CITY OF FORT LAUDERDALE

SUSTAINABILITY ACTION PLAN

PROGRESS REPORT 2015
MAKING WAVES

GREENING OUR ROUTINE
CITY OF FORT LAUDERDALE

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Message from Lee R. Feldman, City Manager

Honorable Mayor and City Commissioners:

It is my pleasure to present the 2015 progress report on the City-wide Sustainability Action Plan (SAP). Since the plan's adoption in 2010, the SAP has served as an essential tool in our efforts to enhance resiliency and build community. As the vehicle that drives our sustainability initiatives, the SAP outlines our shared priorities, identifies methods to measure our progress toward achieving our goals, and provides a framework of accountability to ensure our strategies are efficient and effective.

There have been many significant accomplishments since the last SAP update in 2011. We established the Sustainability Division within the Public Works Department to develop adaptation and resiliency initiatives, and to work with City departments and neighbors to integrate sustainable practices into everyday activities. Fort Lauderdale also adopted a community vision plan *Fast Forward Fort Lauderdale: Our City, Our Vision 2035* and a five-year strategic plan *Press Play Fort Lauderdale: Our City, Our Strategic Plan 2018*, both of which underscore the need to adapt to the effects of climate change to protect our city's long-term prosperity. By implementing the key community indicators and tracking the performance measures in these plans, we will ensure that community priorities are aligned with our resources and operations.

Since the SAP was adopted, Fort Lauderdale has taken a proactive leadership role to address climate change. The City has emerged as a leading participant in the Southeast Florida Regional Climate Change Compact, the largest collaborative effort in the United States to respond to the impacts of climate change. The Compact developed the Southeast Florida Regional Climate Action Plan, which summarizes recommendations to reduce greenhouse gas emissions and adapt to the impacts of climate change to protect the region's quality of life and economy, guide future infrastructure investments, and foster resilient communities. Fort Lauderdale was the first city to join the Southeast Florida Regional Climate Change Compact Steering Committee and the first city in the region to support the Mayor's Climate Action Pledge.

Additional SAP achievements can be found on the pages that follow. I would like to thank staff for their commitment to incorporating resiliency into building community as we continue to focus our efforts through a sustainability prism and integrate adaptation practices throughout our entire organization.

I thank the Mayor and City Commission, our neighbors, and our community builders for their continued support of our collective efforts to build a more resilient city. By executing initiatives that enable us to better adapt to changing climate conditions, we are protecting, preserving, and enhancing our region's economy and quality of life. I look forward to further progress in the coming year as we work with our neighbors to build a strong, livable and sustainable community.

Sincerely,

Lee R. Feldman, ICMA-CM
City Manager

Message from Alena Alberani, Sustainability Advisory Board Chair

Honorable Mayor and City Commissioners:

Today is Earth Day, April 22, 2015. It is appropriate to reflect upon the relationship we have with our planet. Do we, as a municipality recognize and value the ecosystem services provided by nature? Do we realize that our physical, economic and social wellbeing intrinsically depend upon the health of our environmental systems? Are we creating sustainable, holistic communities that work within the various systems, to protect natural diversity and increase resiliency now and for future generations?

As Chair of the Sustainability Advisory Board (SAB), my answer to these questions is, "Yes!" It is an honor to serve with the dedicated members of this board. Together, we actively engage with the City of Fort Lauderdale's staff to follow their sustainability initiatives, which have increased dramatically over the past few years.

In 2010 and 2011, the SAB was a key partner in the development of the City's Sustainability Action Plan (SAP), which laid the cornerstone of much of the City's efforts to address the issues of climate change and the impacts of sea level rise. With the SAP as its framework, the City embarked on the efforts documented in the following report. Thanks to the adoption of the SAP, the City has advanced in the direction toward a more sustainable and resilient place to live, work, play and retire. This is reflected by 71% of SAP action items that are now either complete or in progress.

I would like to thank all the SAB Board members, City staff and residents who have contributed to these efforts over the years. Special recognition goes to those individuals who have nurtured this movement beyond our City limits to collaborate regionally and internationally toward shared visions and goals of adaptation to our changing environment.

Today, we have gone beyond the original vision of the SAP. Sustainability is now embedded in conversations at all levels of the City, and as the chair of the SAB, I am proud to be a participant in the ongoing dialog of this iterative process, and raising the bar. There is still so much more we can do. The Sustainability Advisory Board is committed to continuing the momentum of the Sustainability Action Plan, and to working collaboratively to increase the resilience and sustainability of the City of Fort Lauderdale today and for future generations.

Sincerely,

Alena Alberani, LEED AP ND
Sustainability Advisory Board Chair

Sustainability Advisory Board Members 2015

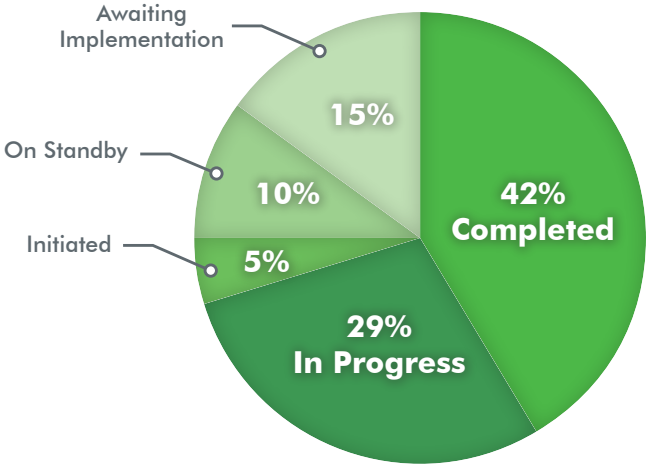
Alena Alberani, Chair
Jason Liechty, Vice Chair
Daniel Ayers
Lawrence Clark
Lance Cutrer
Jeffrey Huber
James Moyer
Chad Scott
Mate Thitisawat
Enrique Vadiveloo
Cheryl Whitfield

Executive Summary

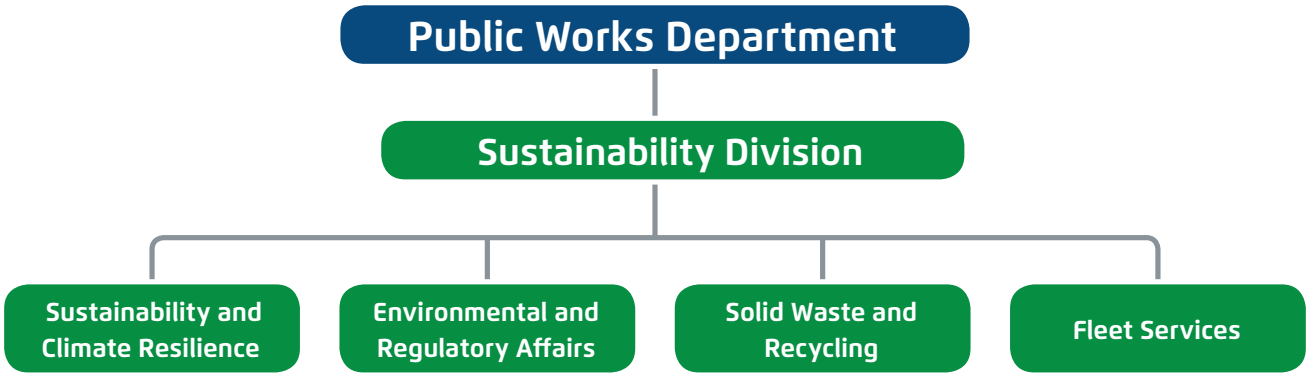
The City of Fort Lauderdale, Florida is renowned as a paradise with its subtropical climate and beaches. With more than 300 miles of waterfront - from its beaches, rivers, and canals - this draws people to live, work, and play in our City. Our proximity to the water heightens our sensitivity to the environment around us and our vulnerability to the challenges of climate change and sea level rise. In this context, the City strives to be a sustainable and climate-resilient community. In 2009, our City Commission created the Citizens' Sustainability "Green" Committee (later becoming the Sustainability Advisory Board). Utilizing funding from the Department of Energy (DOE) Energy Efficiency and Conservation Block Grant (EECBG), the City of Fort Lauderdale completed its first greenhouse gas (GHG) inventory and Sustainability Action Plan (SAP) in 2010 which addressed greenhouse gas GHG emissions, energy efficiency and other sustainability issues. With the same EECBG funding, the GHG inventory and current SAP were updated in 2011 to include an energy reduction strategy. The 101 action items within the SAP 2011 provided the foundation for a long-term, comprehensive strategy that helped our City to become more sustainable by preparing itself to thrive in a low carbon economy.

Notable SAP Accomplishments and Next Steps:

This report documents our substantial progress on implementing those actions items. As of the end of Fiscal Year 2014 (September 30, 2014), the City has completed 42% of the 101 SAP actions: 29% are in progress; 5% are initiated; 10% are on standby; and 15% are awaiting implementation.



Executive Summary



Since 2011, the City of Fort Lauderdale has made a concerted effort to actively integrate sustainability into City operations and services. To meet the SAP Leadership Goals, the Sustainability Division has been created and funded in the Public Works Department to provide leadership and guidance on sustainable practice and climate resilience. Four unique programs that are grouped under the Sustainability Division include: Sustainability and Climate Resilience, Environmental and Regulatory Affairs, Solid Waste and Recycling, and Fleet Services. The City has been building capacity among its staff in all departments by securing specialized training on how to integrate climate change into services and planning in order to reduce risk to rising sea levels and other climate change effects. To prioritize climate adaptation, the City recently adopted an Adaptation Action Areas (AAAs) goal, objective, and policy into the Comprehensive Plan, and it is currently developing a designation program.

The City is working collaboratively with all levels of government and engaging our residential, academic, and business community. Strategic partnerships expand the City's capacity to address climate adaptation, share sustainable best practices, and elevate local vulnerability issues.

The City has adapted many of its practices to attain the SAP Air Quality and Energy Goals and reduce drivers of climate change such as greenhouse gas (GHG) emissions. Based on historical calculations for City government operations, over 99% of GHG emissions are the result of electricity consumption (81%) and fuel use of the City's vehicle fleet (18%). **Since 2010, government operations have seen a reduction of 2,563 MT CO_2e (3.6% of 2010 levels) based only on decreases in these two categories. These reductions are expected to accelerate** as the City increases the fuel efficiency of its fleet, launches an energy retrofit program for its own facilities, and continues to explore renewable energy options such as the wind turbines installed at Mills Pond Park and solar lighting fixtures integrated into parking lots and pedestrian crossing signals.

Substantial progress has also been made to address the SAP Water Goals. Cooperative partnerships and education have been important in reducing water demand. Since 2012, **potable water demand per capita has decreased by almost 7% from 190 gallons per capita per day (GPCD) to 177 GPCD in 2014.** The City's initiatives to reduce water consumption include escalated rates for high volume water users, participation in the NatureScape mobile irrigation service and Conservation Pays programs, the recently adopted Florida-friendly Landscaping™ ordinance, and coordination with large uses on the Lower East Coast Water Supply Plan.

Within the Built and Natural Environment Goal of the SAP, the City has addressed action items related to planning and policies. The City is improving transit-oriented development with the adoption of the Downtown Master Plan Update in 2014. An urban farms and community gardens ordinance was adopted in 2012. The City is striving to expand greenways and biking networks through the multimodal transportation program. To enhance mobility and safety of pedestrians and cyclists, **more than 5,000 linear feet of bike lanes, greenways, shared use paths, and sidewalks were installed**. Continued encouragement of development with a focus on green building has resulted, for example, in 550 LEED® certified homes in Northwest Gardens and an increasing tree canopy, currently at over 23% total coverage City-wide. The City is actively incorporating climate adaptation into projects including the reconstruction and redesign of A1A following the November 2012 collapse of one lane of the roadway due to storm erosion.

The SAP Transportation Goal focuses on creating a fuel-efficient fleet and improved transit. **Total vehicle fleet fuel consumption has decreased 4.5% from 1,414,453 gallons of combined diesel and gasoline in 2010 to 1,351,495 combined gallons in 2014**. To meet fuel reduction goals, the City has made changes to its vehicle replacement criteria, improved its data collection, and explored viable alternative fuel types. To reduce congestion, the City continues to work with a number of partners on major transit initiatives, including the All Aboard Florida passenger rail project, the Wave Streetcar project, the Central Broward East-West transit project, and the Broward Boulevard Gateway project; all of which are in various stages of implementation.

At Mills Pond Park, renewable energy from wind turbines helps to fuel electric vehicle charging stations.

Executive Summary

The City implemented a number of key programs designed to meet the SAP Waste Goals to increase waste diversion and recycling. Deployment of blue recycling carts to single-family households was the first initiative, resulting in 26,141 tons of recyclables being diverted from the waste stream since 2012 with an annual increase of 22%. An initiative launched in 2013 to increase recycling in multifamily residences is a critical component of meeting 2020 recycling targets. The City continues to look for opportunities to expand waste diversion through the collection of additional items such as tires and offering services such as paper shredding at Household Hazardous Waste Collection events.

The Structural Innovation Division was created under the City Manager's Office and is dedicated to tracking City-wide performance in line with the vision plan and strategic plan. The work of the office supports the Progress Tracking Goal of the SAP. In addition, one of the key action items under this goal is being met through a formal Environmental and Sustainability Management System program (ESMS). ESMS is being implemented at two locations thus far with processes and procedures to reduce the environmental impact of its activities, projects and services, as well as operate with greater efficiency and control.

Looking forward, in 2015 the City will develop an update to the SAP, aligning it with our vision plan, *Fast Forward Fort Lauderdale: Our City, Our Vision 2035* and our strategic plan, *Press Play Fort Lauderdale: Our City, Our Strategic Plan 2018*. This effort will incorporate the guidance as provided by the Southeast Florida Regional Climate Change Compact by also incorporating the recommendations described in the Compact's Regional Climate Action Plan (RCAP).

