

GreenWorks 2012



**Municipal Operations
SUSTAINABILITY PLAN**



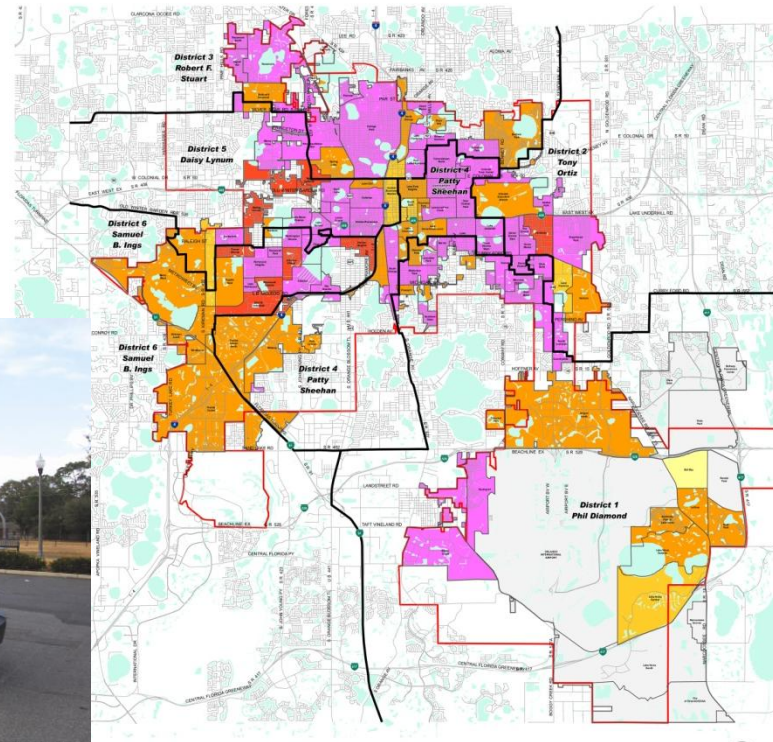


GreenWorks Update

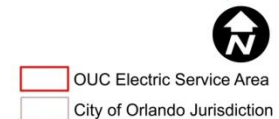
Energy Efficiency and Conservation Block Grant

- Green Neighborhood Program

Residential Energy Intensity



Annual Average Neighborhood KWH Usage



Data Compiled by City of Orlando, Residential City
Source: Orlando Utilities Commission, 2008 Year Usage 2008
Orange County Property Appraiser, 2008 Land Use Data
September, 2009: M090902009



