





## EAP 2040 Status of Actions | April 2025

	GOALS, TRAGETS, AND ACTIONS	PROGRESS	EAP TIMING	EAP TARGET	LEAD	NOTES
	<b>1. CLIMATE CHANGE</b>					
	<b>Target - reduce GHG 50% by 2030 and 80-100% by 2050</b>					31% reduction in 2020 GHG inventory
1.1.1	Climate 1.1.1 (Energy & Climate Action task force established)		SHORT	FY21	GSW/TES	<b>Complete:</b> ECCAP Task Force appointed March 2021
1.1.2a	Climate 1.1.2a (Policy for Emissions Calculations for CIP)		SHORT	FY22	GS	Office of Climate Action has joined climate budgeting cohorts nationally to implement a more comprehensive CIP climate review
1.1.2b	Climate 1.1.2b (Emissions Calculations for CIP)		MEDIUM	FY24	GS	See above - 1.1.2 treated as one item
1.1.3	Climate 1.1.3 (sustainable investment criteria)		SHORT	FY21	GS	sustainability in Impact Policy Statement for each plan
1.1.4	Climate 1.1.4 (vulnerability assessment)		MEDIUM	FY24	GS	some work of the stormwater strike team, also completed in partnership with VA Climate Center. Heat Vulnerability Assessment completed as part of the ECCAP update.
1.1.5	Climate 1.1.5 (Emergency Operations)		MEDIUM	FY26	GS	
1.1.6	Climate 1.1.6 (update Emergency Operations Plan)		MEDIUM	FY28	GS	OCA and DGS coordinating on resilience strategies including solar and battery backup
1.1.7	Climate 1.1.7 (state-level strategy)		MEDIUM	FY24	GS	OCA Coordinates directly with City Legislative Liaison regularly using the city's environmental justice lens as a guide
	<b>2. ENERGY</b>					
	<b>Goal - 100% renewable for applicable City facilities</b>					By 2030 all electric government facilities offset 100%
2.1.1	Renewable 2.1.1 (Offset Electrical Use w RECs)		SHORT	FY20	OCA/GS	100% offset FY24
2.1.2	Renewable 2.1.2 (Energy Supply Strategy)		SHORT	FY21	OCA/GS	Exploring potential sites and strategies for solar installations, on and off site, locally produced.
2.1.3	Renewable 2.1.3 (Direct Power Purchase)		SHORT	FY23	OCA/GS	Solar installations at 3 City sites - AlexRenew, Beatley Library, Witter Field, in process to install on Durant Arts Center. Exploring additional potential sites
2.1.4	Renewable 2.1.4 (electrification plan)		MEDIUM	FY24	OCA/GS	Embedded strategy in the City Building Performance model program
2.1.5	Renewable 2.1.5 (80% direct offset)		MEDIUM	FY28	OCA/GS	To be considered as part of strategy for 2.1.3
	<b>Target - improve City facility efficiency by 25%</b>					Action 2.2.4 by 2027
2.2.1	Efficiency 2.2.1 (Facility Index)		SHORT	FY23	GS/OCA	To be coordinated with 2.1.2 and City Building Performance model program
2.2.2	Efficiency 2.2.2 (Electric Vehicle Program)		SHORT	FY21	DASH,ACPS, TES	All agencies—DASH, ACPS, and the City—have successfully launched electric passenger vehicle pilot programs.
2.2.3a	Efficiency 2.2.3a (Building lighting Upgrades)		SHORT	FY21	GS	~ 60% but not 75% by FY2021. Lighting projects ongoing.
2.2.3b	Efficiency 2.2.3b (Streetlighting Upgrades,10.2)		SHORT	FY23	TES	95% ~ 10,100 out of 10,650 lights have been retrofitted; only 450 Gadsby light fixtures remain to be retrofitted but this may take a few more years to complete.
2.2.4	Efficiency 2.2.4 (reduce energy 25%)		MEDIUM	FY27	OCA/GS	16% reduction in 2024 from a 2018 baseline
2.2.5	Efficiency 2.2.5 (25% fleet electrification)		MEDIUM	FY24	TES	Currently, we have a total fleet of 87 alternative electric vehicles, comprising 45 hybrids, 6 plug-in hybrids, and 36 all-electric vehicles. This equates to approximately 13.3% of our fleet being electrified.
