







# EAP 2040 Status of Actions

	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>					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	
	<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	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	
	<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	FY2023	GS	
2.2.2	Efficiency 2.2.2 (Electric Vehicle Program)		SHORT	FY2021	S, TES	DASH 14, 5 ACES in 2020/21, 1037 cars/3 program vans increasing to 5,000
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	42% ~ 4,200 lights FY2022 to date
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% transit fleet electrification)		LONG	FY2040	TES	
	<b>Target - GHG/person to 6:2030, 4:2040, 1-3:2050</b>					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	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	GS	
	<b>3. GREEN BUILDING</b>					
	<b>Target - Net Zero for Public Bldgs</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	FY2019	PZ	completed
3.1.2	Building 3.1.2 (Sustainability in DSP/DSUP)		SHORT	FY2020	PZ	updated for 2020 and most years annually
3.1.3	Building 3.1.3 (Development checklist)		SHORT	FY2023	PZ	updated review checklists
3.1.4	Building 3.1.4 (track compliance)		SHORT	FY2020	PZ	
3.1.5	Building 3.1.5 (update development conditions)		SHORT	FY2023	PZ	second update continues to add more sustainability
3.1.6	Building 3.1.6 (net zero process)		SHORT	FY2023	PZ	
3.1.7	Building 3.1.7 (new staff position, GBP)		SHORT	FY2021	PZ	FY 2022 budget funds position- not hired yet
3.1.8	Building 3.1.8 (incentive programs)		SHORT	FY2023	PZ	
3.1.9	Building 3.1.9 (Regulatory incentives)		SHORT	FY2023	PZ	
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	PZ	
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	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		PZ	
3.1.16	Building 3.1.16 (carbon neutral)		LONG	FY2029	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	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	
	<b>Goal - Increase Open Space Quantity and Quality</b>					

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	
<b>5. SOLID WASTE</b>						
<b>Target - reduce emissions 12% by 2023</b>						
5.1.1a	Recycle 5.1.1a (Glass Recycling)		SHORT	FY2020	TES	tracking shows increasing trend
5.1.1b	Recycle 5.1.1b (phase Glass out of single stream)		SHORT	FY2021	TES	separate glass only or trash option implemented
5.1.2	Recycle 5.1.2 (Recycle Right)		SHORT	FY2019	TES	What goes where tool implemented
5.1.3	Recycle 5.1.3 (Route Optimization Study)		SHORT	FY2020	TES	
5.1.4	Recycle 5.1.4 (Recycling Ordinance)		SHORT	FY2021	TES	
5.1.5	Recycle 5.1.5 (Composting)		SHORT	FY2020	TES	
5.1.6	Recycle 5.1.6 (public bin evaluation)		MEDIUM	FY2028	TES	
5.1.7	Recycle 5.1.7 (commercial requirements)		MEDIUM	FY2028	TES	
5.1.8	Recycle 5.1.8 (organics collection)		MEDIUM	FY2028	TES	
5.1.9	Recycle 5.1.9 (alternative disposal study)		MEDIUM	FY2028	TES	
<b>Target - reduce/household waste by 5% by 2023</b>						
5.2.1	Reduce 5.2.1 (Reuse Directory)		SHORT	FY2019	TES	
5.2.2	Reduce 5.2.2 (Collection Pricing)		SHORT	FY2021	TES	
5.2.3	Reduce 5.2.3 (Share a Bag)		SHORT	FY2020	TES	
5.2.4	Reduce 5.2.4 (Builders Recycling Guide)		MEDIUM	FY2028	TES	
5.2.5	Reduce 5.2.5 (regional plastics plan)		LONG	FY2029	TES	plastic bag tax adopted September 2021, implemented 1/2022
5.2.6	Reduce 5.2.6 (sustainable purchasing)		LONG	FY2029	TES	under discussion, staff changes slowed progress
<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	FY2023	TES	
6.1.2	Enhancement 6.1.2 (environmental educator)		SHORT	FY2021	TES	
6.1.3	Enhancement 6.1.3 (implementation policy)		SHORT	FY2020	TES	
6.1.4	Enhancement 6.1.4 (100% pollution reduction)		MEDIUM	FY2025	TES	achieved more than 50% w BB pond
6.1.5	Enhancement 6.1.5 (prioritize projects)		MEDIUM	FY2024	TES	
6.1.6	Enhancement 6.1.6 (stream assessment)		LONG	FY2030	TES	
6.1.7	Enhancement 6.1.7 (20% retrofit of existing)		LONG	FY2029	TES	
<b>Target - reduce flooding risk and improve water quality</b>						
6.2.1	Infrastructure 6.2.1 (flood insurance rating)		SHORT	FY2022	TES	CRS review in 2020 stayed at 6 rating under new criteria
6.2.2a	Infrastructure 6.2.2a (prioritize nuisance drainage)		SHORT	FY2022	TES	strike team part of this action
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	2025 target completion
6.2.5	Infrastructure 6.2.5 (water reuse)		MEDIUM	FY2028	TES	Eisenhower East SAP water reuse
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	
<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	FY2023	TES	finished 3 yr action plan, proceeding with initiatives
7.1.2	Low-carbon 7.1.2 (add bike infrastructure)		SHORT	FY2023	TES	Seminary Road, Royal Street
7.1.3	Low-carbon 7.1.3 (development checklist)		SHORT	FY2023	TES	Checklist currently exists, have not yet updated
7.1.4	Low-carbon 7.1.4 (mobility device regulations)		SHORT	FY 2023	TES	Regulations updated; Phase II later
7.1.5	Low-carbon 7.1.5 (plan for zero emission buses)		SHORT	FY2021	TES	Awarded ZEB Implementation Study Contract
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
<b>Target - increase low-carbon mobility by 15% by 2023</b>						
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	Construction began in Dec 2020 and is on schedule
7.2.3	Reduce 7.2.3 (incentive for options)		MEDIUM	FY2028	TES	addressed in Alexandria Mobility Plan
<b>Target - increase dedicated bus lanes -1.5 miles by 2030</b>						
7.3.1	Transit 7.3.1 (mobile-friendly technologies)		SHORT	FY2023	TES	Coordinating with partners
7.3.2	Transit 7.3.2 (West End and Route 1 Transitways)		MEDIUM	FY2028	TES	begin design of West End Transitway, advancing Route 1
7.3.3	Transit 7.3.3 (Duke Street Transitway)		LONG	FY2040	TES	Awarded \$75 million for construction
<b>8. ENVIRONMENTAL HEALTH</b>						
<b>Target - update Assessment by 2023</b>						
8.1.1	Community 8.1.1 (assessment)		SHORT	FY2021	HEALTH	COVID 19 a priority and no action updates
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	
<b>Target - create a task force by 2021</b>						
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	

