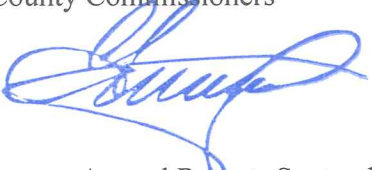


Memorandum



Date: April 29, 2016

To: Honorable Chairman Jean Monestime
and Members, Board of County Commissioners

From: Carlos A. Gimenez
Mayor 

Subject: Sustainable Buildings Program Annual Report: September 2013 to March 2016

Background

The following report is being provided pursuant to I.O. 8-8.

Miami-Dade County has been supporting green building since 2005, when the Board of County Commissioners passed R-1200-05 to incorporate sustainable building measures into the design, construction, renovation, and maintenance of buildings that are owned, financed, and operated by the County. The creation of the Sustainable Buildings Program marked an important milestone in County government by establishing a policy to incorporate sustainable development building measures. The Sustainable Buildings Program demonstrates the County's commitment to building greener and smarter buildings, and supports *GreenPrint*, our countywide sustainability plan.

The Sustainable Buildings Program was created by the Sustainable Buildings Program Ordinance (07-65) in May 8, 2007. The Ordinance applies to:

1. New construction,
2. Major renovations where the cost of construction is equal to or exceeds 50 percent of the building's replacement cost, and
3. Non-major renovations where the cost of construction is less than 50 percent of the building's replacement cost but is in excess of \$1 million.

The Ordinance requires new construction to attain Leadership in Energy and Environmental Design (LEED) Silver certification, and major and non-major renovations to attain LEED Certified status.

To date, there are 25 qualifying projects in progress that will seek LEED certification, two (2) non-qualifying projects that are voluntarily complying with the Ordinance, and 11 other projects that are voluntarily incorporating sustainable measures into new construction, minor renovations, small projects, and maintenance repairs. Detailed information about all current projects can be found in Appendix A.

New Construction, Additions, Major Renovations, and Non-Major Renovations

Since inception of the Sustainable Buildings Program, a total of 11 projects have achieved LEED certification:

1. The Internal Services Department's (ISD) Trades Shop was the first County project to achieve LEED Silver certification in November 2010.
2. The Miami Marlins Ballpark is the first retractable roof facility in the World to receive LEED Gold certification in March 2012.

3. The Verde Gardens Project in Homestead is the first LEED Gold certified homeless sheltering project in Florida. The project received LEED Gold certification in November 2011 for the townhome models. In December 2011, the Community Center received LEED Silver certification. In January 2012, the Fresh Market received LEED Silver certification.
4. The MIA Mover APM System Project was issued LEED Gold certification in March 2012.
5. PortMiami's Cruise Terminal D Expansion received LEED Silver certification in September 2013.
6. The ISD West Lot office and parking facility was issued a LEED Gold certification in September 2013.
7. The Lillie M. Williams Head Start Center opened in August 2014, becoming the first Head Start Center in Miami-Dade County to attain LEED Gold certification in October 2014.
8. The Gran Via Apartments affordable housing project was awarded LEED Silver certification in May 2015.
9. The Pérez Art Museum Miami was awarded LEED Gold certification in November 2014.
10. The Children's Courthouse, which was completed in late 2014, earned LEED Gold certification in September 2015.
11. Fire Station No. 64 in Miami Lakes earned LEED Silver certification in November 2015.

Three (3) additional projects were completed and are pending LEED certification expected in summer 2016: (1) Fairchild Tropical Botanic Gardens – Paul/Swanee Dimare Science Village, (2) Fire Station No. 70 in Coconut Palm, and (3) Fire Station 40 Addition in West Miami.

Non-Qualifying Projects

There are two (2) projects that fall outside the scope of the Ordinance, but are voluntarily being constructed using LEED standards: (1) the Coconut Grove Playhouse and (2) the Miami Science Museum. Both are aiming to achieve LEED Silver certification for new construction.

Minor Renovations, Small Projects, and Maintenance Repairs

The Sustainable Buildings Ordinance does not currently apply to small projects, maintenance repairs, or minor renovations where the cost of construction is less than 50 percent of the building's replacement cost and less than \$1 million. However, project managers are incorporating a number of green building practices into many of these projects from a practical and fiscal perspective. Examples of projects outside the scope of the Ordinance that are demonstrating sustainable measures include a New Scale House at Solid Waste Management's Central Transfer Station; Miami-Dade Fire Rescue's (MDFR) recent cool roof retrofit at Fire Station No. 24; and Parks, Recreation and Open Spaces Department's (PROS) recently-constructed Senior Center, equipped with a cool roof, energy efficient lighting, and efficient water systems at Arcola Lakes Park.

As more projects are completed, the Office of Resilience (OoR) staff is learning from these experiences and updating Implementing Order (IO) 8-8. In the IO 8-8 revision, OoR will address projects that qualify for the Ordinance but cannot meet LEED requirements, as well as project-types not currently covered under IO 8-8. In addition, OoR will incorporate already-existing County policies such as lifecycle cost analysis, green procurement, integrated pest management, and the use of the County's new utility billing energy management software, EnergyCAP.

Education and Training

Through education and sustainability training, OoR strives to fulfill its mission to transform the County into an organization that is sustainable by changing its culture, operations, and how it provides services.

LEED Accreditation and Maintenance

To continue this positive trend, OoR annually commits funds to cover County employee costs for LEED Continuing Education (CE) webinars offered through the GBCI. GBCI allows County employees an opportunity to earn CE credits needed to maintain their accreditation by attending in-house trainings. As of March 2016, the County had 117 LEED accredited staff members spanning at least 12 departments, including six (6) certified Energy Managers, one (1) Green Building Certification Institute-trained (GBCI) LEED certified Reviewer, and one (1) certified Green Building Engineer.

