

Cross-walking vision, methods and metrics to address EAP targets by EPC and City staff – Objective: what are best methods (best return on investment of time and money ROI) to achieve EAP targets and how are we measuring them over time? Or

What will be different when each program/plan is implemented and who will we hold ourselves accountable?

FY23 EAP targets and EPC Major Focus areas included:

- 1) Increase energy efficiency with new building and incorporate as much on-site renewable energy as possible – change energy efficiency standards and encouragement/incentivize renewable energy & other changes to entitlement process – see latest EPC letter to Council
- 2) Increase retrofits (energy efficiency with heat pumps, and others) of existing buildings
- 3) Increase education and outreach to make this all work
 - a. Fund 3 new FTE's – Climate lead, vision zero staff and communication person

What's Next?

#	Focus Areas	J.G. Description	RF description	EAP chapter	Prel. budget	Recurring Budg
1	Incentives	Implement and leverage funding, incentive, and supporting programs (rebate opportunities, green banks and/or community choice aggregation, P3, regional, state, fed investment, etc. to improve existing building energy efficiency/use of energy efficient technology/higher-efficiency and renewable energy sources , incentivize low impact new development	FIRST: -Targeted incentives Heat pump H2O heaters Smart thermostats EV charging assessments -Community Partnership grants ONGOING: -Promotion of existing incentives from Federal Infrastructure, IRA, Dominion MOVE TO FIRST -Targeted incentives to promote specific improvements	2.3.5, 3.1.8+	\$250-300,000	\$75-100,000
2	Env. Justice	EJ focused on all but now focus on weatherization and energy assistance programs, addressing heat and flooding vulnerabilities specific to EJ communities and help coordinate climate action with City Council, and other priorities reflecting Race and Social Equity (RACE)	FIRST: -Community/Energy Burden Solar Fund -Initial investment from City -Explore alternative methods of funding ONGOING: -Fleet Farming w/ ALIVE! -Heat Vulnerability planning and action -Eco-City Academy NEW: Combine Increase in energy efficiency & renewable energy with Zoning for Housing/Housing for All proposal to support RACE	various	\$50,000	\$25-50,000

3	Education, Capacity Building and Outreach	<p>a. Educate: students, residents, businesses</p> <p>b. Facilitate technical assistance programs to support residential/small businesses/non-profits in green building/renewable energy/energy efficiency/EV charging implementation. Includes potential for 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 (IRA, C-PACE, etc. and leverage partnership opportunities.</p>	<p>FIRST:</p> <ul style="list-style-type: none"> -1st Responder EV/battery fire Training -ACPS Sustainability Competition -Meet the Office of Climate Action -Meetings w/ Businesses, community -Logo & art design competitions <p>ONGOING:</p> <ul style="list-style-type: none"> -Electrification Showcase/Event – September 2023 -Home improvement education program -Solarize Alexandria <p>NEW FIRST: inundate community with information about IRA and Infrastructure incentives</p>	2.3.2, 10.1.1-10.1.3	\$175-275,000	\$125-250,000
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4.	Disclosure, Monitoring and Recognition	<p>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>Enhance EAP implementation by monitoring, measuring, and reporting efforts by the City and community including development of Community Energy Model to track energy use and GHG reductions by various energy efficiency and Renewable energy programs offered by the City and other partner organizations, evaluate cost effectiveness, and provide supporting info to optimize community energy use.</p>	<p>FIRST: ALX Climate Champions Recognition City staff (?), businesses, residents</p> <p>GHG voluntary reporting, education program</p> <p>Community Energy Model</p> <p>ONGOING: Sustainable Business recognition program</p> <p>GHG voluntary reporting, education program</p>	2.3.4; 10.1.4-5; 10.2	\$175-200,000	\$75-100,000
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5	Demonstration	City/other agency demonstration projects that represent viable business case for the community and that build internal expertise available to the community – gas-powered equipment replacement, EV charging, net-zero cost study, explore purchase of direct solar panels vs. buying renewable energy credits (RECs) on open market to offset City’s use of electricity	<p>FIRST: Building Electrification Pilots/Case Studies</p> <p>ONGOING: Building Performance, Solar + Storage on City Facilities</p> <p>Solarize Alexandria</p>	Chapters 1,2,3 and 7	\$50-100,000 <u>NOTE: if no longer purchasing RECs, we should net ~\$200,000 extra for more climate programs – this money should not just disappear into City budget</u>	\$50-100,000 <u>NOTE: if no longer purchasing RECs, we should net ~\$200,000 extra for more climate programs – this money should not just disappear into City budget</u>
6	Policy, Procedures and advocacy	Coordinate a cross-departmental and agency effort to lead advocacy and implement policies, procedures and guidelines that achieve EAP2040 targets and upcoming ECCAP recommendations. Continue ensuring that the City is strategic with resources and has adequate capacity to maximize greenhouse gas emission (GHG) reductions and meet climate targets.	<p>ONGOING: Permitting & Energy Education / Disclosure</p> <p>Climate Action Incubator & Departmental Coordination</p> <p>Investigate incorporating climate lens as part of CIP process</p>	Various	\$25-50,000	Mainly utilize existing and newly hired OCA staff