

Clean Air Northeast Florida **REGIONAL** **ACTION PLAN** (Overview)



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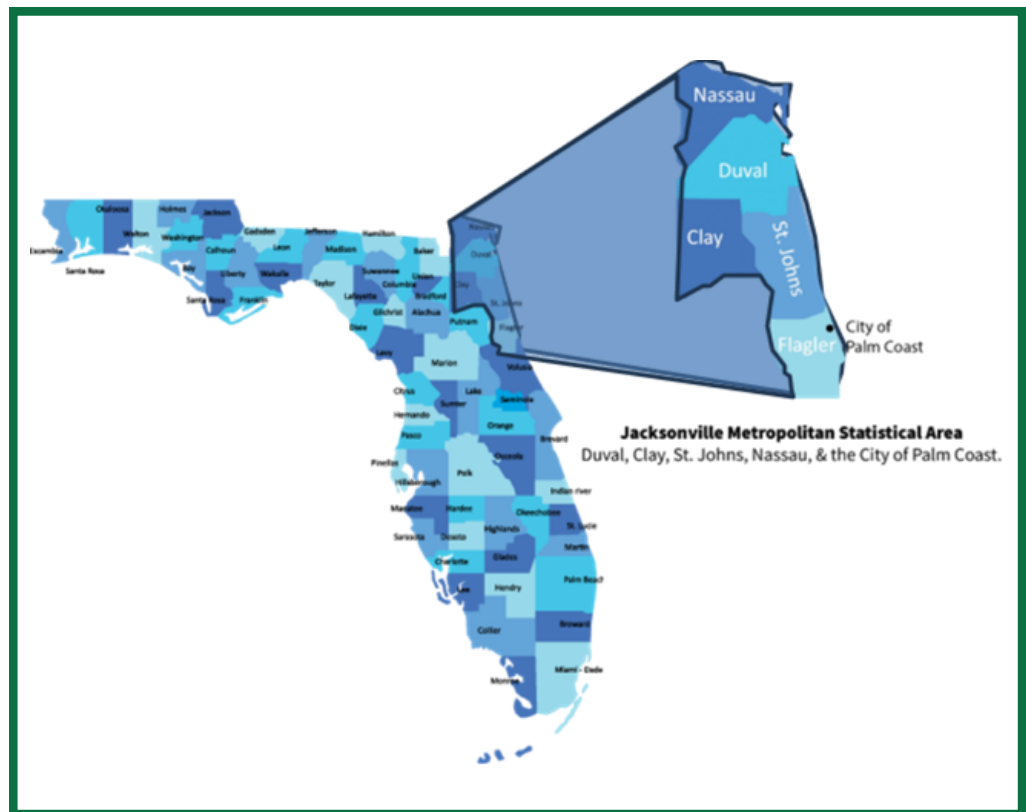
CLEAN AIR NORTHEAST
FLORIDA
REGIONAL CLIMATE ACTION PLAN

WHAT IS CLEAN AIR NEFL?

Clean Air Northeast Florida (Clean Air NEFL) is the regional planning initiative for the Jacksonville Metropolitan Statistical Area (MSA), bringing together Duval, Clay, Nassau, St. Johns Counties, and the City of Palm Coast to improve air quality, reduce pollution, improve community education & build a healthier, more resilient future. Supported by the U.S. Environmental Protection Agency's Climate Pollution Reduction Grants (CPRG) Program, the Jacksonville MSA received a planning grant to develop a collaborative regional strategy that reflects the needs of more than 1.6 million residents across Northeast Florida's coastal, suburban, and rural communities and develop shovel ready projects for future funding opportunities.

The Plan is a collaborative planning framework designed to inspire partnerships and support voluntary actions that improve air quality and community resilience across the region. The incentive also promotes environmental education, public awareness, and community engagement resources to empower residents, businesses, organizations, and local governments to make informed decisions and take meaningful action.

This document is a condensed summary of that regional planning effort and does not represent an adopted policy or regulatory requirement for participating local governments.



PRIORITY AREAS



ENERGY

Electricity generation and fuel supply systems that power buildings, transportation, and industry.



INDUSTRY

Manufacturing and industrial operations, including material production, processing and design and maintenance



COMMERCIAL

Offices, retail, healthcare, education, and other non-residential buildings; design, operations, and maintenance



AGRICULTURE, FORESTRY & OTHER LAND USE (AFOLU)

Agriculture, Timber, Gardens, Land management practices, forestry, and natural carbon sinks.



