


Date: July 12, 2022
To: Honorable Chairman Jose “Pepe” Diaz
and Members, Board of County Commissioners
From: Daniella Levine Cava
Mayor 
Subject: Report Regarding the Sustainable Buildings Program

Agenda Item No. 2(B)(9)
September 1, 2022

Chapter 9 of the Code of Miami-Dade County, Sections 9-71 through 9-75 together with Miami-Dade County Implementing Order IO 8-8 are known as the Miami-Dade County Sustainable Buildings Program. The goal of the program is to promote the use of a holistic approach to improve the longevity and efficacy of the County’s capital investments while also supporting positive health, environmental and economic outcomes for our community over the long term. The Sustainable Buildings Program is managed by Miami-Dade County Office of Resilience within the Regulatory and Economic Resources Department.

As required, the Office of Resilience provides regular updates on the Sustainable Buildings Program. The purpose of the attached report is to provide the latest updates on the status, outcomes and successes of County projects included in the Sustainable Buildings Program. To prepare this report, the Office of Resilience worked with all County departments to gather updates and outcomes for all projects subject to the program and analyze the benefits provided by the program.

In accordance with Ordinance No. 07-65, this report will be placed on the next available Board meeting agenda.

If you have questions concerning the above, please contact James F. Murley, Chief Resilience Officer, Department of Regulatory and Economic Resources, at 305-375-5593 or at James.Murley@miamidade.gov.

Attachment

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- Gerald Sanchez, First Assistant County Attorney
- Jess McCarty, Executive Assistant County Attorney
- Office of the Mayor Senior Staff
- Department Directors
- James F. Murley, Chief Resilience Officer, Department of Regulatory and Economic Resources
- Yinka Majekodunmi, Commission Auditor
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SUSTAINABLE BUILDINGS PROGRAM PROGRESS REPORT

July 2022

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Executive Summary

As the urban landscape has become increasingly dense and interconnected, the management of buildings and the infrastructure that surrounds them has become an increasingly critical factor in achieving healthy resilient communities. Miami-Dade County's buildings and infrastructure – collectively referred to as the “built environment” – directly affect the economic vitality of our region. The built environment also has consequences in terms of the effectiveness of County operations, the environmental impact of our endeavors, and the production and distribution of goods and services provided to the residents who live and work amongst these structures. Just as important, new construction and the renovation of existing structures provide critical opportunities to integrate sustainability and resilience principles into the design and management of these facilities to support a broad range of goals and outcomes.

The Sustainable Building Program was established in 2008 to provide consistent direction to County agencies and departments to assist them in the integration of sustainable materials and methods in the design, construction, and operation of County facilities. This was done in order to promote environmental quality, economic vitality, and societal benefits throughout the region's built environment. The Sustainable Building Program is actively managed by the Office of Resilience (OOR), which serves a critical role in coordinating these efforts across all County departments. The County has reported on the successes of the program since 2008. These accomplishments include more than \$3.7 million and 100,844,488 kWh in energy savings across 63 completed projects and the design of more than 7.3 million square feet of newly constructed and renovated building space. Looking forward, OOR projects additional future energy savings of at least \$23 million by 2030 from current on-going projects, encompassing an additional 4.2 million square feet of facility space. This includes a forecast energy savings of over 189,895,968 kWh, or 134, 576 metric tons of CO₂ emissions avoided.

Besides these important program-wide cost savings and energy reductions, collaborations between departments often lead to additional synergies with localized benefits. The County's Public Housing and Community Development Department (PHCD) offers outstanding examples of these achievements. Energy-efficiency benefits in public low- and moderate-income housing have had a dramatic impact on both the County's net carbon footprint and residents' bank accounts. As an example, tenants in low- and moderate-income housing are typically those who experience increased energy burdens, spending a higher percentage of their household income on utility bills. Thanks to their outstanding collaboration PHCD, external developers, and multiple County departments have been able to wisely leverage a variety of local, state, and federal government funding sources for maximum benefit through creative public-private partnerships. Similarly, the County's Department of Transportation and Public Works (DTPW) has noted equally impressive gains in terms of resilience and sustainability, recently receiving the Institute for Sustainable Infrastructure's Envision Silver Award for the Tamiami Park & Ride Station and the Envision Bronze Award for the Dolphin Park & Ride Station.

