



WHAT CAN YOU DO TO REDUCE GLOBAL WARMING POLLUTION?

Climate change is a real and urgent threat to the environmental and economic sustainability of our community. To win the fight against global warming, we need you to take the following steps towards living a carbon-neutral lifestyle.

- Calculate your carbon footprint at www.carbonfootprint.com
- Purchase a fuel-efficient car and drive less
- Buy products with the "Energy Star" label
- Heat and cool smartly using programmable thermostats
- Replace ordinary bulbs with compact fluorescent bulbs (CFL)
- Turn off unused appliances and electronic devices
- Plant a tree
- Reduce, Reuse, and Recycle
- Use water wisely

"As a lifelong resident and Mayor of Alexandria, I am very concerned about the potential impacts climate change will have on a coastal city such as Alexandria and its residents. With the potential for increased temperatures and a rising sea level as a result of global warming, the frequency and severity of damage from hurricanes and flooding will increase. Currently small localized flooding of the Potomac River in Old Town is a regular occurrence and is a manageable problem. However, with the impact of global climate change, flooding will become a significant issue impacting public safety, property damage and the City's economy."

MAYOR WILLIAM D. EUILLE

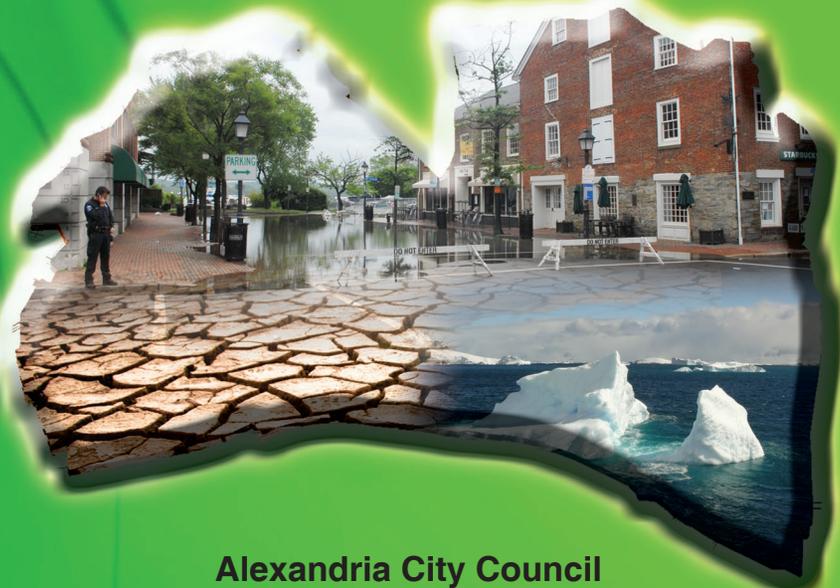


For additional information, contact
Department of Transportation & Environmental Services, Division of Environmental Quality at
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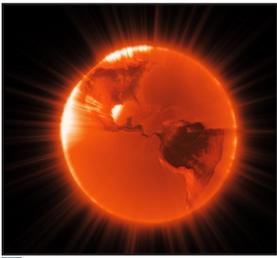
ALEXANDRIA'S CLIMATE CHANGE INITIATIVES



Alexandria City Council

Mayor William D. Euille
Vice Mayor Redella S. "Del" Pepper
Councilman Ludwig P. Gaines
Councilman Rob Krupicka
Councilmember Timothy B. Lovain
Councilman Paul C. Smedberg
Councilman Justin M. Wilson

Actions for a Sustainable Alexandria



WHAT ARE GLOBAL WARMING AND CLIMATE CHANGE?

Global warming refers to an average increase in the earth's temperature that in turn, causes changes in the global climate. Most of the observed

increase in global temperature is attributable to rise in atmospheric concentrations of greenhouse gases such as carbon dioxide (CO₂), methane (CH₄), nitrous oxides (N₂O), and fluorinated gases. The primary human activities that contribute to the release of these pollutants are fossil fuel combustion, industrial processes, and agricultural byproducts.

CLIMATE PROTECTION AGREEMENT AND "COOL CITIES"

In February 2005, Mayor Euille endorsed and signed the 2005 U.S. Mayors Climate Protection Agreement along with 278 other mayors from 43 states representing a total population of 48.5 million citizens. This agreement committed Alexandria to meet or exceed the Kyoto Protocol greenhouse gas reduction targets through the use of local land use planning, urban forest restoration, public outreach campaigns, and other greenhouse gas reduction strategies.

In November 2005, the Sierra Club recognized the City of Alexandria as a "Cool City." Being designated as a "Cool City" means the City has committed to the following:

Step 1: Sign the U.S. Mayors Climate Protection Agreement to reduce global warming pollution and perform a greenhouse gas emission inventory.

Step 2: Green the City's vehicle fleets with hybrid and other cleaner cars.

Step 3: Modernize City buildings with money-saving, energy-efficient technology.

Step 4: Invest in clean and safe renewable energy.

ALEXANDRIA'S PLAN TO MEET ITS CLIMATE PROTECTION GOALS

Investments in renewable energy resources

- The City's municipal waste facility generates enough electricity to supply 20,000 homes.
- The operation of this facility contributes to a reduction in CO₂ emissions of approximately 160,000 metric tons per year.

Improvement projects for City buildings

- City Council approved a budget of \$1.25 million for energy-conservation.
- The City is replacing incandescent lighting with energy-efficient fluorescent bulbs and distributed compact fluorescent bulbs at the City's 2007 Earth Day event.
- An Energy Manager was recently hired to implement energy conservation projects in City buildings.

Promote sustainable building practices

- The City's goal is to achieve LEED-Silver rating for all new City-owned facilities over 5,000 square feet.
- The City was awarded a Green Innovation Award from Virginia Sustainable Building Network for the new T.C. Williams High School.
- The City installed green roofs at Alexandria Health Department, T.C. Williams High School, and Duncan Library with another planned for Cora Kelly Elementary School.

Promote tree planting to increase shading and to absorb CO₂

- The City plants approximately 350 trees annually. These trees store about 13.5 metric tons of CO₂.
- An Urban Forestry Master Plan is being completed by the Urban Forestry Steering Committee.

Retrofit school buses with emission control devices

- VDEQ awarded the City a grant to retrofit about 40 diesel-powered school buses with emission control devices.

Increase the average fuel efficiency of municipal fleet vehicles

- The City's sedans and SUVs are being replaced with low-emission/more energy-efficient vehicles and the fleet has 55 low-emission vehicles including 14 hybrids.

Land-use policies that reduce urban sprawl, create walkable communities and encourage mixed-use development

- The Open Space Master Plan, adopted in 2003 led to the acquisition of eight parcels consisting of 64 acres of key Waterfront and Four Mile Run properties.

Promote sustainable transportation options

- The City hired a Pedestrian/Bicycle Coordinator and is developing a Comprehensive Transportation Master Plan.
- Free bus rides are provided on air quality action days and financial incentives are provided to City employees to use the Metro and DASH transit system.

Increase recycling rates in City operations and community

- In 2006, a new Multi-family Residential and Business Recycling Program was initiated with initial compliance expected in 2007.
- The City expanded its leaf collection program for turning leaves into mulch.