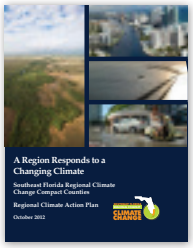
FAST FORWARD FORT LAUDERDALE
Our City, Our Vision 2035

Fast Forward Fort Lauderdale: Our City, Our Vision 2035
www.fortlauderdale.gov/vision

PRESS PLAY FORT LAUDERDALE
Our City, Our Strategic Plan 2018

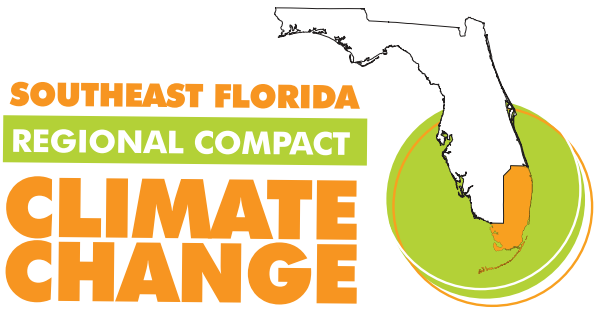
Press Play Fort Lauderdale: Our City, Our Strategic Plan 2018
www.fortlauderdale.gov/pressplay

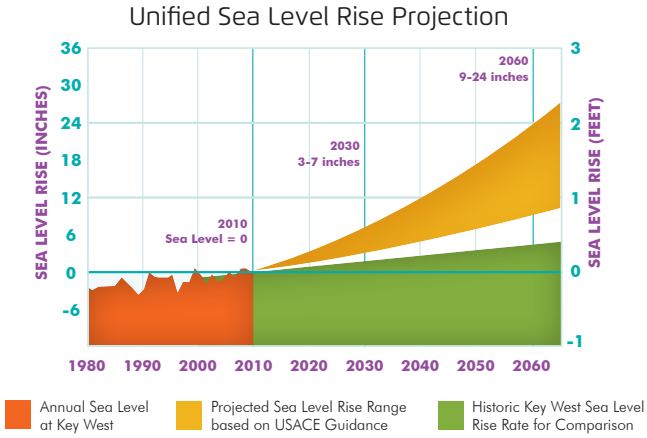
City of Fort Lauderdale Sustainability Action Plan Update 2011
gyr.fortlauderdale.gov/SAP



Southeast Florida Regional Climate Change Compact's Regional Climate Action Plan
www.southeastfloridaclimatecompact.org

Introduction:
We Are Making Waves in Fort Lauderdale





Southeast Florida Regional Climate Change Compact

The City of Fort Lauderdale, Florida is renowned as a paradise with its subtropical climate and beaches. Endearingly nicknamed "The Venice of America," the City embodies the essence of living, working and playing in a coastal community. We are surrounded by natural wonders: the Atlantic Ocean, seven miles of beach, meandering rivers, and canals, comprising more than 300 miles of shoreline combined, and freshwater lakes. Water is a critical part of our past and our future. Our proximity to the water heightens our sensitivity to the environment around us and our vulnerability to the challenges of climate change. In this context, the City strives to be climate-resilient community; we are proactively "making waves" today to create what we envision ourselves to become tomorrow.

The City is a coastal community, recently celebrating its 100-year anniversary in 2011. The triple bottom line of sustainability (environment, equity, and economy)resonates when considering the past and future of Fort Lauderdale. Locally, we have experienced noticeable changes in weather, recent increases in coastal flooding, intensified development, and increasing business opportunities and transportation challenges. In order to look forward to celebrating our 200-year anniversary, the City Commission recognized the need to elevate our thinking about our use of resources, our operational practices, and our impact on climate change.

In response, the City's first Sustainability Action Plan (SAP) was approved in 2010 and updated in 2011. The current SAP 2011 was developed to address sustainable practices within City operations and in the community. Including 101 action items that provide the foundation for a long-term, comprehensive strategy, the SAP helps our City to become more sustainable by preparing itself to thrive in a low-carbon economy. This report highlights the City's milestones in support of reaching its goals. While the SAP 2011 was a good starting point, we have since addressed its action items and many other areas to make our City more sustainable. Our efforts are ongoing and we have embedded sustainability into our everyday operations, which in essence has become what we describe as the "new normal."

The City's vision *Fast Forward Fort Lauderdale: Our City Our Vision 2035*, provides a roadmap for the community's future as seen by our residents and business owners, to whom we refer as our neighbors. Through *Press Play Fort Lauderdale: Our City, Our Strategic Plan 2018*, key initiatives are highlighted to get us there. The SAP started the City on the right path and, moving forward, the SAP will be realigned with the Vision and Strategic Plan to marshal our efforts to achieve sustainability in the context of climate change and the community's view of our future.

LEADERSHIP

Mayor John P. "Jack" Seiler at 5th Annual Southeast Florida Regional Climate Leadership Summit (see Major Milestones - Action 4.1.2)

LEADERSHIP GOALS

GOAL 1 Lead by example

GOAL 2 Implement and enforce sustainability policies

GOAL 3 Stimulate green local market

GOAL 4 Prepare for climate change impacts

In 2012, as part of the City-wide reorganization effort, the City created the Office of Sustainability within the Public Works Department with a limited staff and a mission to implement the Sustainability Action Plan. Today, the Sustainability Division houses 25 staff in the following programs: Fleet Services, Solid Waste and Recycling, Environmental and Regulatory Affairs, and Sustainability and Climate Resilience. This diverse staff leads sustainability efforts by example through its day-to-day operations and functions as internal business consultants to integrate sustainable practices and climate resiliency into all City projects and initiatives.

In fiscal year 2014, the Sustainability Division's total budget was over $31M with approximately $4.3M in grant funds for recycling, development of adaptation policies and planning for stormwater preserves. In addition, funding is being allocated in all departments to incorporate sustainability throughout City operations. Moving forward, the Sustainability Division will continue to promote a cultural shift toward sustainable decision-making, including green procurement practices. In fiscal year 2015, the City has already advanced Adaptation Action Areas policies into the Comprehensive Plan to actively promote climate-resilience policies. Other projects include development of a climate and sustainability training course for all employees, sustainability training as part of new employee orientation, the establishment of the Environmental and Sustainability Management System (ESMS) program targeting two facilities for certification for meeting the international ESMS standard, drafting of a sustainable design and construction manual for City infrastructure, incorporation of climate policies throughout the Comprehensive Plan and the launch of the Sustainability web portal which documents sustainable best practices.

Building upon strategic partnerships, the City is working collaboratively with all levels of government. These include working together with the National Oceanographic and Atmospheric Administration (NOAA) on climate education and with Broward College on tree giveaways. Through relationships with our Council of Fort Lauderdale Civic Associations and homeowners, the City partnered with the Riviera Isles Homeowners Association on the installation of tidal valves. City staff regularly participates in and hosts the Broward County Sustainability Stewards. Through the Conservation Pays and NatureScape Irrigation Programs, the City partners with Broward County and other area utilities to reduce water use in homes and optimize irrigation practices with large users. The City is elevating issues and reaching new heights collaborating regionally with the Southeast Florida Regional Climate Change Compact and various agencies at the state, national and international levels.

The City is also engaged in and pursuing partnerships to support a green local economy and community development. Efforts have included support of green training of the local workforce. Developers are encouraged to hire South Florida architects and use local workers. The City provides economic development incentives in select Community Redevelopment Areas for job creation, brownfield development, and LEED® certification promoting financial incentive programs for sustainable projects.

Finally, we are planning for climate adaptation and

mitigation. The City's vision *Fast Forward Fort Lauderdale: Our City, Our Vision 2035* and our five year strategic plan *Press Play Fort Lauderdale: Our City, Our Strategic Plan 2018* incorporate many of the sustainability goals for fuel, greenhouse gas and energy reduction and provide a system for tracking sustainability performance measures. In FY2015, we expect to develop a dedicated Sustainability Scorecard to track our progress.

MAJOR MILESTONES

Action 1.1.1: Assign City staff to implement sustainability initiatives and **Action 1.1.2: Set aside annual budget for sustainability projects and staff time.** Established the Sustainability Division in the Public Works Department (2012) and provided continuing budget support for implementing sustainability initiatives.

Action 1.1.4: Create strategic partnerships with local educational institutions and businesses; large energy and water users; regional organizations. Participated in international technical exchanges on climate issues through the International City/County Management Association (ICMA) including Durban, South Africa, the Association of Southeast Asian Nations (ASEAN) Climate Leadership Academy in Jakarta, Indonesia; Legazpi, Philippines. Hosted Gold Coast, Australia and continuing to work with the Southeast Florida Regional Climate Change Compact.

Action 2.1.1: Create the City's sustainability mission and a Sustainability Element into the Comprehensive Plan. Adopted Adaptation Action Areas policies into the Comprehensive Plan (2014).

Action 2.1.4: Consider implementation of standardized energy management such as ISO 50001. Established the Environmental and Sustainability Management System (ESMS) program targeting two facilities for certification for meeting the international ISO 14001 standard.

Action 2.2.1: Develop and maintain sustainability website. Developed a comprehensive sustainability website to inform the community about ongoing sustainability programs, projects and initiatives (launched in April 2015).

Action 4.1.1: Include adaptation/mitigation strategies into the City's plans. Adopted in 2013 *Fast Forward Fort Lauderdale: Our City, Our Vision 2035* and *Press Play Fort Lauderdale: Our City, Our Strategic Plan 2018*.

Action 4.1.2: Enhance communication about climate change adaptation in coordination with other agencies and municipalities. Welcomed the **5th Annual Southeast Florida Regional Climate Leadership Summit** November 7-8, 2013 as its Gold Sponsor, engaging counties, municipalities, businesses, state and federal agencies, non-profit groups, academic institutions, residents and attendees from around the world. Hosted two Urban Land Institute Technical Assistance Panels exploring climate adaptation and activation on Riverwalk and the Uptown area as a sea level rise resilient growth area.

Assistant City Manager, Susanne Torriente, presents to the Council of Fort Lauderdale Civic Associations

Action 4.1.3: Partner with local, regional and state agencies or educational institutions to increase preparedness and mitigate risk. Partnered with the Florida Department of Economic Development, South Florida Regional Planning Council, and Broward County to develop policy language for Adaptation Action Areas.

NEXT STEPS

Provide leadership in the development and implementation of an SAP update aligned with *Press Play Fort Lauderdale: Our City, Our Strategic Plan 2018*.

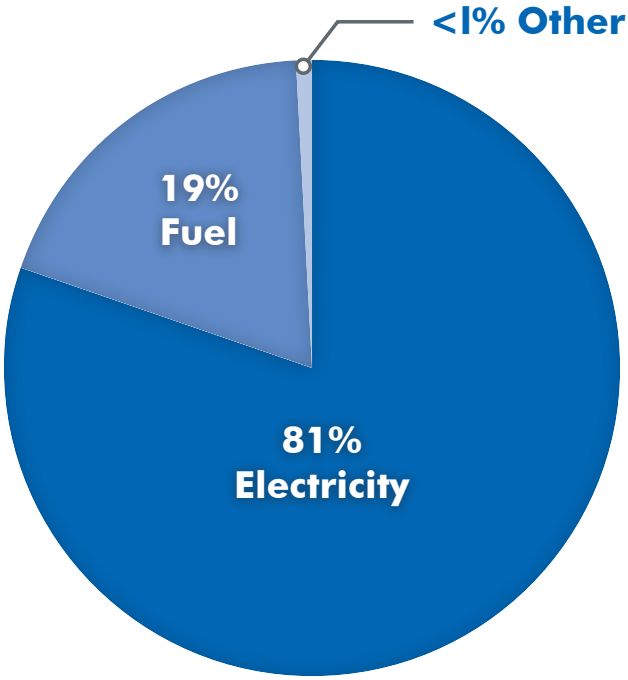
AIR QUALITY

AIR QUALITY GOALS

GOAL 1: Reduce GHG emissions by 20% below 2010 levels by 2020

GOAL 2: Improve air quality in other sectors

Greenhouse Gas Emissions from Government Operations in 2011 by Source[1]



The City of Fort Lauderdale is actively working towards reducing its greenhouse gas (GHG) emissions. This commitment has been manifested in several ways. The City has embedded awareness of GHG emissions and electricity consumption into its decision-making processes. All projects considered for future funding in the Community Investment Plan are now evaluated on the basis of environmental benefits. Future design and construction guidelines and green purchasing will further this commitment to incorporating assessment of GHG emissions in City operations.

In addition, the City has focused its efforts on reducing GHG emissions through addressing its own two primary sources of these emissions: electricity usage and fossil fuel consumption for its fleet vehicles. Based on historical calculations for City government operations, over 99% of GHG emissions are the result of electricity consumption (81%) and fuel use of the City's vehicle fleet (18%). Since 2010, government operations has seen a reduction of 2,563 Metric tons of carbon dioxide equivalents ($MTCO_2e$) (3.6% of 2010 levels) based only on decreases in these two categories. Reductions in GHG emissions from government operations are expected to accelerate as in 2015 the City begins a comprehensive energy retrofit program.

Community-wide, the City of Fort Lauderdale has also observed reductions in GHG emissions in the electricity sector. In the general community, GHG emissions from electricity consumption and vehicle usage combine to represent over 96% of GHG emissions. Since 2010, the community has seen a reduction of 15,225 $MTCO_2e$ (0.95% of 2010 levels) in the electricity sector.[2]

[1] Data for Government operations from Fort Lauderdale, Florida 2011 Greenhouse Gas Inventory Update submitted by Carbon Solutions America.

[2] Greenhouse gas emissions reductions were determined by tracking electricity usage in City government operations, vehicle fuel usage in City government operations, and electricity usage City-wide. Electricity usage data was provided by the City's electrical utility, Florida Power and Light. Vehicle fuel consumption was tracked by City staff. Electricity and vehicle fuel usage were converted to greenhouse gas emissions based on the US EPA's eGrid emissions factors.

