



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.





Healthy Communities

Initiative	Lead & Partners	Funded and Unfunded Costs Capital Operating	Funding Sources	New Legislative Action	Milestones	Emissions Impact	Performance Indicators and Targets
STRATEGY: Facilitate active and safe lifestyles for residents through the Open Space Master Plan and other community initiatives							
112. Implement the Open Space Master Plan (OSMP)	Lead Miami-Dade Parks Department (MDPR) Partners Miami-Dade Public Works Department (MDPWD)	Year 1 milestones : \$529,000 Year 2-5 milestones: TBD	Year 1 milestones: Communities Putting Prevention to Work (CPPW) Grant	No	Year 1: Begin implementation of Strategies of the CPPW Grant including: 1. Complete the Park and Open Space and Recreation Activities Access and Equity Evaluation and Measures 2. Improve Urban Design Manual Volume I (Private Development), Pattern Book, Safe Routes to Parks (SRTP) and Way-finding Signage. 3. Improve the Urban Design Manual Volume 2 (Public Development) Years 2-5: Continue implementation of the OSMP: 1. Identify new areas to be designated for greenways, trails, and bicycle lanes, and update the North Miami-Dade Greenway Master Plan and South Miami-Dade Greenway Network Master Plan and the CDMP to include such greenways. Including designation of Western Greenway. 2. Develop a plan for protecting and preserving designated Environmental Zones (Eco Zones) & Cultural Zones.	Indirect impact	Achievement of milestones (See OSMP)



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113. Promote and develop biking activities such as the City of Miami Bike Days	Lead Metropolitan Planning Organization (MPO) Partners Parks, municipalities, OOS, GIC, Miami Bike Scene, Emerge Miami, South Florida Bike Coalition, Green Mobility Network, other private organizations	Funding agreements vary Costs vary by event; informal events may have no costs; large events like Bike Days cost approximately \$30,000 for street closures, security, etc.	Funding agreements vary	No.	Year 1: Identify interested parties; develop information sharing / promotional approach. Explore developing additional programs. Year 2 – 5: Implement and follow-up	Indirect impact: May lead to residents shifting vehicle trips to walking and bike trips	Number of events Targets to be determined through implementation
114. Explore tax incentives for bicycle commuting	Lead Metropolitan Planning Organization (MPO) Partners GSA, HR, OOS, South Florida Commuter Service	Program development: Within existing staff and resources Implementation of tax incentives: dependent on number / extent of employees using incentives	Implementation of tax incentives: Tax benefit funded by federal govt. Additional benefits funded by employer	No.	Year 1: Evaluate feasibility for Miami-Dade County workforce Year 2-5: Implement and promote incentives to municipalities, private sector	Indirect impact: May lead to employees shifting vehicle trips to walking and bike trips	Number of County employees using benefit; Number of employers providing benefit Targets to be determined through implementation
115. Improve safety for pedestrians and bicyclists through legislation and enforcement of traffic laws (e.g. anti-distracted driving laws, red light cameras, etc.)	Lead Metropolitan Planning Organization (MPO) Partners Police, Intergovernmental Affairs	Planning and advocacy: within existing staff and resources Implementation of red light cameras: TBD depending on specific technology used	Traffic fines, ad valorem revenue	Yes – local red light camera laws, state legislation on distracted driving	Year 1: Research best practices and develop recommendations for new legislation Year 2-5: Put forth recommendations to BCC, State; implement and enforce if adopted	Indirect impact: May lead to residents shifting vehicle trips to walking and bike trips	Annual: Bike injuries: <365 Bike fatalities: <8 Pedestrian injuries: <1,200 Pedestrian fatalities: <64
116. Increase safe walking, bicycling and driving behaviors through educational, public awareness and social marketing programs (for example, 'Share the Road,')	Lead Metropolitan Planning Organization (MPO) Miami-Dade Police Department (MDPD) Partners Police, Government Information Center (GIC), University of Miami Miller School of Medicine	Miami Dade Police Department (MDPD) pedestrian safety program: Within existing staff and resources; no new funding needed	County Unincorporated Area General Fund; possible Florida Department of Transportation (FDOT) pedestrian safety grants; Federal Safe Routes to School funds; US Department of Health and Human Services Communities Putting	No.	Year 1: Explore program needs and best practices to increase safe behaviors. Continue to serve all public/private schools in unincorporated Miami Dade through the MDPD pedestrian safety program; continue to provide pedestrian safety	Indirect impact: May lead to residents shifting vehicle trips to walking and bike trips	Number of residents reached through MDPD pedestrian safety program: 219,000 October 2009 – August 2010 Number of schools served in



