

# Florida

Energy Resiliency Strategy

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Project Briefing

October 8, 2012

Tampa Bay Regional Planning Council

# Funding Partners

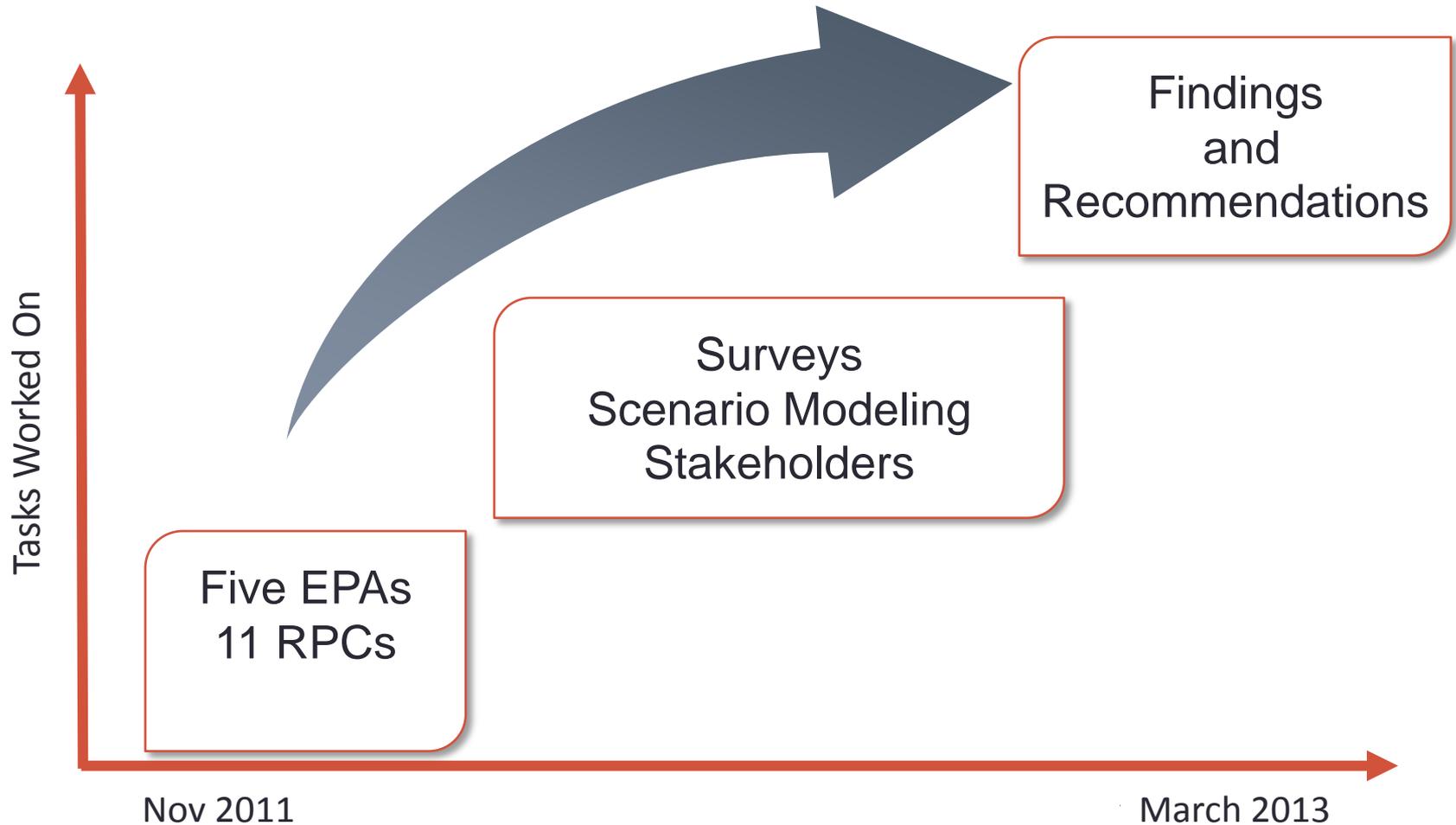
- Economic Development Administration
  - Oil Spill Funding
  - Energy Resiliency
    - Mitigation, diversity
- Florida Energy Office
  - Energy Assurance
    - Post event response
    - Work with DEM on EFS-12