In addition, Miami-Dade County's membership with the US Green Building Council's (USGBC) South Florida Chapter grants County employees access to LEED webinars. Miami-Dade County, through OoR, has partnered with the USGBC in order for information and contacts in the green building sector to be more accessible to County employees. The USGBC's large membership database and LEED webinars will be a great resource in allowing the County to increase the number of buildings within the Sustainable Buildings Program.

Beyond Brochures Training - Community-Based Social Marketing to Foster Sustainable Behavior

On March 16, 2015, OoR organized a full day workshop featuring Dr. McKenzie-Mohr, a leading environmental psychologist, who introduced the idea of applying community-based social marketing to encourage sustainable practices. Participants learned the five (5) steps of community-based social marketing (selecting behaviors, identifying barriers and benefits, developing strategies, conducting a pilot, and broad scale implementation) and were shown several case studies demonstrating its success.

Energy Code Training

Due to the Florida Commercial Energy Code being updated in 2014 (5th Edition), OoR found it crucial to maintain and update the professional expertise of County employees working under the Sustainable Buildings Program. Forty (40) County staff members attended the "Florida Commercial Energy Code Compliance: Methods, Tools, and Verification" training. The training was offered in conjunction with a climate change training at the 6th Annual Southeast Florida Regional Climate Leadership Summit in Miami Beach on October 1-2, 2014.

Sustainable Buildings Lecture Series

For the past several years, the OoR has organized a monthly lecture series, providing training to interested County employees in a variety of topics within the realm of sustainable development and green building products, practices, and technologies. Attendees have participated in a variety of presentations including the Water Efficiency Strategies, Disaster Mitigation Techniques, Energy Rooftop Solar Challenge, Waste Management's Organics Offerings in South Florida, Washington D.C. Smart Roof Program, and Overview of Energy Intelligence Software, to name a few. Within this reporting period a total of 133 employees have attended the presentations. For a complete summary, please see Appendix B.

Conclusion

The Sustainable Buildings Program has been successfully implemented over the past eight (8) years. During this period, County staff has regularly submitted reports detailing the successes of the program and the many goals achieved. A program evaluation for policy updates and improvements is currently under way in order to ensure that the program keeps up with new procedures and building technologies.

Should you have any questions or require additional information, please contact Patricia Gómez, P.E., Sustainability Program Manager, Regulatory and Economic Resources Department, at 305-375-4775.

Attachments

- c: Honorable Harvey Ruvin, Clerk of Courts, Eleventh Judicial Circuit
 - Carlos Migoya, President/CFO, Public Health Trust
 - Abigail Price-Williams, County Attorney
 - Office of the Mayor Senior Staff
 - Department Directors
 - James F. Murley, Chief Resilience Officer, Office of Resilience, Regulatory and Economic Resources Department
 - Patricia Gomez, Sustainability Program Manager, Office of Resilience, Regulatory and Economic Resources Department
 - Charles Anderson, Commission Auditor
 - Sustainable Buildings Committee

Appendix A: Sustainable Building Tracker Status Update (September 2013- March 2016)
Qualifying Projects

No.	Project Name	Date of Status Update	Department	Design Project Start and Estimated Construction Completion Date	Project Qualifies for Ordinance (Y/N)	LEED Certification Level and Type (NC, EB, CI, CS, etc.) ¹	Description and sq. ft.	Current Status (e.g. 50% Design/ Development, etc.)	Process Number (GBCI #, CIIS #) Contract, Site CIIS, Capital Project Number	Project Manager (Name & Email)	Project Consultant (Name & Email)
1	Miami Dade County Auditorium	3/1/2016	CUA	08/12/2014 12/31/TBA	Y	TBA	Renovation approx. TBA sq. ft.	Design Development	GBCI-TBA & CIIS - #292	Alex Peraza aperaza@miamidade.gov	Project Manager CUA Alex Peraza aperaza@miamidade.gov; LEED Consultant is Sequil Systems, Inc.
2	Caleb Auditorium	3/1/2016	CUA	08/12/2014 12/31/TBA	Y	TBA	Renovation approx. TBA sq. ft.	Design Development	GBCI-TBA & CIIS - #254	Alex Peraza aperaza@miamidade.gov	Project Manager CUA Alex Peraza aperaza@miamidade.gov; LEED Consultant is Sequil Systems, Inc.
3	Westchester Cultural Arts Center	3/1/2016	CUA	07/10/2015 11/1/2017	Y	TBA	New Facility approx. 14,415 sq. ft.	Schematic Development	GBCI-TBA & CIIS - #286	Carolina Alfonso calfonso@miamidade.gov	Project Manager CUA Carolina Alfonso calfonso@miamidade.gov; LEED Consultant is Zychovich, Inc.
4	History Miami	3/1/2016	CUA for History Miami	06/03/2015 12/31/TBA	Y	TBA	Renovation approx. TBA sq. ft.	Master planning - Phase I Completed	GBCI-TBA & CIIS - #297.1	Lisa D'Andrea-Thompson dandrea@miamidade.gov	Project Manager CUA Lisa Dandrea dandrea@miamidade.gov; LEED Consultant is M.C. Harry and Associates, Inc.
5	African Heritage Cultural Arts Center	3/1/2016	CUA	08/12/2014 12/31/TBA	TBD	TBA	Renovation approx. TBA sq. ft.	Design Development	CIIS - #253	Alex Peraza aperaza@miamidade.gov	Project Manager CUA Alex Peraza aperaza@miamidade.gov; LEED Consultant is Sequil Systems, Inc.
6	South Miami Heights Maintenance Facility	3/4/2016	WASD	TBD	Y	Silver	Located on 17.3 acres of vacant WASD-owned property at 19000 S.W. 108 Avenue. The Project scope is to construct a maintenance and storage building (115,000 sq. ft.) and will consist of a high-bay area that houses maintenance and storage bays and is flanked by two 2-story structures that will include warehousing space, repair shops and an administrative office. In addition the Project also includes construction of a 3-story parking structure	100% Design	TBA	James Ferguson, James.Ferguson@miamidade.gov	Wolfberg Alvarez