GreenWorks Update

Energy Efficiency and Conservation Block Grant

- Green Neighborhood Program
- Energy Efficiency Upgrades





GreenWorks Update

Energy Efficiency and Conservation Block Grant

- Green Neighborhood Program
- Energy Efficiency Upgrades
- Electric Vehicles





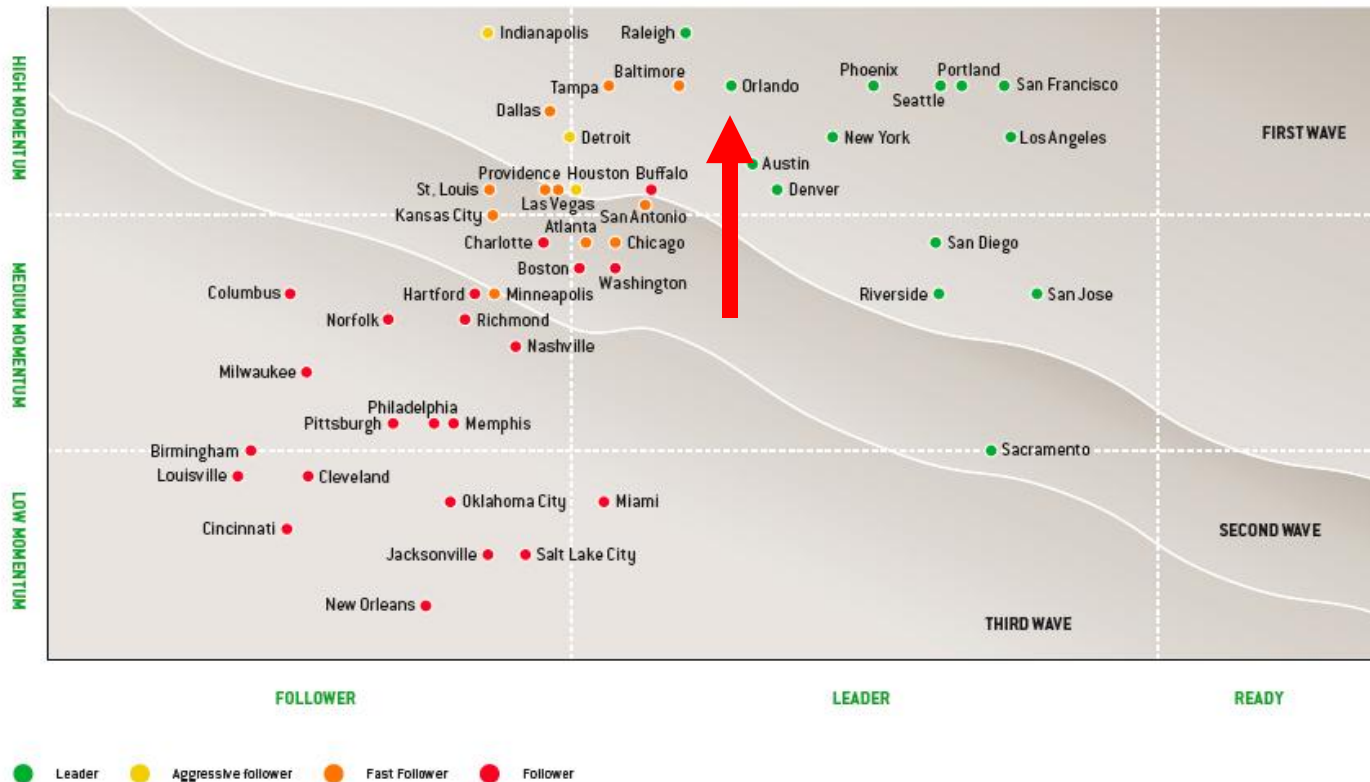
GreenWorks Update

Energy Efficiency and Conservation Block Grant

- Green Neighborhood Program
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- Electric Vehicles



Electric Vehicle Charging Stations

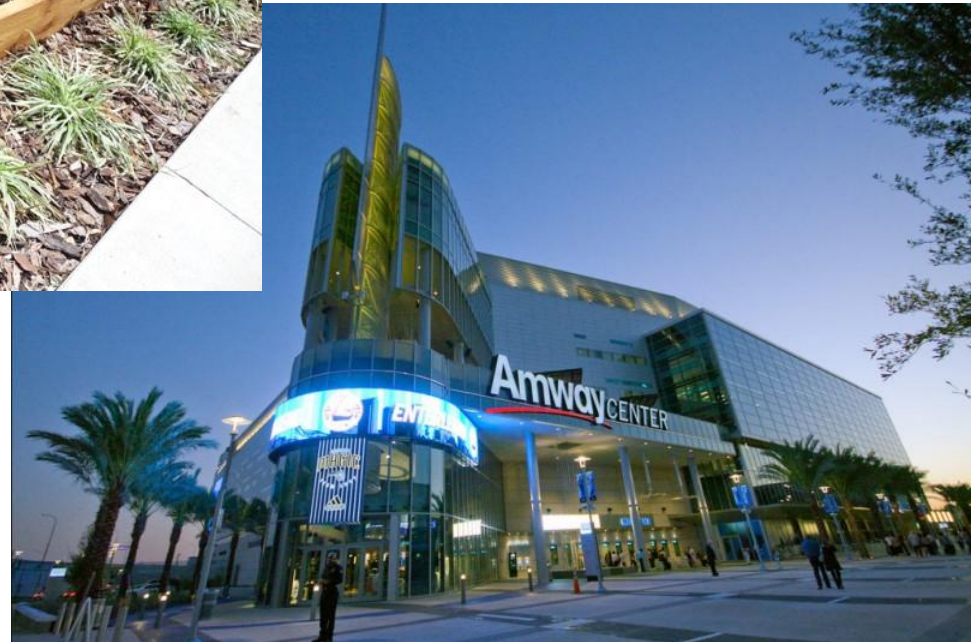




GreenWorks Update

Energy Efficiency and Conservation Block Grant
Electric Vehicle Charging Stations

