
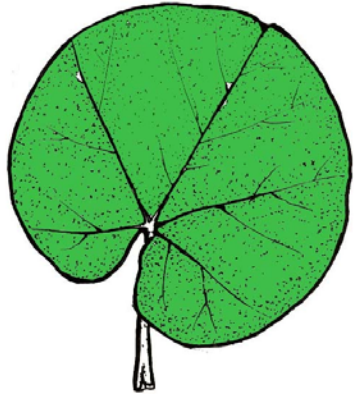


## NAPLES CITY COUNCIL AGENDA MEMORANDUM

Regular Meeting Date: June 17, 2009

Agenda Section: Regular	Prepared By: Michael R. Bauer, Natural Resources Manager Date: May 29, 2009 Department: City Manager	
Agenda Item: 10	Legislative <input checked="" type="checkbox"/> Quasi-Judicial <input type="checkbox"/>	
<b>SUBJECT:</b> Approval of the Energy Savings Action Plan developed by the City of Naples Energy Task Force.		
<b>SUMMARY:</b> City Council is asked to implement, by motion, the Energy Savings Action Plan compiled by the Energy Savings Task Force. After presentation of the results of a City-wide energy audit, City Council authorized the establishment of an Energy Savings Task Force. That group created an Energy Savings Action Plan that proposes a number of actions. Staff now seeks authority to implement those actions.		
<b>BACKGROUND:</b> In 2007, City Council authorized the Mayor to sign on to the U.S. Mayors Climate Protection Agreement. That Agreement encourages all signatories to analyze energy consumption and greenhouse gas emissions, and to develop plans for reducing both.  The City carried out an energy audit of buildings, vehicles, lighting, the sewer and water system, and waste disposal processes in order to create an energy accounting of its operations. Data was analyzed within residential, commercial, industrial, transportation, and waste sectors. After presentation of the results of a City-wide energy audit, City Council authorized the establishment of an Energy Savings Task Force. The Task Force was comprised of the City Manager, City Department Directors, and other City employees tasked with looking into ways to reduce energy consumption.  In November 2008, the Energy Savings Task Force began a six month period of identifying practical, cost effective and logistically feasible ways to reduce City operating costs related to energy use. The Task Force considered both behavioral and structural modifications, examined actions that could be taken by individual employees, and concluded with an assessment of potential City-wide projects. The end point was the creation of an Energy Savings Action Plan.  At the heart of the Energy Savings Action Plan is a list of recommended measures that elucidate the next steps to take in order to implement the plan. As a part of these activities, the City may also want to establish reduction targets for energy use as measured by greenhouse gas emission reductions. A proposed initial goal could be a 1% reduction in greenhouse gas emissions per year. A further step would be to expand the energy saving plans and actions into the community and identify ways residents and businesses can also reduce their energy use.		
<b>RECOMMENDED ACTION:</b> Motion to implement the recommendations made by the City of Naples Energy Savings Task Force as outlined in the Energy Savings Action Plan.		
Reviewed by Department Director Roger Reinke	Reviewed by Finance N/A	Reviewed by City Manager A. William Moss 
Council Action:		



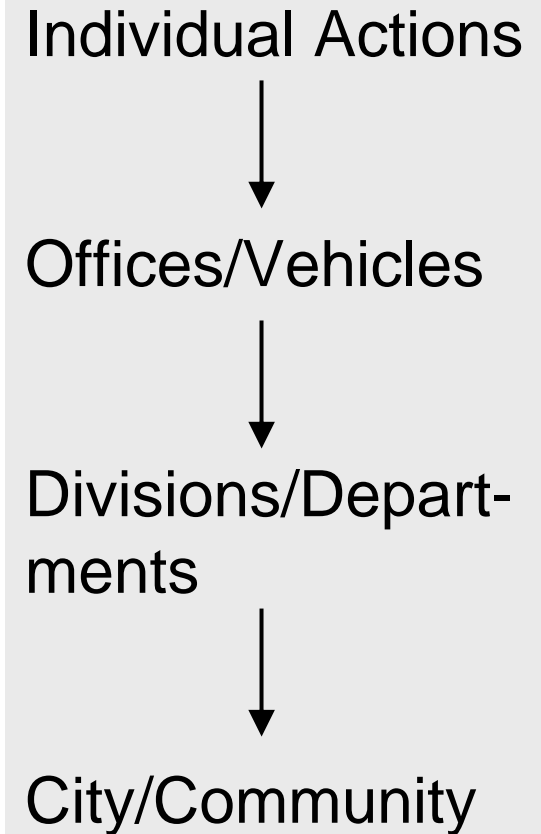
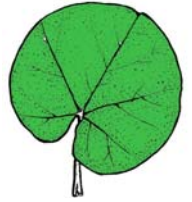
# City of Naples Energy Savings Action Plan

Dr. Mike Bauer, Natural Resources  
Cloe Waterfield, Twentyfifty  
*June 17th, 2009*

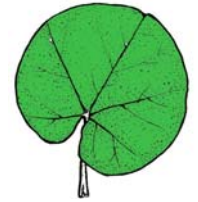


# Background

- GHG Inventory (2006) completed for the City in 2008
- Energy Savings Task Force Established
- To identify practical, low cost ways to reduce energy use, save money and minimize GHG emissions



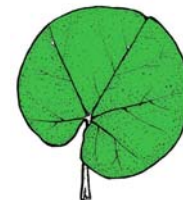
# Rationale



- Over \$3.5 million in electricity costs, 2008
- Nearly \$1 million in fuel (FY 07-08)
- +/- 30 staff positions lost
- U.S. Mayors Climate Protection Agreement
- Governor Crist “Florida is the most vulnerable state in the nation to sea level rise”
- Leading by example - the green jewel of southwest Florida



# Energy Savings Action Plan

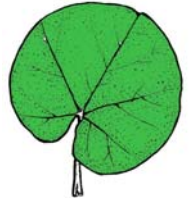


- Incorporates new and existing efforts
- Savings (\$350,000) and GHG reductions (1216 MT or 5.2%) per emission sector



- Key finding: while leadership is imperative, there is incredible existing value in the City's staff

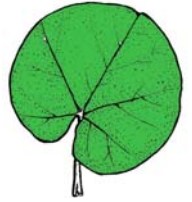
# Buildings



- Climate control (76°F/68°F)
- Shutdown procedures
- Space consolidation
- Energy efficiency retrofits
- City Hall
- HVAC upgrades



# Commute



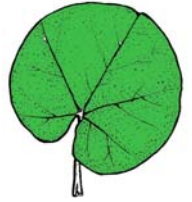
- Commuter Services program
- Four-day work week

# Street lighting

- Twelfth Avenue pilot
- Fifth Avenue South re-design



# Fleet

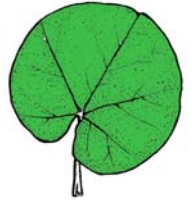


- Vehicle reductions
- No-idling policy
- Preventative maintenance
- Driver education
- Fleet management
- Alternative fuel?





# Waste



- Office waste management
- Construction materials recycling
- Water bottles
- Printing