¹⁾ NC = New Construction, EB = Existing Building (Operations Maintenance), CI = Commercial Interiors, CS = Core and Shell

Appendix A: Sustainable Building Tracker Status Update (September 2013- March 2016)

Qualifying Projects

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7	SW Site for Domestic Violence Center Project	3/5/2016	HT	2013 FY 2017-18	Y	Silver NC	One building 28,000 sq. ft.	ISD is managing procurement of the new project. Saltz Michelson Architects, Inc. was selected for design and construction management for the facility. Master planning phase is underway. (Project No: A12-HT-01)	CIIS - 207931	Vaughn Tooley Y1116@miamidade.gov	Saltz Michelson Architects, Inc. Ctmichelson@saltzmichelson.com
8	Lehman Yard Expansion and Test Track	3/4/2016	MDT	02/13/13 05/31/16	Y	None	The unairconditioned test area is 5,977 sq. ft., air-conditioned office and bathrooms are 294 sq. ft., Mechanical and Electrical rooms are 2,089 sq. ft.	The building is 100% complete, there is a non-conforming work with the tracks and a building weather tightness issue. The CO has not been achieved yet due to outstanding Fire Alarm issues. Estimated project completion May 31, 2016.	Project #: DB10-MDT-01 PTP Contract #: CIP028-CT1-TR09	Malika Rodriguez malikar@miamidade.gov	Design-Build: Munilla Construction Management LLC dba MCM
9	New Collections Building at Northeast Transfer Station	2/4/2016	PWWM	10/29/2009 05/30/2017	Y	Certified NC	7,000 sq. ft.	Design is 100% complete. We had to Re-Bid the project because Contractor non compliance. RPQ # 15A007-R. Bids were open on 01/07/2016. Notice to Proceed (NTP) for construction phase is pending.	CIIS - 505950	Grecia Posada grecia@miamidade.gov	Jason Hagopian jhagopian@tsaodesign.com
10	West/SW New Trash & Recycling Center	2/4/2016	PWWM	9/16/2008 9/30/TBD	Y	Sustainable Measures	1,600 sq. ft. / 500 sq. ft.	Project is on hold. No change	CIIS - 5054051	Grecia Posada grecia@miamidade.gov	Albert Argudin, Jr. aargudinjr@adaengineering.com
11	New Live Like Bella Park Recreation Center (Previously known as Leisure Lake Parks Recreation Center)	3/9/2016	PROS	6/15/2015 11/3/2018	Y	Silver - achievable Certified V2.2 NC	Prototype recreation center, 5,000 sq. ft.	30% design	CIIS - 70049 #790402-05-001	Aybar, L aybar@miamidade.gov	CIVICA rllanes@civicagroup.com
12	North Glade Park Recreation Center	3/9/2016	PROS	6/15/2015 04/13/18	Y	Silver - achievable certified	Prototype recreation center, 5,000 sq. ft.	50% Design	CIIS - 70157 #210701-05-001	Aybar, L aybar@miamidade.gov	RVD Architect Inc rvdarchitect@aol.com
13	Oak Grove Park Haitian Community Center	3/9/2016	PROS	5/15/2016 TBD	Y	Silver - Achievable Certified	19,000 sq. ft.	Bidding Design-Build	GOB	Pena, W williepen@miamidade.gov	TBD
14	Ives Estates Park Adult Sports Complex	3/9/2016	PROS	11/2/2016 08/07/2021	Y	Silver - Achievable Certified	Sport Complex and Maintenance Bldg	Pre-Design	GOB 18	Martinez, A AdelfaM@miamidade.gov	TBD

¹⁾ NC = New Construction, EB = Existing Building (Operations Maintenance), CI = Commercial Interiors, CS = Core and Shell

Appendix A: Sustainable Building Tracker Status Update (September 2013- March 2016)

