

Note E = electrify or convert from gas to electricity

EE= energy efficient/efficiency

Assumptions are Current FY24 funding level is \$1,600,000 and Current FY25 funding is \$600,000

#	Focus Area	Description	Program	EAP/ECCAP etc.	FY24 (Initial)	FY25 recurring & new programs
1	Incentives – EPC's #1	Implement and leverage funding, incentives, and supporting programs (rebate opportunities, green bank and/or Community Choice Aggregation, public-private partnerships, regional/state/federal investment, etc.) to improve existing building energy efficiency/use of energy efficient technology/higher-efficiency and renewable energy sources, incentivize low impact new development	<p>EPC suggestions</p> <p>A. Partner with nonprofits to incentivize rebates for: *Ebikes/scooters *Batteries for electric lawn equipment *Also see #3 outreach below to maximize fed/state funding for electric conversions</p> <p>B. Prepare Memo on steps required to use Community Solar and/or Green bank and/or CCA in ALX</p>	<p>EAP2040 target to reduce GHG emission by 50% by 2030</p> <p>Potential to reduce City's reliance on DOM to convert to all electric grid and/or more funding for meeting ECCAP actions on E and EE</p>	<p>\$200,000</p> <p>Staff time</p> <p><u>T-\$200,000</u></p>	<p>Begin planning for Community Solar/Green Bank and/or CCA – staff time – do we need more staff or contractor on this?</p>

3	Education, Capacity Building and Outreach – includes EPCs #3,4, and 5	<p>a. Educate students, residents, businesses</p> <p>b. Facilitate technical assistance programs to support residential/small business/non-profits in green building/renewable energy/energy efficiency/EV charging implementation. Includes potential leveraging local tech assistance providers to benefit workforce development and attract economic development opportunities.</p> <p>c. Conduct outreach to promote use of City, regional, state, federal incentive programs including C-PACE, other residential energy efficiency/renewable/EV charging programs and leverage partnership opportunities.</p>	<p>A. Electrification Showcase – grand kickoff showcase for community to learn about all fed/state tax incentives and point-of-sale rebates on solar, E/EE work, & E/EE appliances</p> <p>B. Home Improvement Education – City would do survey of residents to get input early if they are thinking about remodeling so City could provide them with info early about benefits of E/EE and reducing future costs</p> <p>C. EV Site Assessment City assessment of where and how to deploy charging stations where no off street parking is available</p> <p>D. Start Planning after school program to educate students</p>	<p>*ECCAP actions of 53,000 housing units retrofitted by 2030</p> <p>*49% of existing housing units use electric heating by 2030</p> <p>*50% of personal car sales are EVs by 2030 – can't sell if no way to charge</p>	<p>\$100,000</p> <p>100,000</p> <p>200,000</p>	<p>A. 1st Responder training – handling lithium battery fires \$50,000</p> <p>B. Fund design of after school program to educate students about E/EE and sustainability and careers in field \$150,000</p>
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			<p>on climate crisis and how they can help and learn about potential future careers in field</p> <p>E. Kathie's idea: Fund Green building person for the school system to address lack of compliance with current GBP (solar panels), look into future energy audits and work toward receiving Energy Star certification or better certification for each school ??</p>		\$150,000	
					<u>T-\$550,000</u>	<u>T-\$200,000</u>

4	Disclosure, Monitoring and Recognition – includes EPC’s 6 and 7	<p>a. Establish robust voluntary disclosure and recognition program for residents, schools, and businesses to report their successes in reducing Env. Impact/green building initiatives.</p> <p>b. Enhance EAP implementation by increasing monitoring, measuring, and reporting efforts by the City and the community including development of a Community Energy Model to track energy use and GHG emissions by various energy efficiency and renewable energy programs offered by the City and other partner organizations and to evaluate cost effectiveness and provide supporting information to optimize community energy use.</p>	<p><u>A. Business Recognition program –</u> recognize those businesses that are reducing single use plastic, converting to electric and other E/EE, sustainable actions</p> <p><u>B. ALX Climate Champion’s program –</u> yard and window signs for residents who have gone solar, purchased heat pumps, performed energy efficiency measure, converted to electric, purchases E/EE appliances and are willing to share their stories/experiences</p>	To help Community meet the required action of ECCAP of electrifying 45% of our existing housing units to electricity by 2030 and 53,000 retrofitted with efficiency upgrades by 2030.	<p>\$110,000</p> <p><u>T-\$100,000</u></p>	<p>A. Input energy bills into EPA’s Portfolio Manager to see where the business ranks compared to others to help Staff focus on those most in need to help for guidance on IRA tax incentives or rebates as well as C-PACE, etc. Use staff times plus EPC volunteers plus ALX volunteers – \$100,000</p> <p><u>T - \$100,000</u></p>
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5.	Demonstration (includes EPC #9 and 10)	City/other agencies demonstration projects that represent viable business case for community and that build internal expertise available to the community – i.e. gas-powered equipment replacement, EV charging net-zero cost study, explore direct purchase of solar panels vs. REC funds	<p>*See #2 above for Solar on Affordable Housing and use of REC funds to directly purchase solar</p> <p>*See #1 above for gas-powered equipment replacement</p> <p>*see #3 above for EV site assessment</p> <p>*DASH buses go electric</p> <p>*ACPS buses go electric</p> <p><u>EPC suggestions -</u></p> <p>*Highlight Net zero schools via signage</p> <p>* Perform energy audit on all public bldgs. starting with first 20 which use most energy and aren't already on list for rehab in next 5 years</p>		<p>\$20,000</p> <p>\$100,000</p> <p><u>T-\$120,000</u></p>	<p>Continue Energy Audits on ALX public buildings – next 20 and invest in conversions of buildings with highest ROI scores.</p> <p>\$250,000</p> <p><u>T-\$250,000</u> more?</p>
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6.	Policies, Procedures and Advocacy	Coordinate a cross-departmental and agency effort to lead advocacy and implement policies, procedures and guidelines that achieve EAP2040 targets and ECCAP actions	Revision of Green Building Policy	ECCAP actions required: 95% of all new housing units are net-zero – producing the same or more energy as the building and its residents use	No additional funding	Add to the policy by reassessing stormwater, biodiversity, tree canopy, waste reduction, etc. – staff time – do we need more staff or contractor here?
					<u>T-\$1,320,000</u> <u>Leaving extra \$280,000</u>	<u>T-\$600,000</u>