2.2.6	Efficiency 2.2.6 (10% transit fleet electrification)		MEDIUM	FY28	DASH	Our current DASH fleet is already at 14% electric, which is promising. However, it's important to note that this target encompasses 10% of DASH, rapid transit, and King Street Trolley buses collectively. Currently, only the fixed-route, non-trolley buses are electric. To achieve the electrification of future BRT (Bus Rapid Transit) and trolley routes, additional electric buses, will be considered as part of our electrification strategy.
	<b>Target - GHG/person to 6:2030, 4:2040, 1-3:2050</b>					7.7 per capita w 2020 GHG inventory
2.3.1	Community 2.3.1 (Regulatory Activities)		SHORT	FY19	GS	continuing to improve efficiency of energy code
2.3.2	Community 2.3.2 (CPACE)		SHORT	FY20	GS	CPACE adopted - program plan launched
2.3.3	Community 2.3.3 (Electric Vehicle Charging)		SHORT	FY20	OCA/GS	report accepted by Council FY 2021
2.3.4	Community 2.3.4(GHG tracking model)		MEDIUM	FY24	GS	
	<b>3. GREEN BUILDING</b>					
	<b>Target - Net Zero for Public Buildings</b>					no target update - every 5-7 years per action 3.1.15
3.1.1	Building 3.1.1 (update green building policy)		SHORT	FY19	OCA/PZ	Completed and future updates to occur.
3.1.2	Building 3.1.2 (Sustainability in DSP/DSUP)		SHORT	FY20	OCA/PZ	Updated for 2020 and most years annually
3.1.3	Building 3.1.3 (Development checklist)		SHORT	FY23	OCA/PZ	Upcoming with the Standard Condition update process.
3.1.4	Building 3.1.4 (track compliance)		SHORT	FY20	OCA/PZ	Complete - compliance regularly evaluated by OCA and P&Z
3.1.5	Building 3.1.5 (update development conditions)		SHORT	FY23	OCA/PZ	Much of these items are/will be considered in the Green Bldg Policy
3.1.6	Building 3.1.6 (net zero process)		SHORT	FY23	OCA/PZ	OCA & PZ reviewing ACPS and City facilities
3.1.7	Building 3.1.7 (new staff position, GBP)		SHORT	FY21	OCA/PZ	Completed
3.1.8	Building 3.1.8 (incentive programs)		SHORT	FY23	OCA/PZ	OCA included renovations and EUI as part of the Green Bus. Recognition Program, and is planning additional
3.1.9	Building 3.1.9 (Regulatory incentives)		SHORT	FY23	OCA/PZ	Considering incentives as part of '24 Green Bldg Policy update
3.1.10	Building 3.1.10 (net zero in existing bldgs)		MEDIUM	FY24	OCA	
3.1.11	Building 3.1.11 (performance monitoring)		MEDIUM	FY28	OCA/PZ	Considering performance monitoring broadly in Green Bldg Policy Update
3.1.12	Building 3.1.12 (fee in lieu program)		MEDIUM	FY28	PZ	
3.1.13	Building 3.1.13 (net zero standardized process)		MEDIUM	FY28	OCA/PZ	
3.1.14	Building 3.1.14 (performance based procurement)		MEDIUM	FY28	PZ	
	<b>4. LAND USE &amp; OPEN SPACE</b>					
	<b>Target - 40% Tree Canopy by 2035</b>					
4.1.1	Trees 4.1.1 (Update Plans/Systems)		SHORT	FY23	RPCA	Updating the City's critical forest data (tree inventory & tree canopy) to assist with daily operations and to inform recommendations for updating the Urban Forest Management Plan (UFMP). The Tree Canopy Assessment will be completed in FY26. ESMS annually reports four significant aspects to the DEQ as a component of VEEP E3 initiatives. In 2019, the City of Alexandria Landscape Guidelines revised the City's approved landscape standards to include current industry standards, best practices, and terminology. Review of guidelines planned for CY 2025.
