

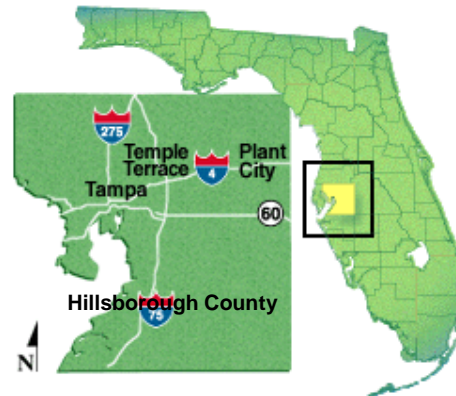
Are you thinking about ...

- ◆ **Sustainability** - A global concept that includes an economical, social and environmental balance that meets the needs of the present without compromising the ability of future generations to meet their needs.
- ◆ **Saving Money** - Sustainable development can save *everyone* in the county money. By conserving resources, existing infrastructure will last longer, decreasing replacement costs.
- ◆ **Green** - Sustainability means including the environment in decision making.
- ◆ **Traffic** - Congestion costs money, time and productivity. Sustainable development encourages alternative forms of transportation and is an integral part of efficient land use planning. Providing easy access to multi-modal transportation can reduce vehicle miles traveled and improve air quality. Encouraging transit oriented development is sustainable and increases property values.
- ◆ **Parks** - Sustainable development encourages public parks which create spaces for walking and areas for neighbors to gather. Open green areas decrease the heat island effect.
- ◆ **Jobs** - Sustainability encourages economic diversity in employment, high paying jobs, and increased community value.
- ◆ **Water** - Is there enough? How much will it cost? By incorporating simple conservation practices like Florida Friendly landscaping and water conserving fixtures, there can be enough.



Working Together for a Sustainable Future

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Hillsborough County is unique and as such has unique environmental, economic, and community concerns. Planning for a future that embraces resource efficiency, energy, water, and natural resources can differentiate the area and attract clean green jobs, green businesses and improve the value of the community. Sustainability can be achieved through community education and incentivizing low impact development and resource conservation within new development and redevelopment.



Sustainability

Can Save Money

Implementing Sustainable
Development in Our Community



What is Sustainable Development?

A livable and economically diverse community with enhanced value.

A community that balances the needs of the people, economics and the environment.

Implementing sustainable development and planning helps the community ensure resources are available for future generations. These opportunities include high paying jobs, affordable homes, reliable community services, as well as parks, preserves, and clean waterways.

Sustainable development balances economic growth with environmental preservation and societal benefits.

How Can Sustainable Development Save Money?

Individuals and taxpayers can save money because sustainable development encourages and incorporates conservation.

- Save by conserving water and energy.
- Reduce vehicle miles traveled (saving gas and reducing greenhouse gas emissions) by providing services close to home and work.
- Increase population without extending additional infrastructure.

Sustainable and low impact development can improve water quality and save money.

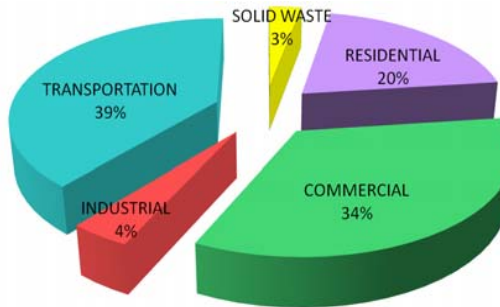
Case Study: 44 acres, 80 lots



Using decentralized stormwater retention systems such as rain gardens and natural depressions instead of traditional large retention ponds saved up to \$500 per lot and improved stormwater quality.

The total savings for this project was \$40,000

In order to be a sustainable county it is important to recognize where energy is being used today...



Opportunities to save energy

- Convenient services and multi-modal transportation can mean shorter trips and fewer cars on the road
- Florida Friendly landscape reduces water demand
 - it takes about 60,000 gallons of water per year to irrigate 1,000 square feet of grass
 - the energy needed to withdraw and deliver 60,000 gallons of water is equal to 480 gallons of gas

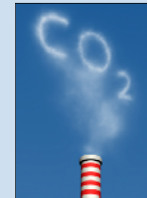
Sustainable development reduces vehicle miles traveled and greenhouse gas emissions.

Sustainable development encourages services and employment located close to home.

If 1% of county residents reduced vehicle miles traveled by 10 miles a day, they could save a total of:

2,190,000 gallons of gas

21,243 tons of Carbon Dioxide (CO₂)



Green Certified Commercial Buildings

- The average cost increase to achieve the minimal LEED Certification level is 0.7%

Trees and Shading

- Urban heat islands (areas with asphalt and concrete and without shading) can increase the local air temperature by 1.8°—5.4°.

The average commuter in Tampa Bay spends an extra 46 hours per year sitting in traffic

If 10% of county residents experience this delay

- This equals 520,000 gallons of gas and 4,380 tons of CO₂ emissions



If every American home replaced one light bulb with an Energy Star qualified bulb, energy savings could light more than 3 million homes for one year, save more than \$600 million in annual energy costs, and prevent the greenhouse gas (GHG) equivalent to the emission of 800,000 cars.

Changing an incandescent bulb to a compact fluorescent saves \$11 per year (assuming a single bulb runs 3 hours per day).