Fuel efficient hybrid cars are replacing conventional vehicles in the City's fleet.

Changes in Greenhouse gas Emissions Relative to 2010 Baseline Year

Sector	Sources Included	Units	2011	2012	2013	2014
City Operations	Electricity usage and vehicle fuel	MT CO_2e	+78	-467	-1,456	-2,563
Community	Electricity usage	MT CO_2e	+2,076	-17,571	-20,547	-15,225

MAJOR MILESTONES

Action 1.1.1: Lobby for greenhouse gas emission targets at the regional and state level. Supported issues related to greenhouse gas (GHG) emissions include energy conservation, alternative energy, alternative transportation, and environmental education through City legislative priorities. Developed regional partnerships through the City's participation in the Southeast Florida Regional Climate Change Compact which has issued a Regional Climate Action Plan and has its own legislative agenda related to GHG emissions and climate change issues.

Action 1.1.2: Assign and train staff to report annual GHG inventory. Trained several Sustainability Division staff in compiling the City's annual greenhouse gas emissions inventory.

Action 1.1.3: Incorporate GHG emission reductions into decision-making process. Considered environmental benefits as one of the ten criteria in evaluating all projects for the City's Community Investment Plan (CIP). Defined Environmental Benefit in the current CIP as including energy use and sustainability issues.

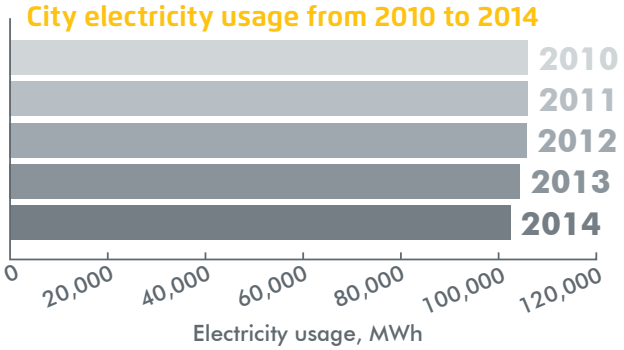
NEXT STEPS

The City plans to continue and accelerate its efforts to reduce GHG emissions through reduced energy consumption.

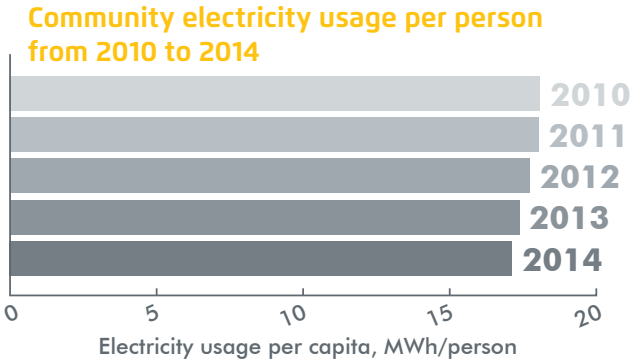
- Assign staff to the Sustainability Division to increase monitoring of GHG emission and their sources.
- Adopt green design and construction guidelines and green purchasing policy to further embed consideration of GHG emissions.
- Release of updated Sustainability Action Plan in the next year aligned with *Press Play Fort Lauderdale* will continue progress on GHG reductions.

ENERGY

As of 2014, the City has reduced its own electrical use by 3,649 megawatt-hours (MWh), a 3.4% reduction, from 2010.



Community electrical usage since 2010 has decreased by 27,930 MWh overall and by 4.4% per person.



GOALS

GOAL 1: Reduce electricity usage by 20% below 2010 levels by 2020

GOAL 2: Source 20% of electricity from renewable energy by 2020

The City of Fort Lauderdale is actively working towards reducing its energy consumption. The SAP electricity goal is to reduce City electricity use 20% from the 2010 baseline by the year 2020 for both government operations and City-wide. Electricity usage has decreased in both government operations and community-wide. **As of 2014, the City has reduced its own electrical use by 3,649 megawatt-hours, a 3.4% reduction, from 2010.** To date, major energy reduction efforts have included switching the lights in City Hall from conventional light bulbs to LED lights, using of variable frequency drives, and automating the shutdown of City computers. In addition, implementation of ISO 140001 Environmental and Sustainability Management Systems (ESMS) at two facilities has prioritized energy conservation at these facilities. This progress is expected to accelerate when the City launches its Energy Performance Contracting (ESCO) program later this year to reduce electricity consumption at its largest consumers of electricity and as ESMS is introduced to new facilities.

Community electricity usage since 2010 has decreased by a total of 27,930 MWh, despite a population increase of 3.6% during that time period. Over the same years, electricity usage per person decreased by 4.4%.[3] The City's efforts to reduce energy consumption in the community have included the Smart Watts rebate program, the ENERGY STAR® Change the World Campaign to educate residents about how individuals can implement energy efficient practices at home and using efficient products, and the Go Solar Broward Rooftop Solar Challenge which has made solar installations easier.

[2] Electricity usage in government operations and City-wide were calculated from data provided by the City's electric utility, Florida Power and Light. Community population data was obtained from the website of the University of Florida's Bureau of Economic and Business Research, www.bebr.ufl.edu.

Use of LED lights is one of the many ways the City is saving energy and reducing energy costs.

MAJOR MILESTONES

Action 1.1.3: Integrate electricity reduction goal into Capital Improvement Plan (CIP). Included environmental benefits as one of 10 criteria for evaluating all CIP projects since 2013. Defined environmental benefits according to the FY 2015 CIP as "whether the project would address sea level rise, flooding, energy efficiency, water quality, water efficiency or other sustainability measures."

Action 1.2.1: Evaluate data and findings from the Smart Watts Program. Gave away more than $236,400 in rebates to over 200 residents for replacing inefficient air conditioners, doors, windows, etc. with energy-efficient models and for the installation of renewable energy systems through the Smart Watts program.

Action 2.1.2: Create Annual budget for solar powered applications. Purchased solar powered systems regularly when appropriate for the project. Incorporated **more than 300 solar powered parking meters** and additional solar installations including solar trash compactors, parks lighting, and parking lot lighting, among others.

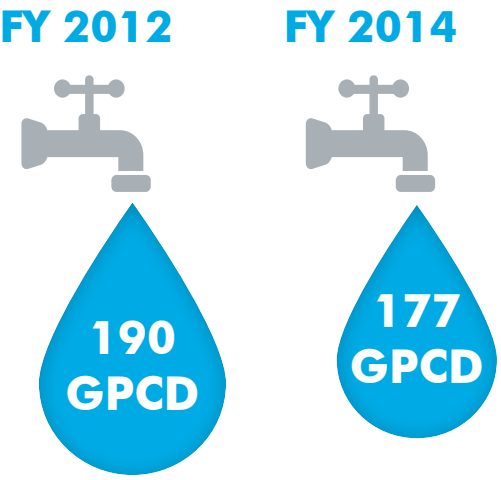
NEXT STEPS

The City plans to continue and accelerate its efforts to reduce energy consumption.

- Track energy performance of all it buildings utilizing the US Environmental Protection Agency (EPA) Energy Star Portfolio Manager which will allow the City to identify and address poor energy performers and changes in energy performance over time.
- Initiate a green business challenge to engage the business community in energy conservation and sustainability in the next year.
- In 2015, launch sustainability training for new employees which will include information on low cost/no cost energy savings such as increasing air conditioning (A/C) set points, turning off lights, and turning off unused electronics.

WATER

Since 2012, potable water demand per capita has decreased by almost 7% from 190 gallons per capita per day (GPCD) to 177 GPCD in 2014.



GOALS

GOAL 1: Reduce water demand by 20% by 2020

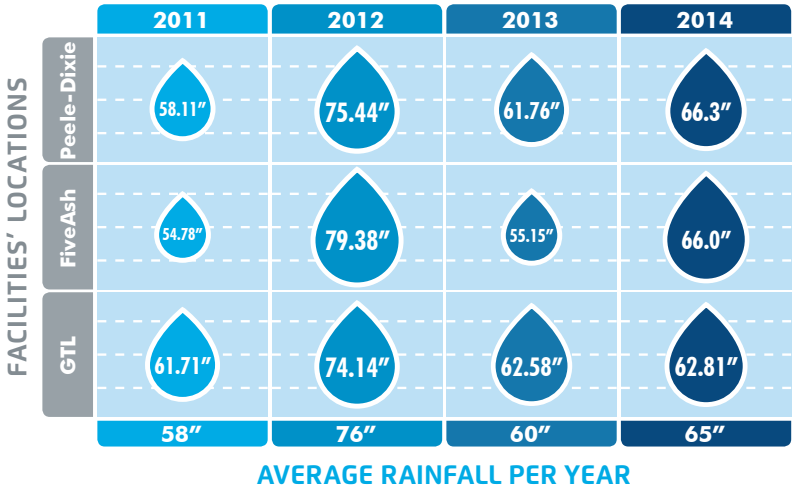
GOAL 2: Reduce and improve wastewater and stormwater treatment

Our drinking water is a resource increasingly stressed by growing population, advancing of saltwater intrusion into the region's Biscayne Aquifer, and changing precipitation patterns. In response, the City of Fort Lauderdale has focused on reducing water demand. **Since 2012, potable water demand per capita has decreased by almost 7% from 190 gallons per capita per day (GPCD) to 177 GPCD in 2014.** This reduction meets the *Press Play Fort Lauderdale* goal of 180 GPCD by 2018 and is on track for the City's Consumptive Use Permit requirement of 170 GPCD by 2028. The City's initiatives to reduce water consumption include escalated rates for high volume water users, participation in the NatureScape mobile irrigation service and Conservation Pays programs, the recently adopted Florida-Friendly Landscaping™ ordinance, and coordination with large uses on the Lower East Coast Water Supply Plan.

Florida-Friendly Landscaping™ saves water, money and energy, protects the environment, and provides a natural habitat for native wildlife. It also saves time and money as landscapes designed using these principles typically require less maintenance, tolerate droughts better, and resist diseases and insects. Also, using native drought-resistant plants, trees, shrubs and turf often eliminates the need for irrigation, special soil, fertilizer, pesticides, and weeding. Learn more about Florida-Friendly Landscaping at www.floridayards.org. In February 2015, the City Commission adopted an ordinance amending the landscaping and tree preservation requirements of the City's Unified Land Development Regulations (ULDR) by incorporating Florida-Friendly Landscaping™ and sustainability principles. The ULDR changes included increasing the number of trees and plants which are specifically adapted to the local climate via specific criteria, increasing the resilience of landscaping by reducing the amount of irrigation required to maintain health and furthering water conservation efforts.

In addition, the City's ability to manage and treat stormwater and sanitary wastewater is an essential service. Inefficiency in the sanitary sewer systems can result in increased operational costs, increased energy usage, increased GHG emissions, and loss of treatment capacity at the plant. Inflow and infiltration (I&I) refers to the addition of water to the sanitary sewer flow due to system defects such as cracks in the pipe and illegal connections. The extent of the City's I&I issues is demonstrated during high-tide events, when the volume of flow through the wastewater treatment plant can double as a result of groundwater infiltrating the pipes. The City commonly experiences rain levels greater than the annual averages for the Southeast Florida region which further exacerbate I&I related problems. Consequently, the City is currently implementing a plan to reduce I&I by spending $10 million over the next three years on improvements to the sanitary sewer system.

Annual rainfall recorded in inches from 2011 to 2014



Another significant water management issue is the handling of stormwater. Overflow of the stormwater systems can cause flooding and pollution due to contaminated runoff. Currently, less than 40% of residents are satisfied with the City's prevention of flooding based on the annual neighbor survey. To improve these issues, the City is currently implementing a comprehensive 10-year Stormwater Master Plan to enhance system operation and reduce flooding incidence using conventional and green infrastructure, such as improved pumping stations, pervious pavers, bioswales, stormwater preserves, one-way tidal valves, and seawall repairs.

MAJOR MILESTONES

Action 1.1.1: Expedited, continuing escalation of high-user potable water fees in single-family zoning. Adopted an ordinance in 2012 establishing annual fixed rates increases of 5% across the board.

Action 1.1.2: Implement and enforce landscape ordinance requiring low-volume/avoidance watering. Adopted an ordinance in 2015 amending the landscaping and tree preservation requirements of the City's Unified Land Development Regulations by incorporating Florida-Friendly Landscaping™ and sustainability principles to conserve the City's long-term potable water supply.

Action 1.1.3: Directly engage all large water users in long-range water resource planning and conservation. Coordinated with other large users for the corresponding required updates of their local comprehensive plans, facility work plans, and ordinances following the Lower East Coast Water Supply Plan which was updated by the South Florida Water Management District, and consequently the City of Fort Lauderdale, in 2013.

Action 2.1.1: Reduce inflow and infiltration. Commenced in FY2015 a $10 million three-year plan to reduce inflow and infiltration in the City through improvements to the sanitary sewer system.

Action 2.2.2: Bioretention swales in urban areas. Adopted a Complete Streets Manual in 2013 which, among its many elements, encourages the use of natural systems, such as bioswales, to reduce stormwater flow, improve water quality, reduce urban heating, enhance pedestrian safety, reduce carbon footprints, and beautify neighborhoods.

NEXT STEPS

- Continue to participate in water conservation programs such as the Broward Water Partnership. To learn more, visit www.conservationpays.com.
- Implement the Stormwater Management Plan to address sea level rise and increased extreme precipitation events through continual improvements in the design and infrastructure improvements in the stormwater system.
- Continue to improve the sanitary sewer systems to reduce the impacts of inflow and infiltration.

BUILT & NATURAL ENVIRONMENT

Incorporating landscapes into our urban environment, the City improves air quality, creates habitat, and calms traffic.

