

SF Energy Efficiency Coordinating Committee Draft Findings and Recommendations – [Final](#)

Category/Performance Area	Recommendation	Implementation Strategy	City agency to initiate action	Decision-making Agency	Additional Context
<p>1. Expand Programs for Low Income Residents</p>	<p>1.1 Recommend that the CPUC-California Public Utilities Commission (CPUC) allow local governments throughout the State of California to lower the threshold for the Energy Savings and Assistance Program (ESAP).</p>	<p>1.1a Board of Supervisors direct the City Attorney to draft a letter to the CPUC on behalf of the City and County of San Francisco.</p>	<p>Department of the Environment with the City Attorney</p>	<p>California Public Utilities Commission</p>	<p>Eligibility requirements for the Energy Savings and Assistance Program (\$9,000 maximum income per household) are the same statewide using federal poverty thresholds. This means that many low-income San Francisco residents who suffer from the high cost of living may not be eligible for this low threshold.</p>
	<p>1.2 Perform a feasibility study on how the San Francisco Department of the Environment and the San Francisco Public Utilities Commission through CleanPowerSF can collaborate to establish a city-wide unified approach to energy efficiency programs for low income residents which has the potential to create better service, proper oversight and equitable distribution of future dollars from grants and cap-and-trade, create coordination among the various third party programs such as ESAP and the EOC Weatherization Program which all serve low income communities.</p>	<p>1.2a Leadership at SF Environment and the SFPUC (CleanPowerSF) prioritize this process.</p> <p>1.2b Perform a feasibility study on how to coordinate the programs serving low income communities.</p>	<p>SF Environment</p>	<p>SF Environment, SFPUC, Economic Opportunity Council and Pacific Gas and Electric</p>	<p>Energy efficiency programs in San Francisco for low-income residents are segmented among various third party agencies including Pacific Gas and Electric and the San Francisco Economic Opportunity Council. The Committee recommends that the San Francisco Public Utilities Commission through CleanPowerSF and the San Francisco Department of the Environment establish a unified approach to programming for low income residents which has the potential to create better service, proper oversight and that future dollars from grants and cap-and-trade are equitably distributed.</p>
<p>2. Bolster Workforce Development Opportunities</p>	<p>Create long term contracts for workers interested in energy efficiency upgrades so the Office of Economic and Workforce Development can be strategic in planning for and training workers in energy efficiency upgrade construction.</p>				<p>Currently energy efficiency projects are performed by many small contractors on small projects over many customers. This makes it virtually impossible for the Office of Economic and Workforce Development to develop agreements that would enable them to recruit and anticipate the number of workers that are needed in this industry.</p>
	<p>2.1 Support contractor training for small and minority contractors to increase their capacity and access to financing in bidding on green and public sector projects.</p>	<p>2.1a SFPUC establish and fund contractor outreach and capacity training at the Contractor Assistance Center.</p> <p>2.2b Build training modules for energy efficiency, solar and EV charging stations.</p>	<p>SFPUC Contractor Assistance Center</p>	<p>SFPUC</p>	<p>To promote diversity among small local contractors, the City should engage with the contractor community which faces barriers in accessing emerging green sector work. This is due to small business owners' capacity barriers, lack of resources, bonding, and lack of access to finance. Creating training curriculum and connection to employers and projects is crucial to supporting low income communities of color.</p>
	<p>2.2 SF Office of Economic and Workforce Development (CityBuild) require baseline energy efficiency upskill training for all City funded sources and contractors that operate in San Francisco.</p>	<p>2.2a Office of Economic and Workforce Development (CityBuild) re-introduce green training module on an ongoing basis.</p>	<p>SF Environment</p>	<p>Office of Economic and Workforce Development and funder</p>	<p>CityBuild offered a Green Training Program in 2014 that focused on energy efficiency in solar. However, this program has not been reintroduced due to perceived lack of sector jobs and demand. Requiring the baseline training for energy efficiency enables small contractors to bid on green projects as they come up.</p>