Qualifying Projects

No.	Project Name	Date of Status Update	Department	Design Project Start and Estimated Construction Completion Date	Project Qualifies for Ordinance (Y/N)	LEED Certification Level and Type (NC, EB, CI, CS, etc.) ¹	Description and sq. ft.	Current Status (e.g. 50% Design/ Development, etc.)	Process Number (GBCI #, CIIS #) Contract, Site CIIS, Capital Project Number	Project Manager (Name & Email)	Project Consultant (Name & Email)
15	PortMiami Cruise Terminal E Improvements	7/1/2015	Seaport	5/1/2015 10/15/2016	Y	LEED CI In progress	10163 sq. ft.	90% Design	LEED ID-1000059133 2015-020.05	Victoria Valdez valdezv@miamidade.gov Vivian Alfonso alfonsov@miamidade.gov	PortMiami
16	Station No. 62	3/23/2016	MDFRD	Design Start Date June, 2015 and Construction Completion January, 2018	Y	Silver NC	10696 sq. ft.	50% Design	Project ID:1000061912	Edward Villareal	Nestor Vega, RVL Architecture LEED Consultant (NVega@rvmarch.com)
18	New Northeast Dade - Aventura Branch Library	3/3/2016	ISD for MDPLS	8/10/2010 5/29/2015(TCO) 5/31/2016(Est. CO)	Y	Silver NC LEED 2.2	27,770 sq. ft.	Project Under Construction 98% complete. (Pending CO / Punchlist)	ISD 200086, CIIS 70309	Alejandro Rodriguez ALRODR@miamidade.gov	Asael Marrero AsaelM@miamidade.gov
19	Wynwood Neighborhood Service Center Demolition and Reconstruction	6/3/2015	ISD for DHS	8/9/2010 09/30/2017	Y	Silver NC LEED V3	30,000 sq. ft.	Plans submitted to City of Miami on July 8, 2015. City of Miami Review finalized. Re-submittal to the City scheduled on March 11, 2016.	GBCI-10505297 & CIIS-70308, 70201	Hugo Velasquez Hvelasq@miamidade.gov	Daphne I. Gurri, AIA, LEED® AP Dgurri@gurrimatute.com Gurri Matute, P.A.
20	Richmond Heights Shopping Center	3/1/2016	ISD for District 9	3/18/2016 04/21/2019	Y	Silver NC LEED V4	15,000 sq. ft.	Request to advertise for professional services.	CIIS-Z00099 G08 321	Jose Montoya JMONTOY@miamidade.gov	CMF International Group, Inc. cmflores@cmfintgroup.com
21	Pre-Trial Detention Center (PTDC) Renovation and Expansion	3/7/2016	ISD for MDCR	9/10/2005 11/14/2016	TBD	Silver O+M (If County proceed with Phase III which involved the Building Envelop) LEED V4	18,279 sq. ft.	Project under construction 85% complete.	CIIS 70311, Z00018 & GBCI-10523862	Richard Cabrera, ISD, CMS rc93@miamidade.gov	URS/AECOM John Strother/john.strother@aecom.com
22	The Empowerment Center (Domestic Violence Shelter)	4/1/2016	ISD for HT	02/24/2015 to 11/11/2018	Y	Silver NC LEED	28,000 sq.ft.	Schematic Design	CIIS 76825	H. Patrick Brown, ISD, CMS Phrown@miamidade.gov	Saltz Michelson Architects Mark Saltz or Sheff Devier, AIA, Msaltz@saltzmichelson.com
23	Christine E. Lynne Rehab Center	4/12/2016	PHT	5/15 – FALL 2019	Y	LEED Silver	TBD	Design & Pre-Construction	Activity #51015022	David Clark, Corporate Director, Facilities Design and Construction David.Clark@jhsiami.org	HDR, Stephen Panzarino, Stephen.panzarino@hdrinc.com
24	ED/ICU/MTI Tower	4/12/2016	PHT	4/16 – Spring 2020	Y	LEED Silver	TBD	Program Verification & Pre-Construction	Activity #51016039	David Clark, Corporate Director, Facilities Design and Construction David.Clark@jhsiami.org	HKS
25	Jackson West	4/12/2016	PHT	4/16 – FALL 2019	Y	LEED Silver	TBD	Programming, Zoning Verification and Pre-Construction	Activity #51316036	David Clark, Corporate Director, Facilities Design and Construction David.Clark@jhsiami.org	Perkins & WJ

¹ NC = New Construction, EB = Existing Building (Operations Maintenance), CI = Commercial Interiors, CS = Core and Shell

Appendix A: Sustainable Buildings Tracker Status Update (September 2013 - March 2016)
Projects voluntarily complying with IO 8 - 8 (seeking certification or maximum sustainable measures)

No.	Project Name	Date of Status Update	Department	Design Project Start and Estimated Construction Completion Date	Project Qualifies for Ordinance (Y/N)	LEED Certification Level and Type (NC, EB, CI, CS, etc.) ¹	Description and sq. ft.	Current Status (e.g. 50% Design/ Development, etc.)	Process Number (GBCI #, CIIS #) Contract, Site CIIS, Capital Project Number	Project Manager (Name & Email)	Project Consultant (Name & Email)
1	Miami Science Museum	3/1/2016	CUA for MSM	Spring 2011 End of 2016	Not county owned/operated, partially financed by County	Seeking Gold NC; seeking the highest level we can obtain and are continuously looking for opportunities to advance to Platinum before the project is finished.	250,000 sq. ft. programmed (which includes the outdoor, covered and semi-air conditioned areas)	The new museum building construction is approximately 72% complete.	GBCI-1000028655 & CIIS - 297-70430	Lisa D 'Andrea- Thompson dandrea@miamidade.gov	Project Manager for MSM is Hill International; LEED Consultant is Ateller Ten
2	Coconut Grove Playhouse	3/1/2016	CUA	05/15/2015 10/15/2022	Not county owned/operated, partially financed by County	TBA	New Theater Approx. sq. ft. TBA	Master planning	GBCI-TBA & CIIS - #299	Marie Denis mdenis@miamidade.gov	Project Manager CUA Marie Denis mdenis@miamidade.gov LEED Consultant is Spinnaker Group, Inc.

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Appendix A: Sustainable Buildings Tracker Status Update (September 2013 - March 2016)