By adopting more sustainable building practices, and thus constructing and operating more efficiently, the County can ensure the long-term value of its capital assets while simultaneously supporting community resilience, health, and economic prosperity for decades to come. The current and projected future benefits outlined in this report are substantial, and they highlight the success of this program and its unique interdepartmental approach. The path that lies ahead for the now 14-year-old Sustainable Building Program promises to bring even more positive change - significant savings and other ancillary benefits forecast through the expansion of the exemplary work that now forms the foundation upon which the County can continue to build.

SUSTAINABLE BUILDINGS PROGRAM

OFFICE OF RESILIENCE
REGULATORY AND ECONOMIC RESOURCES

More than **\$3.7 million** saved and
100,844,488 kWh of electricity




Improved **7.27 million sq. ft.** with **63 completed** projects



Avoided **71,700 Metric Tons** of emissions



90 projects in-progress – an additional **\$27 million** in savings by 2030



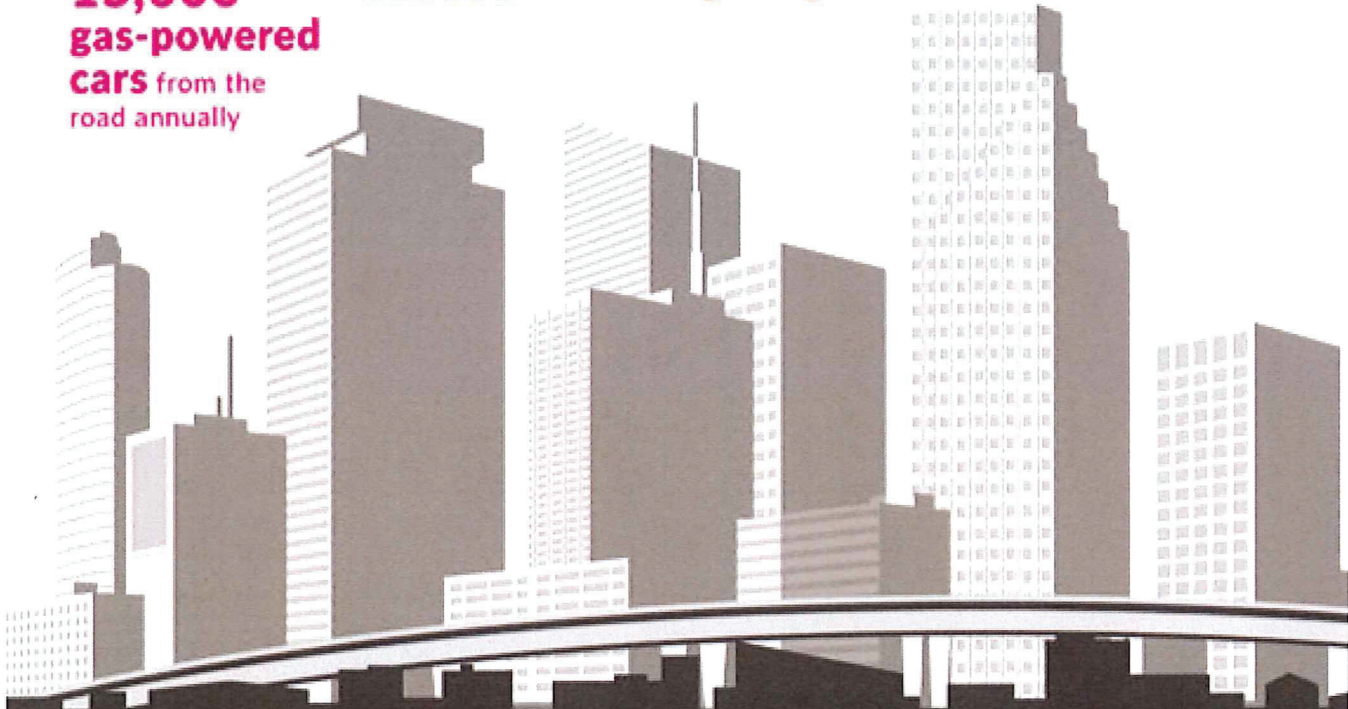
Second Envision Certified Project
in November 2021



Equivalent to removing **15,000 gas-powered cars** from the road annually



15 Years of the Sustainable Buildings Program

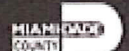



COMPLETED PROJECTS

-  Public Safety - 7
-  Health & Housing - 23
-  Transportation - 2
-  Neighborhood & Infrastructure - 5
-  Recreation & Culture - 12
-  Economic Development - 4
-  General Government - 10