<p>3. Increase Financing for Small Businesses Upgrades</p>	<p>3.1 Perform a feasibility study on the possibility of CleanPowerSF-Expanding the SF Environment pilot micro-loan program or establish an on-bill repayment for small businesses for projects below \$5,000.</p>	<p>3.1a Perform a feasibility study to extend the SF Environment pilot program be extended to CleanPowerSF.</p>	<p>San Francisco Public Utilities Commission/SFPUC</p>	<p>San Francisco Public Utilities Commission/SFPUC, Pacific Gas and Electric and the California Public Utilities Commission</p>	<p>Small business owners receiving energy efficiency upgrades are responsible for paying whatever is not covered by rebates which averages around 22% of the projects cost. Currently on bill repayment has a \$5,000 loan amount minimum, which precludes small businesses from the program since some of them do not have the cash to pay the co-pay up front. Currently the San Francisco Department of the Environment SF Environment has a pilot micro-loan program to help businesses fill the gap. The Committee recommends the pilot be extended to CleanPowerSF.</p>
	<p>3.2 Support the San Francisco Department of the Environment's/SF Environment's efforts to implement the (whole building) multifamily BayREN model for Commercial Energy Watch programs. The Board of Supervisors can be particularly helpful in advocating for this policy when it moves to the California Public Utilities Commission in two years</p>	<p>3.2a Board of Supervisors direct the City Attorney to draft a letter to the CPUC on behalf of the City and County of San Francisco.</p>	<p>San Francisco Department of the Environment/SF Environment</p>	<p>Pacific Gas and Electric and the California Public Utilities Commission</p>	<p>Under the BayREN model there is more flexibility for the San Francisco Department of the Environment SF Environment to provide energy efficiency upgrades versus the Energy Watch program which has more stringent restrictions preventing looking at comprehensive upgrades for the customer. The San Francisco Department of the Environment SF Environment is working through a grant from the U.S. Department of Energy to move towards the BayREN model for Commercial Energy Watch programs.</p>

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	Board of Supervisors supports 3.3 Support pay for performance at the San Francisco Public Utilities Commission SFPUC and the San Francisco Department of the Environment SF Environment . Perform a feasibility study to analyze if CleanPowerSF should support a pay for performance program.	3.3a Perform a feasibility study to analyze if CleanPowerSF should support a pay for performance program.	San Francisco Public Utilities Commission SFPUC	San Francisco Public Utilities Commission SFPUC	The rebate amount available to the commercial sector is only for changes that are made that surpass current code. This means that businesses far behind code are not eligible to receive incentives for the savings coming up to code; therefore, the incentives are relatively small compared to the cost. There is a movement from paying for each measure such as a lightbulb retrofit, to create energy efficiency based on actual energy savings.
	3.4 Form a model in which independent businesses of similar type can be considered together in terms of energy savings.	TBD	San Francisco Department of the Environment	Small businesses	Small businesses receive higher subsidies in the SF Energy Watch program
4. Streamline the Process for Upgrades	4.1 Introduce an ordinance requiring that public Public interfacing City agencies promote energy efficiency to their clients as part of their department’s Climate Action Plan.	4.1a San Francisco Board of Supervisors introduce an ordinance requiring this.	San Francisco Board of Supervisors	City agencies	There are many opportunities for encouraging energy efficiency upgrades when individuals come into contact with City agencies. To reach San Francisco’s climate action goals City departments track their green house gas emissions and create reduction plans in an annual report called the departmental Climate Action Plan. The Committee recommends the energy efficiency planning by departments extend beyond the activity of the department to how interactions with clients is helping the City increase energy efficiency and how the interactions are helping the City meet its green house gas reduction goals.
	4.2 Increase the flexibility of historic preservation requirements so that windows, doors, exterior and interior walls and other building elements can be made out of more efficient and less expensive materials as long as the finished look maintains the historic visual integrity.	4.2a Amend the historic preservation rules to include energy efficient materials.	San Francisco Department of the Environment SF Environment	San Francisco Department of City Planning	Window replacements are currently required to be wood, a much more costly option. The City has a policy opposing the use of vinyl; however, there are other options for windows, i.e. fiberglass, that are paintable, require little maintenance, and significantly less expensive.