4.1.2	Trees 4.1.2 (Outreach/Partnerships)		SHORT	FY23	RPCA	We have built a good partnership with the State and they are getting on more private properties through word-of-mouth. In addition, the Beautification Commission is also being utilized to promote inspections, on private properties, from State Foresters.
4.1.3	Trees 4.1.3 (forest health index)		MEDIUM	FY28	RPCA	
4.1.4	Trees 4.1.4 (plant a tree program)		MEDIUM	FY28	RPCA	
	<b>Goal - Increase Open Space Quantity and Quality</b>					
4.2.1	Land 4.2.1 (Open Space steering com)		SHORT	FY23	RPCA	The Open Space Steering Committee(see 4.2.3) evaluated and recommended new metrics and methods for open space to measure the quality of publicly accessible open space and considered a recommendation of increasing the current Open Space Master Plan target of 7.3 acres acreage of per 1,000 residents to 7.5 acres. Continued discussion through community engagement for recommended Open Space Master Plan revisions.
4.2.2	Land 4.2.2 (increase manage public land)		SHORT	FY23	RPCA	Open Space Steering Committee's recommendations included public natural lands in its Open Space Master Plan recommendations. 2019 Natural Resource Management Plan (NRMP) identifies a course of action for preserving, protecting, and sustainability in managing Alexandria's natural resources and native biodiversity.
4.2.3	Land 4.2.3 (Open Space Requirements)		SHORT	FY20	RPCA	The Open Space Steering Committee was reconvened in 2020 to review the Open Space Policy Plan and provide recommendations on tools and methods to increase and sustain the City's open space acreage. The Committee completed its work in fall 2023 with draft recommendations to update the Open Space Master Plan
4.2.4	Land 4.2.4 (maintain stream valleys)		MEDIUM	FY28	RPCA	
4.2.5	Land 4.2.5 (unconventional open space)		MEDIUM	FY28	RPCA	

	<b>5. SOLID WASTE</b>					
	<b>Target - reduce emissions 12% by 2023</b>					
5.1.1a	Recycle 5.1.1a (Glass Recycling)		SHORT	FY20	TES	Complete- 5 glass bins installed and partnered with region
5.1.1b	Recycle 5.1.1b (phase Glass out of single stream)		SHORT	FY21	TES	Complete - phased out glass from single stream, annual MRF audits conducted to track progres
5.1.2	Recycle 5.1.2 (Recycle Right)		SHORT	FY19	TES	<b>Complete and ongoing</b> -What goes where tool, new oops tags, recycling sorting game, where does it go webpage.
5.1.3	Recycle 5.1.3 (Route Optimization Study)		SHORT	FY20	TES	<b>Complete</b> - optimization study implemented.
5.1.4	Recycle 5.1.4 (Recycling Ordinance)		SHORT	FY21	TES	No revisions made at this time, review of ordinance is ongoing
5.1.5	Recycle 5.1.5 (Composting)		SHORT	FY20	TES	<b>Complete</b> - WARM model to be used to calculate for new curbside composting pilot to evaluate GHG net reductions
5.1.6	Recycle 5.1.6 (public bin evaluation)		MEDIUM	FY28	TES	Ongoing - implemented No poo in the blue campaign for pet waste contamination reduction
5.1.7	Recycle 5.1.7 (commercial requirements)		MEDIUM	FY28	TES	No revisions made at this time, review of ordinance is ongoing
5.1.8	Recycle 5.1.8 (organics collection)		MEDIUM	FY28	TES	Ongoing - the Curbside Composting initiative is in the process of transitioning from pilot to full program, beginning July 1. The program has been receiving excellent feedback from Alexandria residents.
	<b>Target - reduce/household waste by 5% by 2023</b>					
5.2.1	Reduce 5.2.1 (Reuse Directory)		SHORT	FY19	TES	<b>Complete</b> - reuse directory implemented
5.2.2	Reduce 5.2.2 (Collection Pricing)		SHORT	FY21	TES	The Pay As You Throw (PAYT) study to determine the feasibility of collection pricing for recycling as an incentive for waste reduction has been approved and will be conducted in FY25-FY26.
5.2.3	Reduce 5.2.3 (Share a Bag)		SHORT	FY20	TES	Considering reimplementing the initiative with surplus bags from the initial program launch.
