

Annual Sustainability Report

January 1 – December 31, 2011



*... Preserving Tampa's natural resources while
creating a sustainable future*

Mayor's Message



City Government is working constantly to improve the overall quality of life in our community and that includes preservation of our unique and limited natural resources.

Initiatives such as encouraging the use of the City's undeveloped lots for the development of public green spaces; modernization of land development codes and practices to promote urban redevelopment, create complete streets, and increase connectivity and pedestrian usability; and expansion of the reclaimed water program, will increase this great City's sense of permanence.

The City's Green Officer will continue to guide government in enhancing the conservation measures, renewable energy programs and sustainable building practices that earned the City of Tampa *Green Local Government* "Gold" status by the *Florida Green Building Coalition*.

I commend the citizen's of Tampa for their long-standing support of the programs aimed at making the City's future greener.

A handwritten signature in black ink that reads "Bob Buckhorn". The signature is written in a cursive, flowing style.

Bob Buckhorn, Mayor

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Green Spaces

Public Parks & Gardens

Curtis Hixon Waterfront Park overlooking the *Hillsborough River* with its sloping green lawn, interactive re-circulated water fountains, playground, boat docks, dog park and more, has become a well-visited green space. *Kiley Gardens*, the adjacent 2-acre checkerboard garden designed by world-renowned architect *Dan Kiley* and now restored to its awe, is also admired by many.



Curtis Hixon Waterfront Park Play Area

The celebrated *Perry Harvey Sr. Park* slated for expansion in 2012 will soon include an open-air skatepark and other modern play elements, and the *New Tampa Nature Park* to feature a one-half mile long asphalt trail connecting to *Flatwoods Park* trail system, will also serve to increase the City's live-ability factor. The Nature Park will also include a wetland overlook boardwalk, modern play elements and a nature center.

A preliminary master plan has been developed based on input from stakeholders and the community for the City's new *Julian B. Lane Riverfront Park* in *West Tampa* to begin in 2012. One of the major elements of the plan is to soften the shoreline providing opportunities for interaction with the *Hillsborough River* to include facilities to advance the tradition of rowing events on the river. A master plan is underway to renovate *Willams Park* in *East Tampa*.

Washington Street Park in the Channel District was unveiled in December 2011. This half-acre nautical-themed park has oversized sea grass sculptures, lawn area, a dog run and other amenities. The park is enhanced at night with special LED fiber optic lights imbedded into the main entry columns.

On November 2, 2011, the City 's Parks and Recreation Department was recognized for excellence in the field of parks and recreation management by becoming the 100th agency in the country currently holding national accreditation from the *Commission for Accreditation of Park and Recreation Agencies (CAPRA)*. This distinguished accomplishment was announced at the *National Recreation and Park Association (NRPA) 2011 Congress and Exposition*.

Green Spaces-cont.

In 2011, the City was honored with awards for design and sustainability for the following green spaces:

- Recognition was given by the *American Public Works Association* and *Southeast Construction* for Curtis Hixon Waterfront Park, the crown jewel in Tampa's park system.
- Restoration was recognized by the *Hillsborough County Planning Commission*, *Southeast Construction*, and the *American Public Works Association* for historic Kiley Gardens.
- Honors were given by the *Florida Native Plant Society* to USF Park on the Riverwalk and Cotanchobee Fort Brooke Park.
- Recognition was given by the *Hillsborough County Planning Commission* for renovation of *historic Seminole Garden Center* and the shoreline restoration of *Riverside Garden Park*.

Greenways & Trails

The City is working to foster its walkable and bikable urban policies using progressive infrastructure planning to create a more connected and pedestrian-friendly City. A pedestrian-friendly city is important for fostering personal health, strengthening community values, preventing crime, protecting the environment and contributing to a healthy economy.



