

**Table I-1
Summary of CAP Measures - Quantified Reductions**

Buildings and Energy Strategy - Minimize energy consumption, create high performance buildings, and transition to clean renewable energy sources.

Objective BE-1: Lead by Example with Zero-Emission City Buildings by 2015

Measures	GHG Reduction Potential (MT CO ₂ e)	Percentage of Total GHG Reductions Achieved	Average Annual Cost	Cost per metric ton	Private Cost	Applies to New/ Existing Development
BE-1.1 Install cost-effective renewable energy systems on all City buildings, and install building performance data displays to demonstrate savings.	150	1.0%	\$8,400	\$60	No	-

Objective BE-2: Retrofit Existing Residential and Commercial Buildings to Increase Energy Efficiency and Maximize Use of Renewable Energy

Measures	GHG Reduction Potential (MT CO ₂ e)	Percentage of Total GHG Reductions Achieved	Average Annual Cost	Cost per metric ton	Private Cost	Applies to New/ Existing Development
BE-2.1 Develop comprehensive outreach programs to encourage energy efficiency and renewable energy investments in the community.	2,935	18.7%	\$13,400	\$5	No	-
BE-2.2 Identify and develop low-cost financing products and programs to encourage investment in energy efficiency and renewable energy within existing residential units and commercial buildings.	Supporting measure (BE-2.1 and BE-2.3)	-	\$85k-645k	-	Yes	Existing
BE-2.3 Develop and implement point-of-sale residential and commercial energy efficiency upgrade requirements.	1,310	8.4%	\$2,600	\$2	Yes	Existing
BE-2.4 Identify and facilitate solar energy Empowerment districts in commercial, industrial and mixed-use portions of the city.	2,195	14.0%	\$1,300	\$1	Yes	-

Objective BE-3: Require Energy Performance in New Construction

Measures	GHG Reduction Potential (MT CO ₂ e)	Percentage of Total GHG Reductions Achieved	Average Annual Cost	Cost per metric ton	Private Cost	Applies to New/ Existing Development
BE-3.1 Require new construction to comply with the Tier 2 energy efficiency standards contained within Section 503.1.2 of the California Green Building Code.	1,550	9.9%	\$1,300	\$1	Yes	New

Objective BE-4: Community Energy Management

Measures	GHG Reduction Potential (MT CO ₂ e)	Percentage of Total GHG Reductions Achieved	Average Annual Cost	Cost per metric ton	Private Cost	Applies to New/ Existing Development
BE-4.1 Partner with other neighboring cities and PG&E to fast-track smart grid technology in Albany.	160	1.0%	\$1,300	\$8	No	-
BE-4.2 Work with Alameda County to convert all street lights to LED bulbs or LED-solar systems.	170	1.1%	\$34,000	\$200	No	-
BE-4.4 Encourage PG&E and EBMUD to provide comparative energy and water conservation metrics on utility bills.	130	0.8%	\$1,300	\$10	No	-
Strategy Subtotal	8,600	54.9%				

Transportation and Land Use Strategy - Create an interconnected transportation system and land use pattern that shifts travel from autos to walking, biking, and public transit.

Measures	GHG Reduction Potential (MT CO ₂ e)	Percentage of Total GHG Reductions Achieved	Average Annual Cost	Cost per metric ton	Private Cost	Applies to New/ Existing Development
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Objective TL-1: Facilitate Walking and Biking in the Community

TL-1.1 Expand and enhance bicycle infrastructure throughout the City.	Stage 1: 110; Stage 2: 305 (total)	Stage 1: 0.7%; Stage 2 (Total) 2.0%	Stage 1: \$976,000; Stage 2: \$2,706,000	Stage 1: \$8,900; Stage 2: \$8,900	For both stages: No	-
TL-1.2 Install bike racks in commercial and civic areas of the City where racks do not currently exist.	230	1.5%	\$2,000	\$9	No	-
TL-1.3 Evaluate the community's walking infrastructure, identify potential barriers, and implement improvements.	610	3.9%	\$249,000	\$410	No	-
TL-1.5 Encourage additional neighborhood-serving commercial uses and mixed-use development within the City's existing commercial districts. Strive to provide access to daily goods and services within ¼-mile of residences.	1,150	7.3%	\$33,000	\$30	No	-

