

EAP 2040 Status of Actions | April 2023

	GOALS, TRAGETS, AND ACTIONS	PROGRESS	EAP TIMING	EAP TARGET	LEAD	NOTES
	1. CLIMATE CHANGE					
	Target - reduce GHG 50% by 2030 and 80-100% by 2050					18% reduction in 2018 GHG inventory
1.1.1	Climate 1.1.1 (Energy & Climate Action task force established)		SHORT	FY2021	GSw/TES	ECCAP Task Force appointed March 2021
1.1.2a	Climate 1.1.2a (Policy for Emissions Calculations for CIP)		SHORT	FY2022	GS	
1.1.2b	Climate 1.1.2b (Emissions Calculations for CIP)		MEDIUM	FY2024	GS	
1.1.3	Climate 1.1.3 (sustainable investment criteria)		SHORT	FY2021	GS	sustainability in Impact Policy Statement for each plan
1.1.4	Climate 1.1.4 (vulnerability assessment)		MEDIUM	FY2024	GS	some work of the stormwater strike team
1.1.5	Climate 1.1.5 (Emergency Operations)		MEDIUM	FY2026	GS	
1.1.6	Climate 1.1.6 (update Emergency Operations Plan)		MEDIUM	FY2028	GS	
1.1.7	Climate 1.1.7 (state-level strategy)		MEDIUM	FY2024	GS	
1.1.8	Climate 1.1.8 (ECAP implementation)		LONG	FY2035	GS	
	2. ENERGY					
	Goal - 100% renewable for applicable City facilities					By 2030 all electric government facilities offset 100%
2.1.1	Renewable 2.1.1 (Offset Electrical Use w RECs)		SHORT	FY2020	GS	achieved about 98% FY2020
2.1.2	Renewable 2.1.2 (Energy Supply Strategy)		SHORT	FY2021	GS	
2.1.3	Renewable 2.1.3 (Direct Power Purchase)		SHORT	FY2023	GS	
2.1.4	Renewable 2.1.4 (electrification plan)		MEDIUM	FY2024	GS	
2.1.5	Renewable 2.1.5 (80% direct offsite)		MEDIUM	FY2028	GS	
2.1.6	Renewable 2.1.6 (full electrification)		LONG	FY2040	GS	
2.1.7	Renewable 2.1.7 (100% direct offsite)		LONG	FY2035	GS	
	Target - improve City facility efficiency by 25%					Action 2.2.4 by 2027
2.2.1	Efficiency 2.2.1 (Facility Index)		SHORT	FY2023	GS	
2.2.2	Efficiency 2.2.2 (Electric Vehicle Program)		SHORT	FY2021	DASH,ACPS,TES	DASH 14, 5 ACPS in 2020/21, TES 7 leafs/3 plugin vans increasing to 5 later
2.2.3a	Efficiency 2.2.3a (Building lighting Upgrades)		SHORT	FY2021	GS	~ 60% but not 75% by FY2021
2.2.3b	Efficiency 2.2.3b (Streetlighting Upgrades,10.2)		SHORT	FY2023	TES	92% ~ 9800 out of 10650 lights have been retrofitted
2.2.4	Efficiency 2.2.4 (reduce energy 25%)		MEDIUM	FY2027	GS	
2.2.5	Efficiency 2.2.5 (25% fleet electrification)		MEDIUM	FY2024	TES	
2.2.6	Efficiency 2.2.6 (10% transit fleet electrification)		MEDIUM	FY2028	DASH	
2.2.7	Efficiency 2.2.7 (reduce energy 50%)		LONG	FY2035	GS	
2.2.8	Efficiency 2.2.8 (100% fleet electrification)		LONG	FY2040	TES	
	Target - GHG/person to 6:2030, 4:2040, 1-3:2050					9.4 per capita w 2018 GHG inventory
2.3.1	Community 2.3.1 (Regulatory Activities)		SHORT	FY2019	GS	continuing to improve efficiency of energy code
2.3.2	Community 2.3.2 (CPACE)		SHORT	FY2020	GS	CPACE adopted - program plan launched
2.3.3	Community 2.3.3 (Electric Vehicle Charging)		SHORT	FY2020	OCA/GS	report accepted by Council FY 2021
2.3.4	Community 2.3.4(GHG tracking model)		MEDIUM	FY2024	GS	
2.3.5	Community 2.3.5 (robust efficiency programs)		LONG	FY2040	GS	
2.3.6	Community 2.3.6 (implement EV charging)		LONG	FY2029	OCA/GS	
	3. GREEN BUILDING					
	Target - Net Zero for Public Buildings					no target update - every 5-7 years per action 3.1.15
