

# SECTION 0: General Program Components for establishing baseline and measuring progress

## GOAL GCO 1: Know the science

### OBJECTIVE GCO 1.1: Determine the climate vulnerability of all land and structures within city limits

#### POLICY GCO 1.1.1: Conduct a vulnerability and capacity assessment as described in “LEED for Existing Cities v4.1 – NS-Resilience Planning-Option 1”

#### POLICY GCO 1.1.2: Update vulnerability and capacity assessment every 5 years

### OBJECTIVE GCO 1.2: Determine the quantity of GHG emissions within the City of Delray Beach

#### POLICY GCO 1.2.1: Create a GHG emissions inventory

#### POLICY GCO 1.2.2: Utilize software (ex...ClearPath 2.0) to manage GHG inventory, establish reduction goals, and track progress

## GOAL GCO 2: Interdepartmental collaboration

### OBJECTIVE GCO 2.1: Interdepartmental collaboration

#### POLICY GCO 2.1.1: Establish departmental liaisons (which departments?)

#### POLICY GCO 2.1.2: Establish and maintain an Adaptation Plan

#### POLICY GCO 2.1.3: Update Adaptation Plan every 5 years

#### POLICY GCO 2.1.4: Establish and maintain a Climate Action Plan

#### POLICY GCO 2.1.5: Update Climate Action Plan every 5 years

#### POLICY GCO 2.1.6: Maintain a LEED for Existing Cities certification

#### POLICY GCO 2.1.7: Re-certify for LEED for Existing Cities every 5 years

## GOAL GCO 3: Community engagement and education

### OBJECTIVE GCO 3.1: TBD

# SECTION 1: Green Infrastructure & Natural Environment (GNE)

## GOAL GNE 1: Understand the current state of GNE

### OBJECTIVE GNE 1.1: Determine the size and health and location of the tree canopy in Delray Beach

#### POLICY 1.1.1: Conduct a Tree Canopy Assessment and update the assessment every 5 years to track progress

##### POLICY 1.1.2: Create an Urban Forest Management Plan based on the results of the Tree Canopy Assessment and update the plan every 5 years.

## GOAL GNE 2: Trees

### OBJECTIVE GNE 2.1: Plant Trees

### OBJECTIVE GNE 2.2: Protect Trees

## GOAL GNE 3: Dunes

### OBJECTIVE GNE 3.1: Implement a Dune Management Plan

##### POLICY 3.1.1: TBD

## GOAL GNE 3: Reef

# SECTION 2: Transportation (TRP)

## GOAL TRP 1: Understand current transportation trends and needs

### OBJECTIVE TRP 1.1: Conduct and maintain a “Transportation Performance” assessment

##### POLICY TRP 1.1.1: Conduct and maintain a “Transportation Performance” assessment as described in “LEED for Existing Cities v4.1 – TRp1-Transportation Performance”. In addition to the modal split outlined by LFC , a modal split based on the User-Supplied Transportation data requirements of the “ClearPath Inventory Data Playbook - II–Transportation “ tab Step 3 and Step 4 shall be required.

##### POLICY TRP 1.1.2: The Transportation Performance assessment shall be updated every 5 years

## GOAL TRP 2: Reduce GHG emissions from city fleet by 50% by 2035 and 100% by 2050

### OBJECTIVE TRP 2.1: Create a Fleet Transition plan

##### POLICY TRP 2.1.1: Conduct an Alternative Fuel Vehicle (AFV) and Electric Vehicle (EV) Feasibility Study for the entirety of the city fleet and update this study no less than every 3 years

##### POLICY TRP 2.1.2: A minimum of 5% (as a % of the whole) reduction in city fleet GHG emissions annually must be achieved. If this is not possible in a fiscal year an explanation of why it could not be achieved shall be presented to City Manager

## GOAL TRP 3: Reduce GHG emissions from the greater Transportation System in Delray Beach by 50% by 2035 and 100% by 2050