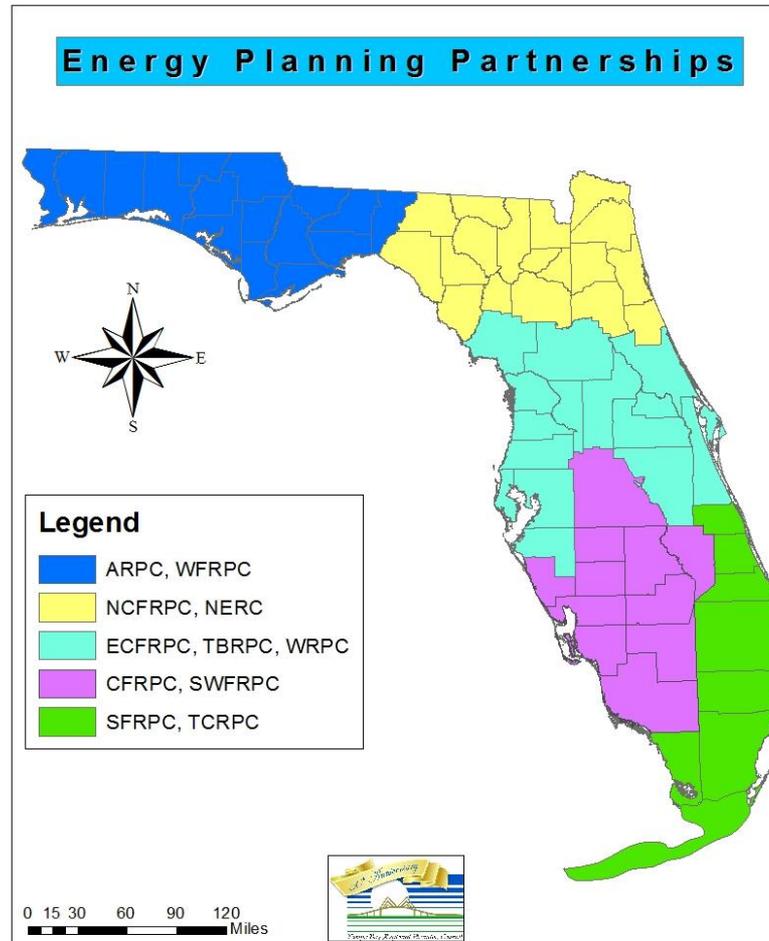
# Objectives of the Study

- Energy Resiliency Strategies
  - Diversification of energy source
  - Reduce reliance on foreign imports
  - Increase use of domestic sources
  - Job creation from domestic energy usage
    - Alternatives, renewable, local sources traditional sources
- Outcomes
  - findings and recommendations
  - customized by EPA when applicable
- Process details
  - Survey
  - Scenarios
  - Research
  - Stakeholder input

# Basic Process Overview



# Energy Planning Areas



# ENERGY SURVEY RESULTS

## Florida Regional Councils Association



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## Purpose

- This study examines individuals' reactions to a broad range of energy issues including conservation, investment in energy saving devices, motivations for conserving energy, impact of energy cost increases on lifestyle, and government policies affecting energy.

## Methodology

- Population definition
  - All households in the following areas: EPA 1, EPA 2, EPA 3, EPA 4, & EPA 5
  - Person most knowledgeable about energy issues
- Sampling frame
  - All working cellular and landline telephone numbers
- Sample size
  - 750 in total study
  - 150 in EPA 1
  - 150 in EPA 2
  - 150 in EPA 3- East Central + Tampa Bay + Withlacoochee
  - 150 in EPA 4
  - 150 in EPA 5
- Sampling error (given a 95% confidence interval)
  - 3.6% points in total study
  - 8.0% points for each EPA
- Data collection
  - Telephone interviews conducted from Kerr & Downs Research's office using CATI system
  - Conducted in May & June 2012

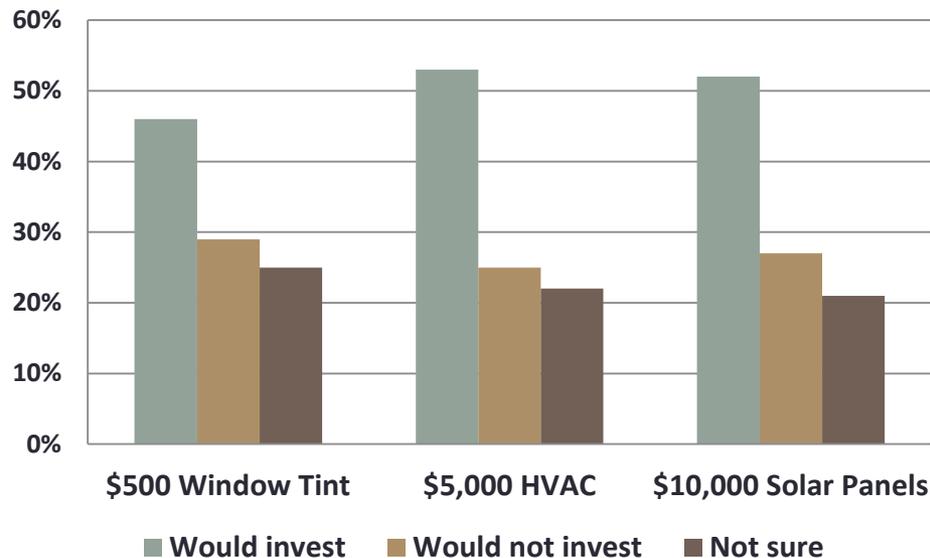
## Payback periods for energy saving investments