GOALS

GOAL 1: Encourage and plan green buildings and development

GOAL 2: Preserve and expand natural spaces

GOAL 3: Improve energy performance in buildings

The Built and Natural Environment Goal area is focused on encouraging greener construction, stewardship of our natural spaces, and greener building operations.

The City adopted an update to the City's Downtown Master Plan on February 4, 2014 which serves as a blueprint for the future development by guiding and promoting an active urban center with a variety of public spaces, transportation options and a mix of uses. The Plan includes new Transit-Oriented Development (TOD) guidelines. These aim to create pedestrian-friendly, vibrant station areas to support the continued growth of the Downtown as a live, work, and play environment. They address design, density, and parking standards in order to create a more compact development pattern that supports transit, walking, and biking. Department of Sustainable Development staff is currently in the process of updating the City's Unified Land Development Regulations to implement land use and parking standards included in the City's TOD guidelines.

The City has made strides in enhancing the natural environmental as well. In 2010, the tree canopy covered 20.6%. The City expects to reach its 2018 tree canopy goal of 23.6% within the next year. This has been achieved by continuing to hold quarterly tree giveaways, special event giveaways, and encouraging sustainability practices through Florida-Friendly Landscaping™ and plantings on City properties.

As noted in the Energy Section, the City has plans to improve tracking of electricity internally to improve the energy performance of buildings.

Northwest Gardens development, Florida's first LEED ND certified project, incorporates sustainable futures such as community gardens, ENERGY STAR rated appliances, and efficient windows, etc.

MAJOR MILESTONES

Action 1.1.7: Promote development of vegetable gardens. Adopted an ordinance in 2012 permitting urban farms and community gardens and supported two applicants' requests for permits.

Action 1.2.1: Develop and expand Greenways/ Blueways network and initiatives. Developed a Multimodal Transportation Program in collaboration with state and regional partners and with significant neighbor input that identifies the locations for future bicycle and pedestrian pathways as a part of creating a connected community.

Action 1.2.3: Require future development to consider reducing demands for cooling and lighting. Added specific goal and action to the Downtown Master Plan encouraging environmentally-friendly, fuel/energy efficient green building design.

Action 1.2.4: Incentivize and encourage increased mixed use and density. Adopted an update to the City's Downtown Master Plan on February 4, 2014 encouraging increased mixed use and density.

Action 2.1.3: Develop program to preserve natural beach environment. Redesigned the A1A corridor from NE 18th Street south to Sunrise Boulevard. Redesigned the portion of A1A south of Sunrise Boulevard to resurface the roadway which will include the installation of in-ground LED/Solar lighting at crosswalks to improve pedestrian safety while protecting turtle habitat.

In the innovative redesign of Route A1A, sustainability and climate resilience elements are combined with features that create a more livable and connected community, serving as a prototype for Fort Lauderdale's future.

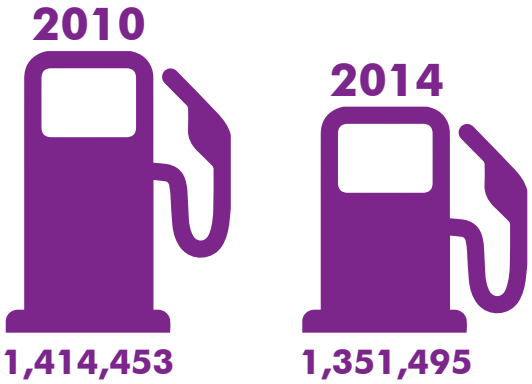
Action 3.2.3: Implement energy efficient new public/ affordable housing projects. Supported construction of 550 LEED certified homes Northwest Gardens Phases II and IV as part of the Fort Lauderdale Housing Authority's affordable housing project.

NEXT STEPS

- Prepare amendments to the City's Unified Land Development Regulations (ULDR) to include elements of the TOD guidelines.
- Continue to encourage increasing the number of newly constructed or renovated housing units and LEED certified projects, for example, by supporting LEED Gold homes Phases II and IV construction by the Fort Lauderdale Housing Authority.
- Update the Comprehensive Plan, incorporating policies to address sustainability and climate change.

TRANSPORTATION

Total vehicle fleet fuel consumption has decreased 4.5% from 1,414,453 gallons of combined diesel and gasoline in 2010 to 1,351,495 combined gallons in 2014.



Gallons of combined diesel and gasoline fuel used by City fleet

GOALS

GOAL 1: Reduce fossil fuels use in vehicles by 20% below 2010 by 2020

GOAL 2: Reduce vehicle miles traveled

GOAL 3: Plan for alternatives to driving opportunities

The SAP Transportation Goals focus on creating a fuel-efficient fleet, reducing miles traveled, and improving transit. The City of Fort Lauderdale has made significant efforts to reduce use of fossil fuels in its City fleet while maintaining its operational performance. **Total vehicle fleet fuel consumption has decreased 4.5% from 1,414,453 gallons of combined diesel and gasoline in 2010 to 1,351,495 combined gallons in 2014.** To meet fuel reduction goals, the City has made changes to our vehicle replacement criteria, improved our data collection, and explored viable alternative fuel types. A "no idling" policy was also adopted and implemented to reduce fuel use.

A connected, pedestrian-friendly transportation network was the number one category in *Fast Forward Fort Lauderdale: Our City, Our Vision 2035*. It has also been identified as a priority in several rating areas in the 2012, 2013, and 2014 Neighbor Surveys. Consequently, the City has prioritized initiatives to increase the multi-modal connections.

The City hosted the inaugural Family Fun Bike Ride event on March 21, 2015 at Holiday Park. Over 60 neighbors participated in this event that included information and activities for bike safety, a bike helmet giveaway and fitting, a bike giveaway, a bike ride, and ended with a family movie night.

The City hosted the first annual Open Streets event on November 23, 2014 which closed off Las Olas Boulevard from Andrews Avenue to NE 15th Avenue. The event promoted walking and biking in partnership with the Winterfest Boat Parade, Las Olas Merchants Association, Las Olas Farmers Market, and Las Olas Company.

Over the past fiscal year, the City has continued to make advances in improving the Fort Lauderdale transportation network for all neighbors, commuters, and visitors. To reduce congestion, the City continues to work with a number of partners on major initiatives, including the All Aboard Florida passenger rail project, the Wave Streetcar project, the Central Broward East-West transit project, and the Broward Boulevard Gateway project, all of which are in various stages of implementation. Additionally, the Transportation Management Association (TMA) has increased its level of service with route expansion and additional ridership. As these major projects are completed over time, congestion should be reduced for neighbors, commuters, and visitors. In turn, it is anticipated that neighbor satisfaction with the overall flow of traffic and the percent of neighbors using public transportation will increase.

The City is also working to implement a significant number of infrastructure projects that will add pedestrian crossings and bicycle lanes across the City. New bike facilities have

The City has increased its emphasis on pedestrian safety with the lighted crosswalks in key locations.

been added on NE 2nd Street, NW/NE 4th Street, and a parallel bike facility will soon be added north and south of Sunrise Boulevard between Searstown and Gateway as part of the Florida Department of Transportation (FDOT) resurfacing project on US 1. New pedestrian crossings have been added on Las Olas Blvd at SE 13th Ave and on SE 3rd Avenue and SE 1st Street as the beginning of pedestrian improvement projects in downtown Fort Lauderdale. These infrastructure improvements along with the transit enhancements will work together to improve transportation alternatives, reducing vehicle miles traveled.

MAJOR MILESTONES

Action 1.1.2: Include fuel efficiency and fuel source in fleet replacement analysis. Established criteria for vehicle replacement considering vehicle type and size is optimal for the assigned task; the lifetime financial cost of ownership; the lifetime fuel consumption and environmental impact.

Action 1.1.4: Aggressively expand replacement of City fleet vehicles with hybrid and alternative fuel, low CO^2 emitting vehicles. Incrementally purchased hybrids for the fleet increasing from 2% hybrids/total cars purchased in Fiscal Year 2013 to 32% in FY 2014. In FY 2015, the fleet projects 39% of the vehicle replacements will be hybrids or other ultra-low emitting vehicles.

Action 2.2.2: Implement program to improve mobility infrastructure for biking, walking and transit City-wide. Adopted an award-winning Complete Streets Policy in FY 2014 and implemented Bike Valet services at large City events. Adopted the implementation program entitled Connecting the Blocks Program, a multimodal infrastructure program, which identifies needed bicycle, pedestrian and transit improvements to establish a connected and multimodal community as called for in *Fast Forward Fort Lauderdale* vision plan.

Action 2.2.3: Support fixed rail projects, such as the Wave, FEC Commuter Service, or Central Broward East/West Project. Redeployed the Sun Trolley Community Bus routes to improve connections to the future wave Streetcar, Tri-Rail Coastal Link and FEC All aboard Florida Network in conjunction with the Downtown Fort Lauderdale Transportation Management Association (TMA). Committed $10.5 million towards the Wave Streetcar Project.

NEXT STEPS:

- Install GPS technology in the City fleet during FY 2015 which will improve the safety of our employees, increase efficiency through proper routing, and reduce fuel use as well as wear and tear on City vehicles.
- Research idle-reducing technology for the City fleet that improves fuel efficiency while operating electronic devices effectively.
- Analyze alternative fuel opportunities that increase the City's resilience and/or reduce overall traditional fuel consumption and emissions.

WASTE & RECYCLING

SINGLE-STREAM BLUE RECYCLING CARTS

26,141

Tons of recyclables collected from single-family households since 2012

GET IN THE GREEN MULTI-FAMILY RECYCLING

Multi-family Recycling is a critical component of meeting 2020 recycling targets.

HOUSEHOLD HAZARDOUS WASTE AND ELECTRONICS

118,636

Pounds collected in 2014 alone

GOAL

GOAL 1: Increase recycling rates by 20% by 2020.

The City implemented a number of key programs designed to increase waste diversion and single-stream recycling throughout the City of Fort Lauderdale. Deployment of single-stream blue recycling carts to single-family households in 2012 was the first initiative to increase recycling, resulting in 26,141 tons of recyclables being diverted from the waste stream since 2012. This represents a 24% increase in recyclables when compared our previous dual-stream program.

Subsequent initiatives included **Get in the Green** which launched in September 2013 in an effort to expand the residential single-stream recycling program to multi-family properties. Successfully diverting additional recycling volumes from the waste stream in larger scale, multi-family developments is a critical component of meeting 2020 recycling targets. Other diversion initiatives include the collection of household hazardous waste and electronics with a total of 118,636 pounds collected in 2014 alone.

The implementation of new diversion programs such as tire collection, clothing and small household good donations, scrap metal and paper shredding will successfully remove additional materials from the waste stream supporting the efforts to meet our 2020 recycling target. Moving forward, other materials such as industrial plastics, batteries, paints and FOGs (Fats, Oils, Greases) will be managed as separate waste streams, lowering our disposal impacts to the environment.

GET IN THE GREEN
MULTI-FAMILY RECYCLING
CITY OF FORT LAUDERDALE

Household Hazardous Waste and recycling event

MAJOR MILESTONES

Action 1.1.3: Conduct survey to assess barriers to recycling. Received 2014 Neighbor Survey reflecting 81% satisfaction rating for residential recycling services and 74% agreed that single-stream recycling has reduced their total household garbage disposed.

Action 1.1.4: Reduce paper consumption for documents by supporting paperless technologies. Implemented the QAlert and Lauderserv applications in 2014 eliminate paper work orders and rely on paperless technology that promotes real-time updates and communications with the field. Visit Lauderserv online at www.fortlauderdale.gov/lauderserv.

Action 1.2.1: Convert residential curbside carts to automated carts. Delivered over 38,600 recycling carts to neighbors between June and August 2012 with an increase of 22% as a result.

Action 1.2.3: Enforce existing recycling programs. Launched Get in the Green program in September 2013 to implement and expand multi-family recycling and enforce the City's multi-family recycling ordinance.

Action 1.2.7: Beach recycling. Installed 50 new co-collection containers along A1A from SE 17th Street to Sunrise Boulevard in October 2013.

NEXT STEPS

- Explore expanding waste diversion efforts.
- Investigate improving ordinances to improve recycling rates for commercial ventures.
- Determine feasibility of creating a household hazardous waste convenience center to improve neighbor access and disposal options for special wastes, electronics and other items.

PROGRESS TRACKING

The City receives gold certification as Florida Green Local Government.

In 2013, the City of Fort Lauderdale was certified GOLD as a Florida Green Local Government recognized by the Florida Green Building Coalition (FGBC).

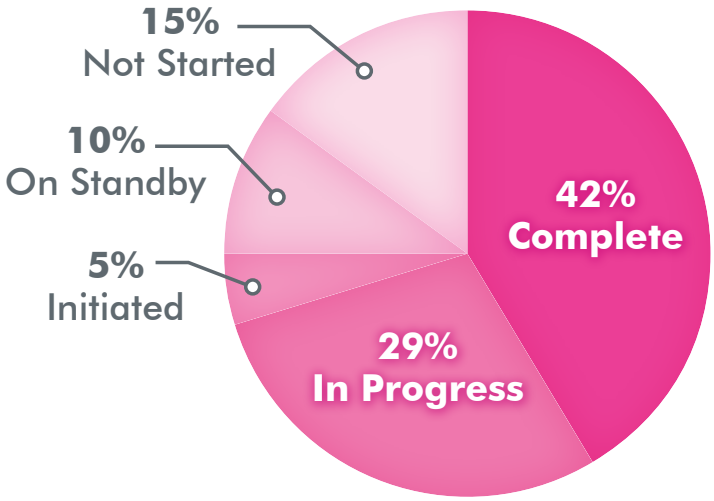
By cataloging existing sustainability initiatives, demonstrating best practices and sharing them throughout the City, successes could be duplicated and their gains magnified. This resulted in wide application of environmentally responsible procedures such as reducing printing to conserve paper and energy, minimizing or eliminating engine idling to conserve fuel and reduce greenhouse gas emissions, and recycling at City facilities. View the complete list of Fort Lauderdale's green achievements here: www.floridagreenbuilding.org/index.cfm/go/public.certifiedProject/projectID/10674

GOAL

GOAL 1: Track progress of sustainability efforts.