Other Projects

No.	Project Name	Date of Status Update	Department	Design Project Start and Estimated Construction Completion Date	Project Qualifies for Ordinance (Y/N)	LEED Certification Level and Type (NC, EB, CI, CS, etc.) ¹	Description and sq. ft.	Current Status (e.g. 50% Design/ Development, etc.)	Process Number (GBCI #, CIIS #, Contract, Site CIIS, Capital Project Number	Project Manager (Name & Email)	Project Consultant (Name & Email)
1	Olympic Park - Walkway Lighting	3/9/2016	PROS	09/19/14 3/29/16	N	Sustainable Measures - LED Lighting	LED walkway Lighting	90% Complete	# 493300-14-003	Garcia, L garcia.l@miamidade.gov	TBA
2	Military Trail park - Park Lighting	3/9/2016	PROS	7/10/2015 5/18/2016	N	Sustainable Measures - LED Lighting	Park Lighting	Construction	GOB 094 #320601-14-001	Brinson, M Brinsonm@miamidade.gov	TBA
3	Charles Deering Estate - Window Sill and Shutter and HVAC Enhancements	3/9/2016	PROS	10/30/2015 1/29/2017	N	Sustainable Measures - HVAC Enhancements	HVAC Enhancements	50% Design	GOB 028 #502501-14-001	Marquez, F Fernando.marquez@miamidade.gov	Vitalini Corazzini
4	Multiple Parks - Energy/Performance Contract	3/9/2016	PROS	Ongoing	N	Sustainable Measures	Honeywell Contract - Energy Efficiency	Monitoring	#999999-12-003	Camejo, N nc612@miamidade.gov	Honeywell
5	New Animal Services Facility/New Animal Shelter	6/3/2015	ISD for ASD	12/04/2012 12/17/2015	N	Sustainable Measures	70,000 sq. ft.	70% Construction	CIIS- 70392 & Z000108	Jesus Farinas jesus.farinas@miamidade.gov	Tony Rosabal frosabal@lvs.net
6	Florida Mission Everglades	3/9/2016	PROS	11/8/10 7/6/16	N	Sustainable Measure	Front entry (2 acres) retail, concessions, ticketing; multi-purpose building; renovation of existing retail and conversion into Florida Discovery Lab and Exhibit area (4 acres)	In construction	GOB 47	Angel Trujillo (angel@miamidade.gov)	URS Corporation
7	Greynolds Park Renovations and Improvements	3/9/2016	PROS	7/1/2009 TBD	N	Sustainable Measures	Less than 3,000 sq. ft.	Permit revisions	CIIS - 70135	Martinez, A Adelfam@miamidade.gov	Gurri Matute PA gurrimatutepa@gmail.com
8	Homestead Air Reserve Park Access Road and Parking Lot LED Lighting	3/9/2016	PROS	11/4/2015 11/18/16	N	Sustainable Measure	Parking Lot and Access Road LED Lighting/Approximately 70,000 sq. ft.)	In Bidding Phase	GOB 34 #693601-13-003	Marlin Brinson (mbrinson@miamidade.gov)	HNTB
9	Matheson Hammocks Sea Level Rise Feasibility Study	3/9/2016	PROS	TBD	N	Sustainable Measure	Feasibility Study to improve asset survivability	Scoping	GOB 26 #510601-15-004	Gonzalez, J JoseG@miamidade.gov	TBD
10	Biscayne Shores and Gardens Park - Local Park Improvements	3/9/2016	PROS	11/1/2014 2/1/2018	N	Sustainable Measure	Recreation Bldg / Energy efficient lighting systems, plumbing fixtures and mechanical system	Redesign	GOB 26 #510601-15-004	Gonzalez, J JoseG@miamidade.gov	TBD
11	JMH Re-roof Project	4/12/2016	PHT	TBD	N	Sustainable Measures	TBD	Project was re-scoped to repairs and maintain only in lieu of full replacement. No LEED activities achievable.	TBD	David Clark, Corporate Director, Facilities Design and Construction David.Clark@jhs.miami.org	TBD

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Appendix A: Sustainable Buildings Tracker Status Update (Spetember 2013 - March 2016)

Completed Certified Projects

No.	Project Name	Date of Status Update	Department	Design Project Start and Estimated Construction Completion Date	Project Qualifies for Ordinance (Y/N)	LEED Certification Level and Type (NC, EB, CI, CS, etc.) ¹	Description and sq. ft.	Current Status (e.g. 50% Design/ Development, etc.)	Process Number (GBCI #, CIIS #) Contract, Site CIIS, Capital Project Number	Project Manager (Name & Email)	Project Consultant (Name & Email)
1	ISD Trade Shops	10/25/2011	ISD	10/25/2008 10/20/2011	Y	Silver NC V2 LEED 2.2	100,000 sq. ft.	Awarded LEED Silver Certification in November 2010.	GBCI-10304091 & CIIS - W80021, 73082	Jose Perez/jperez@miamidade.gov	MCM Corp.
2	Marlins Ballpark	6/22/2012	ISD	1/1/2008 4/4/2012	Y	Silver NC V2 LEED 2.2	36,500 Seats with 37,000 capacity 939,000 sq. ft.	Awarded LEED Gold Certification in March 2012.	GBCI-10220920 & CIIS- GOB#70269	Jose A. Galan/galan@miamidade.gov	Stephen Bauman (URS Corp)//Stephen_Bauman@URS Corp.com
3	Verde Gardens Neighborhood Project	1/23/2012	HT	5/10/2011 5/11/2011	Y	Residential Units - Gold; Community Center - Silver; Fresh Market - Silver V3 LEED 2009	145 Units 147,970 sq. ft., Community Center: 4,020 sq. ft. and Fresh Market: 4,400 sq. ft.	Awarded LEED Gold to the 23 model townhomes in Nov 2011; LEED Silver to the Fresh Market in Jan 2012; and LEED Silver to the Community Center in Dec 2011.	CIIS - 207330 & GBCI: Community Center-000010006 and Fresh Market-1000010008	Marc LaFrance, MS, CGC, LEED*AP LFranM@miamidade.gov	Gredel Del Toro, LEED*AP GDeToro@mcmcorp.com
4	MIA Mover APM System Project	6/22/2012	MDAD	9/8/2008 9/7/2011	Y	Silver NC	39,683 sq. ft. (2) levels	Completed. Awarded LEED GOLD Certification in March 2012.	GBCI - 10496152	Franklin Stirrup FSTIRRUP@miami-airport.com	TBP
5	POM Cruise Terminal D Expansion	9/17/2013	Seaport	08/01/2011 11/20/2012	Y	Silver NC	27,200 sq. ft. addition	Project received LEED Silver certification in September 2013.	CIIS-2011-014.05	Victoria Valdez valdezv@miamidade.gov	Bermello, Ajamil & Partners, Inc.
6	ISD West Lot	4/24/2013	ISD	2/1/2010 9/1/2012	Y	Gold Core and Shell	43,500 sq. ft. Office Bldg. 810 Spaces Parking Garage	Awarded LEED Gold Certification in September 2013.	GBCI-10525736 & CIIS- W80052, GS01327693, W80052, 75447	Marc LaFrance, MS, CGC, LEED*AP LFranM@miamidade.gov	Gredel Del Toro, LEED*AP GDeToro@mcmcorp.com
7	CAA Regional Head Start Center	6/3/2015	ISD for CAA	Re-start 04/15/2013 12/03/2014	Y	Silver NC V2 LEED 2.2	16,350 sq. ft.	Awarded LEED Gold Certification in October 2014.	CIIS 70302, Z00045 & GBCI-10501118	Timothy Wright, ISD, CMS WRIGHTT@miamidade.gov	Jose M. Requejo JMRequejo@miamidade.gov
8	Gran Via Apartments District 11	6/3/2015	ISD for District 11	1/21/2010 09/03/2014	Y	Silver NC V3 LEED 2009	80,000 sq. ft. Residential	Awarded LEED Silver Certification in May 2015.	CIIS- Z000107	Jesus Farinas, ISD, CMS Jesus.farinas@miamidade.gov	Frank Suarez, AIA, LEED*AP Fsuares@miamidade.gov
9	Miami Art Museum	7/24/2015	CUA for MAM	11/30/2010 12/01/2013	Not county owned/operated, partially financed by County	Silver NC V2 LEED 2.2	200,000 sq. ft. programmed (120,000 sq. ft. Interior; 80,000 sq. ft. Exterior)	Awarded LEED Gold Certification in November 2014.	GBCI-2021342975140942 & CIIS - 296-70428	Alex Peraza aperaza@miamidade.gov	Project Manager for MAM is Paratus Group Robert Portnoff RPortnoff@paratusgroup.com; LEED Consultant is ARUP USA, Inc.
10	Children's Courthouse	6/3/2015	ISD for AOC	3/1/2011 10/01/2014	Y	Gold NC V2 LEED 2.1	371,500 sq. ft.	LEED Certification awarded in September 2015 http://www.usgbc.org/projects/miamidade-childrens-courthou	GBCI-10003272 & CIIS- W40114C, 75418	Jorge Orol, CM2 JLOrol@miamidade.gov	Duncan C. S. Broyd, RIBA, LEED*AP duncan.broyd@hok.com
11	Station No. 64 Miami Lakes	3/23/2016	MDFRD	10/21/2010 06/15/2015	Y	Silver NC	13,512 sq. ft.	Construction completed, LEED Silver certification received on November 2015, v2 LEED 2.2, http://www.usgbc.org/projects/miamilakes-west-fire-rescue-station-n	GBCI - 2529866805141600	Margarita Garces mgarces@miamidade.gov	The Spinnaker Group mark@thespinnakergroupinc.com