The Sustainable Buildings Program provides guidelines for the sustainable design and construction of County-owned or financed building and infrastructure projects. In addition, as of 2021 Miami-Dade County is a LEED Gold certified community under the LEED for Cities and Communities certification program

miamidade.gov/resilience



Introduction

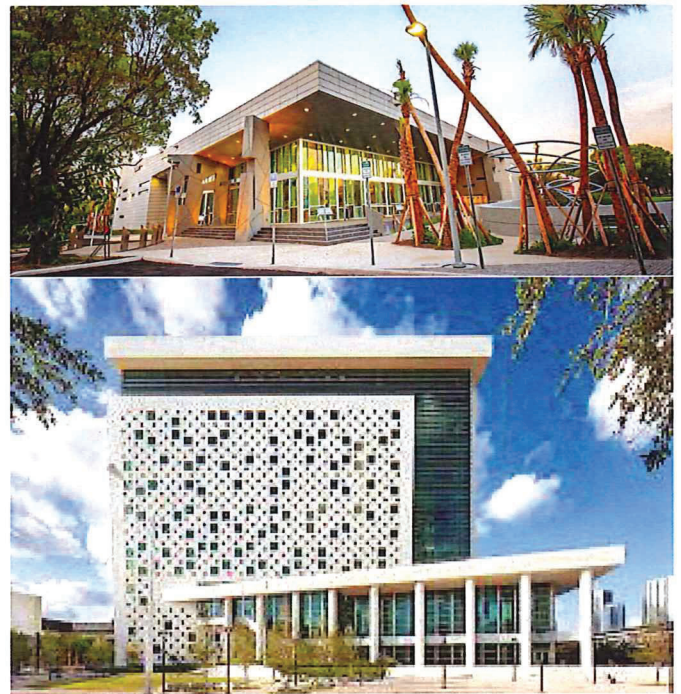
Established by Sections 9-71 through 9-75 of the Code of Miami-Dade County (Code), the Sustainable Building Program is a County policy to incorporate, wherever practical, green building practices into the planning, design, construction, management, renovation, maintenance and decommissioning of public projects. Initially the scope of the program focused on buildings, using the US Green Building Council's (USGBC) LEED certification as a third-party verification system to ensure projects incorporate effective sustainability practices. Since its beginning, the program has grown into a comprehensive package that also addresses infrastructure, a critical component of achieving sustainable and healthy communities. This is being accomplished through the adoption of the Envision rating system, a second third-party verification system which evaluates the sustainability of the design and construction of infrastructure projects. Together, these two complementary pathways to guide design decisions and independently evaluate buildings and infrastructure, respectively, enable the County to use a holistic approach to improve the longevity and effectiveness of its capital investments while also supporting positive health, environmental and economic outcomes for its community over the long term. Crucially, the Sustainable Building Program also supports the Climate Action Strategy and Resilient305 strategies, as well as the Building Efficiency 305 (BE305) program, LEED for Cities and Communities, and many other programs and regional partnerships.

The success of the Sustainable Buildings Program has positioned Miami-Dade County as a regional and national leader in building best practices. As described by Mahesh Ramanujam, President and CEO, USGBC, Green Business Certification Inc. and ArcSkoru, "Miami-Dade County has been a leader in driving the adoption of green building and operating practices that are necessary to support healthy and sustainable communities. USGBC and the County have partnered together over the last two decades to expand common goals and practices with the vision of improving quality of life for all residents. Through its Sustainable Building Program, the County is ensuring the value of its capital assets while delivering on resilience goals and promoting health and economic benefits for its people and businesses." Additionally, Miami-Dade County has been highlighted by Envision as a leader in green building as one of two national leaders recognized in their official guidance documentation.

Report History

The following report is being provided pursuant to [Ordinance 07-65](#) and [Implementing Order 8-8](#), which direct the preparation of progress report summarizing County performance under the Sustainable Buildings Program. This report was originally scheduled for release in September 2020. However, due to delays in the legislative process, the report is now being submitted for consideration in December 2021.

Figure 1: Photographs of the recently remodeled LEED certified Aventura Branch Library (top) and Children's Courthouse (bottom). The Aventura Library is the County's first "green" library, while the Children's Courthouse features a green-roof patio and a high-efficiency water system.



