**2030 Goal: to achieve 30% air pollution emissions reduction from 2019 levels**

**2050 Goal: to achieve 50% air pollution emissions reduction from 2019 levels**

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| Increase Deployment of Distributed Renewables and Clean Energy |
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| Targets* Encourage a transition to renewable energy to account for 20% of residential and commercial electricity demand by 2030 and 45% by 2050.
* Support the deployment of solar process heat systems in industrial facilities with the potential to avoid 12,000 metric tons of CO₂e annually by 2030, and 20,000 tCO₂e annually by 2050.
* Support clean hydrogen pilot production to offset industrial fuel use emissions, beginning with a pilot-scale deployment. This measure aims to offset 1% of annual industrial emissions by 2025, scaling to 5% by 2030 and 25% by 2050.
 | Action 1: Increase residential and commercial on-site solar or small wind turbinesAction 2: Promote clean energy financing programsAction 3: Utilize solar industrial process heatingAction 4: Develop and expand battery energy storage, microgrid technology, and new technology for localized, resilient clean energy flow.Action 5: Incentivize clean hydrogen production and use |

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| Increase energy efficiency for existing commercial, residential, and industrial buildings |
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| * Promote strategies to reduce operational energy in all commercial and municipal buildings (new and existing) by 50% by 2030 compared to 2019 levels, while encouraging all facilities to meet or exceed the latest IECC or ASHRAE 90.1 standards by that time, and by 2050 achieve an 80% reduction in commercial and municipal operational energy use.
* Promote efforts to lower residential energy consumption across the region by 25% by 2030 and 50% by 2050 through targeted energy efficiency improvements.
 | Action 1: Increase energy efficiency of existing city and county buildingsAction 2: Expand energy efficiency financing and incentive programs Action 3: Provide free or low-cost home energy audits for residentsAction 4. Improve exterior and interior lights efficiency and schedulingAction 5. Adopt the most recent update to the IECC code |

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| Build Connected Communities |
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| * Encourage the addition of 5 miles of protected bike lanes per year across the region with a minimum width of 5 feet, resulting in an increase of at least 25 miles regionwide by 2030 and 125 miles by 2050.
* Promote the development of at least 40 miles of new multi-use trails for active transportation by 2030 and 100 miles by 2050.
* Support efforts to increase public transit ridership by 15% above 2019 levels by 2030 and 30% by 2050 through service enhancements and a better-connected network of routes
* Promote expanded transit service, active transportation infrastructure, and compact, mixed-use development to reduce total passenger vehicle miles traveled (VMT) in Northeast Florida by 5% from 2019 levels by 2030 and 25% by 2050.
* Prioritize infill development to encourage at least 50% of new housing units by 2030 to be located within existing urban areas or near transit corridors, increasing to at least 70% by 2050.
 | Action 1: Build a fast, reliable transit system and create a connected active transportation network that will be a preferred mode of transportationAction 2: Utilize smart city technology and big data solutions to advance mobility as a service Action 3: Build new housing units in transit-oriented development locations.Action 4: Promote mixed-use development to reduce the need for long commutes Action 5: Increase ACTIVE transportation |

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| Encourage deployment of higher fuel efficiency vehicles |
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| * Promote the adoption of electric and alternative fuel passenger vehicles, aiming for a 10% increase by 2030 and 60% by 2050, while expanding fueling and charging infrastructure across all sectors, with a prioritized focus on high-emission vehicle categories.
* Encourage the transition of medium- and heavy-duty public fleets to cleaner fuels with the goal of reducing municipal fleet emissions by 10% from 2019 levels by 2030 and 60% by 2050.
* Support the development of low-emission aviation alternatives to reduce aviation-related greenhouse gas emissions by 15% by 2030, and at least 50% by 2050.
 | Action 1: Incentivize Passenger EV AdoptionAction 2: Medium and Heavy Duty Fleet electrification Electrify Medium and Heavy-Duty Fleets across the regionAction 3: Adopt compressed natural gas and biofuels as cleaner fuel alternativesAction 4: Encourage the use of Sustainable Aviation Fuel (SAF) in regional airports |

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| Adopt soil or land management practices to sequester carbon |
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| * Encourage an increase in urban tree canopy coverage by 20% by 2030 and 35% by 2050, prioritizing low-canopy neighborhoods and public rights-of-way.
* Promote the protection of existing natural forest and wetland areas within the urban growth boundary to maintain 90% by 2030, with no net loss through 2050.
* Encourage at least 40% of new development projects by 2030 to meet green site design or low-impact development criteria that preserve vegetation and soil carbon pools, increasing to at least 70% by 2050.
 | Action 1. Plant or replant trees with the intention of increasing urban tree canopy Action 2. Integrate climate mitigation and adaptation into existing land development review and permitting processes to maximize the benefits of natural geographic and watershed features.Action 3. Create incentives for resilient and low-impact developmentAction 4. Implement nature-based solutions that increase carbon storage |