3.1.1	Building 3.1.1 (update green building policy)		SHORT	FY2019	OCA/PZ	Completed and future updates to occur.
3.1.2	Building 3.1.2 (Sustainability in DSP/DSUP)		SHORT	FY2020	OCA/PZ	Updated for 2020 and most years annually
3.1.3	Building 3.1.3 (Development checklist)		SHORT	FY2023	OCA/PZ	Upcoming with the Standard Condition update process.
3.1.4	Building 3.1.4 (track compliance)		SHORT	FY2020	OCA/PZ	Upcoming
3.1.5	Building 3.1.5 (update development conditions)		SHORT	FY2023	OCA/PZ	Ongoing
3.1.6	Building 3.1.6 (net zero process)		SHORT	FY2023	OCA/PZ	
3.1.7	Building 3.1.7 (new staff position, GBP)		SHORT	FY2021	OCA/PZ	Completed
3.1.8	Building 3.1.8 (incentive programs)		SHORT	FY2023	OCA/PZ	
3.1.9	Building 3.1.9 (Regulatory incentives)		SHORT	FY2023	OCA/PZ	Guidance for IRA incentives is still being issued
3.1.10	Building 3.1.10 (net zero in existing bldgs)		MEDIUM	FY2024	GS	
3.1.11	Building 3.1.11 (performance monitoring)		MEDIUM	FY2028	OCA/PZ	Piloted on PRGS redevelopment.
3.1.12	Building 3.1.12 (fee in lieu program)		MEDIUM	FY2028	PZ	
3.1.13	Building 3.1.13 (net zero standardized process)		MEDIUM	FY2028	OCA/PZ	
3.1.14	Building 3.1.14 (performance based procurement)		MEDIUM	FY2028	PZ	
3.1.15	Building 3.1.15 (update green building policy)		LONG		OCA/PZ	Upcoming and ongoing
3.1.16	Building 3.1.16 (carbon neutral)		LONG	FY2029	OCA/PZ	
	4. LAND USE & OPEN SPACE					
	Target - 40% Tree Canopy by 2035					
4.1.1	Trees 4.1.1 (Update Plans/Systems)		SHORT	FY2023	RPCA	
4.1.2	Trees 4.1.2 (Outreach/Partnerships)		SHORT	FY2023	RPCA	
4.1.3	Trees 4.1.3 (forest health index)		MEDIUM	FY2028	RPCA	
4.1.4	Trees 4.1.4 (plant a tree program)		MEDIUM	FY2028	RPCA	
4.1.5	Trees 4.1.5 (update U. Forestry Plan)		LONG	FY2029	RPCA	
	Goal - Increase Open Space Quantity and Quality					
4.2.1	Land 4.2.1 (Open Space steering com)		SHORT	FY2023	RPCA	Steering committee underway; finished task 1,working task 2
4.2.2	Land 4.2.2 (increase manage public land)		SHORT	FY2023	RPCA	
4.2.3	Land 4.2.3 (Open Space Requirements)		SHORT	FY2020	RPCA	steering committee working through tasks
4.2.4	Land 4.2.4 (maintain stream valleys)		MEDIUM	FY2028	RPCA	

4.2.5	Land 4.2.5 (unconventional open space)		MEDIUM	FY2028	RPCA	
	5. SOLID WASTE					
	Target - reduce emissions 12% by 2023					
5.1.1a	Recycle 5.1.1a (Glass Recycling)		SHORT	FY2020	TES	Complete- 5 glass bins installed and partnered with region
5.1.1b	Recycle 5.1.1b (phase Glass out of single stream)		SHORT	FY2021	TES	Complete - phased out glass from single stream, annual MRF audits conducted to track progress
5.1.2	Recycle 5.1.2 (Recycle Right)		SHORT	FY2019	TES	Ongoing -What goes where tool, new oops tags, recycling sorting game, where does it go webpage, social media campaigns and revised guide to services