### OBJECTIVE TRP 3.1: Reduce vehicle miles traveled and emissions associated with single-occupant vehicles

##### POLICY TRP 3.1.1: Provide incentives to workers to use multimodal options

### OBJECTIVE TRP 3.2: Increase equitable access to clean transportation

#### POLICY TRP 3.2.1: City wide EV chargers feasibility study

#### POLICY TRP 3.2.2: # of EV ready parking spaces for all new construction

#### POLICY TRP 3.2.3: Alternative fuel stations?

### OBJECTIVE TRP 3.3: Increase safe and equitable access to regional multimodal transportation

#### POLICY TRP 3.3.1: To and from CBD

#### POLICY TRP 3.3.2: Bike and Pedestrian Master Plan

#### POLICY TRP 3.3.3: Regional Transportation Master Plan

#### POLICY TRP 3.3.4: TRI-Rail Coastal Station

## # SECTION 3: Water (WTR)

## GOAL WTR 1: Reduce GHG emissions related to water use from all city owned assets by 50% by 2035 and 100% by 2050

### OBJECTIVE WTR 1.1: Track water use and GHG related emissions for all city owned assets

#### POLICY WTR 1.1.1: Utilize an energy management software (ex...EPA ENERGY STAR Portfolio Manager) to track and monitor water use and related GHG emissions for all city owned assets

#### POLICY WTR 1.1.2: Coordinate with water utility provider (CoDB) to obtain water use data for all metered city assets and input into energy management software, in no more than 12-month intervals

### OBJECTIVE WTR 1.2: Utilize capital improvements to improve city building water performance

#### POLICY WTR 1.2.1: Conduct an Investment Grade Audit (IGA), also called an ASHRAE Level 3 Building Audit, on all city buildings expected to be in use for the next 10+ years

#### POLICY WTR 1.2.2: Utilize building audit reports to prioritize building capital improvements to maximize water related GHG reductions over the shortest period of time

#### POLICE WTR 1.2.3: Where appropriate, use Energy Savings Performance Contracting (ESPC) as a primary funding and implementation mechanism for improving city building water performance

#### POLICY WTR 1.2.4: Where appropriate utilize grants, earmarks, incentives, and vouchers to fund building energy use related capital improvements

## GOAL WTR 2: Reduce GHG emissions related to water use city wide by 50% by 2035 and 100% by 2050

### OBJECTIVE WTR 2.1: Track water use and related GHG emissions city wide

#### POLICY WTR 2.1.1: Establish a city-wide benchmarking ordinance that includes all buildings with a water meter within City of Delray Beach

#### POLICY WTR 2.1.2: Utilize an energy management software (ex...EPA ENERGY STAR Portfolio Manager) for city-wide benchmarking ordinance reporting

#### POLICY WTR 2.1.3: Establish a requirement for no less than annual water use reporting from all building owners

### OBJECTIVE WTR 2.2: Reduce total domestic water consumption city-wide

#### POLICY WTR 2.2.1: Calculate city wide "Water Performance" in terms of Gallons/Resident/Day

#### POLICY WTR 2.2.2: Establish and maintain a domestic water fixture incentive/rebate program. The program shall require EPA WaterSense certified fixtures and include toilets, showerheads, kitchen/bath faucets at a minimum.

#### POLICY WTR 2.2.3: Establish and maintain a domestic water heater incentive/rebate program.

#### POLICY WTR 2.2.4: Establish a process for working with "High-usage" customers to identifying ways to make significant reductions in their water demand

### OBJECTIVE WTR 2.3: Expand reclaimed water use in Delray Beach

## GOAL WTR 3: Improve resilience of city infrastructure

### OBJECTIVE WTR 3.1: Implement living shorelines in vulnerable

areas

#### POLICY WTR 3.1.1: Develop concept for mangrove parcel adaptation inclusive of erosion control and sediment replenishment.