5.2.4	Reduce 5.2.4 (Builders Recycling Guide)		MEDIUM	FY28	TES	Complete and ongoing
	<b>6. WATER RESOURCES</b>					
	<b>Target - meet 70% of phosphorus requirement by 2023</b>					
6.1.1	Enhancement 6.1.1 (exceed mandates)		SHORT	FY23	TES	<b>Complete</b> - 98% complete through FY24
6.1.2	Enhancement 6.1.2 (environmental educator)		SHORT	FY21	TES	<b>Complete</b> - Communication Officer position created in IEQ
6.1.3	Enhancement 6.1.3 (implementation policy)		SHORT	FY20	TES	<b>Complete</b> - GI Study Phase I completed March 2021 which expands the CSO GI focus to the entire City.
6.1.4	Enhancement 6.1.4 (100% pollution reduction)		MEDIUM	FY25	TES	<b>Almost Complete</b> - 98% complete through FY24
6.1.5	Enhancement 6.1.5 (prioritize projects)		MEDIUM	FY24	TES	Initiated but stalled due to staff resources focused on pausing stream restoration efforts; staff readjusted to focus on 'targets of opportunity' where additional GI may be installed beyond requirements for already occurring city projects so that disruptions occur once. Bradlee Shopping Center / King Street proposed project upcoming.
	<b>Target - reduce flooding risk and improve water quality</b>					
6.2.1	Infrastructure 6.2.1 (flood insurance rating)		SHORT	FY22	TES	Developing plan to increase CRS rating from 6 to 5 for the next cycle (current cycle is 2021 - 2026; 5-years)
6.2.2a	Infrastructure 6.2.2a (prioritize nuisance drainage)		SHORT	FY22	TES	<b>Complete and ongoing</b> - Spot Improvement projects are identified and prioritized through Neighborhood Investigations under the Flood Action Alexandria initiative, with new ones added as they are identified
6.2.2b	Infrastructure 6.2.2b (Drainage Projects Prioritization Plan)		SHORT	FY23	TES	<b>Complete</b> - Projects are prioritized according to timing of identification and number of properties that are protected.
6.2.3	Infrastructure 6.2.3 (education effort)		SHORT	FY23	TES	<b>Complete and ongoing</b> - Property owners are incentivized to conserve water through the SWU credit program that provides fee reductions for rain barrels, conservation landscaping, etc.
6.2.4	Infrastructure 6.2.4 (minimize sewer overflows-CSO)		MEDIUM	FY25	TES	RiverRenew Project under construction
6.2.5	Infrastructure 6.2.5 (water reuse)		MEDIUM	FY28	TES	
6.2.6	Infrastructure 6.2.6 (safe water supply)		MEDIUM	FY28	TES	
	<b>7. TRANSPORTATION</b>					
	<b>Target - reduce VMT by 1%/year by 2023</b>					
7.1.1	Low-carbon 7.1.1 (implement Vision Zero)		SHORT	FY23	TES	Finished 3 yr action plan, safety improvements implemented. See five year plan <a href="https://www.alexandriava.gov/sites/default/files/2024-06/Complete%20Streets%20Five-Year%20Plan%20FY25-29_For%20Web.pdf">https://www.alexandriava.gov/sites/default/files/2024-06/Complete%20Streets%20Five-Year%20Plan%20FY25-29_For%20Web.pdf</a>
7.1.2	Low-carbon 7.1.2 (add bike infrastructure)		SHORT	FY23	TES	Added bicycle lanes with many more coming for 2025
7.1.3	Low-carbon 7.1.3 (development checklist)		SHORT	FY23	TES	Completed 2022 updated checklist 2022
7.1.4	Low-carbon 7.1.4 (mobility device regulations)		SHORT	FY 23	TES	Completed 2022 Permanent program adopted
7.1.5	Low-carbon 7.1.5 (plan for zero emission buses)		SHORT	FY21	TES	Complete - Plan has been completed and will be implemented as funding allows