- **\$500 Window Tinting:** Of those who would invest, many Residents (19% state, 22% EPA3) and Businesses (9% state, 12% EPA3) would need a **2-5 yr.** payback period to invest
- **\$5,000 HVAC:** Of those who would invest, many Residents (27% state, 37% EPA3) and Businesses (11% state, 10% EPA3) would need **5 yrs.+** payback period to invest
- **\$10,000 Solar Panels:** Of those who would invest, many Residents (25% state, 22% EPA3) and Businesses (11% state, 13% EPA3) would need a **1-5 yr.** payback period to invest

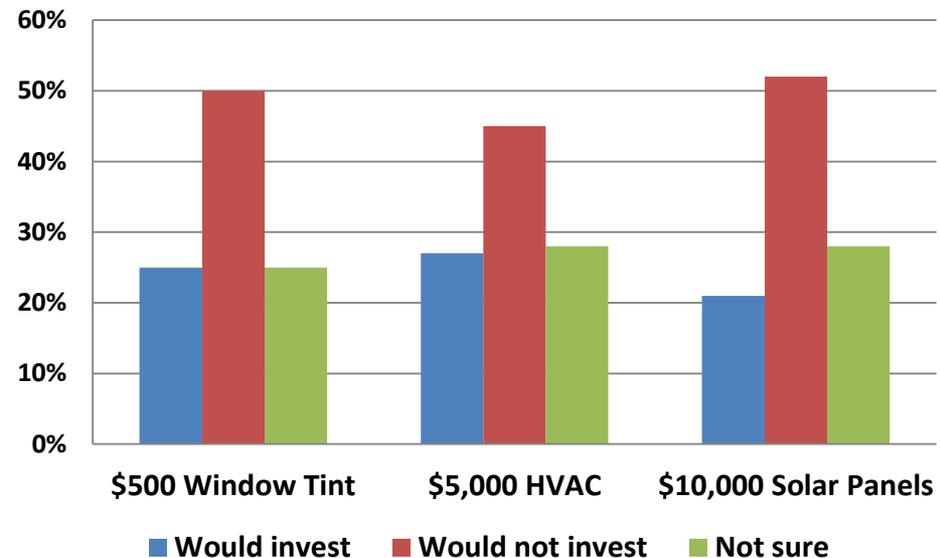
Note: Homeowners and Businesses that own their buildings are more willing to invest in all energy saving equipment than those who lease; individuals on long-term leases are slightly more likely to invest than individuals on short-term leases.

# Payback periods for energy saving investments

## Residential Surveys



## Business Surveys



Note: Homeowners and Businesses that own their buildings are more willing to invest in all energy saving equipment than those who lease; individuals on long-term leases are slightly more likely to invest than individuals on short-term leases.

# Scenarios Modeling

- **Natural Gas price increase and disruption**
- **Gas price increase and disruption**
- RPS
- Private Energy Market
- **Alternative Energy Substitution**
  - Residential
  - Commercial
- Transit Development
- Biofuel Production
- Electric Cars Scenario Development Update

\* Plan to share the scenarios in **bold** at workshops

# Workshop Format

- Presentation
  - Project Scope and Purpose
  - Survey Results
  - Scenario Modeling Results
- Stakeholder Participation
  - We plan to use interactive polling
    - Some representative questions from the survey(s) to compare and discuss.
    - Feedback on scenarios

# Workshop Schedule

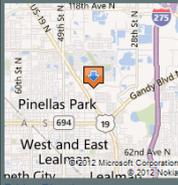
- August 13 – Gainesville
- August 29 – Jacksonville
- October 23- Hollywood
- **October 29 – Pinellas Park, 1:30 to 3:30, TBRPC**
- October 30 – Bartow
- November 1 – Ocala
- November 3 – Fort Myers
- November 7 - Orlando
- November 15 – Panama City