Tampa Riverwalk along Curtis Hixon Park

The Tampa Riverwalk is a key element to revitalizing the City's urban core. This 2.6 mile multi-modal pathway stretches from the Channelside area to the North Boulevard Bridge providing safe and easy access to the myriad of downtown cultural institutions, parks and other points of interest. Of the 14 segments in the Phase I plan, nine are complete and two are under construction. The three remaining segments are designed and permitted. Wayfinding and interpretive signage was recently added to guide people along the temporary routes and to promote the education of our City's heritage.

A 10-foot wide asphalt trail designed for walkers, joggers, bicyclists and skaters is being added to the *Davis Island Trail* in 2012, increasing the length of the *Ross J. Ferlita Greenways & Trail System* to 90 miles of city-wide trails. This project will include pedestrian crosswalks, benches, pet-friendly drinking fountains, bike racks, trees and additional landscaping. The plan is for the *Ferlita Greenways & Trail* network of paved walking, jogging, skating and biking paths to eventually stretch across the City and through many of its neighborhoods.

Green Spaces-cont.

Greenways & Trails-cont.

A new Tampa Boulevard bridge is being constructed in 2012 to link the western-end of New Tampa Boulevard in the West Meadows subdivision east of I-75 with the existing northern-end of Commerce Park Boulevard in Tampa Palms west of I-75. The bridge and approaches will incorporate a five-foot sidewalk on the south side and an eight-foot wide multi-use path trail on the north side allowing neighborhood pedestrian and bicycle traffic to safely cross I-75 without having to use Bruce B. Downs Boulevard.

Green Transit

Tampa's City Hall can be accessed by transit utilizing the Hillsborough Area Regional Transit Authority (HART). Use their trip planner at <http://www.gohart.org/routes/plan/tripplanner.html> for the best route from your location. Bike racks are available on the west side of the building for those who chose this green mode of transit.

Urban Forest

The City's trees help clean the air, conserve soil and water, moderate temperatures and bring nature into our lives. For the past 29 years, the City's received "Tree City USA" designation by the *Arbor Day Foundation* for its street canopies, planting programs, and proven forestry practices.



Tampa's Urban Forest

The City conducts a *Tree Canopy Study* every 5 years in partnership with the *Tampa Bay Watershed-Forest Working Group*, a consortium that includes the *University of South Florida* and the *University of Florida*, and is slated for a study in the upcoming 2012 fiscal year. The study identifies the extent of the existing tree canopy and the potential for new trees, and provides a baseline to monitor coverage using satellite imagery. The data is used to target resources for the greatest return on investment, including reduced stormwater runoff and energy consumption. The Urban Forest reduces energy needs saving residents and businesses millions of dollars each year, and therefore reduced greenhouse emissions from power plants that are the by-product of energy production.

Green Environment

Clean City, WIN, SWEEP & Waterway Cleanup

Clean City & *Working In Neighborhoods* (WIN) are programs created to beautify thoroughfares, medians, and parkways, and reduce litter, graffiti and illegal dumping, to both restore and enhance the City's environment and improve the quality of life for citizens. Operation WIN is a new initiative that was kicked off in August 2011.

The City held its fifth annual *Clean City Day* on March 12, 2011 using five district staging sites. The City's Clean City Division along with *Friends of Clean City*, schedules this event during the *Great American Clean Up*, the nation's largest community improvement program held between March and May each year. This event also kicks-off the annual "Keep Tampa Clean Campaign."

The *Solid Waste Enhanced Environment Program* (SWEEP) provides 36 weeklong neighborhood bulk trash pick-ups each year. Over the past 5 years, SWEEP has removed 13,489 tons of bulk trash items and debris from Tampa's neighborhoods.

Additionally, the 24th Annual Hillsborough River & Waterway Cleanup hosted by the City's partner, *Keep Tampa Bay Beautiful*, was held November 19, 2011.

Urban Infill

New Urbanism & Form-Based Zoning

The City is modernizing land development codes by incorporating *New Urbanism* and *Form-Based Zoning* concepts to promote urban redevelopment. These concepts are designed to go beyond land use to address not just the physical form of buildings but also surrounding streets, blocks, and public spaces in order to create, protect, and revitalize sustainable communities. The Seminole Heights Form-Based code was adopted March 2011 with the rezoning effort slated for approval Spring 2012.