Legislative History

In 2022, an updated Ordinance and a revised Implementing Order 8-8 (I.O. 8-8) will be introduced, expanding the scope of the Ordinance to apply to all Public Infrastructure or Building projects. Updates to I.O. 8-8 specifically include the following benefits/proposed changes:

- Clarifying definitions and standards using a new easy-to-use format. Explanations and examples have also been provided to assist department staff in better understanding the benefits of high-performing, cost-effective, sustainable, and resilient assets.
- Expanding the program to include Miami-Dade County infrastructure projects using the Envision Rating System (standard) for Sustainable Infrastructure, per direction from the Board of County Commissioners (BCC) Resolution R-617-17 (June 6, 2017). This provides a complementary mechanism to guide and evaluate infrastructure design to ensure the program addresses sustainable building practices holistically.
- Clarifying applicability to public projects that are financed by the County using "other agreements" such as Public-Private Partnerships (P3's).
- Adding certain resilience and sustainability requirements and measures to expand upon requirements that the BCC has previously adopted such as the Cool Roof requirement (R-1103-10 approved on November 4, 2010 and R-54-18 approved on January 23, 2018) and designating these as "Prescriptive Path" required elements (if applicable) to be used to earn LEED or Envision credits that would otherwise be optional ways to earn LEED or Envision credits toward certification.
- Clarifying the procedure for requesting a substitution of the rating system standard.
- Providing a new mechanism for the BCC waiver process.

More detailed Sustainable Building Program Guidelines will be developed by the Office of Resilience and shared with all relevant staff once the updated Sustainable Buildings Ordinance and Implementing Order 8-8 are both approved by the BCC.

Program Overview

Program Accomplishments

The Sustainable Buildings Program is a results-driven program primarily overseen and administered by the Miami-Dade County Office of Resilience (OOR) within the Department of Regulatory and Economic Resources (RER). OOR works collaboratively across all County departments to ensure the program supports sustainability and cost-savings outcomes. Since the program started in 2009, the OOR-managed Sustainable Buildings Program has generated over \$3.7 million in energy savings and 71,700 metric tons of CO₂ in avoided emissions across 62 completed projects and more than 7.3 million square feet of renovated or newly constructed building space. An additional \$23 million and 189,895,968 kWh (equivalent to 134,576 metric tons of CO₂ emissions) in energy savings from the current 90 in-progress projects (spanning more than 4.2 million square feet) is forecasted to be achieved by 2030. Additionally, the program has supported the professional development of more than 500 County employees to further increase our institutional capacity related to sustainable building practices.

Program Management

The Sustainable Buildings Program is managed by OOR in close collaboration with many County departments to track all on-going projects and activities related to the program. When projects are identified as subject to the ordinance, OOR conducts an intake process as early in the project as possible. OOR establishes a working relationship with the project team, including both internal (County) and external team members (such as consultants), and collects detailed information on project scope, certification goals, and outlook.

Figure 2: Photograph of Cruise Terminal B at PortMiami, which received LEED Gold certification in November 2021.



If a project team requests a substitution of building rating standards (as allowed under the Program Ordinance), OOR reviews the requested ratings substitution and determines whether it is acceptable and equivalent. Throughout the program's history, the most common substitutions of standards have included the use of ParkSmart, Green Globes, the Florida Green Building Coalition Standard, and the National Green Building Standard. In many cases OOR supports projects that go above and beyond the requirements of the Sustainable Buildings Program, as in the case of exploring additional solar power storage functionality and capacity during Miami-Dade Fire Rescue renovations. These efforts provide valuable case-study opportunities to explore and document the benefits and outcomes associated with industry-leading resilience practices.

Finally, OOR manages and administers all training for County employees related to the Sustainable Buildings Program. For more details, see the "Training and Education" section below.

Program Engagement and Value

Inter-departmental collaboration and engagement is a core goal of the OOR-administered Sustainable Building Program. The program includes projects across 15 different County departments with which OOR maintains regular collaboration. OOR has worked closely with and enjoyed support for this program from ISD, PHCD, MDFR, DTPW, and PortMiami, among many other participating departments. OOR will continue providing this coordination, knowledge exchange, and training as value-added services across all departments through the administration of the Sustainable Building Program. Importantly, OOR depends on the continued support of and communication from these departments to maintain updated information about project progress, needs, and outcomes.

These efforts to invest in improving the resilience and sustainability of County buildings has shown promising positive payback. For example, in 2018, the County's LEED-certified Children's Courthouse used an average of 18% less electricity than the County's average for non-LEED courthouses. These cost savings, as well as reduced maintenance costs, add up for each year of operations and provide direct monetary benefits to the County, but also many other direct and indirect benefits to the County and the community. In addition, OOR's centralized management of the Sustainable Building Program on behalf of the departments provides tremendous administrative savings and value-added benefits.