### OBJECTIVE WTR 3.2: Set new design standards for seawall heights for private landowners

#### POLICY WTR: 3.2.1: Update permitting guidance for applicants and reviewers to explain new design standards adopted for seawalls

#### POLICY WTR: 3.2.2: Revise seawall and minimum shoreline elevation policy once sea level rise exceeds initial planning threshold (e.g. 2 feet above mean sea level)

### OBJECTIVE WTR 3.3: Ensure the water and wastewater treatment plants are Cat5 ready

### OBJECTIVE WTR 3.4: Provide 72-hour emergency power generation for government infrastructure

#### # SECTION 4: Energy & Built Environment (EBE)

## GOAL EBE 1: Reduce energy use related GHG emissions from all city owned assets by 50% by 2035 and 100% by 2050

### OBJECTIVE EBE 1.1: Track energy use and related GHG emissions for all city owned assets

#### POLICY EBE 1.1.1: Utilize an energy management software (ex...EPA ENERGY STAR Portfolio Manager) to track and monitor energy use and related GHG emissions for all city owned assets

#### POLICY EBE 1.1.2: Coordinate with electric utility provider (FP&L) to obtain energy use data for all metered city assets and input into energy management software in no more than 12-month intervals

### OBJECTIVE EBE 1.2: Utilize capital improvements to improve city building energy performance

#### POLICY EBE 1.2.1: Conduct an Investment Grade Audit (IGA), also called an ASHRAE Level 3 Building Audit, on all city buildings expected to be in use for the next 10+ years

#### POLICY EBE 1.2.2: Utilize building audit reports to prioritize building capital improvements to maximize energy related GHG reductions over the shortest period of time

#### POLICY EBE 1.2.3: Where appropriate, use Energy Savings Performance Contracting (ESPC) as a primary funding and implementation mechanism for improving city building energy performance

#### POLICY EBE 1.2.4: Where appropriate utilize grants, earmarks, incentives, and vouchers to fund building energy use related capital improvements

#### POLICY EBE 1.2.5: All new construction and major renovations of city facilities shall follow the “Integrated Design Process” as described in “LEED v5 Building Design & Construction – Ipc1-Integrated Design Process”

### OBJECTIVE EBE 1.3: Ensure building operations and maintenance staff training programs include information on all installed high-performance building features and operations

#### POLICY EBE 1.3.1: TBD

## GOAL EBE 2: Reduce energy use related GHG emissions from existing buildings city wide by 50% by 2035 and 100% by 2050

### OBJECTIVE EBE 2.1: Track building energy use and related GHG emissions city wide

#### POLICY EBE 2.1.1: Establish a city-wide benchmarking ordinance that includes all buildings with an electric meter within City of Delray Beach

#### POLICY EBE 2.1.2: Utilize an energy management software (ex...EPA ENERGY STAR Portfolio Manager) for city-wide benchmarking ordinance reporting

#### POLICY EBE 2.1.3: Establish a requirement for no less than annual energy use reporting from all building owners

## GOAL EBE 3: Reduce energy related GHG emissions from new construction by 50% by 2035 and 100% by 2050

### OBJECTIVE EBE 3.1: Maintain a Green Building Ordinance focused on maximizing the reduction of GHG emissions during construction and future building operations

#### POLICY EBE 3.1.1: All city owned new construction shall meet or exceed the currently adopted Green Building Ordinance regardless of building size

#### POLICY EBE 3.1.2: Establish an “under air” area threshold for the Green Building Ordinance targeted at including the at least 80% of all new construction within the City of Delray Beach

#### POLICY EBE 3.1.3: The Green Building Ordinance shall be evaluated for effectiveness no less than once every 3 years from the date of the previous evaluation/adoption

## GOAL EBE 4: Expand the use of renewable energy and storage within City of Delray Beach

### OBJECTIVE EBE 4.1: Expand the use of renewable energy and storage at city facilities

#### POLICY EBE 4.1.1: Conduct a solar photovoltaic (PV) and storage feasibility study for all new and existing city owned facilities. The study should at a minimum include the GHG reduction, economic, and resilience impacts of solar PV and storage