5.1.3	Recycle 5.1.3 (Route Optimization Study)		SHORT	FY2020	TES	Complete - optimization study implemented.
5.1.4	Recycle 5.1.4 (Recycling Ordinance)		SHORT	FY2021	TES	No revisions made at this time, review of ordinance is ongoing
5.1.5	Recycle 5.1.5 (Composting)		SHORT	FY2020	TES	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	FY2028	TES	Ongoing - implemented No poo in the blue campaign for pet waste contamination reduction
5.1.7	Recycle 5.1.7 (commercial requirements)		MEDIUM	FY2028	TES	No revisions made at this time, review of ordinance is ongoing
5.1.8	Recycle 5.1.8 (organics collection)		MEDIUM	FY2028	TES	Curbside food waste pilot to start 2023 to evaluate feasibility until Feb 2025
5.1.9	Recycle 5.1.9 (alternative disposal study)		LONG	FY2028	TES	VDEQ tracks with SWIA and annual Recycling Rate Report on tonnages annually. SWMP also reviews capacity every 5 years
	Target - reduce/household waste by 5% by 2023					
5.2.1	Reduce 5.2.1 (Reuse Directory)		SHORT	FY2019	TES	Complete - reuse directory implemented
5.2.2	Reduce 5.2.2 (Collection Pricing)		SHORT	FY2021	TES	Delayed during COVID; evaluating PAYT as part of curbside composting pilot
5.2.3	Reduce 5.2.3 (Share a Bag)		SHORT	FY2020	TES	Suspended w/ COVID, but implemented a plastic bag tax
5.2.4	Reduce 5.2.4 (Builders Recycling Guide)		MEDIUM	FY2028	TES	Complete and ongoing
5.2.5	Reduce 5.2.5 (regional plastics plan)		LONG	FY2029	TES	Plastic bag tax adopted Jan 2022 working with NVRC region and implemented novaplasticsolution.org
5.2.6	Reduce 5.2.6 (sustainable purchasing)		LONG	FY2029	TES	under discussion, staff changes slowed progress
	6. WATER RESOURCES					
	Target - meet 70% of phosphorus requirement by 2023					
6.1.1	Enhancement 6.1.1 (exceed mandates)		SHORT	FY2023	TES	70% achieved as reported for FY2022 (40% required)
6.1.2	Enhancement 6.1.2 (environmental educator)		SHORT	FY2021	TES	Communication Officer position created in IEQ
6.1.3	Enhancement 6.1.3 (implementation policy)		SHORT	FY2020	TES	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	FY2025	TES	70% achieved as reported for FY2022 (100% required by FY2028)
6.1.5	Enhancement 6.1.5 (prioritize projects)		MEDIUM	FY2024	TES	Initiated but stalled due to staff resources focused on pausing stream restoration efforts
6.1.6	Enhancement 6.1.6 (stream assessment)		LONG	FY2030	TES	Likely not to occur due to community concerns with stream restoration
6.1.7	Enhancement 6.1.7 (20% retrofit of existing)		LONG	FY2029	TES	
	Target - reduce flooding risk and improve water quality					
6.2.1	Infrastructure 6.2.1 (flood insurance rating)		SHORT	FY2022	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	FY2022	TES	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	FY2023	TES	
6.2.3	Infrastructure 6.2.3 (education effort)		SHORT	FY 2023	TES	
6.2.4	Infrastructure 6.2.4 (minimize sewer overflows-CSO)		MEDIUM	FY2025	TES	
6.2.5	Infrastructure 6.2.5 (water reuse)		MEDIUM	FY2028	TES	
6.2.6	Infrastructure 6.2.6 (safe water supply)		MEDIUM	FY2028	TES	
6.2.7	Infrastructure 6.2.7 (stormwater master plan)		LONG	FY2030	TES	Effort initiated as part of the Interdepartmental Long-Range Planning Work Program
	7. TRANSPORTATION					
	Target - reduce VMT by 1%/year by 2023					
7.1.1	Low-carbon 7.1.1 (implement Vision Zero)		SHORT	FY2023	TES	finished 3 yr action plan, safety improvements implemented
7.1.2	Low-carbon 7.1.2 (add bike infrastructure)		SHORT	FY2023	TES	
7.1.3	Low-carbon 7.1.3 (development checklist)		SHORT	FY2023	TES	updated checklist 2022
7.1.4	Low-carbon 7.1.4 (mobility device regulations)		SHORT	FY 2023	TES	Permanent program adopted
7.1.5	Low-carbon 7.1.5 (plan for zero emission buses)		SHORT	FY2021	TES	
7.1.6	Low-carbon 7.1.6 (low stress multi-modal)		SHORT	FY2023	TES	
7.1.7	Low-carbon 7.1.7 (bike and pedestrian projects)		MEDIUM	FY2028	TES	Ongoing
7.1.8	Low-carbon 7.1.8 (school walk projects)		MEDIUM	FY2025	TES	Ongoing
	Target - increase low-carbon mobility by 15% by 2023					