	4.3 San Francisco Public Utilities Commission and the San Francisco Department of the Environment work with other CCAs Create shared learning on lessons learned for energy efficiency and workforce development (e.g. Richmond Build workforce development program, on-bill financing) with other Bay Area Community Choice Aggregators (CCAs)	4.3a SFPUC and the SF Environment outreach to staff at other Bay Area Community Choice Aggregators to craft programs.	SFPUC and SF Environment San Francisco Public Utilities Commission and San Francisco Department of the Environment	SFPUC and SF Environment San Francisco Public Utilities Commission and San Francisco Department of the Environment	Marin Clean Energy and Sonoma Clean Power have established programs on providing energy efficiency incentives including on-bill repayment and workforce development. It would be useful for San Francisco to learn from their successes and challenges as we develop programs for CleanPowerSF.
	4.4 San Francisco Public Utilities Commission and the San Francisco Department of the Environment San Francisco offers Customer-friendly programs for energy and water efficiency, along with renewables and storage options.	4.4a SFPUC offers on-bill repayment for energy and water upgrades to multi-family affordable properties.	SFPUC and SF Environment San Francisco Public Utilities Commission and the San Francisco Department of the Environment	San Francisco Public Utilities Commission SFPUC	Currently these programs don’t exist as CleanPowerSF is brand new, and there is potential to serve hard to reach populations by designing innovative programs that make it easier for owners to undertake efficiency upgrades. For non-profit managed affordable multi-family housing, this is especially useful outside of the 10-15 year financing lifecycle of the buildings. The Committee recommends that the San Francisco Department of the Environment SF Environment and the San Francisco Public Utilities Commission SFPUC continue to work together on the development and implementation of energy efficiency programs. The San Francisco Department of the Environment SF Environment currently operates multiple private sector energy efficiency programs providing services to thousands of businesses, property managers, building owners and tenants in multiple languages throughout the city since 2001 (current funding through BayREN, PG&E, CEC, and USDOE). SFPUC has the knowledge, infrastructure and track record to develop and implement energy efficiency for municipal buildings.
	4.5 Recommend that the California Public Utilities Commission coordinate its energy efficiency and demand management programs, the CPUC programs and California ISO’s demand response program have coordinated proceedings schedules and processes, and that consumers can take advantage of the financial incentives available from all three energy management programs.	3.2a Board of Supervisors direct the City Attorney to draft a letter to the CPUC on behalf of the City and County of San Francisco.	San Francisco Department of the Environment SF Environment	California Public Utilities Commission	California’s energy demand response and management programs are separate proceedings and on a separate schedule from energy efficiency proceedings and the California Public Utilities Commission does not allow beneficiaries of energy efficiency programs to receive financial incentives from more than one program’s or agency’s funding stream.

<p>5. Remove Barriers to Data Collection</p>	<p>Introduce an ordinance establishing 5.1 Establish benchmarking for multifamily buildings.</p>	<p>5.1a SF Environment work with stakeholder to develop the policy.</p> <p>5.1b San Francisco Board of Supervisors introduce an ordinance to establish benchmarking for multifamily buildings.</p>	<p>San Francisco Department of the Environment SF Environment</p>	<p>Board of Supervisors</p>	<p>The City already has a benchmarking ordinance for the commercial sector that allows the City to analyze energy usage for certain businesses – this currently does not extend to multifamily buildings. The data collected under a new ordinance would help the City understand the need for energy efficiency in these buildings.</p>
	<p>5.2 Recommend that the State of California change its data consent law to allow more access for local governments to identify potential program customers, track participation, and track energy use</p>	<p>5.2a Board of Supervisors direct the City Attorney to draft a letter to the CPUC and CEC on behalf of the City and County of San Francisco.</p>	<p>The Department of Environment SF Environment and the San Francisco Board of Supervisors</p>	<p>California Public Utilities and California Energy Commission</p>	<p>To obtain customer specific data, utility customers must sign a consent to allow access to data energy usage. This is a significant barrier to marketing of energy efficiency programs, research to targeting customers and the evaluation and monitoring of program success.</p>
	<p>5.3 San Francisco Department of the Environment do a survey of Survey individuals served by energy efficiency programs to learn of their challenges.</p>	<p>5.3a SF Environment develop and administer a survey.</p>	<p>SF Environment</p>	<p>SF Environment</p>	