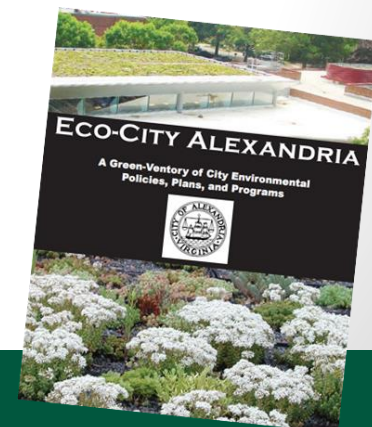
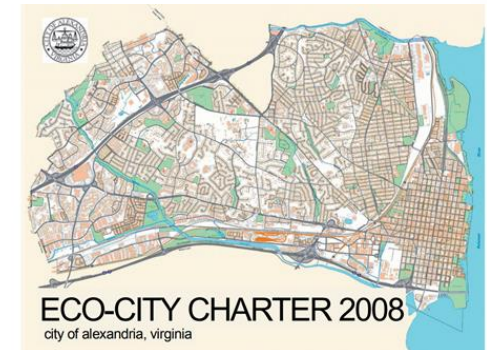
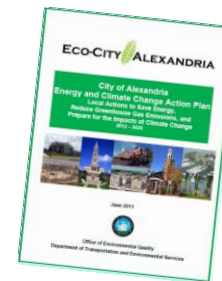
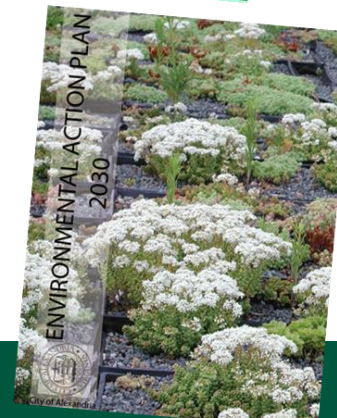
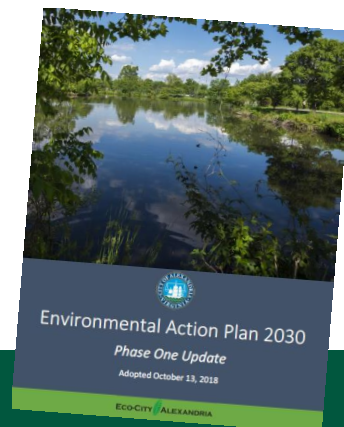
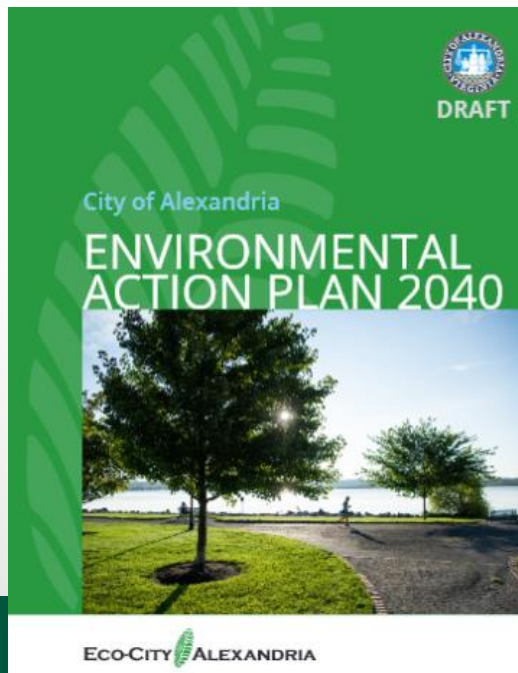