View of Tampa's Core Area

The concentration of new growth within the existing core reduces infrastructure needs, increases walk-ability and use of public transit. *Visions Plans* have been designed for historic Seminole Heights and 40th street neighborhoods towards this effort.

Green Environment-cont.

Code Changes

Code changes were adopted in May 2011 to allow for community gardens throughout the City and in 2009 to reduce use of turf area. Turf area percentages were lowered from 50% configured with a permanent irrigation system to 45% in 2009. In 2011, the allowable percentage was 35%, and will continue to decrease 5% annually until reaching 25% in 2013. The City's Community Gardens Ordinance (Ordinance 2011-62) became official May 2011. Under the ordinance, Land Development Coordination & Zoning approved the first city community garden on September 6, 2011.

Preservation of Historic Resources

The City continues to be actively engaged in the preservation of Tampa's historic resources through an approach that achieves quality urban development while respecting the architectural accomplishments of the past. Preservation of Ybor City's 1924 landmark, the *Ferlita Macaroni Factory*, is expected to be completed in fall 2011, and will house a local business offering specialty building materials and historically-appropriate replacement windows.

Awarded Sustainable Communities Challenge Grant

The City was awarded a \$1.2 million Sustainable Communities Challenge Grant by the *U.S. Department of Housing & Urban Development in 2011*. The grant will be used to develop a detailed corridor master plan for the Nebraska-Hillsborough Avenue Primary Transit Corridor that takes advantage of its location and transportation resources; provides opportunities to unify and strengthen the corridor's identity; promotes economic development, particularly in close proximity to mixed-income communities; encourages green and healthy design for new construction; strengthens cultural, social and historic connectivity along the corridor; and creates attractive pedestrian and transit-oriented places.

Mayoral Team named as one of the Daniel Rose Fellows

In September, 2011, the *Urban Land Institute Rose Center for Public Leadership in Land Use* named Tampa Mayoral Team as one of the Daniel Rose Fellows. The mayors of Kansas City, Oakland, Providence and Tampa, plus 12 additional local land use leaders from these cities, have been selected as the 2011-2012 class of fellows for the Urban Land Institute (ULI) Daniel Rose Center for Public Leadership in Land Use. The mission of the ULI Rose Center is to encourage and support excellence in land use decision making. By providing public officials with access to information, best practices, peer networks, and other resources, the Center seeks to foster creative, efficient, practical, and sustainable land use policies. The Urban Land Institute is a global nonprofit education and research institute supported by its members.

Green Environment – cont.

Water Conservation

The City ensures a superior sustainable supply of drinking water for nearly 560,000 residents using conservation programs such as xeriscaping, reclaimed water, and watering restrictions. Over the past five years, annual water demand has continued to trend downward, as a result of the City's active, comprehensive approach to water conservation and efficiency.

Long-range conservation goals include responsible stewardship of the City's water supply, limited reliance on the regional water resources to augment the City's water needs during dry periods and retaining already achieved water use efficiencies. The *Sensible Water Management Guide*, promoting water savings techniques, was released in 2011 to industrial commercial and institutional customers who consume about 40% of the supply.



C.W. Bill Young Regional Reservoir

Household Chemical Disposal

The City's Department of Solid Waste & Environmental Program Management holds annual household chemical and electronics collection days. The collection days provide residents the opportunity to safely dispose of unwanted chemicals and electronics at no charge. The most recent chemical collection day was in April, 2011.

Earth Day Celebration

The City celebrated the 41st Anniversary of Earth Day on April 19, 2011 in downtown *Lykes Gaslight Square*. Informational displays from many departments were displayed with employees on hand to help educate citizens about the many environmental programs the City offers. The celebration included musical performances by students from the *Rampello Downtown Partnership School* and the planting of a Chickasaw Plum tree cultivated by the Chickasaw Indians before the arrival of Europeans. The tree was selected because it is suited for an urban setting, will help purify the air, provide food for wildlife, conserve soil and water, and help moderate temperature.