During the years since the Sustainability Action Plan was updated in 2011, Structural Innovation, a division created in the fall of 2011 under the City Manager's Office, has applied a comprehensive approach for documenting progress City-wide. This division's work, tracking the City's progress improvements overall, has formalized tracking the success of implementing the SAP.

By developing *Fast Forward Fort Lauderdale: Our City, Our Vision 2035* and subsequently *Press Play Fort Lauderdale: Our City, Our Strategic Plan 2018*, the City is organized to move forward. For example, at the end of 2014, the first year of the five-year strategic plan, 80% of *Press Play Fort Lauderdale*'s 191 strategic initiatives are underway and 5% are complete. The City keeps focused on its Strategic Plan through monthly leadership meetings where performance is reviewed, in Cylinder of Excellence Team meetings where complex challenges are tackled, and within departments leading detailed projects. One of the key performance indicators in *Press Play Fort Lauderdale* is percentage of SAP action items implemented with a goal of 80% implemented by 2018. In 2014, the most recent full year of collecting data for each of the 101 action items within the SAP, demonstrates that 42% of actions are complete, 29% are in progress, 5% are initiated, 10% are on standby, and 15% are not started.



In 2014, the most recent full year of collecting data for each of the 101 action items within the SAP, demonstrates that 42% of actions are complete, 29% are in progress, 5% are initiated, 10% are on standby and 15% are not started.

MAJOR MILESTONES

Action 1.1.1: Publish annual sustainability update and progress report. Published the SAP Progress Report which identifies action items' priority and helps informs the 2015 SAP Update.

Action 1.1.2: Assure all sustainability actions are goal-directed, evidence-based, and cost-effective. Resonated throughout *Press Play Fort Lauderdale: Our City, Our Strategic Plan 2018* 12 inspirational Goals, 38 objectives, 191 strategic initiatives, and 142 performance indicator targets that drive smart and informed decision-making. Established a variety of performance indicators that include input, output, efficiency, and outcome.

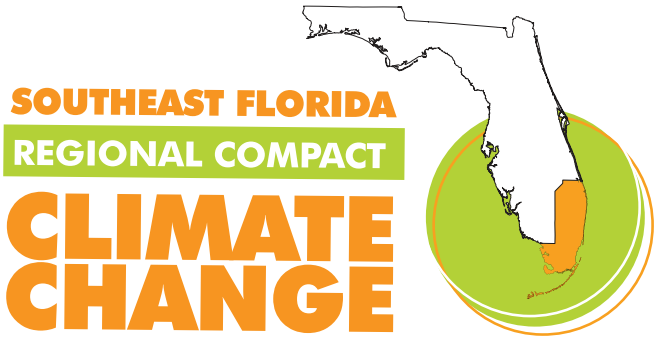
Action 1.1.3: Seek advice from program administrators of successful sustainability programs. Received staff training by National Oceanic and Atmospheric Administration (NOAA) in 2014 at no cost to the City with two upcoming additional sessions in FY2015. Conducted Urban Land Institute (ULI) Technical Advisory Panel (TAP) for Riverwalk and the Uptown development area.

Action 1.1.4: Adopt integrated environmental management, auditing, evaluation, and revision system. Adopted an integrated environmental management, auditing, evaluation, and revision system. Trained Environmental and Sustainability Management System (ESMS) staff to evaluate City operations for preventing pollution, reducing waste, conserving resources and using sustainable practices.

NEXT STEPS

- Align the Sustainability Action Plan Update with the City's vision and strategic plans, Southeast Florida Regional Climate Action Plan (RCAP) and Broward County's Climate Change Action Plan.
- Participate in the City's first ESMS audit during FY 2015 - FY 2016.

We Are Making Waves at Regional and International Levels




Resilient Communities for America Agreement

We, the mayors and local leaders of America, will lead the creation of more resilient cities, towns, and counties, built to overcome our nation's EXTREME WEATHER, ENERGY, and ECONOMIC challenges.

A CALL TO ACTION

To learn more, visit www.resilientamerica.org.

In achieving completion of 42% of the actions outlined in the 2011 Sustainability Action Plan Update, the City continues to demonstrate its commitment to a comprehensive approach to addressing the current and future challenges facing our community. While the City's sustainability initiatives and actions are ongoing at the local level, Fort Lauderdale is recognized for its innovation in addressing sustainability and climate resilience throughout the Southeast Florida region, State of Florida, the nation and around the world.

To learn more about the City's Sustainability Awards And Recognition, visit
gyr.fortlauderdale.gov/greener-government/leading-learning-with-gyr/sustainability-awards

Mayor Jack Seiler joined other city and county officials from throughout the U.S. who have committed to creating more resilient cities, towns and counties in response to our nation's growing extreme weather and energy challenges by becoming one of 45 inaugural signatories of the Resilient Communities for America Agreement and the first to sign the Southeast Florida Regional Climate Change Compact Mayors' Climate Action Pledge in 2012. Through the leadership of City Administration and the City Commission, the City has adopted policies which emphasize the importance of sustainability seeking to recognize and address the triple bottom line – Environment, Community and Economy.

At the regional level, the City has a seat on the steering committee for the Southeast Florida Regional Climate Change Compact. The Compact was executed by Broward, Miami-Dade, Monroe, and Palm Beach Counties in January 2010 to coordinate mitigation and adaptation activities across county lines. The Compact represents regional climate cooperation designed to provide local governments with technical and policy guidance on climate adaptation to support a sustainable region. The City will also be supporting a Compact Municipal Workgroup to support implementation of the Southeast Florida Regional Climate Action Plan. To learn more, please visit www.southeastfloridaclimatecompact.org

We Are Making Waves at Regional and International Levels

As part of the City's international efforts, in March 2014, a delegation for Durban, South Africa visited Fort Lauderdale.

Since 2012, through involvement at workshops and summits, the City has contributed to influence the process of the Southeast Florida Regional Partnership (Partnership) which includes more than 200 public, private, non-profit organizations and others from the region consisting of Monroe, Miami-Dade, Broward, Palm Beach, Martin, St. Lucie and Indian River counties. The "Seven50," a seven-county, 50-year Southeast Florida Prosperity Plan, was released in 2014 providing a roadmap of the future sustainability and economic prosperity for Partnership communities throughout the region. To learn more about the plan, visit www.seven50.org.

At the national level, we share knowledge and learn best practices through participation in the Urban Sustainability Directors Network (USDN), a peer-to-peer network of local government professionals from cities across the United States and Canada. For more information, visit www.usdn.org. We have a representative on the Board of Directors for the Association of Climate Change Officers (ACCO) and technical staff supporting the development of climate curriculum for a national climate certification. To learn more, visit www.accoonline.org.

Globally, the City has participated in international technical exchanges on climate issues through the International City/County Management Association (ICMA) including Ethekwini Municipality Durban South Africa, the Association of Southeast Asian Nations (ASEAN) Climate Leadership Academy in Jakarta, Indonesia and Legazpi, Philippines. The City hosted Gold Coast, Australia and is continuing to work with the Southeast Florida Regional Climate Change Compact. We have reached out around the world to the continents of Europe, South America, Africa, Asia, and as far away as Australia and Oceania.


South Africa


Indonesia


Philippines

To view the Durban Commission Agenda Memo 13-1313, visit:
www.fortlauderdale.gov/Durban

We Are Propelling Forward: On Course for 2015

City of Fort Lauderdale along intercoastal waterway and Port Everglades.

When the Sustainability Action Plan Update was adopted in 2011, we charted a course to set sail toward the horizon. Together we learn from each other, along with our neighbors and have set our sight in the right direction. We have recognized our shared successes as well as our mistakes and lessons.

We are aware of our surroundings and circumstances. From a planning perspective, we are prepared and we have strong regional relationships that have been tested and have endured. We are primed to go to the next level, to take action. We are already a recognized leader – regionally, statewide, nationally and internationally. Our networks are a testament to our leadership and capacity to share.

At the forefront leading innovative adaptation and resilience strategies, supported by the best available data, and knowledge shared among our partners - We Are Ready. Together with our neighbors, our vision, strategic plan and organizational commitment will lead us to deliver on the promise of making our operations and community more sustainable.

The Goals, Objectives, and Actions as were written into our Sustainability Action Plan in 2011 were a good start, initiating significant changes to improve the City's long-term sustainability and resilience. The compilation of the progress report has showed us what we have accomplished and what we need to address in our future Sustainability Action Plan update.

Our leaders today are committed to a resilient, adaptive and sustainable future. Every time we revisit the Sustainability Action Plan, there will be new tools, techniques, data, and resources that will continue to propel us forward. We invite and welcome you to come with us!

Together, we are making waves!

For readers interested in following the progress of the next Sustainability Plan Update, please visit www.fortlauderdale.gov/gyr.

APPENDIX:
Sustainability Action Plan (SAP) Progress Report

FY 2014: October 1, 2013 - September 30, 2014 and FY 2015: October 1 2014 - September 30, 2015

This following Appendix is structured as an itemized list, within which the status of each of the SAP 101 action items and brief summaries is noted. The action items are listed sequentially under each goal area, which represents a chapter in the SAP as a complement to that which is presented in the SAP Progress Report.

The goal areas are:

- LEADERSHIP
- AIR QUALITY
- ENERGY
- WATER
- BUILT & NATURAL ENVIRONMENT
- TRANSPORTATION
- WASTE & RECYCLING
- PROGRESS TRACKING

Each action item is categorized and reported in the ***Status Categories*** column as being one of the following five:

1. **Complete** = project finished or annual progress achieved
2. **In progress** = activity is currently underway.
3. **Initiated** = some activity has occurred and future activity is anticipated.
4. **On standby** = activity paused due to significant barriers.
5. **Not started** = no direction has been received to begin -or- was not initiated due to significant barriers.

Summary statements describe items' status in more detail, noting projects and initiatives during the most recent timeframe in the following two columns: ***Summary of Actions Taken through Sep. 30, 2014*** and ***Summary of Next Steps Actions Planned starting Oct. 1, 2014.***

To read the full Sustainability Action Plan document, please visit:
gyr.fortlauderdale.gov/SAP

LEADERSHIP

Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
Goal 1: Lead by Example.			
Objective 1.1: Increase organizational capacity.			
Action 1.1.1: Assign City staff to implement sustainability initiatives.	**Complete**	The City created the Office of Sustainability near the end of 2011 with a limited staff and adopted the Sustainability Action Plan Update. In 2014, the Office was officially designated as the Sustainability Division within Public Works. It now includes 25 staff working toward sustainable outcomes in the following programs: Fleet Services, Solid Waste and Recycling, Environmental and Regulatory Affairs, and Sustainability and Climate Resilience.	Moving forward, the Public Works Sustainability Division will continue to promote a cultural shift toward sustainable decision-making and integration of these factors into planning, the budget process and procurement practices. The Division also serves as an internal business consultant to other departments to integrate sustainable practices and climate resiliency into daily operations. In addition, Division staff is leading the Environmental and Sustainability Management System (ESMS) process to provide City-wide support on implementing ESMS.
Action 1.1.2: Set aside annual budget for sustainability projects and staff time.	**Complete**	Reorganizations within the City government have brought additional programs under the umbrella of sustainability. In FY 2014, the total budget of the Public Works Sustainability Division was over $31 million with approximately $4.3 million in grant funds for recycling, development of adaptation policies and planning for stormwater preserves. The overall Division budget represents a variety of operational costs and targeted sustainability activities in fleet, solid waste diversion, environmental permitting and energy efficiency. However, funding is being allocated in all departments to incorporate sustainability throughout City operations.	In FY 2015, general and targeted funding has been made available for sustainability, environmental protection and climate resilience. Select projects include development of a climate and sustainability training course for all employees, sustainability training as part of new employee orientation, the establishment of the Environmental and Sustainability Management System program, and drafting of a sustainable design and construction manual. In addition, fleet replacements are being targeted to select the right vehicle for the right purpose incorporated fuel efficiency, alternative fuels and greenhouse gas emissions into replacement considerations.
Action 1.1.3: Create common data base of best green management practices.	**In Progress**	The development of the Sustainability Web portal and the Green Your Routine Story Map (www.fortlauderdale.gov/gyr) represents an initial effort to document sustainable best practices currently in use in the City and describe additional green practices for use in the community. The City has also contributed to Broward County's Clearinghouse of Best Management Practices or sustainability. www.broward.org/gogreen/municipalities/pages/bestmanagementpractices.aspx	The Sustainability Web Portal is expected to be completed in the spring of 2015 and maintained with regular updates of green activities, initiatives and best practices.
Action 1.1.4: Create strategic partnerships with local educational institutions and businesses; large energy and water users; regional organizations.	**Initiated**	The City has many successful past and present partnerships. Examples include NOAA on climate education, the Southeast Florida Regional Climate Change Compact on climate response, FPL on a Community Solar initiative, Broward College on tree giveaways, and Riviera Isles Homeowners Association with a public/private partnership on installation of tidal valves. The City regularly participates in and host the Broward County Sustainability Stewards. Through the Conservation Pays and NatureScape Irrigation Programs, the City is partnering with Broward County and other area utilities to reduce water use in homes and optimize irrigation practices with large users.	The City will continue to expand partnerships to leverage community resources to advance sustainability. In FY 2015, the City will engage NOAA and the CLEO Institute to provide employee education on sustainability and climate resilience. The City will proactively seek out additional partnerships and take advantage of opportunities as presented.
Objective 1.2: Follow Sustainable Procurement Practices.			
Action 1.2.1: Create program to identify environmentally preferable purchasing practices.	**In Progress**	Discussions with Purchasing has been initiated and a draft policy was developed.	Further discussions and refinement of the environmentally preferable practices will be pursued during this fiscal year.
Action 1.2.2: Modify the City's procurement process to provide incentives for local businesses to provide sustainability related services.	**In Progress**	The Public Works Sustainability Division has provided selective review of procurement specification in large bids and requests for proposals. By adding language which would improve the sustainability of the final product, require vendor experience with sustainable practices and green certifications where applicable, the City has put vendors and consultants on notice that sustainability is part of every project and procurement.	The procurement process will be reviewed to determine opportunities to provide feedback to continue to expand and incorporate sustainability language and requirements.