# Environmental Action Plan 2040

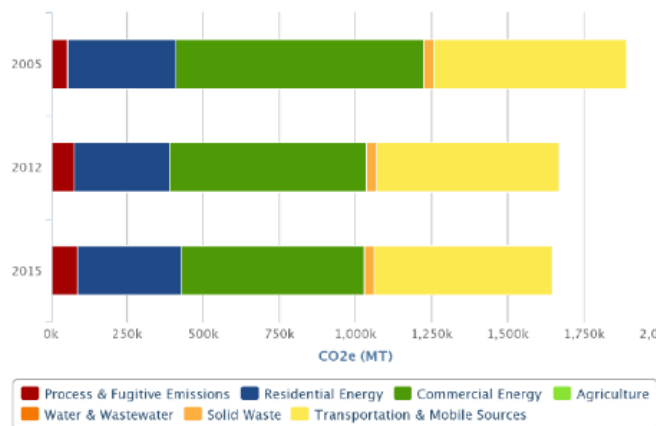
June 11, 2019



# Accomplishments

- Completed a majority of 363 actions in 2009 EAP
- Closed the coal-fired power plant ahead of schedule
- Reduced GHG by 13% in 2015 vs 2005 levels
- Reduced vehicles miles traveled/person by 12.5% (2010-2016)
- Achieved 95% (of 10M sq.ft.) compliance w/Green Building Policy
- Reduced storm water pollution for phosphorus by 40%
- Improved recycling rate to 48% & has a Recycle Right campaign
- Increased energy efficiency of buildings/lights by 14% since 2006
- Acquired more than 100 acres of open space

City of Alexandria, Virginia  
Community-Wide Greenhouse Gas Inventory Summary



# Environmental Action Plan 2040

- Climate Change
- Energy
- Green Building
- Land Use & Open Space
- Solid Waste
- Transportation
- Water Resources
- Environmental Health
- Air Quality
- Implementation, Education, and Outreach





# Public Engagement

Public input including Eco-City Café, Eco-City Summit, other events, and online feedback in collaboration with:

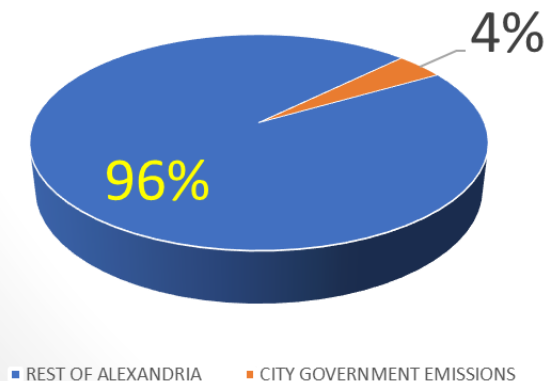
- Staff across City departments
- Environmental Policy Commission



# Outreach and Education

- Update metrics and key indicators
- Add dashboards to Eco-City website
- Enhance online resources
- Increase social media presence
- Launch Eco-City Academy → Ambassadors
- Increase eNews coverage
- Collaborate with schools

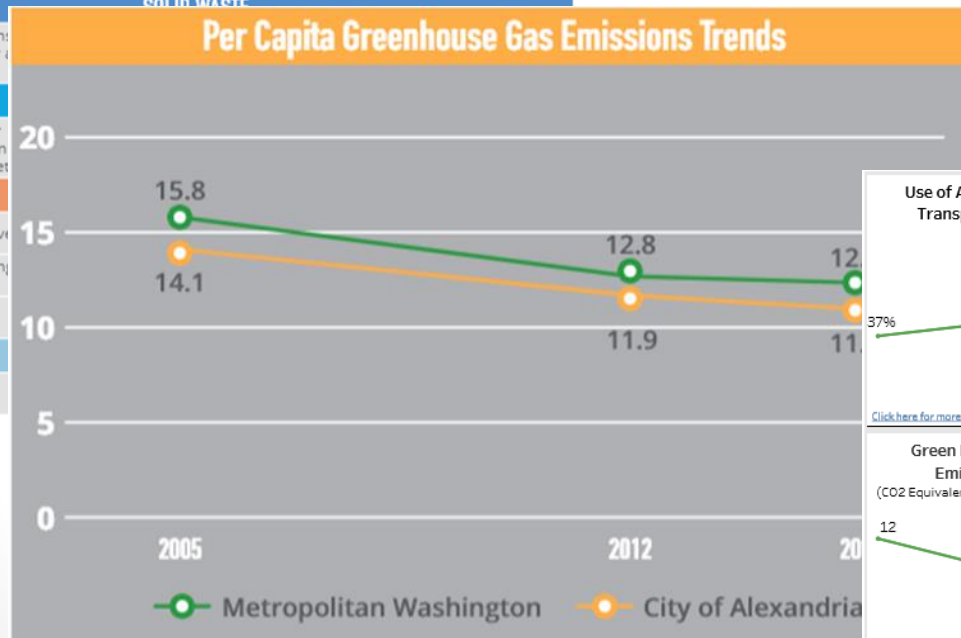
SOURCE OF EMISSIONS (2012)