Looking forward, OOR is planning to take the lessons and best practices learned through this experience to develop additional tools and resources to enable a more robust, coordinated approach to building and infrastructure planning. As an example, OOR is working to develop formal knowledge-sharing resources ("credit libraries") to support the needs of County teams and projects pursuing LEED and Envision certification, as well as a more comprehensive approach to benchmarking and monitoring building water and energy use.

Project Updates

Since 2009, the Sustainable Buildings Program has supported a total of forty-six (46) County projects to achieve LEED certification (or approved equivalent). An additional seventeen (17) completed projects were not eligible for the ordinance (did not meet thresholds for inclusion), but voluntarily incorporated sustainable measures into the design and construction. The program is currently tracking ninety (90) active projects: sixty-nine (69) qualifying projects in-progress that will seek LEED (or equivalent) certification and twenty-one (21) other projects in-progress that do not qualify for the ordinance but 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.

Completed Projects

Since the start of the Sustainable Buildings Program, a total of forty-six (46) County projects have been completed and achieved LEED or equivalent certification. These projects and their completion dates are listed in Table 1 below. An important highlight among these projects is the Tamiami Park and Ride Station, which was awarded Envision Silver in June 2020. This project represents the first County project to achieve the Envision certification and is an important step forward in successfully extending the practices and principles of the Sustainable Buildings Program to infrastructure projects. Given that infrastructure acts as the connective and supporting tissue of the built environment, the Tamiami Park and Ride is a key case study that provides an excellent example of the additional benefits and positive outcomes possible through the expansion of the program to include infrastructure and the Envision rating system. The Dolphin Station Park and Ride is the County's second infrastructure project developed using these sustainability practices and achieved Envision Bronze certification in June 2021. As the program evolves to formally adopt Envision with the pending I.O. 8-8 updates, the proportion of infrastructure projects in the Sustainable Buildings Program portfolio is expected to increase.

Figure 3: Photographs of Miami-Dade County's first two infrastructure projects to use the Envision rating system. The Dolphin Station Park and Ride (top) and Tamiami Station Park and Ride (bottom) utilized sustainable design and construction practices that included increasing permeable surface area and coordinated integration to existing transit infrastructure.



Table 1. Completed and certified projects in the Sustainable Buildings Program.

Number	Project Name	Department	Date Completed	Certification Level
1	Internal Services Department Trade Shops	ISD	November 2010	LEED Silver
2	Verde Gardens Homeless Shelter	PHCD	(1) Homes: November 2011 (2) Community Center: December 2011 (3) Fresh Market: January 2012	(1) Homes: LEED Gold (2) Community Center: LEED Silver (3) Fresh Market: LEED Silver
3	Miami Marlins Ballpark	ISD	March 2012	LEED Gold
4	Fairchild Tropical Botanic Gardens – Paul / Swanee Dimare Science Village	ISD	December 2012	LEED Silver
5	MIA Mover APM System Project	MDAD	March 2012	LEED Gold
6	Fire Station No. 40 – West Miami Additions	MDFR	November 2012	LEED Silver
7	Cruise Terminal D Expansion	PortMiami	September 2013	LEED Silver
8	ISD West Lot Office and Parking Facility	ISD	September 2013	LEED Gold
9	Joe Moretti Phase 1	PHCD	2014	NGBS Silver
10	Collins Park Apartments	PHCD	2014	NGBS Silver
11	Lillie M. Williams Head Start Center	ISD	October 2014	LEED Gold
12	Perez Art Museum	ISD	November 2014	LEED Gold
13	Green Turnkey (1500 NW 7 CT)	PHCD	2015	NGBS Silver
14	Gran Via Apartments Affordable Housing	PHCD	May 2015	LEED Silver
15	Children's Courthouse	ISD	September 2015	LEED Gold
16	Fire Station No. 64 – Miami Lakes	MDFR	November 2015	LEED Silver
17	Stirrup Plaza Phase 1	PHCD	2016	NGBS Silver
18	Stirrup Plaza Phase 2	PHCD	2016	NGBS Silver
19	Smathers Phase 1	PHCD	2016	NGBS Bronze
20	Fire Station No. 70 – Coconut Palm	MDFR	October 2016	LEED Silver
21	MLK Transit Station Office Building	DTPW	November 2016	GreenGlobes Level 3
22	Pre-Trial Detention Center Renovation and Expansion	ISD	November 2016	LEED Silver
23	Miami Science Museum	ISD	December 2016	LEED Gold
24	Aventura Branch Library	MDPLS	December 2017	LEED Silver
25	Cruise Terminal F Addition	PortMiami	December 2017	LEED Silver
26	Martin Fine Villas	PHCD	2018	NGBS Bronze
27	SWM Building at Northeast Transfer Station	DSWM	February 2018	LEED Silver
28	Cruise Terminal E Improvements	PortMiami	December 2018	LEED Silver
29	Three Round Towers – Tower A	PHCD	2019	NGBS Silver
30	Liberty Square Phase 1	PHCD	2019	NGBS Silver