7.1.6	Low-carbon 7.1.6 (low stress multi-modal)		SHORT	FY23	TES	Complete - Network has been assessed and will be implemented as resources allow
7.1.7	Low-carbon 7.1.7 (bike and pedestrian projects)		MEDIUM	FY28	TES	More than a dozen complete streets and SRTS projects in planning, design, and or construction on-going
7.1.8	Low-carbon 7.1.8 (school walk projects)		MEDIUM	FY25	TES	More than a dozen complete streets and SRTS projects in planning, design, and or construction on-going
	<b>Target - increase low-carbon mobility by 15% by 2023</b>					
7.2.1	Reduce cars 7.2.1(mobility plan)		SHORT	FY23	TES	Completed - Alexandria Mobility Plan ("AMP") adopted in October 2021
7.2.2	Reduce 7.2.2 (Potomac Yard metrorail)		SHORT	FY23	TES	Completed - Station officially opened in spring of 2023
7.2.3	Reduce 7.2.3 (incentive for options)		MEDIUM	FY28	TES	addressed in Alexandria Mobility Plan, some parking cashout programs established including for City staff
	<b>Target - increase dedicated bus lanes -1.5 miles by 2030</b>					
7.3.1	Transit 7.3.1 (mobile-friendly technologies)		SHORT	FY23	TES	installed real-time bus signage at XX number of stations. With XX additional signs planned in the coming year
7.3.2	Transit 7.3.2 (West End and Route 1 Transitways)		MEDIUM	FY28	TES	<b>Design completed for West End Transitway Phase #1</b> (Design of West End Transitway underway, advancing next phase of Route 1)
	<b>8. ENVIRONMENTAL HEALTH</b>					
	<b>Target - update Assessment by 2023</b>					COVID 19 a priority and no action updates
8.1.1	Community 8.1.1 (assessment)		SHORT	FY21	HEALTH	Complete: Gap and Asset assessment and development of a healthy homes action plan.
8.1.2	Community 8.1.2 (action plan)		MEDIUM	FY24	HEALTH	Complete: Gap and Asset assessment and development of a healthy homes action plan.
8.1.3	Community 8.1.3 (actionable goals)		MEDIUM	FY25	HEALTH	Complete: After successfully completing all goals in the 2022 Healthy Homes Action Plan, the Healthy Homes Network has launched a new Action Plan with specific strategies on mold, pests, smoke, hoarding, and reporting home condition issues.
	<b>Target - create a task force by 2021</b>					
8.2.1	Indoor Air 8.2.1 (mold management)		SHORT	FY21	HEALTH	Complete: A workgroup within the Healthy Homes Network has been created to address the mold strategy in the Healthy Homes Action Plan.
8.2.2	Indoor Air 8.2.2 (other air pollutants)		MEDIUM	FY25	HEALTH	Healthy Homes Network addresses multiple indoor air pollutants within residential spaces.

<div>  <b>9. AIR QUALITY</b> </div>						
Target - achieve new Federal target 70 ppb by 2023						
9.1.1	Air Quality 9.1.1 (development conditions)	<div><div></div><div></div><div></div><div></div></div>	SHORT	FY20	TES/OCA	Complete: 2023 Standard DSUP Conditions have been approved. Examples related to air quality: Increased % required EV charging & EV ready (to 5% or install publicly accessible charger), Reduced wood burning and natural gas fireplaces, with allowance in limited situations requiring buildings go electric, electric plug at loading docks to minimize idling, and further limit idling at construction sites; standard requirement for Erosion & Sediment control plans with new development/construction sites.