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		Capital	Operating					
WalkSafe, BikeSafe programs, Walk to School Day, Bicycle month)				Prevention to Work (CPPW) initiative (Miami Dade Health Department is grantee; has subcontracted with UM)		outreach to senior centers and faith based organizations, at special events, etc. Year 2-5: Implement		MDPD pedestrian safety program: Target is 100% of schools in UMSA Bike injuries: <365 Bike fatalities: <8 Pedestrian injuries: <1,200 Pedestrian fatalities: <64
117. Increase participation in the "Safe Routes to School" program and provide school crossing guards at elementary schools	Lead Metropolitan Planning Organization (MPO) Partners Public Works, School Board, Florida Department of Transportation (FDOT), Police	Federal program: Average capital cost of \$31,000 per school based on 13 initial project completed School crossing guard program: Within existing staff and resources; no new funding needed.	Federal grants (via FDOT) current Safe Routs program is authorized for projects scheduled for completion through 2015 County Unincorporated Area General Fund: Municipalities requesting crossing guards over the cost of the service	No	Completion of individual routes: Year 1: 13 schools Year 2: 6 schools Year 3: 8 schools Year 4- 5: 11 schools Continue to provide/train school crossing guards for all public schools in UMSA and to municipalities by request	Indirect impact: May lead to residents reducing vehicle trips	Number of children age 0-14 years hit by cars Target: <166 (2007 total – Source WalkSafe) Number of Safe Routes programs completed: Total target is 38 school (excludes 13 projects previously implemented)	
118. Identify barriers to mobility for disabled and elderly residents and create an action plan	Lead Americans with Disabilities Act (ADA) Coordination/ Senior Advocate Partners Public Works, Parks	Within existing staff and resources	Within existing staff and resources	No	Year 1: Establishment of working groups; identification of barriers; development of action plan Year 2-5: Implement	Indirect impact: May lead to residents reducing vehicle trips	Installation of accessibility improvement, removal of existing barriers will be established based on action plan	



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STRATEGY: Plant more trees							
119. Promote community partnerships such as Million Trees Miami	<p>Lead Community Image Advisory Board (CIAB)</p> <p>Partners Public Works Department (PWD), Parks Department, Department of Environmental Resources Management (DERM)</p>	<p>Tree purchase is currently unfunded: Costs vary depending on the kind of tree, its size, and where it will be planted. For planning purposes, unit costs for a small street tree (average size, 40 gallon tree) are provided. Average Unit cost =\$175 per tree Average Unit cost (including installation and warrantee)=\$350 per tree.</p> <p>Maintenance costs are currently unfunded: Establishment costs: Average Unit cost =\$150 per year for first 3 years (Note that installation contracts include 90 days of watering and establishment costs and a 1 year warrantee on each tree.) Establishment period is 3-5 years. Maintenance costs: Average Unit cost = \$50 per year after 3 years for pruning, etc.</p>	<p>Partial funding for administering program exists through FY 2010.</p> <p>Potential County, municipality and private partnerships.</p>	<p>Some local legislation to support community tree plantings and inter-local agreements between governments will be needed.</p>	<p>Year 1: Create a steering committee and work plan and secure funding; establish partnerships with interested municipalities, organizations, companies, and tree-planting groups, to include public institutions that have resources to maintain trees; develop participation requirements to ensure ongoing tree maintenance; identify main target planting sites; develop a system to track countywide tree planting efforts; develop a website and clearing house for information; streamline county policies to facilitate public plantings; develop and promote sponsorship program.</p> <p>Year 2-5: Plant trees Coordinate tree planting projects and tie in existing independent efforts for planting trees through the community to account for efforts outside the county projects (target 125,000 per year, planted or counted)</p>	<p>Impact TBD through implementation.</p> <p>Year 1: Utilize the localized carbon storage and sequestration and CO₂e avoidances approaches defined in "Miami-Dade County's Urban Forests and their Ecosystem Services," led by the University of Florida and currently under peer review to determine emission targets.</p>	<p>Target is 500,000 trees by 2015.</p> <p>Tree canopy target is 30% (50% tree canopy in suburban residential, 25% tree canopy in urban residential, 10% tree canopy in the urban core)</p>