7.2.1	Reduce cars 7.2.1(mobility plan)		SHORT	FY2023	TES	adoption Oct 2021
7.2.2	Reduce 7.2.2 (Potomac Yard metrorail)		SHORT	FY2023	TES	Scheduled to open Spring 2023
7.2.3	Reduce 7.2.3 (incentive for options)		MEDIUM	FY2028	TES	addressed in Alexandria Mobility Plan, some parking cash in programs established including for City staff
	Target - increase dedicated bus lanes -1.5 miles by 2030					
7.3.1	Transit 7.3.1 (mobile-friendly technologies)		SHORT	FY2023	TES	Regional coordination on-going

7.3.2	Transit 7.3.2 (West End and Route 1 Transitways)		MEDIUM	FY2028	TES	Design of West End Transitway underway, advancing next phase of Route 1
7.3.3	Transit 7.3.3 (Duke Street Transitway)		LONG	FY2040	TES	Duke Street in Motion project underway with input from Advisory Group, Council providing direction on configuration in Summer 2023
8. ENVIRONMENTAL HEALTH						
Target - update Assessment by 2023						
COVID 19 a priority and no action updates						
8.1.1	Community 8.1.1 (assessment)		SHORT	FY2021	HEALTH	
8.1.2	Community 8.1.2 (action plan)		MEDIUM	FY2024	HEALTH	
8.1.3	Community 8.1.3 (actionable goals)		MEDIUM	FY2025	HEALTH	
8.1.4	Community 8.1.4 (review of progress)		LONG	FY2030	HEALTH	
Target - create a task force by 2021						
8.2.1	Indoor Air 8.2.1 (mold management)		SHORT	FY2021	HEALTH	
8.2.2	Indoor Air 8.2.2 (other air pollutants)		MEDIUM	FY2025	HEALTH	
9. AIR QUALITY						
Target - achieve new Federal target 70 ppb by 2023						
9.1.1	Air Quality 9.1.1 (development conditions)		SHORT	FY2020	TES/OCA	Ongoing - Staff is updating Standard Conditions for development projects to address the following items related to air quality: EV & EV charging, limits on natural gas consumption, requiring buildings go electric, electric plug at loading docks to minimize idling; Erosion & Sediment control conditions.
9.1.2	Air Quality 9.1.2 (Air Action Day)		SHORT	FY2020	TES	Ongoing discussions on getting notice out to residents on poor air action day.
9.1.3	Air Quality 9.3.3 (reduce non-point sources)		SHORT	FY2021	TES	Require BMPs for demolition, E&S controls, handling contaminated soils
9.1.4	Air Quality 9.1.4 (promote electric lawn equipment)		SHORT	FY2021	TES	Website updates, outreach to landscaping companies, City started using electric lawn equipment
9.1.5	Air Quality 9.1.5 (transportation projects impacts)		SHORT	FY2022	TES	Discussions initiated on methodology and performance indicators.
9.1.6	Air Quality 9.1.6 (State of the Air report)		MEDIUM	FY2024	TES	
9.1.7	Air Quality 9.1.7 (implement Air report)		LONG	FY2029	TES	
10. IMPLEMENTATION, EDUCATION & OUTREACH						
Target - establish educational opportunities by 2023						
affected by COVID staff limitations						
10.1.1	Education 10.1.1 (robust campaign)		SHORT	FY2020	TES/OCA	Eco-City Academy launched spring 2021 - will continue when Sustainability position/ Office of Climate Action are fully staffed. Earth Month events; other educational events, social media
10.1.2	Education 10.1.2 (update resources)		SHORT	FY2020	TES/OCA	Ongoing.
10.1.3	Education 10.1.3 (collaborate with schools)		SHORT	FY2020	TES/OCA	Art Contest with Students for Earth Day
10.1.4	Education 10.4.4 (green business program)		SHORT	FY2021	TES/OCA	evaluating options, need funding
10.1.5	Education 10.1.5 (awards and incentives)		SHORT	FY2021	TES/OCA	collecting information on other locales; Expanded Stormwater Credit Policy; Flood Grant program implemented
Target - annual updating of progress and metrics						
10.2.1	Monitoring 10.2.1 (metrics & key indicators)		SHORT	FY2020	TES/OCA	2020 key indicators updated, 40 City buildings benchmarked 2021
10.2.2	Monitoring 10.2.2 (regional coordination)		SHORT	FY2020	TES/OCA	regional planning with MWCOG and NVRC
10.2.3	Monitoring 10.2.3 (annual report)		MEDIUM	FY2024	TES/OCA	EAP 2040 FY2019, 2020, 2021 to be combined
Progress Key:						
Timing Key:						
Not started				SHORT	FY2019-2023	
Initiated				MEDIUM	FY2024-2028	
Moderate progress				LONG	FY2029 & BEYOND	
Significant progress						
Complete						