RESIDENTIAL

Homes, condos, and multifamily housing, design, operations, and maintenance



WATER

Drinking water treatment and distribution, wastewater collection and treatment,



WATER

Solid waste management, landfills, recycling, composting, and material recovery activities.



TRANSPORTATION

On-road vehicles, transit systems, freight, marine, aviation, Bikes, EVs, Clean Fuels and rail.

1. INCREASE DEPLOYMENT OF DISTRIBUTED RENEWABLES AND CLEAN ENERGY



- 1.1 Increase residential and commercial on-site solar or small wind turbines
- 1.2 Utilize solar industrial process heating
- 1.3 Develop and expand battery energy storage, microgrid technology, and new technology for localized, resilient clean energy flow.
- 1.4 Incentivize clean hydrogen production and use

2. INCREASE ENERGY EFFICIENCY FOR EXISTING COMMERCIAL, RESIDENTIAL, AND INDUSTRIAL BUILDINGS



- 2.1 Increase energy efficiency in buildings
- 2.2 Expand energy efficiency financing and incentive programs
- 2.3 Provide free or low-cost home energy audits for residents
- 2.4 Improve exterior and interior lighting efficiency and scheduling
- 2.5 Adopt the most recent update to the IECC code

3. BUILD CONNECTED COMMUNITIES



- 3.1 Build a fast, reliable transit system and create a connected active transportation network that will be a preferred mode of transportation
- 3.2 Utilize smart city technology and big data solutions to advance mobility as a service
- 3.3 Build new housing units in transit-oriented development locations
- 3.4 Promote mixed-use development to reduce the need for long commutes
- 3.5 Increase ACTIVE transportation

4. ENCOURAGE THE DEPLOYMENT OF HIGHER FUEL EFFICIENCY VEHICLES



4.1 Incentivize Passenger EV Adoption

4.2 Electrify Medium and Heavy-Duty Fleets across the region

4.3 Adopt compressed natural gas and biofuels as cleaner fuel alternatives

4.4 Encourage the use of Sustainable Aviation Fuel (SAF) in regional airports

5. ADOPT SOIL AND LAND MANAGEMENT PRACTICES FOR CARBON SEQUESTRATION



5.1 Plant or replant trees with the intention of increasing urban tree canopy

5.2 Integrate climate mitigation and adaptation into existing land development review and permitting processes to maximize the benefits of natural geographic and watershed features

5.3 Create incentives for resilient and low-impact development

5.4 Plant Gardens & Implement nature-based solutions that increase carbon storage

6. STRENGTHEN WATER INFRASTRUCTURE AND RESILIENT STORMWATER MANAGEMENT



6.1 Integrate better stormwater management and resiliency into development and redevelopment activity

6.2 Implement innovations in water management technology to expand water reuse, optimize the water treatment process, and improve nutrient recovery

6.3 Expand the use of reclaimed water for non-potable use such as irrigation

7. DIVERT ORGANIC WASTE, FOOD WASTE, AND RECYCLABLES FROM LANDFILLS



- 7.1 Divert waste from landfills by expanding composting services
- 7.2 Establish and expand residential and commercial food waste diversion programs
- 7.3 Develop or expand local recycling and reuse through infrastructure investments and equipment purchases.

8. CAPTURE AND REUSE METHANE (CH₄) EMISSIONS



- 8.1 CH₄ capture and utilization, such as anaerobic digestion and/or biogas upgrading
- 8.2 Sustainable biosolids management such as composting, land application, and biochar production
- 8.3 Co-location of water and wastewater with landfills to be used for CH₄ capture and process energy opportunities
- 8.4 Establish waste-to-energy facilities to reduce CH₄ emissions from landfills while producing renewable energy.

9. OTHER COMMUNITY RECOMMENDED MEASURES



9.1 Incorporate sustainability, resilience, and emissions reduction goals within municipal and integrated water and electricity resource plans, strategic visions, and future planning for intergovernmental partners in Northeast Florida

9.2 Promote the development of sustainable supply chains, reducing emissions from production to distribution by working closely with suppliers who adhere to environmentally friendly practices

9.3 Create a corps of community change champions to facilitate conversations, education, and action for sustainability in a direct citizen approach and throughout all neighborhoods

9.4 Develop and implement environmental stewardship education programs in K-12 schools and communities to raise awareness and inspire action

9.5 Launch Community Campaigns to Transition Local Events and Attractions to Zero-Waste and Low-Carbon Models

9.6 Incentivize green and resilient building and development standards

9.7 Prioritize fully remote and hybrid work arrangements. Educate organizations on effective remote work management practices to ensure employee engagement

**Review the
full CCAP**
Inventories, Data & More



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