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						Five year plan is 50% of goal to reach 30% by 2020.		
120. Promote proper tree maintenance (for example use the CIAB Tree Care Guide in development)	<p>Lead Community Image Advisory Board</p> <p>Partners Government Information Center (GIC) Department of Environmental Resources Management (DERM), Office of Sustainability (OOS), local media, University of Florida Institute of Food and Agricultural Sciences (IFAS)</p>	Leverage existing promotional programs			None	<p>Year 1: Identify partners, existing marketing/publication mechanisms, work plans, event schedule Incorporate tree care into the “Million Trees” website; promote through social networking sites</p> <p>Year 2: Continue to promote programs and direct traffic to website so it can be updated as new information becomes available</p>	Indirect impact	<p>Number of County planting events (5 per year); Number of County tree give-a-ways (4 per year) Number of website hits</p>
121. Promote landscaping and gardening suitable for the South Florida environment	<p>Lead University of Florida Institute of Food and Agricultural Sciences Miami-Dade County Cooperative Extension Service (IFAS)</p>	Within existing staff and resources (program could be expanded with additional funding)		<p>Miami Dade County University of Florida, Miami Dade Water and Sewer Department (WASD) Department of Environmental Resources Management (DERM) Solid Waste Department (SWD)</p>	None	n/a – continue current program	n/a	<p>317 + classes on Florida friendly landscaping per year</p> <p>11,000 + class participants per year</p> <p>30,000 education contacts per year including phone, office, email and on-site consultation</p>
STRATEGY: Promote fresh, local, organic food in all neighborhoods through grocers, farmers’ markets, and community gardens								
122. Create a working group to coordinate sustainable	<p>Lead Earth learning</p>	A full-time staff person and some interns) with lead agency to coordinate the		Grant funding (e.g. USDA)	Legislation to enable urban	Establishment of a Food Policy Council, development of a local	Indirect impact	<p>Examples include: Number of</p>



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<p>food initiatives</p>	<p>Partners Office of Sustainability (OOS), Municipalities, Miami-Dade County Public Schools, Miami-Dade College, Breaking Ground Collaborative (Greenworks, Youth LEAD, Belafonte Tacolcy Center, and urban oasis project), other community groups</p>	<p>work of the council with the many groups and other municipalities and county; funds to bring in consultants on assessment; web development for a portal and interactive tracking system for initiatives; local food guides</p>		<p>agriculture, community composting (even curbside composting)</p> <p>Additional helpful legislation would include requirements/incentives for institutional procurement of local foods, local government targets for edible landscaping, state property tax incentives for small food farms</p>	<p>food web portal (pre-web portal already exists) (sub-group of the GreenPrint Implementation Partners); other specific milestones to be developed through implementation</p>		<p>community gardens</p> <p>Number of farmer's markets</p> <p>Percent of local that stays local</p> <p>Percent of local food production that is organic</p> <p>Specific indicators and targets to be developed through implementation</p>
<p>123. Continue Redland Raised to promote local/organic agriculture and economy by connecting farmers with local users such as restaurants, grocers, and farmers markets</p>	<p>Lead Agricultural Manager</p> <p>Partners Government Information Center (GIC), Parks Department, local government, agricultural industry and other community organizations, restaurants, grocers</p>	<p>Funding for promotional material (approx. \$330,000 for five years; \$142,000 in grant funding has already been received); capital funding for construction of community commercial kitchen (approximately \$1-3 million; a more detailed study of the costs is currently underway); capital funding for construction of "mega" market (possibly in the range</p>	<p>County budget, grants, possible private sector investment</p>	<p>Possibly land use</p>	<p>Promotional material placement in retail outlets (ongoing), publish cookbook (mid 2011); development of community commercial kitchen (timeline of 2-3 years once funding is obtained); establishment of new markets (ongoing); establishment of "mega" farmers' market in central location</p>	<p>Possible reduced from transportation, chemical use, processing, etc.</p>	<p># of retail outlets carrying Redland Raised promotional material (target is to maintain total of 180); # of farmers' markets – targets to be developed through implementation</p>



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		of \$3 million; could be less if an existing public facility can be identified); ongoing operating funding support			(timeline of 3-5 years once funding is obtained)		
124. Develop an analysis of potential sites and develop approach for turning ‘un-buildable lots’ close to schools and churches into community gardens	Lead Community Image Advisory Board (CIAB) Partners Office of Sustainability (OOS), General Service Administration (GSA), Parks; will require nonprofit partners to manage urban agriculture initiatives; other municipalities may also participate		No existing funding. Possible revenue from the sale or lease of County property and/or a portion of successful community garden revenue, should gardens be commercially viable	Yes-land use policy may have to change, agreements or leases of County land to organizations may need to be approved, etc.	Development of list of available lots, development of policy, identify gardening non-profits	Possibly reduced from transportation , chemical use, processing, etc.	# / acreage of parcels donated or leased for gardens; targets to be developed through
125. Amend the Comprehensive Development Master Plan (CDMP) and County Code to provide for sustainable, urban agricultural practices inside the Urban Development Boundary (UDB)	Lead Planning & Zoning Partners Agricultural Manager	Within existing staff and resources	n/a	Yes; amend CDMP and zoning code	CDMP amendment – April 2012	Possibly reduced from transportation , chemical use, processing, etc.	Target is achievement of milestone