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Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
Goal 2: Implement and Enforce Sustainability Policies.			
Objective 2.1: Implement and Enforce Policies that Encourage Sustainability.			
Action 2.1.1: Create the City's sustainability mission and a Sustainability Element into the Comp. Plan.	**In Progress**	A Comprehensive Plan Evaluation and Appraisal Report (EAR) process is underway. In 2014, the City entered into an agreement with a consultant to assist the City with the first phase of the project, which includes preparation of the EAR and Data Inventory and Analysis (Comprehensive Plan Volume II).	Significant efforts to further incorporate sustainability and adaptation principles are forthcoming in FY 2015. The Sustainability Manager position was filled on November, 17, 2014 and will assist in furthering the City's sustainability mission. In addition, the Sustainability Manager's staff team will review and make recommendations to amend the Comprehensive Plan throughout the EAR process.
Action 2.1.2: Adopt Energy Disclosure Ordinance.	**Not started**	To date, this action has not been prioritized for implementation.	The Public Works Sustainability Division will prioritize staff resources in the future to encourage energy use monitoring in the community.
Action 2.1.3: Reflect and incorporate sustainability in new and existing policies.	**Complete**	The Public Works Sustainability Division works toward integrating sustainability principles into plans, policies, and documents City-wide. For example, staff developed language in advancement of adaptation policy options, including its integration into the City's Comprehensive Plan as a text amendment.	During FY 2015, the Public Works Sustainability Division will develop the Sustainability Action Plan (SAP) Update, creating a greater alignment between the SAP and *Press Play Fort Lauderdale* and the Regional Climate Action Plan.
Action 2.1.4: Consider implementation of standardized energy management such as ISO 50001.	**Not started**	At present, the City has prioritized implementing ISO 140001 over ISO 50001. ISO 140001 addresses Environmental and Sustainability Management Systems (ESMS) and is being implemented address environmental issues including energy efficiency at the two facilities.	In FY 2015, the City hopes to complete ISO 140001 certification (ESMS) for the G.T. Lohmeyer Wastewater Treatment Plant and Fleet Fenceline facility. Plans are underway to extend ESMS procedures and certification to the executive airport site.
Objective 2.2: Promote and Support Sustainability Initiatives.			
Action 2.2.1: Develop and maintain sustainability website.	**Complete**	A revision of the City's website was launched in 2014 as part of the overall City website redesign initiative. The City's "Green Your Routine" webpage improves access to sustainability information. Through this web portal, our neighbors can more easily access Sustainability Action Plans or Sustainability Advisory Board minutes, as well as popular pages on Urban Forestry and Recycling.	The Green Your Routine/Sustainability web portal is under development and launched April 22, 2015. It serves as a resource providing current information on key sustainability topics. In addition, the Office of Neighbor Support in partnership with the Public Affairs Office is continuously developing new methods to communicate with neighbors and neighborhood associations through platforms such as Nextdoor, and Lauderserv. These conduits can be used to provide regular sustainability message to our neighbors.
Action 2.2.2: Promote Residential Energy Pledge.	**On Standby**	To date, this action has not been prioritized for implementation.	The Public Works Sustainability Division will prioritize staff resources in the future to encourage energy efficient practices in the community.
Action 2.2.3: Use demonstration center for education, workshops and outreach activities.	**On Standby**	The City has explored but to date has not established a demonstration center.	
Goal 3: Stimulate Green Local Economy.			
Objective 3.1: Recruit Green Local Workforce.			
Action 3.1.1: Support Green Training of the Local Workforce.	**Complete**	The City supported green training of the Local Workforce, as was promoted through the Opportunities Industrialization Center (OIC Training Academy), a private nonprofit community-based career training.	
Action 3.1.2: Encourage building owners to hire local design and construction professionals.	**Complete**	Developers are encouraged to hire South Florida architects as they are familiar with Florida's building code. Moreover, the City encourages the hiring of local workforce.	The City plans to continue the previous year's efforts into FY 2015.

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Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
Goal 3: Stimulate Green Local Economy.			
Objective 3.1: Recruit Green Local Workforce.			
Action 3.1.3: Create financial incentive programs.	**Complete**	When developers or business owners apply for economic development incentives at the Northwest-Progresso-Flagler Heights Community Redevelopment Authority (CRA), the CRA provides additional points on the application if they: "Create at least 3 new full-time and/or part-time jobs" or "Property/Project eligible for Brownfield program designation or other contamination clean-up program" and if "Project has received or will apply for industry standard designation indicating high level of sustainability in design and construction (i.e. LEED, etc.)"; thereby promoting financial incentive programs for sustainable projects.	The City plans to continue the previous year's efforts into FY 2015.
Goal 4: Prepare for Climate Change Impacts.			
Objective 4.1: Plan for climate adaptation and mitigation.			
Action 4.1.1: Include adaptation/ mitigation strategies into the City's plans.	**Complete**	Currently, staff are integrating climate change adaptation planning and sustainability into City policies and operations. The Public Works Sustainability Division has engrained into its projects, adaptation and resiliency as its top priority.	The City plans to continue the previous year's efforts into FY 2015.
Action 4.1.2: Enhance communication about climate change adaptation in coordination with other agencies and municipalities.	**Complete**	Building upon strategic partnerships, the City works collaboratively with all levels of government. The City is collaborating with Broward County, regionally through our efforts with the South Florida Regional Compact, and among various agencies at the State, National and International levels.	The City plans to continue the previous year's efforts into FY 2015.
Action 4.1.3: Partner with local, regional and state agencies or educational institutions to increase preparedness and mitigate risk.	**Complete**	The City of Fort Lauderdale executed an Interlocal Agreement (ILA) with the South Florida Regional Planning Council (SFRPC) in 2013 commencing a pilot project of special merit to explore the options available to local governments that wish to incorporate Adaptation Action Areas (AAAs) into their local comprehensive plans. The City of Fort Lauderdale, in collaboration with the SFRPC and Broward County, served as the pilot community to test the development and advancement of adaptation policy options, including its integration into the City's Comprehensive Plan as a text amendment.	The City adopted a new Goal 3, Objective 3.1, and Policies 3.1.1 – 3.1.14 to the Coastal Management Element of the Comprehensive Plan in December 2014. The fourteen policies address identification of vulnerable infrastructure, development of adaptation strategies and optional mechanisms for AAAs designation. Also, added were five new definitions in the Administration and Implementation Element Section VII. Definitions, including the following terms: Priority Planning Areas for Sea Level Rise Map, Broward County; Protection; Accommodation; Managed Retreat; and Avoidance.

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Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
Goal 1: Reduce GHG Emissions by 20% below 2010 levels by 2020.			
Objective 1.1: Reduce GHG emissions from City operations by 20% by 2020.			
Action 1.1.1: Lobby for greenhouse gas emission targets at regional and state level.	**Complete**	City legislative priorities since 2011 have addressed sustainability specifically supporting issues related to greenhouse gas (GHG) emissions including energy conservation, alternative energy, alternative transportation, and environmental education. In addition, the City has developed regional partnerships through its participation in the Southeast Florida Regional Climate Change Compact which has issued a Regional Climate Action Plan and has its own legislative agenda related to GHG emissions and climate change issues.	The City plans to continue the previous year's efforts into FY 2015.
Action 1.1.2: Assign and train staff to report annual GHG inventory.	**Complete**	The Public Works Sustainability Division is responsible for managing the City's greenhouse gas inventory. In this Division, the City currently has several staff with experience and/or training in conducting greenhouse gas inventories.	The City plans to continue the previous year's efforts into FY 2015.
Action 1.1.3: Incorporate GHG emission reductions into decision-making process.	**Complete**	The City now considers Environmental Benefit as one of the 10 criteria in evaluating all projects for its Community Investment Plan (CIP). Environmental Benefit is defined in the current CIP as including energy use and sustainability issues.	In FY 2015, the City will work towards creating a green purchasing policy and creating green design and construction guidelines which will increase consideration of GHG emissions in the City decision-making process.
Objective 1.2: Reduce GHG emissions from community activities by 20% by 2020.			
Action 1.2.1: Create Climate Change Challenge Program.	**Complete**	In the Sustainability Action Plan, the description of this action item allows for creating a climate change challenge program or increasing participation in the regional Climate Change Compact and the City of Fort Lauderdale has focused on the latter. Over the last three years, the City has been a member of the Southeast Florida Regional Climate Change Compact (SFRCC) steering committee and is an active participants in several of its working groups. Through the SFRCC in 2012 Fort Lauderdale contributed to the development of the Southeast Florida Regional Climate Action Plan and adopted the SFRCC Mayor's Climate Action Pledge.	The City is a leading participant in the creation of the SFRCC Municipal Working Group.
Action 1.2.2: Assess lifecycle emissions.	**Not started**	To date, this action has not been prioritized for implementation.	
Goal 2: Improve Air Quality in Other Sectors.			
Objective 2.1: Improve offshore air quality.			
Action 2.1.1: Advocate for a statewide ban of onboard incineration on cruise ships.	**Not started**	To date, this action has not been prioritized for implementation.	

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ENERGY

Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
Goal 1: Reduce electricity Usage by 20% below 2010 levels by 2020.			
Objective 1.1: Reduce City electricity usage by 20% below 2010 baseline by 2020.			
Action 1.1.1: Implement no cost/low cost recommendations from Energy Manager priority project list.	**In Progress**	In 2012, City departments reported green initiatives that included installation of programmable thermostats, and unplugging low use computers. In 2014, the City's ISO 140001 Environmental and Sustainability Management System (ESMS) included training and signage on unplugging electrical equipment not in use at the City's two sites currently implementing ESMS.	The City's ESMS efforts will continue and expand to other facilities. In addition, the City's internal Green Team has identified Green Champions who will review energy efficiency at individual facilities. In 2015, orientation training for new employees will include information on low cost/ no cost energy savings measures such as increasing AC set points, turning off lights, and unplugging unused electronics.
Action 1.1.2: Reduce energy use in City buildings by 20% by 2020.	**In Progress**	Since 2010 the City has seen a 3.4% reduction in electricity consumption throughout City buildings and operations which corresponds to 3,649 MWH less energy used. The City is making progress towards our goal through efforts like switching the lights from conventional light bulbs to LED lights, use of variable frequency drives, and automating sleep mode for City computers.	Reductions in energy use should increase in FY 2015 and afterwards as the City moves ahead with its Energy Performance Contracting program which will reduce energy consumption through improvements financed with energy savings.
Action 1.1.3: Integrate electricity reduction goal into Capital Improvement Plan (CIP).	**Complete**	Since the FY 2013 Community Investment (formerly Improvement) Plan (CIP), the City has included Environmental Benefits as one element of its project evaluation criteria. As of the current CIP, Environmental Benefits was explicitly defined as "Whether the project would address sea level rise, flooding, energy efficiency, water quality, water efficiency or other sustainability measures." Consequently, the impact of energy efficiency is considered in every project listed in the CIP.	This CIP criteria will continue to be used for future CIPs part of the project evaluation criteria.
Objective 1.2: Reduce community electricity usage by 20% below 2010 levels by 2020.			
Action 1.2.1: Evaluate data and findings from the Smart Watts Program.	**Complete**	The Smart Watts program held 78 public workshops where more than 1,700 neighbors learned about tips for making their homes and businesses more energy-efficient. In addition, through the Smart Watts program, more than 237 rebates were issued for energy efficiency improvements and installation of renewable energy systems with each rebate averaging nearly $1,000.	
Action 1.2.2: Reach out to financial partners.	**On Standby**	At present, the City does not have formal partnerships with financial partners.	As resources become available, staff will pursue project partners.
Action 1.2.3: Devise community energy strategy.	**Not started**	The City of Fort Lauderdale does not have its own Community Energy Strategy.	As of 2015, Broward County released a county-wide Community Energy Strategy. The City continues to partner with the County and other partners on sustainability initiatives such as the Southeast Regional Florida Climate Change Compact, the Broward Water Partnership, and the Broward County Climate Action Task Force.

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Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
Goal 2: Source 20% electricity from renewable energy by 2020.			
Objective 2.1: Set Annual Goal for Renewable Energy.			
Action 2.1.1: Assess current use of solar powered systems and set goal for community.	**Not started**	To date, this action has not been prioritized for implementation.	
Action 2.1.2: Create Annual budget for solar powered applications.	**In Progress**	While the City does not have dedicated funding for solar powered applications, we have incorporated solar energy into applications and buildings. Currently, the City has installed solar powered parking meters, lighting in parking garages, pedestrian warning lighting, and sidewalk lighting in parks.	Opportunities are being identified with every construction project to incorporate sustainable practices, including solar.
Action 2.1.3: Revise regulations to encourage installation of wind powered systems.	**Not started**	As of the current date, this action has not been a priority of the City of Fort Lauderdale.	
Action 2.1.4: Test reliability of renewable energy systems.	**Not started**	As of the current date, this action has not been a designated priority of the City of Fort Lauderdale. The City does not utilize battery backup for its current renewable energy systems which could be tested for reliability.	
Objective 2.2: Create Renewable Energy Incentives for Residential and Commercial Buildings.			
Action 2.2.1: Expand financial incentives for renewable energy systems.	**On Standby**	The City's Smart Watts program provided 25 rebates for solar systems totaling $24,703.86 to Fort Lauderdale's neighbors. The program was ended when the available grant funding was exhausted.	The City is looking to Broward County's potential engagement of a Property Assessed Clean Energy program to expand financial opportunities to support energy retrofit including solar installation.
Action 2.2.2: Encourage real estate listings of renewable energy systems.	**Not started**	To date, this action has not been prioritized for implementation.	