Green Operations

Refuse-to-Energy

The *McKay Bay Refuse-to-Energy Facility* burns waste, avoiding the need for landfills. The facility operates at superior *Clean Air Act* standards, generating the equivalent of 700,000+ barrels of oil yearly, which is sold as energy to the grid for about 20,000 homes.

The City's Solid Waste & Environmental Program Management assumed operational management of the McKay Bay Transfer Station on October 3, 2011. This initiative will result in a projected \$41 million annual savings.

Solid Waste & Environmental Program Management was once again the recipient of a *Solid Waste Association of North America* bronze award for the role *McKay Bay Refuse-to-Energy Facility* plays in reducing greenhouse gases.

Recycling

The City is a leader in recycling with weekly residential and commercial collections. Over 600 tons of waste is recycled monthly for profit to include ALL plastics from grocery bags to Styrofoam (symbols #1-#7), paper products, aluminum, glass and yard waste.

The City's Public Works Department completed a 2.2 mile Construction Debris Recycling project in 2011, recycling 13,370 tons of asphalt, thereby preventing 278 tons of CO2 emissions from entering the atmosphere by avoiding trips to the land fill and consumption of new oil based products. The department also completed another approximately 1.25 mile resurfacing project on Swann Avenue from MacDill Avenue to Lois Avenue, generating 1,561 tons of recycled asphalt.

Solar Parking

The City continues to save energy with its 146 Solar Parking Pay Stations. The savings is achieved because there is no need to run conduits, power or to set up a power meter at the stations. The City also reduces its carbon footprint by using less power.



McKay Bay Refuse-to-Energy Facility

Green Operations-cont.

Electric Vehicle Stations

Through a grant program, the City received 10 electric vehicle charging stations in October 2011, at no cost, to help reduce greenhouse emissions. The stations are part of the Charge Point America program sponsored by Coulomb Technologies through the American Recovery and Reinvestment Act and the Transportation Electrification Initiative administered by the Department of Energy. The goal of the program is to provide electric vehicle charging infrastructure to regions in the US and foster the adoption and readiness of EV's throughout the country.



The Mayor Unveiling the Electric Charging Stations

The charging stations are located at the following public parking garages: Fort Brooke, Tampa Convention Center, South Regional, Twiggs Street, Centro Ybor, Palm Avenue, William F. Poe, and Jackson Street surface lot across from the municipal office building. The Charge Point program includes a data collection phase from October 2011 until October 2013; the data will be used to determine how the stations are being utilized and where additional charging stations can be installed.

Solar-Powered Trash & Recycling Compactors

The City installed four solar-powered trash compactors and two solar-powered recycling compactors in December 2010 in downtown Tampa along Franklin Street. The new compactors hold approximately five times as much waste and recyclables as a regular bin of the same size. The compactors will save money and help reduce Green House Gas emissions by requiring fewer pickups. The compactors have a wireless communication system that track the amount of waste and recyclables in each bin indicating when they need to be emptied

Alternative Fuels

The City uses clean burning B20 biodiesel fuel produced domestically from renewable resources for its vehicle fleet. Hydrocarbon emissions are reduced by 50% over diesel.

Green Operations-cont.

Energy Efficiency projects funded through the 2009 American Recovery & Reinvestment Act (ARRA)

The City received a \$3.7 million Energy Efficiency and Conservation Block Grant (EECBG) in 2009 through the AARA to implement programs aimed at reducing total energy use, improving energy efficiency in the transportation and building sectors, and creating and retaining jobs. Following are the programs completed or currently being completed:

Energy Management Systems

The City installed Energy Management Systems at Old City Hall, the Tampa Police Department and Tampa Fire Rescue headquarters to reduce electrical consumption by controlling operational hours of lighting and equipment, fresh air usage and interior space temperature. Savings range from 10% to 25% and are expected to increase by using remote monitoring capabilities to detect problems early, allowing for improved response time for remedial actions.