Green Buildings



Announcing “GreenWorks 2012”

What is it?

A sustainability plan for the City’s government operations

A plan that establishes 9 measurable goals to be reached by 2030

A plan intended to transform Orlando into one of the most environmentally–sustainable governments in the United States.





GreenWorks 2012

What is it?

Why did we do it?

Build upon the existing GreenWorks plan by establishing more concrete goals and objectives. The Plan provides clearer direction for future investments and policy changes.





GreenWorks 2012

What is it?

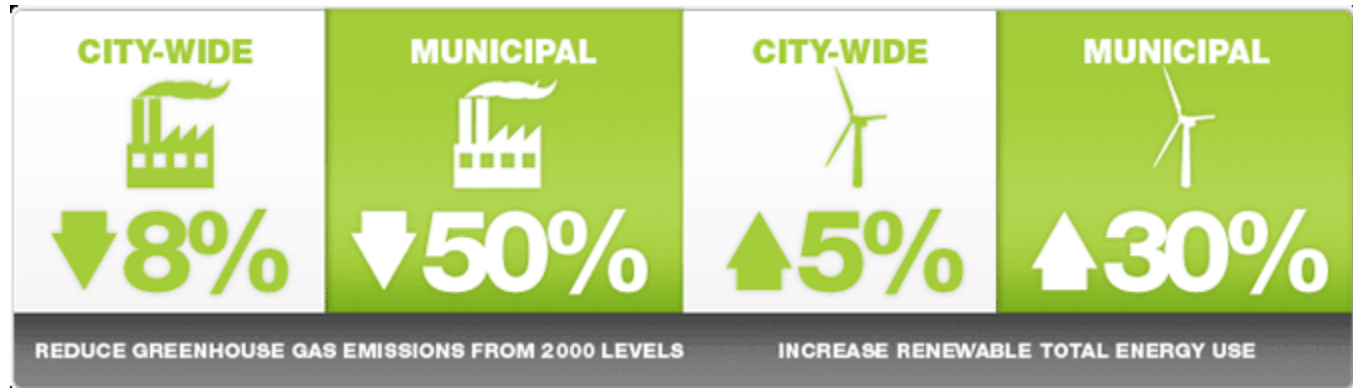
Why did you do it?

What will it do?

Lays framework to reinvent government by:

- Producing savings through strategic investment,
- Eliminating adverse environmental impacts produced by government operations,
- Promoting a more sustainable marketplace

Establishes measurable benchmarks





GreenWorks 2012

What is it?

Why did you do it?

What will it do?



Who Was involved?

Key staff from nearly every Department and Division

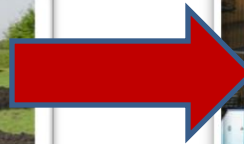
Goal 1: Greenhouse Gas Neutral by 2030

Objective:

- Reduce greenhouse gas emissions 15% by 2017

Notable Initiative:

- Fully develop super-critical water oxidation



Goal 2: Ensure that City-funded buildings meet green building standards

Objective:

- 10 additional buildings meet green building standards by 2017

Notable Initiative:

- Goal of LEED certification for City Hall



Goal 3: 100% of municipal electricity comes from renewables by 2030

Objective:

- 5% of electricity derived by renewables by 2017

Notable Initiative:

- Install 2MW of solar by 2017
- Perform energy upgrades to 40 buildings



Goal 4: 50% reduction in municipal use of potable water by 2030

Objective:

- Reduce potable water use 40% by 2017

Notable Initiative:

- Weather-based irrigation sensors installation



Goal 5: Run the City fleet by 100% renewable sources by 2030

Objective:

- Reduce fossil fuel use 25% by 2017

Notable Initiatives:

- Produce biofuel out of brown grease
- Pilot hybrid garbage trucks



Goal 6: Ensure that most employees commute to work by clean sources

Objective:

- Achieve 20% of employees arriving by clean sources by 2017

Notable Initiative:





Goal 7: 100% of municipal materials meet environmentally-preferential purchasing and disposal standards

Objectives:

- Ensure 50% of materials purchased follow EPP guidelines by 2017
- 50% reduction in paper consumption by 2017
- 60% recycle rate at all City facilities by 2017

Notable Initiative:

- Expand recycling at parks and along streets



Goal 8: 95% of potential street tree spaces contain living trees by 2030

Objectives:

- Plant a net 4,000 street trees by 2017
- Convert 5 facilities to native landscaping

Notable Initiative:

- Develop a successor to the 10,000 Tree Initiative



**10,000 TREES
INITIATIVE**
CITY OF ORLANDO



Goal 9: All city staff and public officials are engaged in making Orlando a more sustainable community

Objectives:

- Introduce bi-annual education and staff training for new City staff
- Begin tracking and promoting opportunities for City staff

Notable Initiative:

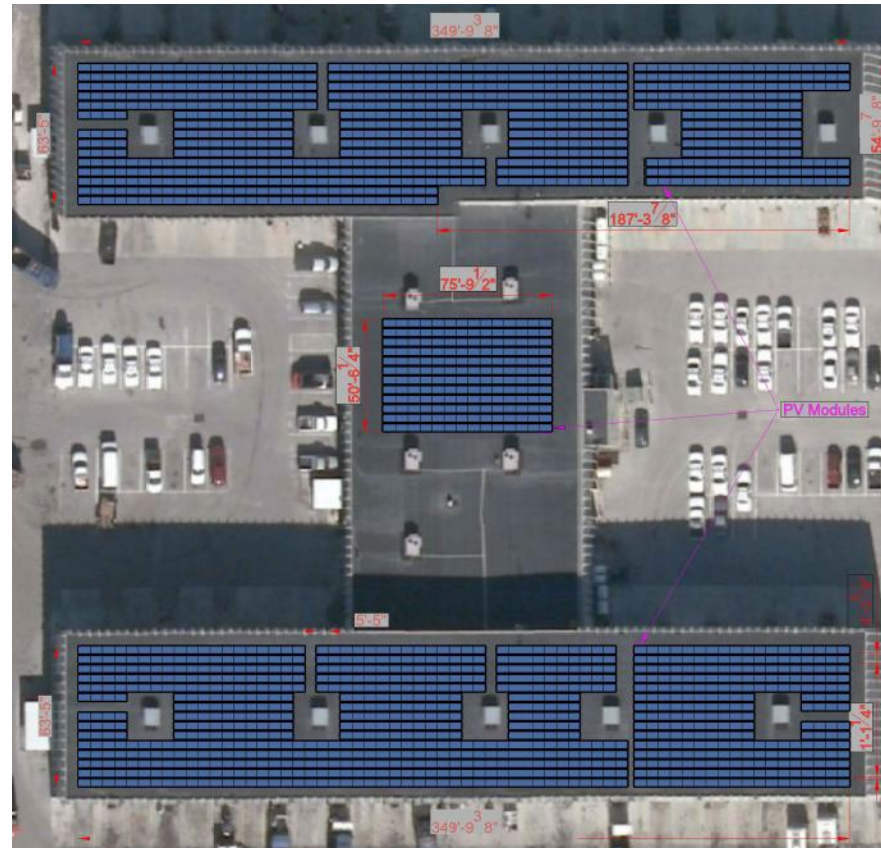
- Develop a staff green champions network





Moving Forward

- Solar on the Fleet Garage
- Community sustainability envisioning plan





QUESTIONS?