 <b>9. AIR QUALITY</b>																		
<b>Target - achieve new Federal target 70 ppb by 2023</b>																		
9.1.1	Air Quality 9.1.1 (development conditions)		SHORT	FY2020	TES	new Special Use Permit conditions developed to mimic emissions												
9.1.2	Air Quality 9.1.2 (Air Action Day)		SHORT	FY2020	TES	Missile Device November 2019, new DCUR conditions for EV												
9.1.3	Air Quality 9.3.3 (reduce non-point sources)		SHORT	FY2021	TES													
9.1.4	Air Quality 9.1.4 (promote electric lawn equipment)		SHORT	FY2021	TES	banning gas-powered lawn equipment -2022 legislative proposals												
9.1.5	Air Quality 9.1.5 (transportation projects impacts)		SHORT	FY2022	TES													
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													
 <b>10. IMPLEMENTATION, EDUCATION &amp; OUTREACH</b>																		
<b>Target - establish educational opportunities by 2023</b>																		
10.1.1	Education 10.1.1 (robust campaign)		SHORT	FY2020	TES	affected by COVID staff limitations												
10.1.2	Education 10.1.2 (update resources)		SHORT	FY2020	TES	Eco-City Academy launched spring 2021, library series FY2021												
10.1.3	Education 10.1.3 (collaborate with schools)		SHORT	FY2020	TES	Eco-City web page updating needs more staff resources												
10.1.4	Education 10.4.4 (green business program)		SHORT	FY2021	TES	TC science class/Net zero construction, NVCC, GWU												
10.1.5	Education 10.1.5 (awards and incentives)		SHORT	FY2021	TES	evaluating options, need funding												
<b>Target - annual updating of progress and metrics</b>																		
10.2.1	Monitoring 10.2.1 (metrics & key indicators)		SHORT	FY2020	TES	2020 key indicators updated, 40 City buildings benchmarked												
10.2.2	Monitoring 10.2.2 (regional coordination)		SHORT	FY2020	TES	2021 regional planning with MWCOG and others												
10.2.3	Monitoring 10.2.3 (annual report)		MEDIUM	FY2024	TES	EAP 2040 FY2019, 2020, 2021 to be combined												
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><b>Progress Key:</b></td> <td style="width: 50%;"><b>Timing Key:</b></td> </tr> <tr> <td>Not started </td> <td>SHORT 2023</td> </tr> <tr> <td>Initiated </td> <td>MEDIUM 2028</td> </tr> <tr> <td>Moderate progress </td> <td>LONG BEYOND</td> </tr> <tr> <td>Significant progress </td> <td></td> </tr> <tr> <td>Complete </td> <td></td> </tr> </table>							<b>Progress Key:</b>	<b>Timing Key:</b>	Not started	SHORT 2023	Initiated	MEDIUM 2028	Moderate progress	LONG BEYOND	Significant progress		Complete	
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