LED Lighting for Traffic Signals & Street Signs

All City traffic signals (480 intersections) have been converted from incandescent to LED lighting, reducing power demand by 70-80% per lamp, reducing electricity cost by about 60-70%. The City is currently working towards illuminating street signs for better visibility.

Retrofit of Parking Garage Lighting

The City has replaced inefficient lighting with energy efficient induction lights in five municipal parking garages, reducing electrical use by approximately 55% equating to an annual savings of about \$315k. Retrofitting of the downtown Whiting Garage and Police Department are currently underway.

Green House Gas Emissions Study

A Greenhouse Gas (GHG) Emission Study and Energy Efficiency and Conservation Plan (EECP) were completed in June 2011. Following the state's adopted GHG reduction target, the City has set a goal to reduce emissions back to 1990 levels by the year 2025. Sources of emissions include transportation, electricity and natural gas use, landscaping, water and wastewater pumping and treatment, and treatment and decomposition of solid waste. An inventory of GHG emissions was completed using 2009 as the base year and a projected business-as-usual emissions was computed for the year 2025 at 11,830,892 metric tons of CO₂e. To reach the target reduction, the City must offset growth by reducing emissions to 7,777,281 metric tons CO₂e. By using energy more efficiently, harnessing renewable energy to power buildings, recycling waste and enhancing access to sustainable transportation modes, thus reducing GHG, the City will keep dollars in the local economy, create new green jobs and improve community quality of life.

HVAC and Re-Roofing

Heating, ventilation, air conditioning and re-roofing upgrades have been made at various community centers, all resulting in energy cost savings.

Green Building

Fast-Track Plan Review

The City promotes LEED (Leadership in Energy & Environmental Design) standards per City Code, Chapter 17.5, to conserve energy and water, reduce emissions and improve indoor air quality. Silver-Level LEED standards will be met for the City's new *Springhill Park Community Center*, located in the *Sulphur Springs* area. The 16,000 square foot opened in 2011, facility will feature a gym, splash pad, classrooms, a sports field and other amenities.



Springhill Park Community Center in Sulphur Springs

As an incentive for using green building technologies, the City provides a Fast-Track Plan Review process to anyone planning to build a sustainable project. Green design strategies include recycling construction and demolition waste, using recycled material in concrete, using Forest Stewardship Council (FSC) Certified Wood for framing, installing graywater system, installing Energy Star-qualified windows, and using renewable flooring materials. The City continues to require green and sustainable items into its Request for Proposal for participation in the Neighborhood Stabilization Program and as part of the affordable housing design standards.

The City also encourages builders and developers to exceed the minimum requirements for energy efficiency of the *Florida Building Code* by sharing information on training, tools and resource efficient development such as the *National Association of Home Builders* "Guide to Developing Green Builder Programs;" the *Florida Green Building Coalition's* "Green Trends" annual conference; and achieving LEED accreditation through the *Florida Gulf Coast Chapter* of the *U.S. Green Building Council*.

Green Business

Green Business Designation

The City continues its partnership with the *Sustany Foundation* to award businesses a "Green Seal" designation to help promote their environmentally responsible practices to the community. The Tampa Green Business Designation Program aims to help companies strengthen their bottom line through operational efficiencies; enhance their recognition as a local business and leader in sustainability through various venues; leverage their marketing edge over their competition; and improve the morale, safety and health of their employees.



Green Collaboration

USF's Student Green Energy Fund Technical Advisory Group

The City's Green Officer Thomas Snelling served on *USF's Student Green Energy Fund Technical Advisory Group* in October 2011. The group, chaired by Director of the Office of Sustainability Dr. Christian Wells, awarded four grants from the Fund in 2011 totaling \$277,000 for conserving energy, reducing energy costs, lowering greenhouse gas emissions and promoting renewable energy technologies. The Fund was approved by a student referendum authorizing a \$1.00 charge per credit hour to support a USF-Tampa Campus Clean Energy Initiative.