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Objective TL-2: Make Public Transit More Accessible and User-Friendly		GHG Reduction Potential [MT CO2e]	Percentage of Total GHG Reductions Achieved	Average Annual Cost	Cost per metric ton	Private Cost	Applies to New/ Existing Development
Measures							
TL-2.2	Work with AC transit to provide bus stops with safe and convenient bicycle and pedestrian access and essential improvements such as shelters, route information, benches, and lighting.	115	0.7%	\$20,000	\$200	No	-
TL-2.3	Provide passes and shuttles to transit to encourage use of alternative transportation by City employees.	11	0.1	\$9,000	\$820	No	-
Objective TL-3: Promote Pedestrian- and Transit-Oriented Development		GHG Reduction Potential [MT CO2e]	Percentage of Total GHG Reductions Achieved	Average Annual Cost	Cost per metric ton	Private Cost	Applies to New/ Existing Development
Measures							
TL-3.1	Provide public education about benefits of well-designed, higher-density housing and relationships between land use and transportation.	70 (combined total for all education programs)	0.5%	\$2,700	\$40	No	-
TL-3.2	Update planning documents to promote high-quality, mixed-use, pedestrian- and transit-oriented development in the San Pablo/Solano Commercial districts.	790	5.0%	\$3,800	\$5	No	-
TL-3.3	Evaluate GHG emissions associated with development proposals and work with applicants to reduce emissions during project review an incentivize projects that generate low levels of GHG emissions.	Supporting measure (TL-3.2)	-	\$1k-45k	-	Yes	-
Objective TL-4: Reduce Vehicle Emissions and Trips		GHG Reduction Potential [MT CO2e]	Percentage of Total GHG Reductions Achieved	Average Annual Cost	Cost per metric ton	Private Cost	Applies to New/ Existing Development
Measures							
TL-4.1	Work with ABAG and neighboring cities to improve the jobs-housing balance within the City and regional transit corridors.	225	1.4%	\$1,300	\$6	No	-
TL-4.2	Improve fuel efficiency of the City vehicle fleet by purchasing low- or zero-emission vehicles when vehicles are retired from service.	19	0.1	\$72,800	\$3,800	No	-
TL-4.4	Create and implement a voluntary transportation demand management (TDM) program to reduce weekday peak period single occupancy commute and school trips.	1,140	7.3%	\$10,000	\$9	Yes	-
Strategy Subtotal		4,665	29.8%				
Waste Reduction Strategy - Minimize waste.							
Objective WR-1: Become a Zero-Waste Community		GHG Reduction Potential [MT CO2e]	Percentage of Total GHG Reductions Achieved	Average Annual Cost	Cost per metric ton	Private Cost	Applies to New/ Existing Development
Measures							
WR-1.1	Establish a citywide zero-waste target for 2030.	2,210 (2004 to 2020)	14.1%	\$1,300	\$1	No	-
Strategy Subtotal		2,210	14.1%				
Green Infrastructure Strategy - Enhance natural assets that improve community quality of life.							
Objective GI-1: Expand and Enhance the City's Green Infrastructure		GHG Reduction Potential [MT CO2e]	Percentage of Total GHG Reductions Achieved	Average Annual Cost	Cost per metric ton	Private Cost	Applies to New/ Existing Development
Measures							
GI-1.1	Enhance the community's urban forest and other landscapes to maximize carbon sequestration, reduce stormwater runoff, and augment neighborhood aesthetics.	130	0.8%	\$21,000	\$160	No	-
Strategy Subtotal		130	0.8%				
Water Conservation Strategy - Celebrate water as an essential community resource							
Objective WC-1: Conserve Water in Existing Buildings/Landscapes		GHG Reduction Potential [MT CO2e]	Percentage of Total GHG Reductions Achieved	Average Annual Cost	Cost per metric ton	Private Cost	Applies to New/ Existing Development
Measures							
Strategy Subtotal							

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Measures	GHG Reduction Potential [MT CO ₂ e]	Percentage of Total GHG Reductions Achieved	Average Annual Cost	Cost per metric ton	Private Cost	Applies to New/ Existing Development
WC-1.1	Encourage residential and commercial users to participate in EBMUD's free water audit program.	5	0.03%	\$2,700	\$540	Yes Existing
WC-1.2	Encourage 50% reduction in outdoor potable water usage for existing residential and commercial properties.	5	0.03%	\$2,700	\$540	Yes Existing/New
Objective WC-2: Conserve Water in New Construction/Landscapes						
Measures	GHG Reduction Potential [MT CO ₂ e]	Percentage of Total GHG Reductions Achieved	Average Annual Cost	Cost per metric ton	Private Cost	Applies to New/ Existing Development
WC-2.1	Require new construction and major remodels to achieve indoor water efficiency 20% above the California Building Standards Code.	25	0.2%	\$1,300	\$50	Yes Existing/New
WC-2.2	Require new landscape projects to reduce outdoor potable water use by 50%.	20	0.1%	\$1,300	\$70	Yes New
Strategy Subtotal	55	0.4%				
Food and Agriculture Strategy - Create a sustainable and climate-friendly food system						
See Non-quantified Measures						