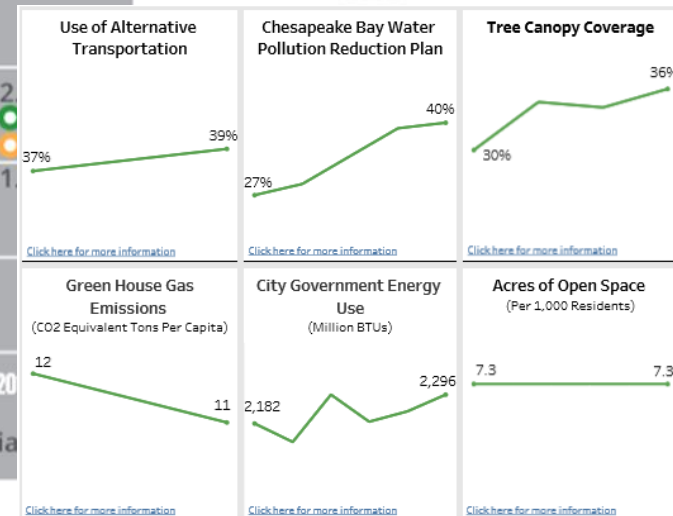
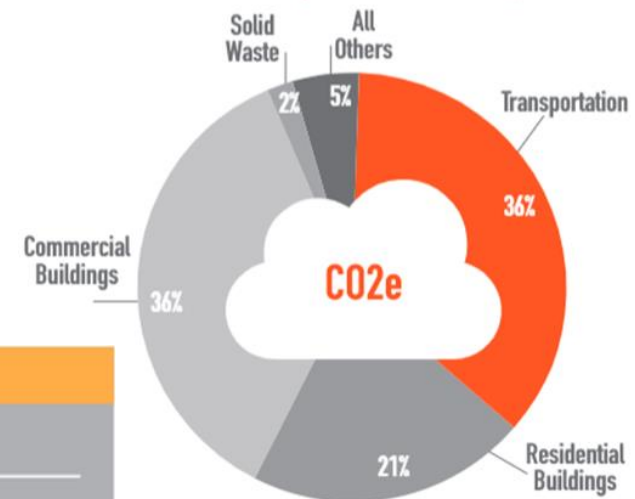
# Example EAP 2040 Metrics

Metric	Short-term	Mid-term	Long-term
<b>CLIMATE CHANGE</b>			
Total GHG emission reduction over 2005 baseline			50% by FY2030 and 80-100% by FY2050
<b>ENERGY</b>			
Government facilities to percent electricity renewable offset	100% by 2020		
Improve energy efficiency for City-owned facilities and affiliated transportation			Reduce by 25% by FY2030 over FY2018
Reduce GHG emissions per capita	10 metric tons per capita by FY2022	6 metric tons per capita by FY2030	4 metric tons by FY2040 and 1-3 by FY2050
<b>LAND USE AND OPEN SPACE</b>			
Tree Canopy percent			40% by FY2035
Open Space Acres per 1,000 residents	7.3	7.3	7.3

<b>SOLID WASTE</b>			
Reduce GHG emissions from solid waste over 2019 baseline			
Achieve stormwater phosphorus pollution reduction (MS4) target			
Reduce vehicle miles traveled			
Increase transit, walking, and biking			
Increase dedicated bus lanes			
Reduce ozone			



Carbon dioxide equivalent emissions from the City's 2015 GHG Inventory



# Incorporate Future Actions

Concurrent efforts will add more actions to the EAP 2040

- Green Building Policy update
- Open Space Study



# Questions