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Appendix A: Sustainable Buildings Tracker Status Update (September 2013 - March 2016)

Completed Certified Projects

No.	Project Name	Date of Status Update	Department	Design Project Start and Estimated Construction Completion Date	Project Qualifies for Ordinance (Y/N)	LEED Certification Level and Type (NC, EB, CI, CS, etc.) ¹	Description and sq. ft.	Current Status (e.g. 50% Design/ Development, etc.)	Process Number (GBCI #, CIIS #) Contract, Site CIIS, Capital Project Number	Project Manager (Name & Email)	Project Consultant (Name & Email)
12	Fairchild Tropical Botanic Gardens - Paul / Swanee Dimare Science Village	7/30/2015	CUA for FTBG	Completed 12/2012	Not county owned/operated	Silver NC	19,410 Sq. ft. Science Village Includes science building, café, shadehouse	100% complete. Certification in progress. http://www.usgbc.org/projects/paul-swanee-dimare-science-village	CIIS - 298-70415	Lisa D'Andrea-Thompson dandrea@miamidade.gov	Energy Cost Solutions Group Jason Blondi jblondi@ecsgllc.com
13	Station No. 70 Coconut Palm	3/23/2016	MDFRD	1/1/2013 TBD	Y	Silver NC	11,939 sq. ft.	Construction completed, waiting for LEED certification which is expected by summer 2016. v3 LEED 2009. http://www.usgbc.org/projects/miamidade-fire-rescue-station-no-70	GBCI - 1000014259	Edward Villareal, ejv@miamidade.gov	Acal Associates, Inc
14	Fire Station 40 Addition	3/23/2016	MDFRD	12/16/2010 5/26/2012	Y	Silver NC-2009	3,913 sq. ft.	Construction completed, waiting for LEED certification which is expected by summer 2016. Existing bldg. Was upgraded as well (HVAC, blpg insulation, etc.)	GBCI - 1000005467	Edward Villareal, ejv@miamidade.gov	Silva Architects asilva@silvaarc.com

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Appendix A: Sustainable Buildings Tracker Status Update (September 2013 - March 2016)