**Table I-2
Summary of CAP Measures - Non-quantified**

Buildings and Energy Strategy - Minimize energy consumption, create high performance buildings, and transition to clean renewable energy sources.		Objective BE-2: Retrofit Existing Residential and Commercial Buildings to Increase Energy Efficiency and Maximize Use of Renewable Energy	
Measures	GHG Reduction Potential (MT CO ₂ e)	Private Cost	Average Annual Cost
BE-2.5	Join Bay Area efforts to ensure green public transit energy sourcing.	No	\$1,300
Objective BE-3: Require Energy Performance in New Construction		Average Annual Cost	
Measures	GHG Reduction Potential (MT CO ₂ e)	Private Cost	Average Annual Cost
BE-3.2	Require that all new multi-tenant buildings be sub-metered to allow each tenant the ability to monitor their own energy and water consumption.	Yes	\$1,300
Objective BE-4: Community Energy Management		Average Annual Cost	
Measures	GHG Reduction Potential (MT CO ₂ e)	Private Cost	Average Annual Cost
BE-4.3	Research the feasibility of joining the Community Choice Aggregation efforts of Berkeley, Oakland, Emeryville, and other neighboring cities.	No	\$1,300
Transportation and Land Use Strategy - Create an interconnected transportation system and land use pattern that shifts travel from autos to walking, biking, and public transit.			
Objective TL-1: Facilitate Walking and Biking in the Community		Average Annual Cost	
Measures	GHG Reduction Potential (MT CO ₂ e)	Private Cost	Average Annual Cost
TL-1.4	Strictly enforce pedestrian rights laws on City streets.	No	\$20,000
Objective TL-2: Make Public Transit More Accessible and User-Friendly		Average Annual Cost	
Measures	GHG Reduction Potential (MT CO ₂ e)	Private Cost	Average Annual Cost
TL-2.1	Conduct a public transit gap study that analyzes strategies for increasing transit use within the City and identifies funding sources for transit improvements.	No	\$6,300
Objective TL-4: Reduce Vehicle Emissions and Trips		Average Annual Cost	
Measures	GHG Reduction Potential (MT CO ₂ e)	Private Cost	Average Annual Cost
TL-4.3	Incentivize electric and plug-in hybrid vehicles through development of automobile charging infrastructure and preferential street parking spaces.	No	\$1,300
TL-4.5	Evaluate and consider implementation of community parking management strategies.	No	\$6,300
Objective TL-5: Prepare for Peak Oil		Average Annual Cost	
Measures	GHG Reduction Potential (MT CO ₂ e)	Private Cost	Average Annual Cost
TL-5.1	Conduct a study of the potential effects of peak oil on the community and develop a peak oil adaptation plan.	Yes	\$1,300
Waste Reduction Strategy - Minimize waste.			
See Quantified Measures			
Green Infrastructure Strategy - Enhance natural assets that improve community quality of life.			
See Quantified Measures			
Water Conservation Strategy - Celebrate water as an essential community resource.			

Table I-2
Summary of CAP Measures - Non-quantified

See Quantified Measures				
Food and Agriculture Strategy - Create a sustainable and climate-friendly food system.				
Objective FA-1: Strengthen the Regional Food System				
	Measures	GHG Reduction Potential (MT CO ₂ e)	Private Cost	Average Annual Cost
FA-1.1	Establish a permanent farmer's market site within the City and work to expand the market as a community resource.	Not included in inventory	No	\$20,000
FA-1.2	Facilitate and promote Community-Supported Agriculture (CSA) organizations and services.	Not included in inventory	No	\$2,700
FA-1.3	Procure regionally-produced foods for City events and encourage vendors at City-sponsored events to procure food regionally.	Not included in inventory	No	\$2,700
Objective FA-2: Promote Awareness of Sustainable Food Choices				
	Measures	GHG Reduction Potential (MT CO ₂ e)	Private Cost	Average Annual Cost
FA-2.1	Encourage low-carbon meals through public education.	Not included in inventory	No	\$2,700
Objective FA-3: Increase and Enhance Urban Agriculture				
	Measures	GHG Reduction Potential (MT CO ₂ e)	Private Cost	Average Annual Cost
FA-3.1	Establish a local community garden program to increase local food security and provide local recreation amenities.	Not included in inventory	No	\$1,400