Workgroup on Energy Management and Sustainability

One of the City's Urban Planners, Towanda Anthony, represents the City on the *Hillsborough County Workgroup on Energy Management and Sustainability* formed in 2009. The workgroup, currently chaired by Commissioner Mark Sharpe, focuses on improving energy efficiency in county government operations and exploring alternative fuel vehicles that could result in improved fuel efficiency and environmentally friendly transportation in Hillsborough County.

Continuing Long-Term Initiatives

Green Spaces

Public Parks & Gardens

The City will continue to develop master plans for community green spaces with input from all stakeholders.

Greenways & Trails

The City will continue to foster its walkable and bikable urban policies using progressive infrastructure planning to create a more connected and pedestrian-friendly City.

The Tampa Greenway and Trails Master Plan increases public access to recreational and non-motorized transportation opportunities. The system is designed to link parks, schools, transit bus systems, waterfront areas, and places of cultural and historical significance. The master planning process is citizen-driven and led by members of the community including local neighborhoods, businesses, community organizations and public agencies.

Urban Forest

The City will continue to strive for “Tree City USA” designation by the *Arbor Day Foundation* for its street canopies, planting programs, and proven forestry practices. The City will also continue to conduct a *Tree Canopy Study* every 5 years to identify the extent of the existing tree canopy and the potential for new trees.

The City will work to amend current ordinances to protect neighborhood trees from damage from inappropriate tree trimming and planting.

Green Environment

Clean City, WIN & SWEEP

The City will continue its *Clean City & Working In Neighborhoods* (WIN) programs to beautify thoroughfares, medians, and parkways, and reduce litter, graffiti and illegal dumping, to both restore and enhance the City's environment and improve the quality of life for citizens.

The City will continue its Solid Waste Enhanced Environment Program (SWEEP) providing 36 weeklong neighborhood bulk trash pick-ups each year, as well as *Clean City Day* kicked-off by the annual "Keep Tampa Clean Campaign", held each year in March in conjunction with the *Great American Clean Up*, the nation's largest community improvement program.

Urban Infill

New Urbanism & Form-Based Zoning

The City will continue to modernize land development codes by incorporating New Urbanism and Form-Based Zoning concepts to promote urban redevelopment within the existing core, thereby reducing infrastructure needs, increasing walk-ability and the use of public transit.

Preservation of Historic Resources

The City will continue to be actively engaged in the preservation of Tampa's historic resources through an approach that achieves quality urban development while respecting the architectural accomplishments of the past.

Awarded Sustainable Communities Challenge Grant

The City will continue development of a detailed corridor master plan for the Nebraska-Hillsborough Avenue Primary Transit Corridor using a \$1.2 million Sustainable Communities Challenge Grant from the *U.S. Department of Housing & Urban Development* received in 2011.

Mayoral Team named as one of the Daniel Rose Fellows

The Tampa Mayoral Team, name one of the *Daniel Rose Fellows*, will continue to work with the *Urban Land Institute Rose Center for Public Leadership in Land Use* to determine the best sustainable land use policies for the City.

Green Environment-cont.

Water Conservation

The City will continue to ensure a superior sustainable supply of drinking water for residents using conservation programs such as xeriscaping, reclaimed water, and watering restrictions.

Sustainable Landscape Design education

The Hillsborough County Extension, Water Resources Services and Tampa Bay Water will be offering workshops on Sustainable Landscape Design Basics starting January 2012, to include Florida-Friendly Landscaping, landscape design principles and themes, sustainable landscape materials and other design concepts.

Energy Efficiency

The City will work to implement recommendations from the Mayor's Citizen-TECO Energy Conservation Task Force:

- The City and TECO seek funding sources to support aggressive, community outreach programs for low income residents.
- Implement a targeted marketing strategy to encourage more landlords and property owners to make energy efficient improvements using TECO and City rebates & grants.
- Review the feasibility of requiring Section 8 rental housing to have standard weatherization and ceiling attic insulation improvements as a condition for entering a HAP contract.
- Collaborate with TECO in expanding current energy conservation education programs.
- Develop a Neighborhood Energy Audit / Weatherization Roll-Out Program.

