



### Implementation Table

The Implementation Table contains actionable and measureable initiatives designed to achieve our 2015 sustainability goals. As *GreenPrint* is the umbrella for many existing plans, existing sustainability initiatives are included when deemed critical to accomplishing the goal area strategy. Other initiatives were developed through the planning process to address specific sustainability challenges or to expand on strengths. The Planning Process and Acknowledgements chapters highlight that our effort to identify and develop initiatives has been collaborative. It represents the culmination of work completed by the Mayor's Sustainability Advisory Board, the Interdepartmental Team, the Climate Change Advisory Task Force, community stakeholders, cities, the Southeast Florida Regional Climate Change Compact partners, and of course the core planning team. Miami-Dade County is the implementation lead on many initiatives and others are owned by community stakeholders.

#### The Implementation Table is organized by each *GreenPrint* Goal Area

The table presents information for each initiative such as the lead entity and partners (internal or external to Miami-Dade County government), funding scenarios, legislative action needed, key five-year milestones, impact on carbon emissions or the value of carbon storage, and performance indicators and targets. It is our action plan and will be used to monitor progress and determine success.

#### Mutually Beneficial and Inter-related Goals

The sustainability pillars are overlapping. Benefits in one goal area are often inter-related with benefits in another. Although there are seven different goal areas, the plan is holistic and the order of the goals is purposeful...starting with strong leadership, connections, and commitment to ultimately creating healthy communities. Each area contributes to a solid foundation for the Climate Change Action Plan to adapt and reduce our greenhouse gas emissions. Plans are important, but implementation is crucial for a sustainable Miami-Dade County.





# Climate Change Action Plan

Initiative	Lead & Partners	Funded and Unfunded Costs Capital      Operating	Funding Sources	New Legislative Action	Milestones	Emissions Impact	Performance Indicators and Targets
<b>STRATEGY: Track local and regional climate change indicators and trends</b>							
<b>126. Track local and regional indicators and trends such as sea level rise, temperature, precipitation and tropical storms</b>	<b>Lead</b> SE FL Climate Change Compact  <b>Partners</b> Department of Environmental Resources Management (DERM) Water and Sewer Department (WASD), NPS, US Geological Survey (USGS), South Florida Water Management District (SFWMD), National Oceanic Atmospheric Administration (NOAA), Office of Emergency Management (OEM) Universities	Within existing resources	Within existing resources	No.	<b>Year 1:</b> Assemble indicators and trends	Indirect impact	TBD through implementation
<b>127. Conduct a pilot project to assess the feasibility of using existing monitoring efforts and determine if the information can be used as vital signs of climate change</b>	<b>Lead</b> Department of Environmental Resources Management (DERM)  <b>Partners</b> Water and Sewer Department (WASD), National Park Service (NPS), US Geological Services (USGS), South Florida Water Management District (SFWMD)	Within existing resources	Within existing resources	No.	<b>Year 1:</b> Assemble an interagency team to review ongoing environmental monitoring efforts in south Miami-Dade and conduct a pilot program to track climate change related patterns or trends on a local scale using data identified and indicators chosen	Indirect impact	TBD through implementation
<b>128. Develop consensus-based graphic communication tools from the pilot project reporting the monitoring data such as</b>	<b>Lead</b> Department of Environmental Resources Management (DERM)  <b>Partners</b> Water and Sewer Department (WASD),	TBD as a result of the pilot study	TBD	No.	<b>Year 2:</b> December 2012 complete graphics	Indirect impact	TBD through implementation