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WATER

Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
Goal 1: Reduce Water Demand by 20% by 2020.			
Objective 1.1: Incentivize, encourage and enforce water conservation.			
Action 1.1.1: Expedited, continuing escalation of high-user potable water fees in single-family zoning.	**Complete**	City water rates are five times greater for high volume users of potable water versus low-water volume users. In 2012, City Commission adopted an ordinance establishing fixed across the board rates increases of 5% across the board each year.	Rates will continue to adjust annually.
Action 1.1.2: Implement and enforce landscape ordinance requiring low-volume/ avoidance watering.	**Complete**	A Florida-friendly Landscaping™ ordinance was proposed to amend the Landscaping and Tree Preservation requirements of the City's Unified Land Development Regulations (ULDR) and proceeded through the review and approval process.	In February 2015, the City Commission adopted an ordinance amending the Landscaping and Tree Preservation requirements of the City's Unified Land Development Regulations (ULDR) by incorporating Florida-friendly Landscaping™ (FFL) and sustainability principles to conserve the City's long-term potable water supply.
Action 1.1.3: Directly engage all large water users in long-range water resource planning and conservation.	**Complete**	The City coordinated with other large users for the corresponding required updates of their local comprehensive plans, facility work plans and ordinances following the Lower East Coast (LEC) Water Supply Plan which was updated by the South Florida Water Management District (SFWMD) and consequently, the City of Fort Lauderdale in 2013.	The ten year water supply policies in the Comprehensive Plan were updated March 2015. The SFWMD is the lead regional agency involved with long range water resource planning and there are statutory guidelines when these planning efforts need to take place and plans need updating.
Action 1.1.4: Consider innovative projects including harvesting rain water.	**Complete**	Rain barrel giveaways were completed as part of the Lauderscape Program. The program has since been discontinued.	No new projects are planned. A Rain Barrel give away program is proposed if resources become available to support this type of program.
Goal 2: Reduce and Improve Wastewater and Stormwater Treatment.			
Objective 2.1: Improve Wastewater Treatment Infrastructure.			
Action 2.1.1: Reduce inflow and infiltration.	**Complete**	As of the current fiscal year, the City has commenced a $10 million 3-year plan to reduce inflow and infiltration (I&I) in the City through improvements of the sanitary sewer system.	I&I projects are planned and funded as part of the CIP process annually.
Action 2.1.2: Study wastewater plant - solids disposal system.	**Complete**	Sludge is dewatered to approximately 18% total solids at the G.T. Lohmeyer Wastewater Treatment Plant. Solids are conveyed to dump trailers and transported to a Residuals Management Facility owned by BDS, LLC in Fort Meade, FL, a solid waste landfill in St. Cloud, FL, Okeechobee Organics Processing and Recycling Facility in Okeechobee, FL, Charlotte County Bio-Recycling Center in Charlotte County, FL, and Wheelabrator South Broward Waste-to-Energy Facility in Broward County, FL.	This issue has been studied in the past. The current disposal method is currently the City's best option.
Objective 2.2: Improve Stormwater Infrastructure.			
Action 2.2.1: Enforce policy to adhere to stormwater runoff pretreatment requirements.	**Complete**	The City follows Broward County water quality compliance requirements. Our National Pollution Discharge Elimination System permit also requires ensuring water quality of stormwater discharges.	The City will continue following and enforcing Broward County and National Pollution Discharge Elimination System requirements.
Action 2.2.2: Bio retention swales in urban areas.	**Complete**	In 2013, the City adopted a Complete Streets Manual which, among its many elements, encourages the use of natural systems, such as bioswales, to reduce stormwater flow, improve water quality, reduce urban heating, enhance pedestrian safety, reduce carbon footprints, and beautify neighborhoods.	Bioswales are included in the Stormwater Master Plan.
Action 2.2.3: Improve specific storm inlets to enhance pretreatment.	**In Progress**	Broward County pretreatment requirements are applied when designing stormwater projects. These may include improving storm inlets or not depending on project specifics and design criteria.	The City plans to continue the previous year's efforts into FY 2015.

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Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
GOAL 1: Encourage and Plan Green Buildings and Development.			
Objective 1.1: Encourage and Reward Green Buildings.			
Action 1.1.1: Amend the Unified Land Development Regulations (ULDR) to add specific requirements which promote green development.	In Progress	The City adopted an update to the City's Downtown Master Plan on February 4, 2014 to include transit oriented development (TOD) guidelines. The adopted TOD guidelines aim to create pedestrian-friendly, vibrant station areas to support the continued growth of the Downtown as a live, work, and play environment.	The next step is to prepare and adopt amendments to the City's Unified Land Development Regulations (ULDR) in order to implement elements of the TOD guidelines, such as changes to land uses, reductions in parking, and applying the Downtown Master Plan design guidelines to non-residential development.
Action 1.1.2: Lobby at State level for increased energy efficiency in the Florida Building Code.	In Progress	Building upon strategic partnerships, the City has worked collaboratively on policies with partners including Broward County, the South Florida Regional Climate Change Compact, and among various agencies at the State, National and International levels.	The City plans to continue the previous year's efforts into FY 2015.
Action 1.1.3: Develop Green Building checklist.	Initiated	The City's Department of Sustainable Development and Public Works Sustainability Division are developing an RFP for development of a future Design and Construction Manual to systematically incorporate sustainable/resiliency elements to the design and construction of Fort Lauderdale's built environment to include public investments, as identified in the City's adopted Community Investment Plan (CIP) inter-jurisdictional projects.	The City plans to continue the previous year's efforts into FY 2015.
Action 1.1.4: Expedite permitting for green building.	Not started	To date, this action has not been prioritized for implementation.	
Action 1.1.5: Encourage green or cool roofs.	In Progress	The City incorporated standard "Green Building Practices" comment and multi-modal transportation/ Bicycle accommodations comment into the Development Review Committee (DRC) standard comments template included for all future development projects: "Consider employing green building practices throughout the project including, but not limited to charging stations, tank-less water heaters, rain collection systems, pervious on-street parking, bio-swales, Florida-friendly Landscaping™ plant materials, solar panels and green roofs.	The City plans to continue the previous year's efforts into FY 2015.
Action 1.1.6: Create green building awards.	Not started	To date, this action has not been prioritized for implementation.	Staff will look for opportunities to develop or encourage green buildings.
Action 1.1.7: Promote development of vegetable gardens.	Complete	The City adopted ordinance permitting urban farms and community gardens in 2012.	Staff continue to support applicants throughout permit submittal and review process.
Action 1.1.8: Incentivize sustainable landscaping for property owners.	In Progress	The City has continued to hold quarterly tree giveaways, along with special event giveaways, to encourage sustainability practices through Florida-friendly Landscaping™ and planting to increase tree canopy.	The City plans to continue the previous year's efforts into FY 2015.
Objective 1.2: Incorporate energy efficient building and land use into Comprehensive Plan.			
Action 1.2.1: Develop and expand Greenways/Blueways network and initiatives.	In Progress	In the City of Fort Lauderdale, the A1A was identified as a greenway. The City, with the assistance of Florida Department of Transportation (FDOT), is currently reconstructing A1A from Sunrise to NE 18th Street. As part of this project the City is incorporating a 17' pedestrian path and bicycle lane. The City has also added the Flagler greenway from Sunrise Blvd. to NW 2nd Street	The City will complete the Flagler Greenway with bio-swales and permanent on-street parking to support the area businesses. Also during FY 2015 the City will begin the A1A Greenway north of Oakland Park to the northern City limits.
Action 1.2.2: Encourage infill development or reuse/ rehabilitation of existing structures.	On Standby	The Property and Business Investment Program (PBIP) is a financial incentive program that features a public sector real estate investment strategy that reduces the capital needs of viable projects and enhancing the tax base with quality projects.	This will be addressed in the newest edition of the Florida Building Code which will go in effect on 6/30/2015.

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BUILT & NATURAL ENVIRONMENT

Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
GOAL 1: Encourage and Plan Green Buildings and Development.			
Objective 1.1: Encourage and Reward Green Buildings.			
Action 1.2.3: Require future development to consider reducing demands for cooling and lighting.	**Complete**	Through the Downtown Master Plan Environment Chapter Goal 3 the City "Encourage[s] environmentally-friendly, fuel/energy efficient, 'green' building design". A specific action is to "encourage the widespread use of LEED (Leadership in Energy and Environmental Design) design standards through a strategy of 'government leading by example' in forthcoming public projects".	The City plans to continue the previous year's efforts into FY 2015.
Action 1.2.4: Incentivize and encourage increased mixed use and density.	**Complete**	In October 2013, the City Commission approved on first reading to increase the residential development allowed in the Downtown Regional Activity Center (RAC) by 5,000 dwelling units, which would bring the total allowable number of dwelling units in the Downtown RAC to 16,060. The proposed amendment will ensure that dwelling units remain available for new residential and mixed-use development projects in the Downtown RAC so that it can continue to evolve as a vibrant live, work and play environment with street level activity that will support local businesses and planned transit initiatives, such as the Wave Streetcar, All Aboard Florida and the future Tri-Rail Coastal Link commuter rail. The City adopted an update to the City's Downtown Master Plan on February 4, 2014 to which encourages increased mixed use and density.	The Broward County Planning Council recommended approval of transmitting the proposed amendment (with conditions) to the Florida Department of Economic Opportunity on January 22, 2015 at its first reading. On February 10, 2015, the County Commission approved its transmission (with conditions) to the State. Second readings by the Planning Council and County Commission are anticipated in the Spring/ Summer of 2015.
GOAL 2: Preserve and Expand Natural Spaces			
Objective 2.1: Preserve and expand coastal habitats.			
Action 2.1.1: Provide more green space in residential development.	**Complete**	The City entered into an agreement with a consultant to update its Comprehensive Plan that will include evaluating and enhancing current sustainability policies, as well as incorporating new policies throughout the plan.	The City will update the Comprehensive Plan in two phases. Phase I includes preparation of the Evaluation and Appraisal Report (EAR) of the City's current 2008 Comprehensive Plan and an update to Volume II of the Comprehensive Plan, which contains the data inventory and analysis.
Action 2.1.2: Enforce Ordinance to protect sea turtles.	**Complete**	During the 2014 sea turtle nesting season, March 1st through October 31st, the Department of Sustainable Development Code Enforcement Division addressed 50 active sea turtle lighting cases.	Code Enforcement is currently in the process of putting together our community outreach packet which will be sent to all properties along the Fort Lauderdale beach. The packet will include a cover letter, along with a copy of the ordinance and an informational pamphlet on sea turtles.
Action 2.1.3: Develop program to preserve natural beach environment.	**In Progress**	The City redesigned the A1A corridor from NE 18th Street south to Sunrise Boulevard and the portion of A1A south of Sunrise Boulevard to resurface the roadway, which will include the installation of in-ground LED/Solar lighting at crosswalks to improve pedestrian safety while protecting turtle habitat.	During FY 2015, Parks and Recreation will work with the Public Works Sustainability Division to draft a Dunes Management Plan.

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Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
GOAL 3: Improve Energy Performance in Buildings and Infrastructure.			
Objective 3.1: Make 20% of City Buildings More Energy Efficient by 2020.			
Action 3.1.1: Reduce plug load of individual electronics in all City buildings.	**In Progress**	In 2012, the Parks department reported progress in efforts to unplug computers with low use. In addition, in the last year, the City's ISO 140001 Environmental and Sustainability Management System (ESMS) included training and signage on unplugging electrical equipment not in use at the City's two sites currently implementing ESMS.	The City's ESMS efforts will continue and expand to other facilities. In addition, the City's internal Green Team has identified Green Champions who will review energy efficiency at individual facilities. In 2015, orientation training for new employees will include information on low cost/ no cost energy savings such as increasing AC set points, turning off lights, and unplugging unused electronics.
Action 3.1.2: Develop and maintain Energy Star Portfolio for all City buildings and infrastructure.	**Not started**	No action has been taken through the end of FY 2014.	In FY 2015, the Public Works Sustainability Division has initiated entries for 15 City facilities into Energy Star Portfolio Manager. In the next year, additional staff will added to take on data entry and maintaining the City's Portfolio Manager entries.
Action 3.1.3: Establish plan to retrofit 30% of all City facilities older than 20 years (based on sqft).	**In Progress**	In 2014, the City qualified four Energy Services Companies to provide energy performance contracting services which will identify and implement energy conservation retrofits in City facilities.	In 2015, these companies are expected to begin the first round of projects.
Action 3.1.4: Consider cool roofs or green roofs for City buildings.	**Complete**	The City's Green Team has considered identifying City buildings suitable for cool roofs or green roofs.	
Objective 3.2: Make 20% of residential and commercial buildings more energy efficient by 2020.			
Action 3.2.1: Require energy survey before home sale.	**Not started**	To date, this action has not been prioritized for implementation.	
Action 3.2.2: Create green homes and businesses revolving loan fund (also see Energy Chapter).	**Not started**	To date, this action has not been prioritized for implementation.	
Action 3.2.3: Implement energy efficient new public/ affordable housing projects.	**Complete**	Through the Property and Business Investment Program (PBIP), applicants are encouraged to utilize industry recognized sustainable technologies as a part of their construction program.	The City will continue to encourage and support increasing the number of newly constructed or renovated housing units and LEED certified projects, for example, by supporting LEED Gold homes Phases II and IV construction by the Fort Lauderdale Housing Authority.

