 1	All-electric new construction	4,640	7,420	Building Permits issued in 2020: 190 all-electric residential units and 7 all-electric accessory dwelling units
BE 2	All-electric existing buildings	13,950	85,960	Rebates are provided for installation of electric equipment, no data is available on equipment conversion
RE 1	Peninsula Clean Energy	1,060	0	2.8% opt out rate for 2020
RE 2	Renewable energy systems for new and existing residences	170	0	248 solar permits for residential buildings were issued in 2020
RE 3	Renewable energy systems for new and existing nonresidential buildings	70	0	2 solar permits for nonresidential buildings were issued in 2020
EE 1	Residential energy efficiency retrofits	6,030	17,860	16 single family home retrofits through BayREN Home + in 2020
EE2	Nonresidential energy efficiency retrofits	9,930	17,040	Currently, there are 19 certified green businesses in San Mateo
EE 3	Residential tree plantings	<10	<10	150 trees planted on City streets annually
ME 1	Energy efficiency for new municipal buildings	supportive	supportive	The San Mateo Wastewater Treatment Plant Admin Building is pursuing LEED Silver certification
ME 2	Energy efficiency at existing municipal buildings	20	70	Municipal energy efficiency upgrades through SST: Annual Electricity Savings: 1,831,170 kWh Annual Gas Savings: 22,871 therms
ME 3	All-electric municipal buildings	110	210	The new Downtown Parking Garage (part of the Kiku Crossing project) will be all-electric
CF 1	Electric vehicle charging infrastructure	29,630	71,150	25 electric vehicle charging permits were issued in 2020
CF 2	Electric vehicle education and outreach	17,050	17,120	Staff provided information regarding incentives for electric vehicles
CF 3	Clean City fleet	170	420	The City operates a fleet of 232 vehicles, 59 (25%) of these vehicles are alternative fuel vehicles

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CF 4	Clean fuel and vehicle emissions	3,130	7,000	As of 2018, there are 1,236 electric vehicles and 772 plug-in hybrid vehicles registered in San Mateo
ST 1	Bicycle mode share	240	670	2 bike lanes are currently under construction
ST 2	Pedestrian mode share	760	1,110	Complete Streets improvements are in progress on North San Mateo Drive from Baldwin Ave to Peninsula Ave
ST 3	Micromobility and shared mobility	supportive	supportive	No Shared Mobility Permit applications submitted in 2020
ST 4	Public transit services	9,130	25,110	Caltrain ridership counts delayed due to COVID-19
ST 5	Commuter programs	130	3,420	Commute.org continued to offer shuttle service
ST 6	Transportation Demand Management	2,330	8,460	City staff applied for grant funding to develop a citywide Transportation Demand Management ordinance
ST 7	Transit-oriented development	990	2,370	Transit-Oriented Development projects approved in 2020 include the Passages project and Kiku Crossings.
SW 1	Composting program	12,650	14,850	18,600 tons of organic waste composted in 2020
SW 2	Expanded recycling service	5,360	8,530	City's Actual Waste Generation for 2020: Resident 4.5 lb (State goal: 5.8 lb) Employee 8.4 lb (State goal: 13.3 lb)
SW 3	Waste awareness and source reduction	1,910	5,510	City adopted the Disposable Food Service Ware Ordinance
WW 1	Water efficiency retrofits for existing buildings	100	230	8 rain barrel rebates were distributed in FY 2020-21 to date
WW 2	Water-efficient landscaping	<10	0	Staff held virtual workshops to encourage water efficient landscaping
WW 3	Water efficiency in new construction	<10	10	No progress to date
OR 1	Alternative fuel lawn and garden equipment	200	1,140	Staff is developing a rebate program for electric leaf blower equipment