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Initiative	Lead & Partners	Funded and Unfunded Costs Capital      Operating	Funding Sources	New Legislative Action	Milestones	Emissions Impact	Performance Indicators and Targets
maps, bar graphs, "spotlights"	National Park Service (NPS), US Geological Services (USGS), South Florida Water Management District (SFWMD)						
<b>129. Develop a working group to analyze potential climate change related to public health impacts (for example, infectious disease changes, heat related illness)</b>	<b>Lead</b> Miami Dade County Health Department (MDCHD), Epidemiology, Disease Control, and Immunization Services Program  <b>Partners</b> Division of Environmental Health and Engineering  Academia partner	Within existing resources :The initiative requires a commitment of 4 work group members for 2 hours each week, starting August 9, 2010 to August 5, 2011. Pending supervisory approval, each work group member is expected to commit time to the initiative in addition to their normal work duties	No funding sources have been identified; however, potential funding requirements and opportunities will be explored	No	<b>Year 1:</b> Organize group and develop work plan	Indirect impact	TBD through implementation
<b>130. Report periodically on the status of climate change indicators and trends</b>	<b>Lead</b> National Oceanic Atmospheric Administration (NOAA)  <b>Partners</b> Office of Sustainability (OOS), Department of Environmental Resources Management (DERM), SE Fl Regional Compact, South Florida Water Management District (SFWMD)	TBD through implementation		No	<b>Year 2:</b> Produce report	Indirect impact	TBD through implementation
<b>STRATEGY: Develop local and regional climate change scenarios depicting various impacts and time frames</b>							
<b>131. Develop local and regional sea level rise scenario maps</b>	<b>Lead</b> Southeast Florida Regional Climate Compact Partners  <b>Partners</b> Dept. of Environmental Resources Management (DERM) National Oceanic	TBD during the planning process			<b>Year 1:</b> Work with partners to analyze and reconcile data <b>Year 2:</b> Complete maps	Indirect impact	Achievement of milestones



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Initiative	Lead & Partners	Funded and Unfunded Costs Capital      Operating		Funding Sources	New Legislative Action	Milestones	Emissions Impact	Performance Indicators and Targets
	Atmospheric Administration (NOAA), South Florida Water Management District (SFWMD), US Geological Survey (USGS)							
<b>132. Develop planning maps and tools for Miami-Dade County based on consensus of SE FL Climate Change compact planning scenarios</b>	<b>Lead</b> Department of Environmental Resources Management (DERM)  <b>Partners</b> Dept. of Planning and Zoning (DPZ) Enterprise Technology Services Dept. (ETSD), Office of Emergency Management (OEM), South Florida Water Management District (SFWMD), National Oceanic Atmospheric Administration (NOAA), US Geological Survey (USGS), Compact partners	TBD during the planning process		TBD through implementation	No	<b>Year 1-2:</b> Use local and regional climate change data and models to develop planning scenarios  <b>Year 3-5:</b> Develop planning maps and tools for local decision makers	Indirect impact	Achievement of milestones
<b>133. Continue existing local surface water, ground water and salt water intrusion modeling projects, incorporating expected climate change impacts (i.e. changes in temperature, precipitation, sea level rise, etc.) and integrating with regional water</b>	<b>Lead</b> Water and Sewer Department (WASD)  <b>Partners</b> US Geological Survey (USGS)		\$49,158.50/year (O&M)  Total \$2,769,513 (6 years)	WASD departmental revenues	No	<b>Year 1-2:</b> Complete (3) modeling scenarios with completed integrated model  <b>Year 3:</b> Publish peer reviewed report and publically release model code	Indirect impact	Achievement of milestones



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Initiative	Lead & Partners	Funded and Unfunded Costs		Funding Sources	New Legislative Action	Milestones	Emissions Impact	Performance Indicators and Targets
		Capital	Operating					
modeling projects from the South Florida Water Management District and other SE FL Climate Change Compact partners								
<b>STRATEGY: Integrate future climate change impacts into community and government decision-making for capital, operational, and land-use issues</b>								
<b>134. Analyze sea level rise scenario maps to model buildable/livable footprints and correlate economic scenarios</b>	<p><b>Lead</b> County Executive Office (CEO) Department of Planning &amp; Zoning (DPZ) Office of Economic Development (OED)</p> <p><b>Partners</b> Department of Environmental Resources Management (DERM) Water and Sewer Department (WASD) Office of Sustainability (OOS) Enterprise Technology Services Department (ETSD) Community leaders</p>	Initially within existing resources TBD during the planning process	TBD during the planning process	No	Pending development of maps	Indirect impact	Achievement of milestones	
<b>135. Examine the implications of sea level rise on vulnerable facilities (i.e. solid waste facilities, and water and wastewater utilities)</b>	<p><b>Lead</b> County Executive Office (CEO) Office of Capital Improvements (OCI) Office of Sustainability (OOS)</p> <p><b>Partners</b> Department of Environmental Resources Management (DERM),</p>	Within existing resources	Within existing resources	No	<p><b>Year 1 - 2:</b> Appropriate County departments (determined by OOS) will evaluate/estimate impact of minimum 1 ft. sea level rise on responsibilities and operations (Incl. geographic, economic, &amp; sociologic &amp; maps)</p> <p><b>Year 1 - 2:</b> Based on above, determine</p>	n/a	Achievement of milestones	