Household Chemical Disposal

The City's will continue to hold its annual household chemical and electronics collection days providing residents the opportunity to safely dispose of unwanted chemicals and electronics at no charge.

Earth Day Celebration

The City will continue to hold an annual Earth Day celebration to help educate citizens about the many environmental programs the City offers.

Green Operations

Refuse-to-Energy

The City will continue to operate the *McKay Bay Refuse-to-Energy Facility* at superior *Clean Air Act* standards, and sell the generated energy back to the grid.

Recycling

The City will continue its residential and commercial recycling programs and the recycling of asphalt when paving new roads to reduce CO2 emissions and the consumption of new oil based products.

Solar Parking Stations & Solar Recycling Compactors

The City will continue to pilot and implement innovative energy saving programs such as Solar Parking Pay Stations and Solar Recycling Compactors.

Electric Vehicle Stations

Utilize the data collected from the Charge Point program from October 2011 until October 2013 to determine how the stations are being utilized and where additional charging stations can be installed.

Alternative Fuels

The City will continue to use clean burning B20 biodiesel fuel produced domestically from renewable resources for its vehicle fleet, which reduces hydrocarbon emissions by 50% over diesel.

Energy Efficiency projects through the 2009 American Recovery & Reinvestment Act (ARRA)

The City will complete the energy efficiency projects outlined in the \$3.7 million Energy Efficiency Block Grant (EECBG) received through the AARA in 2009. Projects: Energy Management Systems, LED Lighting for Traffic Signals & Street Signs, Retrofit of Parking Garage Lighting, Green House Gas Emissions Study and HVAC and Re-Roofing.

Green Operations-cont.

Green House Gas Emission Reduction

A Greenhouse Gas (GHG) Emission Study and Energy Efficiency and Conservation Plan (EECP) were completed in June 2011. Following the state's adopted GHG reduction target, the City has set a goal to reduce emissions back to 1990 levels by the year 2025.

Sources of emissions include transportation, electricity and natural gas use, landscaping, water and wastewater pumping and treatment, and treatment and decomposition of solid waste. The dollars saved will be calculated solely based on fuel savings.

Reduction measures recommended in the EECP Plan to achieve this goal are as follows:

Energy Reduction Measures-41.5%

Renewable Energy goal of 25% by 2025

Residential Energy Efficiency Retrofits

Commercial Energy Efficiency Retrofits

Solid Waste-2%

Waste Reduction goal of 12% by 2018

No Waste Sent to Landfill

Area Source-1.5%

Electric Landscaping Equipment in New Developments

Transportation-54%

Smart Growth Planning

Tampa Bay Area Regional Transportation Authority (TBARTA) Master Plan

Expand Use of Low/Zero Emission Vehicles

Bicycle Infrastructure

Encourage Telecommuting and Alternative Work Schedules

Water & Wastewater-1.2%

Conservation Efforts

Green Building

Fast-Track Plan Review

The City will continue to promote LEED (Leadership in Energy & Environmental Design) standards to conserve energy and water, reduce emissions and improve indoor air quality.

The City will continue to offer a Fast-Track Plan Review process to anyone planning to build a sustainable project as an incentive for using green building technologies. The Fast Track Review will be particularly critical in encouraging the implementation of the following reduction measures: energy efficient design features, renewable energy systems, electric landscaping infrastructure, and the telecommuting and alternative work schedules. These are in addition to the Gas House Gas reducing features already included in the Fast Track Review checklist.

The City will also continue to require green and sustainable items into its Request for Proposal for participation in the Neighborhood Stabilization Program and as part of the affordable housing design standards.

Green Business

Green Business Designation

The City will continue to partner with the *Sustany Foundation* to award businesses a “Green Seal” designation to help promote their environmentally responsible practices to the community.

Green Collaboration

Workgroup on Energy Management and Sustainability

The City of Tampa will continue to have representation on the Workgroup on Energy Management and Sustainability to improve energy efficiency in government operations.