

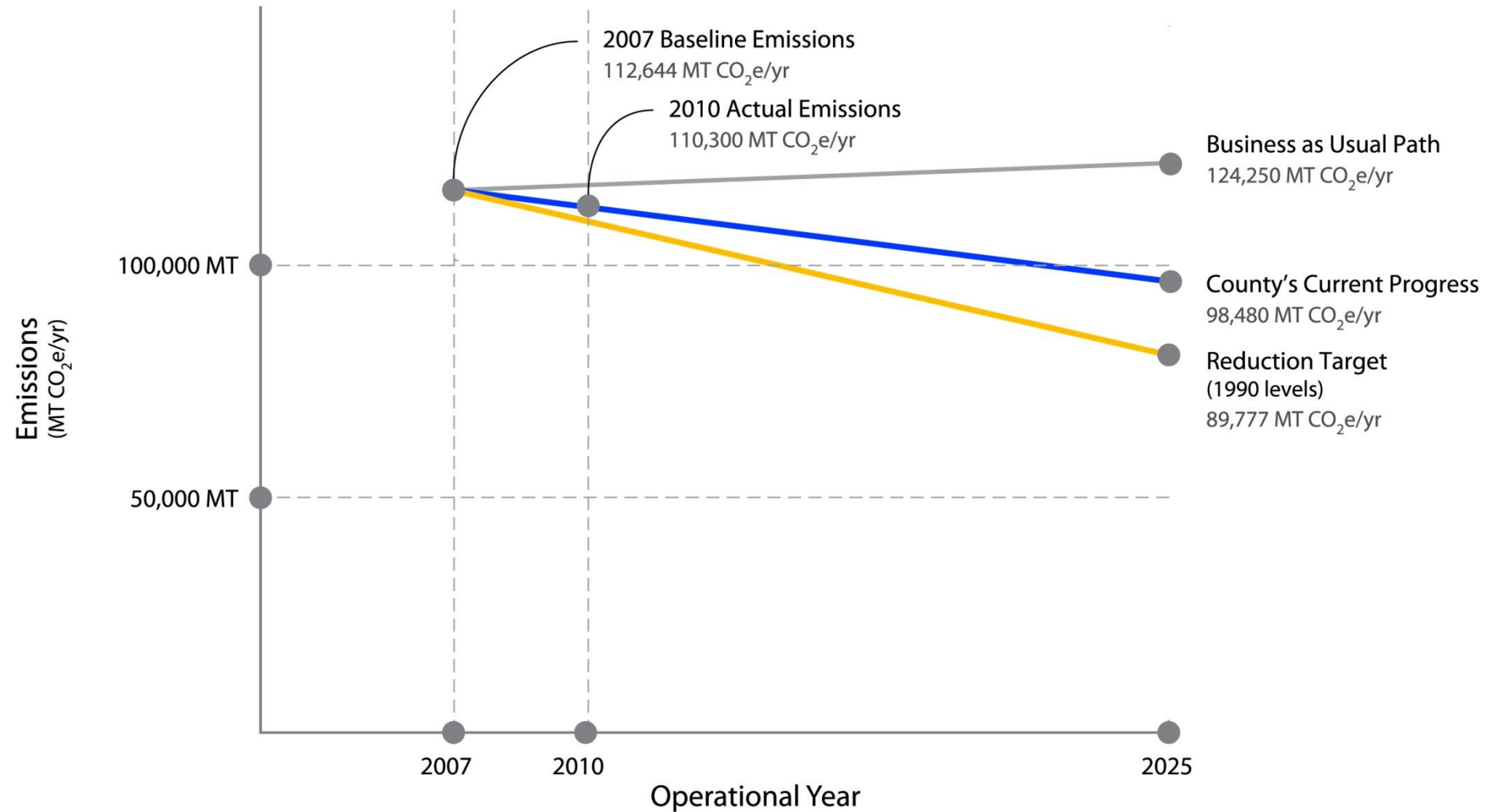


Volusia County Sustainability Action Plan

February 2014



Reduction goal



Since we began retrofit projects in 2011 we have saved:

1,488,378 kWh
of electricity

\$222,477.24

3,479,300 gallons
of water

\$17,203

Sustainability Goals



Provide a Healthy **Economy**



Maintain a Healthy **Environment**



Promote a Healthy **Community**



Encourage Efficient **Transportation** and **Community Design**



Conserve Water and Promote **Water Efficiency**



Conserve Energy and Promote **Renewable Energy**



Reduce Waste and Promote **Recycling**



Provide a Healthy **Economy**

Accomplishments

- Green Volusia workshops for hoteliers
- County website to promote recreational, and entertainment experiences (SportsVolusia.com)

Potential future projects

- Host green events in partnership with *Green Lodging*, *Clean Cities*, and other organizations
- Promote green building design and renovation



Maintain a Healthy **Environment**

Accomplishments

- Management and operational plans for conservation lands.
- Educational programs about the connection between ecosystem services and quality of life.

Potential future projects

- Implement the habitat management plans.
- Adopt restrictions on fertilizer application to reduce surface and ground water pollution.
- Convert septic systems to central sewer.
- Create education curricula to train the trainers.



Promote a Healthy Community

Accomplishments

- Silver Certified Green Local Government through FGBC
- Award winning trail system
- “Volusia Fun and Fit”
- Diversified opportunities for exercise on county lands

Potential future projects

- Finish trail systems.
- Remove regulatory barriers that prohibit community gardens.
- Partner with the Health Department and School District to promote healthy lifestyles.



Encourage Efficient Transportation and Community Design

Accomplishments

- Decreased fleet size and consumption.
- Green Volusia eliminated 7,206 lbs of CO2 by promoting carpooling.
- Votran operates 19 hybrid electric busses.
- SunRail to begin service in 2014.

Potential future projects

- Expand transportation options.
- Promote existing carpool and vanpool services
- Implement Smart Growth principles for walkable communities



Conserve Water and Promote **Water Efficiency**

Accomplishments

- County facility water savings: 3,479,300 gallons of water.
- Conservation pricing to reduce potable water used for irrigation.
- Expanded re-use systems.

Potential future projects

- Complete water audits in county facilities.
- Partner with cities and SJRWMD to expand re-use availability.
- Develop landscape standards reduce the need for water.



Conserve Energy and Promote **Renewable Energy**

Accomplishments

- \$1.2 million in energy improvements to county facilities (grant funded)
- Automated building controls at 12 county buildings to monitor energy consumption
- The county operates 27 hybrid vehicles (fuel reduction = 23,065 gallons from 2012 -13)

Potential future projects

- Coordinate with utility providers for energy audits at additional facilities
- Upgrade to energy efficient equipment during routine equipment replacement
- Increase flex fuel vehicles



Reduce Waste and Promote **Recycling**

Accomplishments

- 2012 – 43% recycling rate
- Expansion of landfill gas to energy network at Tomoka Landfill
- Waste audits to commercial businesses

Potential future projects

- Waste composition study to identify additional recycling sources
- Enhance materials inventory management for recycling/reuse
- Design started for Citizens Convenience Center to include recycling

Implementation



- Annual Work Plan and Progress Reports
- Identify long term priorities
- Identify grant funding
- Update the GHG assessments in 2015, 2020, and 2025