



**CITY OF GILROY CLIMATE ACTION PLAN
PRELIMINARY MEASURES EVALUATION**

Instructions

Please review and respond in writing to as many categories and measures as your time, interest, and energy allows using the downloaded forms, as follows:

1. Read the description for each measure on the left column and the City comments to the right that further explain the proposed policy, program, regulation, or action.
2. The shaded rows reflect City staff responses: M or C - Does the Municipality (M) or the Community (C) control the measure? Should we exclude or include the proposed measure; do we need more information to decide, and/or is the measures already implemented by the City?
3. Check "X" in the appropriate non-shaded columns directly under the shaded portion: Should we Exclude, Need More Information, or Include the measure, or are you or someone besides the City Already Doing it?
4. Please write additional comments or questions below your X'd responses.
5. Please add new measures in the rows provided at the end of each category.

Measure	Comments	Municipal (M) Community (C)	Exclude	More Info	Include	Already Doing
Energy, Municipal (EM)						
EM-1 Install building-specific renewable energy applications (e.g. solar hot water heating, solar pool heating, solar PV) in existing municipal facilities	Contingent on funding availability	M			X	X
EM-2 Ensure that all new municipal facilities are built with renewable energy systems as appropriate to their functions.	Contingent on funding availability	M			X	X
EM-3 Institute green building standards for renovations of municipal buildings	1. Currently for new construction only using LEED categories 2. Contingent on funding availability	M			X	X
EM-4 Install rooftop gardens, greening of buildings surroundings for cooling in municipal facilities where applicable	Contingent on funding availability	M			X	X
EM-5 Require the use of high albedo material for future outdoor surfaces such as City facility rooftops and parking lots.	Contingent on funding availability	M			X	
EM-6 Investigate the potential and possible sites for cogeneration, combined heat and power (CHP) within the City		M		X	X	
EM-7 Consider developing a revolving fund to promote and sustain municipal energy efficiency retrofits	Contingent on funding availability	M		X	X	
EM-8 Institute a “lights out at night” policy in city facilities	Already implementing where security conditions allow	M			X	X

Measure	Comments	Municipal (M) Community (C)	Exclude	More Info	Include	Already Doing
EM-9 Decrease daily operation time of streetlights	No for security and logistical reasons	M	X			
EM-10 Upgrade existing traffic signals to light emitting diodes (LEDs)	Ongoing, most changed already	M			X	X
EM-11 Consider replacing existing streetlights with high efficiency LED lamps	City waiting for a method to ensure the reliability of the products as part of the bidding/award process.	M			X	
EM-12 Install energy efficiency exit sign lighting (e.g. LEDs) in City facilities		M			X	X
EM-13 Purchase “green power” and specify renewable energy content for local government operations	Contingent on funding availability	M		X	X	
EM-14 Purchase renewable energy certificates (RECs) to promote electricity generations by renewable energy systems	Contingent on funding availability	M		X		
EM-15 Consider Community Choice Energy (CCE). City would partner with other cities to form a joint powers authority to purchase electricity. CCE enables participating cities to choose the community’s electric provider, including bulk purchases of renewable energy for residents and businesses.	An example of a successful CCE is Marin County. They created a new Marin Energy Authority, which is now buying 78% of its power from renewable sources. The price charged to customers is the same as they were paying to PG&E. This was an eight-year effort.	M		X	X	
EM-16 Install computer management power software to reduce energy consumption in City facilities	Refer to IT Department for response	M				
EM-17 Improve energy performance of City buildings by conducting energy audit of all City facilities and when appropriate perform the necessary energy efficiency retrofits. These retrofits may include lighting upgrades, installation of occupancy sensors, modifications to heating, ventilating, and air conditioning (HVAC) equipment, water pumping upgrades (variable frequency drives), etc.	1. PG&E provides cursory audits. The City can work with PG&E and other 3 rd parties that may be offering no-cost/low-cost audits for municipal facilities. 2. Contingent on funding availability	M		X	X	
EM-18 Improve energy performance of City buildings by perform retro-commissioning projects on aging City facilities	Contingent on funding availability	M		X	X	
	1. Contingent on funding availability	M		X	X	

Measure	Comments	Municipal (M) Community (C)	Exclude	More Info	Include	Already Doing
EM-19 Mandate the purchase of energy efficient (e.g. ENERGY STAR) appliances and equipment (e.g. computers, printers, copiers, refrigerators, vending machines, etc.) in City facilities	2. Possible as City replaces existing equipment	M		X	X	
EM-20 How to best mitigate PG&E's peak demand programs?	1. Financial incentive: PG&E charges City a premium (\$1.20/KW) for peak period power use that will increase substantially. 2. How to increase City remedies?	M		X	X	X
EM-21 Benchmark and track municipal building energy performance through the use of existing resources (e.g. ENERGY STAR's Portfolio Manager)	Contingent on funding availability	M		X	X	
EM-23 Increase tree cover within municipal facilities with special emphasis on shading east, south, and west walls of structures through an urban forestry program.	Contingent on funding availability	M			X	X
EM-24 Allocate funds to train municipal facility managers and operators on energy efficiency measures and operating techniques (e.g. Building Operator Certification Program, etc.)		M			X	X
EM-25 Launch an "energy efficiency challenge" outreach campaign for City staff with the goal of reducing energy use by 10% over ten years (e.g. energy savings competition between departments, annual workshop, brown bag, etc.)	1. See E-20 for incentive 2. Contingent on funding availability	M		X	X	
EM-26 Establish an annual energy reduction target for each City department. Each department would be responsible for initiating programs to achieve its target.	To promote more engagement, this can take form of a friendly competition between departments.	M		X	X	
EM/C-1 Develop a District Energy Program for serving multiple facilities in close proximity with renewable power or condensing water loop.	Determine if the City has a future application for a district energy program	M		X	X	
EM-27 Install variable frequency drives where appropriate in municipal facilities.		M			X	X

Measure	Comments	Municipal (M) Community (C)	Exclude	More Info	Include	Already Doing