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TRANSPORTATION

Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
GOAL 1: Reduce Fossil Fuel Use in Vehicles by 20% below 2010 levels by 2020.			
Objective 1.1: Reduce Use of Fossil Fuel in City Fleet Vehicles.			
Action 1.1.1: Increase fleet fuel efficiency by 20% by 2020.	In Progress	The City increased the number of hybrid low emitting vehicles purchased. The City had been tracking and recording fuel data, to include idle, fuel usage, miles per gallon comparison, miles driven. Fuel data is shared and discussed at every monthly fleet users meeting.	Fleet will implement AVL Technology and evaluate anti-idling technology. When preparing the FY2016 budget, the City will explore all opportunities to purchase low emitting vehicles. The City will continue to track miles per gallon, idle data, miles driven, fuel consumption and continue to train staff on fuel reduction opportunities.
Action 1.1.2: Include fuel efficiency and fuel source in fleet replacement analysis.	Complete	During the vehicle purchase selection process, capital cost and estimated fuel cost are compared between vehicles within the same class. The best value is recommended for purchase. The City established criteria for vehicle replacement, which considers vehicle type and size is optimal for the assigned task; the lifetime financial cost of ownership; and the lifetime fuel consumption and environmental impact.	In FY 2015, the fleet projects 32% of the vehicle replacements will be hybrids or other ultra-low emitting vehicles. When preparing the FY 2016, budget all opportunities will be explored to recommend the purchase low emitting vehicles and alternative fueled options.
Action 1.1.3: Develop strategy to reduce fleet fossil fuel usage by 1% per year.	Complete	The City developed tracking measures to determine effectiveness of the fuel efficiency program. The City currently tracks fuel consumption, idle, miles driven, comparing mpg to find opportunities for improvement and make user departments aware of the data. The City has evaluated the feasibility of implementing a fleet-sharing program.	In FY 2015-2016, Fleet Services will evaluate anti-idling technology, implement AVL technology.
Action 1.1.4: Aggressively expand replacement of City fleet vehicles with hybrid and alternative fuel, low CO2 emitting vehicles.	Complete	The City increased the number of hybrid low emitting vehicles purchased. In FY 2013, only 2% of vehicles purchased were hybrid low-emitting vehicles. During FY 2014, the City increased the previous year's number of hybrid low emitting vehicles purchased to 32%.	In FY 2015, Fleet Services projects 32% of the vehicle replacements will be hybrids or other ultra-low emitting vehicles. The City will install GPS technology in the City fleet during FY 2015 which will improve the safety of our employees, operator efficiency thru proper routing; reduce fuel use as well as wear and tear of City vehicles. When feasible, the City will continue to recommend and purchase hybrid low-emitting vehicles, and to identify grant sources and apply for available grants to support alternative fuel vehicles and emission reduction activities.
Objective 1.2: Reduce Community-Wide Use of Fossil Fuel.			
Action 1.2.1: Reduce vehicle engine idling.	In Progress	The City began to track and report engine idle during the 2nd quarter of FY 2014 and expanded the awareness of the City's idling policy with user departments.	Sustainability training will be provided to all city employees including idling policies. The City will research idle reducing technology for the City fleet that improves fuel efficiency while operating electronic devices effectively.
Action 1.2.2: Provide a community-wide infrastructure for the supply of alternative fuels.	Initiated	The City initiated this effort on November 2014 during the development of the Alternative Fuel and Fuel-Saving Technology Action Plan. The plan recommends looking for regional opportunities to share alternative fuel fueling centers, maintenance capabilities, information, and training.	The City will look for regional opportunities to share alternative fuel fueling centers, maintenance capabilities, information, and training.
GOAL 2: Reduce Vehicle Miles Traveled.			
Objective 2.1: Increase Vehicle Occupancy Rates and Encourage Programs to Reduce VMTs.			
Action 2.1.1: Expand flexible work hours and tele-commuting opportunities.	In Progress	The City's management staff are permitted to work flexible hours. Telecommuting from off-site locations is supported by the Information Technology Department's Helpdesk. The City encourages employees to contact South Florida Commuter Services (SFCS). Staff can easily register directly through SFCS to take advantage of their Emergency Ride Home and other programs.	The City plans to continue the previous year's efforts into FY 2015.
Action 2.1.2: Expand availability of parking for carpools at City facilities.	In Progress	The City is actively assessing the parking ratios throughout the City to ensure that zoning and development guidelines balance parking needs with the needs of pedestrians and planned mass transit projects, such as the Wave Streetcar and All-Aboard Florida.	The City will explore the development of multimodal levels of service standards and parking reduction policies in FY 2015.

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Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
GOAL 2: Reduce Vehicle Miles Traveled.			
Objective 2.1: Increase Vehicle Occupancy Rates and Encourage Programs to Reduce VMTs.			
Action 2.1.3: Develop car pool incentive program.	Complete	The City encourages carpooling and efforts are supported by South Florida Commuter Services (SFCS). Staff can easily register directly through SFCS to take advantage of their Emergency Ride Home and other programs.	The City plans to continue the previous year's efforts into FY 2015.
Objective 2.2: Promote and expand public transit opportunities.			
Action 2.2.1: Promote and expand initiatives to develop a mass transportation link between major destinations in the City and connections to the regional transportation network.	In Progress	The Wave Streetcar progressed into design for Phase 1 of the project. Two expansion projects are underway including a Northern Loop and links to the airport and seaport. The Sun Trolley expanded routes to include a weekend service to/from the airport to downtown for passengers that have time to spend while waiting for their flight. The Uptown Link, a mid-day service was initiated in the Cypress Creek Uptown area, linking to Tri-Rail and dining options. The Water Trolley, a free water shuttle service was established during the reporting period, and offers eight designated stops on the North and South sides of the New River.	In April 2015, the City will begin implementation of a $3.5 million Streetscape Improvement Project in the Downtown Fort Lauderdale Mobility Hub area. The City will design and construct multimodal improvements in the 4-block area aimed at providing ease of access by all modes to the transit options in the area.
Action 2.2.2: Implement program to improve mobility infrastructure for biking, walking and transit City-wide.	In Progress	The City adopted an award-winning Complete Streets Policy in FY 2014 and implemented Bike Valet services at large City events. Also adopted was the Connecting the Blocks Program, a multimodal infrastructure program, which identifies needed bicycle, pedestrian and transit improvements to establish a connected and multimodal community as called for in *Fast Forward Fort Lauderdale*.	The City will continue implementing the Connecting the Blocks Program through various funding sources including the Community Investment Program, leveraging City infrastructure programs impacting the roadway, Federal and State transportation funding programs administered by the Broward Metropolitan Planning Organization, and seeking competitive grants. Several projects are in design over the next year in preparation for construction.
Action 2.2.3: Support fixed rail projects, such as the Wave, FEC Commuter Service, or Central Broward East/West Project.	In Progress	The City, in conjunction with the Downtown Fort Lauderdale Transportation Management Association, (TMA) has redeployed the Sun Trolley Community Bus routes to improve connections to the future wave Streetcar, Tri-Rail Coastal Link and FEC All aboard Florida Network. The City has committed $10.5 million towards the Wave Streetcar Project.	The City will continue to work with partners in the completion of the initial Wave Streetcar alignments and the FEC All Aboard Florida commuter rail. The City will continue to explore potential Wave expansion projects including the Northern Loop and Sistrunk Extension.
Action 2.2.4: Fund education efforts to inform residents about sustainable transportation initiatives and local options.	Initiated	The City held its inaugural Open Streets Event in November 2014. Las Olas Boulevard from Andrews Avenue to SE 15th Avenue was closed to vehicle traffic. More than 2,500 neighbors enjoyed the one mile car-free open space for bikes, strollers, skateboarders, and more riders of all abilities to ride.	The City plans to hold Open Streets events on an annual basis. The Bicycle and Pedestrian Safety Plan will be finalized and brought to Commission for consideration in FY 2015. This plan outlines actions to improve the safety of transportation options through the five "E" strategies, education, engineering, encouragement, enforcement, and evaluation.
GOAL 3: Plan for Alternatives to Driving Opportunities.			
Objective 3.1: Plan and Support Alternative Driving Options.			
Action 3.1.1: Change land use regulations to enable alternatives to driving.	Complete	The City adopted an update to the City's Downtown Master Plan on February 4, 2014 which serves as a blueprint for the future development by guiding and promoting an active urban center with a variety of public spaces, transportation options and a mix of uses. The Plan includes new transit oriented development (TOD) guidelines which aim to create a more compact development pattern that supports transit, walking, and biking.	The City will prepare amendments to the City's Unified Land Development Regulations (ULDR) to include elements of the TOD guidelines.
Action 3.1.2: Incentivize public/ private collaboration to integrate improvements to transit, bicycle and pedestrian facilities into private developments.	In Progress	The Development Review Committee continues to work with the developers to integrate multimodal accommodations in new developments. The Connecting the Blocks Program identifies project needs within the City that may be incorporated into private developments. Staff garnered approximately $500,000 in multimodal improvements as part of development projects in the last year.	The City will explore the development of multimodal levels of service standards and parking reduction policies in FY 2015.

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WASTE & RECYCLING

Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
GOAL 1: Increase Recycling Rates by 50% by 2020.			
Objective 1.1: Double Recycling Rates in All City Departments.			
Action 1.1.1: Enhance Green Champions to implement recycling efforts.	**In Progress**	Champions were established in August 2014.	A scope of responsibilities and measureable targets will be developed.
Action 1.1.2: Determine recycling rates in each department and double efforts within 2 years.	**In Progress**	Initial service benchmarks have been obtained.	Green Champions and staff audits are to be used to determine opportunities to increase recycling at each City facility/department.
Action 1.1.3: Conduct survey to assess barriers to recycling.	**Complete**	The 2014 Neighbor Survey reflected a 81% satisfaction rating for residential recycling services and 74% agreed that single-stream recycling has reduced their total household garbage disposed.	Surveys will be conducted annually.
Action 1.1.4: Reduce paper consumption for documents by supporting paperless technologies.	**Initiated**	The City implemented the QAlert and Lauderserv applications in 2014 eliminate paper work orders and rely on paperless technology that promotes real-time updates and communications with the field.	The City will continue to evaluate other paperless technologies and platforms while continuing the distribution of wireless devices for communication.
Objective 1.2: Increase Residential Recycling Rates in the Community.			
Action 1.2.1: Convert residential curbside carts to automated carts.	**Complete**	The City delivered over 38,600 recycling carts to neighbors between June and August 2012 with an annual increase of 22% as a result.	
Action 1.2.2: Explore Pay-As-You-Throw Program.	**On Standby**	To date, this action has not been prioritized for implementation.	
Action 1.2.3: Enforce existing recycling programs.	**In Progress**	The City is redrafting Multi-Family Ordinance Language.	Final ordinance language will be considered for implementation in 2016.
Action 1.2.4: Support organic waste composting.	**On Standby**	To date, this action has not been prioritized for implementation.	
Action 1.2.5: Provide the opportunity for recycling/reuse of plant containers numbered 5 or 6.	**On Standby**	To date, this action has not been prioritized for implementation.	
Action 1.2.6: Ban or reduce single use of plastic bags.	**On Standby**	This activity is governed at the state level and local municipal ordinances do not apply	
Action 1.2.7: Beach recycling.	**Complete**	Dual cans and recycling receptacles have been implemented.	The City will evaluate solar compactor technologies and initial implementation of recycling receptacles to ensure maximum diversion of recyclables from the waste stream.
Objective 1.3: Increase Commercial Recycling Rates in the Community.			
Action 1.3.1: Non City-Event recycling.	**Complete**	To date, this action has not been prioritized for implementation.	The City will include this in a planned Special Events Manual.
Action 1.3.2: Incentivize deconstruction rather than demolition.	**On Standby**	To date, this action has not been prioritized for implementation.	
Action 1.3.3: Conduct study to increase recycling.	**Not started**	To date, this action has not been prioritized for implementation.	

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Action	FY 2014 Status*	Summary of Actions Taken through Sep. 30, 2014	Summary of Next Steps Actions Planned Starting Oct. 1, 2014
GOAL 1: Track Progress of Sustainability Efforts.			
Objective 1.1: Commit to Regular and Goal Oriented Reporting.			
Action 1.1.1: Publish annual sustainability update and progress report.	**Complete**	The Internal Support Platform of City Administration has set the stage for a leaner, smarter organization. Through development of the City's strategic plan', progress is reported annually detailing how sustainability principles are practiced in operations City-wide.	The City will publish the Sustainability Action Plan (SAP) Progress Report and begin the SAP Update in FY 2015 aligning with the City's vision and strategic plans, Southeast Florida Regional Climate Action Plan (RCAP) and Broward County's Climate Change Action Plan.
Action 1.1.2: Assure all sustainability actions are goal directed, evidence based and cost-effective.	**In Progress**	SAP actions resonate throughout *Press Play Fort Lauderdale: Our City, Our Strategic Plan 2018* among 12 inspirational Goals, 38 objectives, 191 strategic initiatives, and 142 performance indicator targets drive smart and informed decision-making.	Sustainability actions will continue to be incorporated. The SAP Update will begin in FY 2015.
Action 1.1.3: Seek advice from program administrators of successful sustainability programs.	**In Progress**	In 2014, National Oceanic and Atmospheric Administration (NOAA) training was held for staff; Urban Land Institute (ULI) Technical Advisory Panel (TAP) for Riverwalk and the Uptown development area was conducted.	The City has joined the Urban Sustainability Directors Network to learn from other successful sustainability programs.
Action 1.1.4: Adopt integrated environmental management, auditing, evaluation, and revision system.	**Complete**	The City adopted an integrated environmental management, auditing, evaluation, and revision system. Trained Environmental & Sustainability Management System (ESMS) staff to evaluate City operations for preventing pollution, reducing waste, conserving resources and using sustainable practices.	ESMS staff will be participating in an audit in FY 2015 - FY 2016

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