# Know Someone we should Invite to the Workshop?

- Give a staff person their email
- or send email to [avera@tbrpc.org](mailto:avera@tbrpc.org) or [patrick@tbrpc.org](mailto:patrick@tbrpc.org)
- Or forward your invitation if you received one

**Energy Resiliency Workshop**  
October 29, 2012

**Where:**  
Tampa Bay  
Regional Planning Council  
100 Gateway Centre Blvd.  
Suite 110  
Pinellas Park, FL 33782



**When:**  
Monday, October 29, 2012 from  
1:30 PM to 3:30 PM EDT  
[Add to my calendar](#)

**Dear William,**

Having affordable and reliable energy is critical for Florida's economy. Florida's Regional Planning Council's in Florida, in association with the U.S. Economic Development Administration, the Florida Office of Energy and others are reviewing energy issues in their regions and collecting recommendations for goals, strategies and measures to be assembled into a statewide energy resiliency strategy.

Join the Tampa Bay Regional Planning Council on Monday, October 29, 2012 to learn more about the Florida Energy Resiliency Strategy and discuss economic findings in modeled scenarios such as:

- Natural Gas Price Spike
- Gasoline Price Increase and Disruption
- Alternative Energy Substitution

If you have not, please take a couple of minutes to complete the Florida Energy Survey by [clicking here](#).

Please RSVP your attendance by clicking below to register.

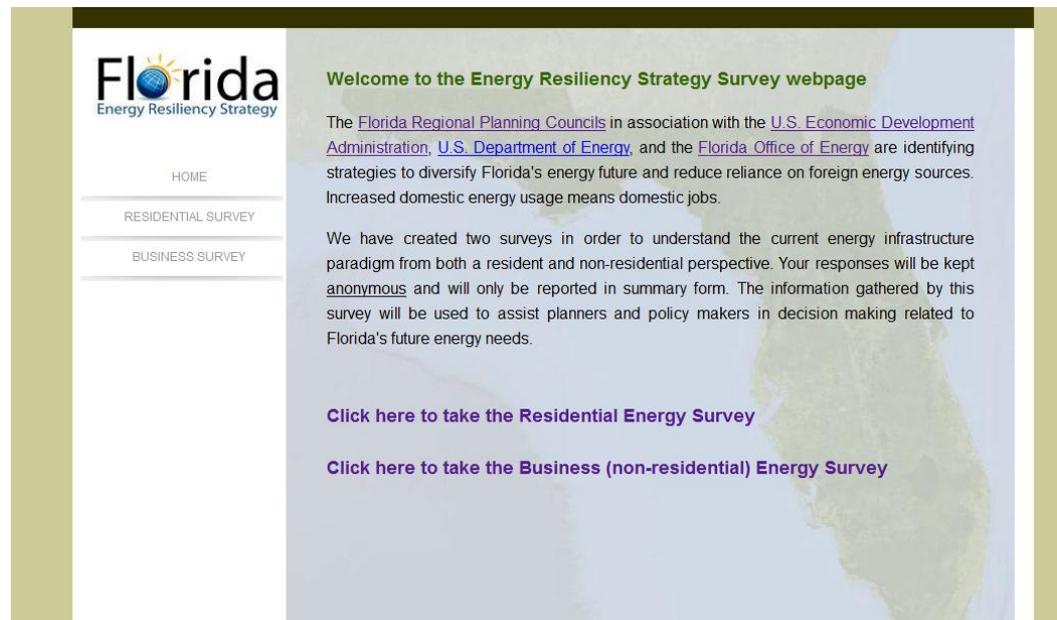
[Register Now!](#)  
I can't make it

[Forward email](#)

Link to forward invitation

# Take the on-line survey

[www.Florida-Energy.org](http://www.Florida-Energy.org)



**Florida**  
Energy Resiliency Strategy

HOME

RESIDENTIAL SURVEY

BUSINESS SURVEY

**Welcome to the Energy Resiliency Strategy Survey webpage**

The [Florida Regional Planning Councils](#) in association with the [U.S. Economic Development Administration](#), [U.S. Department of Energy](#), and the [Florida Office of Energy](#) are identifying strategies to diversify Florida's energy future and reduce reliance on foreign energy sources. Increased domestic energy usage means domestic jobs.

We have created two surveys in order to understand the current energy infrastructure paradigm from both a resident and non-residential perspective. Your responses will be kept anonymous and will only be reported in summary form. The information gathered by this survey will be used to assist planners and policy makers in decision making related to Florida's future energy needs.

[Click here to take the Residential Energy Survey](#)

[Click here to take the Business \(non-residential\) Energy Survey](#)