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	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 B. Prepare Memo on steps required to use Community Solar and/or Green bank and/or CCA in ALX	EAP2040 target to reduce GHG emission by 50% by 2030 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	\$200,000 Staff time T-\$200,000	Begin planning for Community Solar/Green Bank and/or CCA – staff time – do we need more staff or contractor on this?

2	Environmental Justice – EPC's #2	EJ will apply in each focus areas; the City wants to be intentional in its efforts and proposes to have a setaside for EJ related initiatives. While programs will be flexible to mitigate the impact of the climate crisis on historically underserved and vulnerable residents, initial efforts are focused on weatherization and energy assistance programs, addressing heat and vulnerable specific to EJ communities, and helping communicate climate actions in coordination with City Council and other priorities reflecting Race and Social Equity (RASE)	A.	community Solar — paired with Council approval of converting the purchase of Renewable Energy Certificates (essentially 5-year rental agreements) to DIRECT INVESTMENT in solar panels on low- income housing in ALX via Office of Housing, ARHA and/or Housing Alexandria. WE propose the City ONLY purchase RECs from Alexandria residents and use the remain funds to fund or directly purchase solar for affordable housing	EPC's #2 – ALX principles of EJ and Equity	\$350,00 initial but conversion of RECs will allow already budgeted moneys to be used for this project in the future reducing future funding to zero if current year levels are maintained T - \$350,000	A. B.	If conversion approved – \$100,000/year currently funded in present budget - but \$0 added budget impact Farming with ALIVE - \$50,000

3	Education,	_	Educato students, residents	٨	Electrification	*ECCAP	\$100,000	Α.	1 st Responder
3	Capacity	a.	Educate students, residents, businesses	А.	Electrification Showcase – grand	actions of	\$100,000	A.	training –
	Building and	b.			kickoff showcase	53,000			handling
	Outreach –	D.			for community to	housing units			lithium
	includes EPCs		programs to support		learn about all	_			
			residential/small business/non-			retrofitted by 2030			battery fires
	#3,4, and 5		profits in green		fed/state tax			D	\$50,000
			building/renewable		incentives and	*49% of		В.	Fund design of
			energy/energy efficiency/EV		point-of-sale	existing			after school
			charging implementation.		rebates on solar,	housing units			program to
			Includes potential leveraging		E/EE work, & E/EE	use electric			educate
			local tech assistance providers to		appliances	heating by	400 000		students
			benefit workforce development	В.	Home	2030	100,000		about E/EE
			and attract economic		Improvement	*50% of			and
			development opportunities.		Education – City	personal car			sustainability
		c.	Conduct outreach to promote		would do survey of	sales are EVs	200,000		and careers in
			use of City, regional, state,		residents to get	by 2030 –			field \$150,000
			federal incentive programs		input early if they	can't sell if no			
			including C-PACE, other		are thinking about	way to charge			
			residential energy		remodeling so City				
			efficiency/renewable/EV		could provide them				
			charging programs and leverage		with info early				
			partnership opportunities.		about benefits of				
					E/EE and reducing				
					future costs				
				С.	EV Site Assessment				
					City assessment of				
					where and how to				
					deploy charging				
					stations where no				
					off street parking is				
					available				
				D.	Start Planning after				
					school program to				
					educate students				

	Ε.	on climate crisis and how they can help and learn about potential future careers in field 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 ??		\$150,000 T-\$550,000	<u>T-\$200,000</u>
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4	Disclosure,	a.	Establish robust voluntary	<u>A.</u>	Business	To help	\$110,000	A.	Input energy
	Monitoring		disclosure and recognition		Recognition	Community			bills into EPA's
	and		program for residents, schools,		program –	meet the			Portfolio
	Recognition –		and businesses to report their		recognize those	required			Manager to
	includes EPC's		successes in reducing Env.		businesses that are	action of			see where the
	6 and 7		Impact/green building initiatives.		reducing single use	ECCAP of			business ranks
		b.	Enhance EAP implementation by		plastic, converting	electrifying			compared to
			increasing monitoring,		to electic and other	45% of our			others to help
			measuring, and reporting efforts		E/EE, sustainable	existing			Staff focus on
			by the City and the community		actions	housing units			those most in
			including development of a	<u>B.</u>	ALX Climate	to electricity			need to help
			Community Energy Model to		Champion's	by 2030 and			for guidance
			track energy use and GHG		<u>program –</u> yard and	53,000			on IRA tax
			emissions by various energy		window signs for	retrofitted			incentives or
			efficiency and renewable energy		residents who have	with efficiency			rebates as
			programs offered by the City and		gone solar,	upgrades by			well as C-
			other partner organizations and		purchased heat	2030.			PACE, etc.
			to evaluate cost effectiveness		pumps, performed				Use staff
			and provide supporting		energy efficiency				times plus EPC
			information to optimize		measure, converted				volunteers
			community energy use.		to electric,				plus ALX
					purchases E/EE				volunteers –
					appliances and are				\$100,000
					willing to share				
					their				
					stories/experiences				
							<u>T-\$100,000</u>		<u>T - \$100,000</u>

5.	Demonstration	City/other agencies demonstration	*See #2 above for Solar		Continue Energy
٥.		,			
	(includes EPC	projects that represent viable	on Affordable Housing		Audits on ALX
	#9 and 10)	business case for community and	and use of REC funds to		public buildings –
		that build internal expertise available	directly purchase solar		next 20 and invest
		to the community – i.e. gas-powered	*See #1 above for gas-		in conversions of
		equipment replacement, EV charging	powered equipment		buildings with
		net-zero cost study, explore direct	replacement		highest ROI
		purchase of solar panels vs. REC	*see #3 above for EV		scores.
		funds	site assessment		\$250,000
			*DASH buses go electric		
			*ACPS buses go electric		
			EPC suggestions -		
			*Highlight Net zero	\$20,000	
			schools via signage		
			* Perform energy audit		
			on all public bldgs.	\$100,000	
			starting with first 20	,	
			which use most energy		
			and aren't already on		
			list for rehab in next 5		
			years	T-\$120,000	T-\$250,000 more?
			years	1 7120,000	1 9230,000 more:

6.	Policies,	Coordinate a cross-departmental and	Revision of Green	ECCAP actions	No additional	Add to the policy
	Procedures	agency effort to lead advocacy and	Building Policy	required: 95%	funding	by reassessing
	and Advocacy	implement policies, procedures and		of all new		stormwater,
		guidelines that achieve EAP2040		housing units		biodiversity, tree
		targets and ECCAP actions		are net-zero –		canopy, waste
				producing the		reduction, etc. –
				same or more		staff time – do we
				energy as the		need more staff or
				building and		contractor here?
				its residents		
				use		
					T-\$1,320,000	<u>T-\$600,000</u>
					Leaving extra	
					<u>\$280,000</u>	