9.1.2	Air Quality 9.1.2 (Air Action Day)	<div><div></div><div></div><div></div><div></div></div>	SHORT	FY20	TES	<b>Complete and ongoing.</b> Increased notifications to residents related to Air Quality Action Day via social posts, updates to City webpages, and school engagement. <b>Internal and external notifications through City's Emergency Management communications and webpage notifications.</b>
9.1.3	Air Quality 9.3.3 (reduce non-point sources)	<div><div></div><div></div><div></div><div></div></div>	SHORT	FY21	TES	<b>Complete and ongoing.</b> Require BMPs for demolition, E&S controls, limiting idling on construction sites, limiting idling in loading/unloading zones. <b>City is working toward ban of gas-powered leaf blowers with City transition expected in FY26. Ongoing outreach and education planned for ban, if adopted.</b>
9.1.4	Air Quality 9.1.4 (promote electric lawn equipment)	<div><div></div><div></div><div></div><div></div></div>	SHORT	FY21	TES	<b>Website updates, outreach via email, calls and public meetings to community members, including landscape companies. City started using electric lawn equipment for T&amp;ES operations. RPCA, DGS, OCA, &amp; T&amp;ES are exploring electric lawn equipment in contracts and expanding city use of electric lawn equipment. Conducted demonstration events for commercial landscapers and City Staff. Ongoing outreach and education planned.</b>
9.1.5	Air Quality 9.1.5 (transportation projects impacts)	<div><div></div><div></div><div></div><div></div></div>	SHORT	FY22	TES	Discussions initiated on methodology and performance indicators.
9.1.6	Air Quality 9.1.6 (State of the Air report)	<div><div></div><div></div><div></div><div></div></div>	MEDIUM	FY24	TES	2023 Addendum for the 2009 State of the Air Report is drafted and in internal review.
<div>  <b>10. IMPLEMENTATION, EDUCATION &amp; OUTREACH</b> </div>						
Target - establish educational opportunities by 2023						affected by COVID staff limitations
10.1.1	Education 10.1.1 (robust campaign)	<div><div></div><div></div><div></div><div></div></div>	SHORT	FY20	OCA	Eco-City Academy relaunched FY 2025, will focus on creation of new Ambassadors from the Community. Multiple departments are coordinating on Eco-City Popups throughout ALX. OCA launched EcoCityALX social media campaigns
10.1.2	Education 10.1.2 (update resources)	<div><div></div><div></div><div></div><div></div></div>	SHORT	FY20	TES/OCA	Adding new activities in coordination with Eco-City teams across the City.
10.1.3	Education 10.1.3 (collaborate with schools)	<div><div></div><div></div><div></div><div></div></div>	SHORT	FY20	TES/OCA	<b>Art Contest with Students for Earth Day; continued discussions with ACPS to increase collaboration for school programs/activities. Executed engagement activities, such as pilot MWEE and Spring Break programs, in FY 2025 w/ T&amp;ES, OCA, RPCA. Increased ACPS engagement during Eco-City Festival.</b>
10.1.4	Education 10.4.4 (green business program)	<div><div></div><div></div><div></div><div></div></div>	SHORT	FY21	OCA	OCA Launched Green Business Recognition Program for retail and restaurants. Continuing to expand engagement with businesses
10.1.5	Education 10.1.5 (awards and incentives)	<div><div></div><div></div><div></div><div></div></div>	SHORT	FY21	TES/OCA	Collecting information on other locales; Expanded Stormwater Credit Policy; Flood Grant program implemented. OCA coordinating with EPC and others to develop voluntary reporting and recognition program
Target - annual updating of progress and metrics						
10.2.1	Monitoring 10.2.1 (metrics & key indicators)	<div><div></div><div></div><div></div><div></div></div>	SHORT	FY20	OCA	OCA planning website and dashboard updates in FY 25 for OCA and Eco-City websites.
10.2.2	Monitoring 10.2.2 (regional coordination)	<div><div></div><div></div><div></div><div></div></div>	SHORT	FY20	TES/OCA	OCA developed program with VA Tech, Phiux, and others for passive-design workforce training for trades. Exploring grant funding currently.
10.2.3	Monitoring 10.2.3 (annual report)	<div><div></div><div></div><div></div><div></div></div>	MEDIUM	FY24	TES/OCA	<b>OCA is reviewing the short- and mid-term actions in EAP in preparation for an expected FY 26 update of the EAP</b>
Progress Key:			Timing Key:			
Not started		<div><div></div><div></div><div></div><div></div></div>	SHORT	FY2019-2023		
Initiated		<div><div></div><div></div><div></div><div></div></div>	MEDIUM	FY2024-2028		
Moderate progress		<div><div></div><div></div><div></div><div></div></div>	LONG	FY2029 & BEYOND		
Significant progress		<div><div></div><div></div><div></div><div></div></div>				
Complete		<div><div></div><div></div><div></div><div></div></div>				