Completed Non-Certified Projects

No.	Project Name	Date of Status Update	Department	Design Project Start and Estimated Construction Completion Date	Project Qualifies for Ordinance (Y/N)	LEED Certification Level and Type (NC, EB, CI, CS, etc.) ¹	Description and sq. ft.	Current Status (e.g. 50% Design/ Development, etc.)	Process Number (GBCI #, CIIS #) Contract, Site CIIS, Capital Project Number	Project Manager (Name & Email)	Project Consultant (Name & Email)
1	Scott-Carver HOPE VI - Phase 2	3/4/2016	PHCD	12/30/2008 12/30/2012	Not County-owned/ operated development partially financed with County Bond funds	LEED Silver Equivalent	354 Housing Units 18dr/28dr/ 38dr/48dr	Completed	Contract #RFQ#8345	Alina Ferrer aferrer@miamidade.gov	N/A
2	Metrorail Station at MIC	4/24/2013	MDT	4/30/2009 8/17/2012	N	Sustainable Measures	110,000 sq. ft. (3 levels: bus plaza, intermediate level and platform level)	Station has reflective roof, LED lighting, xeriscape and water efficient fixtures. Project grand opening is scheduled for July 28, 2012.	NCP004-TR06-CT2	Malk Rodriguez malkagr@miamidade.gov	URS Genevieve Cave-Hunt genevieve.cave-hunt@urs.com
3	New Scale House at Central Transfer Station	7/21/2014	PWWM	Complete on 7/21/2014	Y	Sustainable Measures	688 sq. ft.	Certification of Occupancy received on 7/21/2014.	CIIS - 505670	Luis Moreno lmoreno@miamidade.gov	Randy Scott Rscott@aecnworld.com
4	Charles Deering Estate Improvements	9/26/2013	PROS	completed 2/2013	N	Sustainable Measures - Chirt walkways (previous, regional and SRS-29)	N/A	Walkway / boardwalk improvements completed	CIIS - 70731	Cheney, K karent@miamidade.gov	N/A
5	Arcola Lakes Park Senior Center	7/27/2015	PROS/ UMSA	9/29/2008 7/29/2013	Y	Drawings were completed before the ordinance took effect	Park improvements includes new construction 14,000 sq. ft.	Completed 7/3/2014. Cool metal roof and high R insulation. Energy efficient light systems, plumbing fixtures, mechanical and pool equipment. Energy efficient doors & windows. Landscaping at parking lot and hardscapes to reduce "heat island effect"	CPFO92PR1688, 70158	Marroquin, I ivanM@miamidade.gov	Indigo Service Corp rif@indigoservice.com
6	Amelia Earhart Park Restroom Facilities (2)	6/1/2015	PROS	9/15/2011 7/7/2015	Y	Sustainable Measures - V3 NC min 40 points max points achievable 30	1,500 sq. ft.	Dedication ceremony on 11/21/15	CIIS - 70722 #213001-11-001	Marquez, F MAR01@miamidade.gov	In-house
7	MIA North Terminal	3/7/2016	MDAD	3/1/2001 06/30/2013	N	N/A	3,800,000 sq. ft. (6 levels)	Project Completed. Only twelve credits uploaded towards LEED Certification. Project will not be certified.	GBCI - 10487507	Enrique Perez eperez@miami-airport.com	Glenn Bellamy gbellamy@heery.com
8	POM Cruise Terminal H Re-roof	1/24/2012	PortMiami	Fall 2010 Summer 2012	N	High solar reflectance roof	37,064 sq. ft.	Construction 100% complete. Project received rebate from FPL. Incentive \$ 16,678.80 (\$0.45/Sq.Ft)	CIIS-2010-026	Victoria Valdez valdez@miamidade.gov	Pedraza Architects, Inc.
9	POM Admin Building 1001, 1015 and Annex Re-roof	1/24/2012	PortMiami	Fall 2010 Summer 2011	N	High solar reflectance roof	27,432 sq. ft.	Construction 100% complete. Project received rebate from FPL. Incentive \$ 12,344.40 (\$0.45/Sq.Ft)	CIIS-2010-027	Victoria Valdez valdez@miamidade.gov	Zamparelli Architectural Group
10	POM Building 1080 Re-roof	1/24/2012	PortMiami	Fall 2010 Summer 2011	N	High solar reflectance roof	22,777 sq. ft.	Construction 100% complete. Project received rebate from FPL. Incentive \$ 10,249.65 (\$0.45/Sq.Ft)	CIIS-2010-044	Victoria Valdez valdez@miamidade.gov	Avant Ammann & Whitney, Inc.
11	POM Electrification of Cranes 7 - 10	9/23/2013	PortMiami	10/21/2009 9/1/2011	N	Convert cranes from diesel to electric	Electric cranes more reliable	Completed.	N/A	Elizabeth Ogden eogden@miamidade.gov	Shaw GBB
12	POM re-carpeting	7/1/2015	PortMiami	11/07/2013	N	Recycle of existing carpet at CT F&G	109,534 sq. ft.	Completed	2011-019-10A	Vivian Alfonso alfonso@miamidade.gov	PortMiami

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Appendix A: Sustainable Buildings Tracker Status Update (September 2013 - March 2016)
Completed Non-Certified Projects

No.	Project Name	Date of Status Update	Department	Design Project Start and Estimated Construction Completion Date	Project Qualifies for Ordinance (Y/N)	LEED Certification Level and Type (NC, EB, CI, CS, etc.) ¹	Description and sq. ft.	Current Status (e.g. 50% Design/ Development, etc.)	Process Number (GBCI #, CIIS #) Contract, Site CIIS, Capital Project Number	Project Manager (Name & Email)	Project Consultant (Name & Email)
13	Fire Station 24 Roof Rehabilitation	7/18/2011	MDFRD	5/20/2011 7/18/2011	N	Sustainable Measures - Cool Roof	Partial replacement of 11,029 sq. ft. roof	Partial replacement roof which was constructed 1999; the roof membrane was replaced with a roof energy cap with an SRI value of 100 which complies with green building requirement for cool roofs. Final inspection July 18, 2011. Completed	Permit 2011-039394	Ed Villareal ejv@miamidade.gov	A1 Property Service Inc.
14	Truck Wash Facility	3/7/2016	PWWM	11/12/2008 8/4/2015	Non-Building Project	Sustainable Measures	Will recycle used water and collect rain water	Construction is 100% complete. C.O. was issued on 8/4/2015.	CIIS - 504450	Luis Moreno lmoreno@miamidade.gov	Manuel Gallardo GallardoArch@aol.com
15	Chuck Pezoldt Park - Solar Walkway Lighting	3/9/2016	PROS	Jun-15	N	Sustainable Measures - Solar Lighting	Solar walkway Lighting	Completed	IF #592801-11-001	N/A	N/A
16	Westbrook Park - Walkway Solar Lighting	3/9/2016	PROS	Jun-15	N	Sustainable Measures - Solar Lighting	Solar walkway Lighting	Completed	GOB 111 #400801-13-001	N/A	N/A
17	Public Health Trust/Jackson Health Ryder Trauma Center Renovation	4/12/2016	PHT	9/2011 - 12/2015	Y	Sustainable Measures	160,000 sq. ft.	The project is complete and signed off by CoM, AHCA and FEMA by December 2015.	CIIS - 51011105, A10-IMH-01	David Clark, Corporate Director, Facilities Design and Construction David.Clark@jhsnmi.org	TBD