### OBJECTIVE EBE 4.2: Expand the use of renewable energy and storage at residences and business within City of Delray Beach

#### POLICY EBE 4.2.1: Conduct a GHG emissions impact analysis for incorporating (investing in) utility level solar photovoltaics and storage into the City of Delray Beach electric grid

## GOAL EBE 5: Expand equitable access to wealth building and economic mobility opportunities related to reduced GHG emissions and improved resilience in the City of Delray Beach

### OBJECTIVE EBE 5.1: Provide access to programs that reduce energy burden and improve resilience of homes in the City of Delray Beach

#### POLICY EBE 5.1.1: Work with the Community Redevelopment Agency (CRA) to incorporate features into their “Repair and Restore” program that will reduce the energy burden and improve the resilience and environmental quality of homes

#### POLICY EBE 5.1.2: Work with community organizations (ex...Community Development Corporation (CDC)) to implement “Repair and Restore” programs

#### POLICY EBE 5.1.3: Improve access to programs that provide affordability assistance for residential solar photovoltaic (PV) and storage installations

### OBJECTIVE EBE 5.2: Provide access to workforce development programs for construction related jobs tied to reducing energy burden and improving resilience

#### POLICY EBE 5.2.1: Work with Palm Beach County Schools to incorporate skills related to reducing energy burden and improving resilience into their existing workforce development curriculum

#### POLICY EBE 5.2.2: Work with Delray Full Service Adult Education Center to develop curriculum that incorporates construction skills related to reducing energy burden and improving resilience

### OBJECTIVE EBE 5.3: Establish and maintain lines of communication with each of the communities within Delray Beach to better understand climate impacts and needs, and provide information about city programs and initiatives aimed at reducing energy burden and improving resilience

#### POLICY EBE 5.3.1: Establish community liaisons that will provide a mechanism for two-way communication between residents and the city regarding climate impacts and needs of the residents and city departments

#### POLICY EBE 5.3.2: Establish a pathway for residents to easily provide feedback and information about climate impacts and needs

# SECTION 5: Waste (WST)

## GOAL WST 1: Reduce GHG emissions related to waste from all city operations by 50% by 2035 and 100% by 2050.

### OBJECTIVE WST 1.1: Track waste and GHG related emissions for all city owned assets

#### POLICY WST 1.1.1: Utilize an energy management software (ex...EPA ENERGY STAR Portfolio Manager) to track and monitor waste and related GHG emissions for all city owned assets

#### POLICY WST 1.1.2: Coordinate with waste service provider (SWA and WM) to obtain waste data for all city assets and input into energy management software, in no more than 12-month intervals

#### POLICY WST 1.1.3: Develop and maintain an “Environmentally Preferable Purchasing Plan (EP3)” to guide all city purchases. Special attention should be paid to “single use” and “consumable” products

## GOAL WST 2: Reduce GHG emissions related to waste city wide by 50% by 2035 and 100% by 2050

### OBJECTIVE WST 2.1: Track waste and related GHG emissions city wide

#### POLICY WST 2.1.1: Establish a city-wide benchmarking ordinance that includes all buildings with waste services within City of Delray Beach

#### POLICY WST 2.1.2: Utilize an energy management software (ex...EPA ENERGY STAR Portfolio Manager) for city-wide benchmarking ordinance reporting

#### POLICY WST 2.1.3: Establish a requirement for no less than annual waste reporting from all building owners

### OBJECTIVE WST 2.2: Reduce waste from all special events

#### POLICY WST 2.2.1: Require all special events to be “Recycle Right” events

#### POLICY WST 2.2.2: Develop and maintain an “Environmentally Preferable Purchasing Plan (EP3)” that establishes standards for “single use” and “consumable” products at all special events

### OBJECTIVE WST 2.3: Expand participation in recycling in multi-family and commercial buildings

#### POLICY WST 2.3.1: TBD

## GOAL WST 3: Raise “Waste” awareness

### OBJECTIVE WST 3.1: TBD