

## Summary of Environmental Action Plan 2040 Proposed Goals and Targets

EAP has ten topic areas: 1. Climate Change, 2. Energy, 3. Green Building, 4. Land Use and Open Space, 5. Solid Waste, 6. Water Resources, 7. Transportation, 8.Environmental Health, 9. Air Quality, and 10. Implementation, Education and Outreach.

Each area has 1-3 Goals & Targets with 3-9 actions under each Goal and Target pair.

Topic Area	Goal	Target
1	Increase the City's preparedness to climate change and environmental emergencies.	Reduce GHG emissions by 50 percent by FY2030 and 80 percent by FY2050 with state and federal contributions
2.1	Government facilities to 100 percent clean electricity	Offset this electrical energy use by 100 percent renewable energy.
2.2	Accelerate efficiency and emission reduction for City-owned facilities and City-affiliated transportation.	Improve energy efficiency by 25 percent over FY2018.
2.3	Reduce greenhouse gas (GHG) emissions from community energy consumption	Reduce GHGs to 10 CO2 equivalent metric tons per capita by FY2022 and 6 metric tons by FY2040.
3	Optimize the economic, environmental, and social performance of new and existing buildings	Green Building Policy: set expectations for new and existing buildings for achieving goals for GHG emissions, water use, and stormwater runoff reduction and set a path for new city-owned buildings to a net zero standard.
4.1	Preserve and expand a healthy urban tree canopy.	Average overall tree canopy to minimum of 40 percent.
4.2	Increase open space quantity and improve the environmental quality, management, and social benefits of open space.	Maintain the ratio of 7.3 acres of publicly accessible open space per 1,000 residents.
5.1	Recover resources and reduce GHG emissions by optimizing the collection and processing of solid waste.	Establish a GHG emissions baseline of FY2019 and reduce the emissions by at least 12 percent measured annually
5.2	Reduce total solid waste collected City-served residential customers.	Reduce the total solid waste per household collected city-served residential customers by five percent as compared with a baseline of FY2018.
6.1	Alexandria's waterbodies are fishable and swimmable	Stormwater is managed to enhance the quality of local waterways to include ecological, public health, social, and economic benefits.

6.2	Ensure safe and adequate infrastructure for drinking water supply, stormwater management, and wastewater treatment.	Meeting regulatory and infrastructure demands through planning, coordination, and implementation resulting in safe and adequate drinking water, reduced risk of flooding, and improved river and bay.
7.1	Residents and visitors have access to the city using low-carbon mobility, guided by a precedence order of: pedestrians, bicyclists, public transit, shared motor vehicles, freight vehicles, and private motor vehicles.	Reduce total average vehicle miles traveled (VMT) per capita by 1 percent per year.
7.2	Reduce automobile dependency and inform individuals and employers on mobility options other than single-occupancy driving.	Increase the share of all trips taken by public transit, walking and biking by at least 15 percent using the baseline 2018 Mobility Survey.
7.3	Improve and expand public transit so passenger rail and bus systems are safe, reliable, accessible, convenient, attractive, efficient, and equitable.	Double the miles of dedicated bus infrastructure to 1.5 miles.
8.1	Explore the broad physical and social environments that are impacting Alexandria's health and safety and to develop an action plan	Create an updated Community Environmental Health Assessment with an accurate and verifiable status of the Community's Environmental Health
8.2	Investigate mold complaints in residential properties and to provide advice and assistance to residents on remediation strategies.	Create a Task Force dedicated to providing support and assistance to the residents of Alexandria that are experiencing mold
9	Reduce air pollution from all types of sources and take necessary actions to assist the Northern Virginia Region in complying with all National Ambient Air Quality Standards (NAAQS) for criteria pollutants.	Achieve compliance with 2015 ozone NAAQS of 70 ppb and other pollutants for the Metropolitan Washington Council of Governments (MWWOG) region
10.1	Increase public awareness of sustainability challenges and opportunities for residents, businesses, and City staff to make an impact.	Establish ongoing educational opportunities to increase awareness of environmental challenges and provide recommendations for adoptable sustainable practices for residents, businesses, and City staff.
10.2	Enhance implementing, monitoring, measuring, and reporting EAP 2040 efforts by the city, community and regional partners.	Annual updating of EAP progress and sustainability metrics.