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Sustainable Buildings Lecture Series

Month	Date and Time	Location	Presenter	Contact	Topic	Registered	Attended
Nov-13	1st at 1 pm - 2:30 pm	Overtown Transit Village 2nd Floor Training Room 701 NW 1st Court	South Florida Water Management District	Robert Wavenstraut	Importance of Water Audits for Commercial and Institutional Facilities	N/A	18
Dec-13	2nd at 12:30 pm – 2:00 pm	Jackson Memorial Hospital West Wing Board Room 117 (Presentation) 1280 N.W. 19th Street	LUXADD LLC Lighting Solutions	Katrin Mehler and Maria Teresa Adams	Energy Savings through cutting edge LED Solutions and T5 Retrofit Kits for linear fluorescent lighting	N/A	8
Jan-14	29th at 1:30 pm to 2:30 pm	Overtown Transit Village 1st Floor Training Room 701 NW 1st Court	BLUEFIN, LLC.	Ty Stranger-Thorsen (Vice President of Bluefin)	Washington D.C. Smart Roof Program	61	15
Feb-14	14th at 9:00 am to 10:30 am	Overtown Transit Village 1st Floor Training Room 701 NW 1st Court	Broward County Pollution Prevention, Remediation, and Air Quality Division	Kay Sommers	Energy Rooftop Solar Challenge	34	12
Mar-14	17th at 2:00 pm to 3:30 pm	Presentation via Webcast	Motors@Work	Rod Ellsworth	Energy Savings through Motor Life Cycle Management	N/A	N/A
Apr-14	17th at 1:30 pm to 2:30 pm	Overtown Transit Village 1st Floor Training Room	Broward County Natural Resources Planning and	Carrie Kashar	Overview on the Municipal Green Initiatives Survey	34	7

Sustainable Buildings Lecture Series

Month	Date and Time	Location	Presenter	Contact	Topic	Registered	Attended
May-14	29th at 1:30 pm to 2:30 pm	Stephen P. Clark Government Center, 10th Floor Back Conf Room 111 NW 1st Street, 10th Floor	Gensis Lighting and Cree Lighting	Tom Hinds (Cree), Luis Anton and Linda Rainey (Genesis)	Overview of LED Lighting and New Integral Controls System	30	10
Jun-14	27th at 10:00 am to 2:00 pm	Internet based	Division of Emergency Management, in partnership with Volunteer Florida and Be Ready Alliance Coordinating for Emergencies	Jill Horwitz, Greg Strader, Necole Holton	Disaster mitigation techniques	N/A	N/A
Jul-14	23rd at 11:00 am to 12:00 pm	Stephen P. Clark Government Center, 10th Floor Back Conf Room (CITT) 111 NW 1st Street	Waste Management	Ms. Karen Hawkins	Waste Management's Organics offerings in Florida	24	6
Aug-14	28th 12 pm -2 pm	New Children's Courthouse	Internal Services Department	Jorge Orol	Sustainable Development and Green Building Projects	42	23
Sep-14	18th at 12:00 pm to 1:00 pm	Internet based	EnerNOC	Marty Griffith	Overview of Energy Intelligence Software (EIS)	N/A	N/A

Sustainable Buildings Lecture Series

Month	Date and Time	Location	Presenter	Contact	Topic	Registered	Attended
Nov-14	21st at 10 am - 11 am	Overtown Transit Village 7 th Floor Conf Room – North Side	Environmental Resources Management, RER	Carlos L. Hernandez	Overview of the Proposed Fats, Oils and Grease (FOG) Control Program	N/A	5
Jan-15	29th at 1:30 pm to 2:30 pm	Overtown Transit Village 1st Floor Training Room 701 NW 1st Court	BLUEFIN, LLC	Ty Stranger-Thorsen	Washington D.C. Smart Roof Program: Portfolio-Based Roof Asset and Energy Management	N/A	14
Feb-15	6th from 11 am - 12 pm	SPCC 19th Floor Conf Room	US Green Building Council Local Chapter	Jonathon Burgess	Introduction to the USGBC South Florida Chapter and Review of LEED Standards	N/A	15
Total						225	133

**Office of Sustainability Trainings
2007 - 2016**

Year	Course
2007-2009	LEED AP (Accredited Professionals)
2009-2010	LEED EB (Existing Buildings) OCI Construction Manager Training Sustainable Buildings Module
2010-2011	Sustainable Buildings Lecture Series Certified Energy Manager Green Building Certification Institute (GBCI) Accredited Course – Green Industries Best Management Practices, submitted by University of Florida’s Institute of Food and Agricultural Sciences (IFAS) Prioritizing Green Building Strategies
2011-2012	Sustainable Buildings Lecture Series Green Building Certification Institute (GBCI) Accredited Course – Green Industries Best Management Practices, submitted by University of Florida’s Institute of Food and Agricultural Sciences (IFAS)
2012-2013	Sustainable Buildings Lecture Series International Facility Management Assc. (IFMA) Essential Energy Management Solutions LEED Accreditation and Maintenance Green Building Certification Institute (GBCI) Accredited LEED Credential Maintenance Course-Construction Manager Training Sustainability Module Sustainable Capital Improved Process (S-CIP) U.S. Green Building Council (USGBC) LEED Webinars Subscription
2013-2014	U.S. Green Building Council (USGBC) LEED Webinars Subscription
2014-2015	Community-Based Social Marketing to Foster Sustainable Behavior Workshop U. S. Green Building Council (USGBC) LEED Webinars Subscription Sustainable Buildings Lecture Series Florida Solar Energy Center Commercial Energy Code Compliance and Verification 6 th Annual Southeast Florida Regional Climate Leadership Summit