

ENERGY

Develop climate action plan, designed to limit warming to 1.5 degrees Celsius.

Advance energy efficiency and conservation. Reduce GHG emissions by 50% by 2030 and reach net zero carbon emissions by 2050, or sooner.

Advance energy efficiency and conservation through technological solutions, behavioral strategies and policies in order to reduce GHG emissions

Implement mandatory green building ordinance.

Develop incentives for new properties to be solar-ready or include a minimum amount of solar energy production per property.

Set percent renewable energy targets and GHG emissions reduction targets.

audit, benchmark, and/ or retro-commission large, existing government and private buildings and explore building performance standards.

Develop an incentive for increasing the energy efficiency of properties during 30- and/or 40-year building recertifications.

Expand use of renewable energy. Increase accessibility to energy efficiency solutions prioritizing limited-income households and frontline communities. Create new energy efficiency programs for low-to-moderate income (LMI) households that reduce the financial burden.

Increase accessibility and expand the use of distributed (on-site) renewable energy and storage technology through policies, practices and technological development.

Seek alternative funding sources for expanding renewable energy purchasing options

Advocate for state and federal laws and programs that expand solar energy deployment.

Utilize distributed renewable energy for emergency management

Support and advocate for distributed solar + energy storage systems at hurricane shelters, buildings that house frontline populations (e.g. nursing homes), or government operations centers for disaster recovery and emergency management.

Reduce renewable energy and energy efficiency soft costs. Streamline permitting and administrative processes to reduce the soft costs. Reduce or eliminate permitting fees and streamline/ expedite inspections.

WATER

Practice integrated water resources management and planning. Develop a local integrated water management plan, in partnership with Southeast Florida Regional Climate Change Compact and South Florida Water Management District. Address regional items such as: Stormwater use and disposal, Rainfall-derived inflow and infiltration, Traditional and alternative water supplies, Wastewater disposal, Water reuse, Expansion of water conservation measures, Amendments to applicable development codes and regulations.

Ensure all water resource policy, planning and management decisions are consistently aligned with: The latest Southeast Florida Regionally Unified Sea Level Rise Projections; Regional climate scenarios for planning (e.g., longterm patterns of rainfall and evapotranspiration, storm surge, design storm events); and Hydrologic models used in adaptation planning from local to regional scales.

Expand use of green infrastructure and net zero solutions in water management, including nature-based solutions and net zero greenhouse gas emission strategies for water supply, stormwater and wastewater management. Reuse/limit energy use to the amount produced on-site via renewable energy.

Evaluate the potential impacts of changes in groundwater levels on wastewater and stormwater systems.

Assess potential climate impacts on water infrastructure. Develop adaptation strategies for affected systems, including replacement, reinforcement or relocation to ensure the long-term viability of the system.

Consider incremental adaptations to water infrastructure development standards for drainage systems, surface water management systems, and finished floor elevations to reflect future climate conditions.

Integrate combined surface and groundwater impacts into the evaluation of infrastructure for risk of flooding, and the prioritization of adaptation improvements, utilizing a combination of inundation maps, and integrated stormwater and groundwater models.

Ensure that capital planning, design and construction of water infrastructure projects incorporates resilience and water quality considerations.

Identify, incorporate and prioritize preferred climate adaptation improvement projects for water supply, wastewater systems, stormwater management and flood protection as part of capital improvement plans.

Expand surface water storage, and retain land to protect, preserve and enhance regional water storage.

Develop distributed surface water storage to increase the potential for stormwater capture and reuse for water supply, aquifer recharge, flood management and environmental benefits.

Support and encourage private property adaptation, flood awareness and preparedness, to contend with increased flooding and higher groundwater.

City of Boca Raton

Actions

Reduce Electricity Used by the City

Reduce electricity used in the community.

Increase electricity sourced from renewable sources.

Reduce consumption of potable water.

City of Boynton

Community Engagement engage the community in the development of this Climate Action Plan

Cost Savings: Many of the measures in this plan pay for themselves by reducing costs to the City and its residents: e.g. energy efficiency, water efficiency, renewable energy, alternative transportation (bicycling, walking, public transit, ridesharing, and electric vehicles). City government can also enjoy substantial savings through increased efficiencies in buildings, facilities operations, and vehicle fleets.

GOVERNMENT:

Building Efficiency - Retrofit existing government buildings to optimize efficiency, and build new facilities to energy-efficient standards.

Water Infrastructure Efficiency - Manage and upgrade water and wastewater infrastructure to maximize operational efficiency, reduce system water loss, reduce energy use, and conserve water supplies.

Renewable Energy in Government Facilities - Install solar panels on City buildings, utilize solar energy and energy storage technologies for emergency management and disaster recovery, and consider purchasing renewable energy credits for off-site production.

COMMUNITY:

Energy Efficiency & Conservation - Advance energy efficiency and conservation throughout the Boynton Beach community through technological solutions, policies, financial incentives, and educational programs.

Water Efficiency & Conservation - Advance water efficiency and conservation throughout the Boynton Beach community through technological solutions, policies, financial incentives, and educational programs.

Renewable Energy Planning & Promotion - Promote community access to and adoption of renewable energy through education, incentives, permitting processes, zoning codes, partnerships, and advocacy.