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| Divert organic waste, food waste, and recyclables from landfills. |
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| * Encourage diversion of at least 10% of organic waste from landfills by 2030 and 40% by 2050.
* Increase diversion of recyclable materials to achieve a 30% recycling rate by 2030 and 60% by 2050.
 | Action 1. Divert waste from landfills by expanding composting servicesAction 2. Establish and expand residential and commercial food waste diversion programs*Action* 3: Develop or expand local recycling and reuse through infrastructure investments and equipment purchases. |

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| Capture and reuse methane emissions |
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| * Support the improvements of gas collection systems to capture at least 10% of methane emissions from active landfills by 2030 and 30% by 2050 through improved gas collection systems.
* Install anaerobic digestion facilities to process at least 10% of the region’s organic waste by 2030 and 40% by 2050.
* Encourage the region to upgrade at least 10% of collected biogas into renewable natural gas (RNG) by 2030 for use in local heating, power generation, or transportation and 30% by 2050.
 | Action 1: Methane capture and utilization such as anaerobic digestion and/or biogas upgrading Action 2: Sustainable biosolids management such as composting, land application, and biochar productionAction 3: Co-location of water and wastewater with landfills to be used for methane capture and process energy opportunitiesAction 4: Establish waste to energy facilities to reduce methane emissions from landfills while producing renewable energy. |

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| Strengthen Water Infrastructure and Resilient Stormwater Management |
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| * Promote a reduction in energy consumption in water and wastewater utilities by 15% by 2030 and 30% by 2050 through process optimization and equipment upgrades.
* Increase the volume of treated wastewater that is reused for non-potable applications, with the goal of reaching 35% by 2030 and 50% by 2050
* Encourage all new developments constructed by 2030 to reduce post-development runoff volume by at least 25% compared to pre-development conditions, and all new developments constructed by 2050 to achieve at least a 50% reduction, while meeting or exceeding Florida’s first-inch stormwater retention standard as a baseline requirement.
* Encourage all new residential subdivisions to incorporate dual-plumbing systems by 2030 to enable reclaimed water use for landscape irrigation, to ensure that by 2050 reclaimed water or other alternative non-potable sources are the primary supply for landscape irrigation in all subdivisions.
 | Action 1: Integrate better stormwater management and resiliency into development and redevelopment activityAction 2: Implement innovations in water management technology to expand water reuse, optimize the water treatment process, and improve nutrient recoveryAction 3: Expand the use of reclaimed water for non-potable use such as irrigation |

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| Other recommended actions (Community) |
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| * By 2030, the cities within the Jacksonville MSA will adopt updated municipal water and electricity resource plans that include explicit sustainability and greenhouse gas emissions reduction targets, with at least three measurable performance indicators (e.g., % renewable energy, % water reuse, and total GHG reduction potential) integrated into annual reporting.
* By 2030, a voluntary sustainable supply chain program and a benchmarking/disclosure policy for large commercial, industrial, and multifamily buildings, engaging at least 25% of major suppliers and 30% of local building owners in emissions disclosure and supply chain sustainability commitments.
* By 2030, recruit and train 100 “Community Change Champions” across all neighborhoods and implement climate education programs in 100% of local K–12 schools and at least five community centers, resulting in a minimum of 5,000 residents reached annually through direct engagement.
* By 2030, transition at least 50% of city-sponsored events and attractions to zero-waste and low-carbon models.
* By 2030, partner with at least 50 local employers to implement remote and hybrid work arrangements, providing training on effective remote work management practices, and achieve a 15% reduction in commuter-related greenhouse gas emissions compared to 2019 baseline levels.
 | Action 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. Action 2: Promote the development of sustainable supply chains, reducing emissions from production to distribution by working closely with suppliers who adhere to environmentally friendly practicesAction 3: Create a corps of community change champions to facilitate conversations, education, and action for climate and sustainability in a direct citizen approach and throughout all neighborhoodsAction 4: Develop and implement climate education programs in K-12 schools and communities to raise awareness and inspire actionAction 5: Launch Community Campaigns to Transition Local Events and Attractions to Zero-Waste and Low-Carbon ModelsAction 6: L Incentivize green and resilient building and development standardsAction 7: Incentivize green and resilient building and development standardsAction 8: Prioritize fully remote and hybrid work arrangements. Educate organizations on effective remote work management practices to ensure employee engagement. |