Number	Project Name	Department	Date Completed	Certification Level
31	Senator Villas Affordable Housing	PHCD	September 2019	FGBC Homes Silver
32	Fire Station No. 62 – Palmetto Bay	MDFR	November 2019	LEED Silver
33	Cruise Terminal E Improvements	PortMiami	January 2019	LEED Silver
34	Jean-Juste Haitian Community Center at Oak Grove Park	PROS	April 2019	LEED Gold
35	Tamiami Park and Ride Station	DTPW	June 2020	Envision Silver
36	Fire Station No. 29 - Sweetwater	MDFR	December 2020	LEED Silver
37	Joe Moretti Phase 2A	PHCD	2021	NGBS Silver
38	Liberty Square Phase 2	PHCD	2021	NGBS Silver
39	Liberty Square Phase 3	PHCD	2021	NGBS Silver
40	Gallery at River Parc	PHCD	2021	NGBS Silver
41	Brisas del Rio	PHCD	2021	NGBS Silver
42	Smathers Phase Two	PHCD	2021	NGBS Silver
43	Smathers Phase Three	PHCD	2021	NGBS Gold
44	Dolphin Park and Ride Station	DTPW	June 2021	Envision Bronze
45	Cruise Terminal B	PortMiami	November 2021	LEED Gold

Additional Projects: Non-Qualifying Projects, Repairs, or Minor Renovations

Figure 4: Photographs of renovations and new construction at the Port of Miami Terminal D (top). The Port has successfully completed a number of sustainable building projects that include HVAC system upgrades, low-flow water uses plumbing fixtures, cool roofs, and more. Terminal D received LEED Silver certification in September 2013 (bottom).



In addition to projects which are subject to and must comply with the Sustainable Buildings program, a number of other projects are choosing to voluntarily seek LEED certification. For example, the Coconut Grove Playhouse falls outside the scope of the Ordinance but is voluntarily being constructed using LEED standards, aiming to achieve LEED Silver certification.

The Sustainable Buildings Program 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 and sustainable measures into many of these projects because they make sense from a practical and fiscal perspective. For example, the Zelda Glazer Soundscape Outdoor Space project will incorporate Cool Roof measures, and the completed Parks, Recreation and Open Spaces Department's (PROS) Senior Center at Arcola Lakes Park was equipped with a cool roof, energy efficient lighting, and efficient

water systems. For more information on all projects tracked in the Sustainable Building Program, please see Appendix A.

Education and Training

Through the Sustainable Building Program, OOR strives to fulfill its mission to transform the County by building capacity for implementing sustainability and resilience into its culture, operations, and service provision. This is accomplished through the coordination and administration of a variety of sustainability- and resilience-related trainings, detailed below. For more information on the full history of training in the Sustainable Building Program, please see Appendix B.

LEED Accreditation and Maintenance

OOR provides annual training for County employees to maintain LEED accreditation and Continuing Education (CE) webinars offered through the USGBC. USGBC allows County employees an opportunity to earn CE credits needed to maintain their accreditation by attending in-house trainings. The USGBC's large membership database and LEED webinars serves as a great resource in allowing the County to increase employee technical skills and knowledge and increase the number of certified projects within the Sustainable Buildings Program.

As of December 2021, the County had 100 accredited LEED staff members spanning at least 12 departments, including sixty-seven (67) LEED Professionals, 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, OOR manages Miami-Dade County's membership with the USGBC South Florida Chapter. This membership grants County employees access to LEED webinars and other resources. Miami-Dade

County, through OOR, has partnered with the USGBC to facilitate the accessibility of information and contacts in the green building sector to County employees. Some specific examples of benefits available through this membership include green building workshops and trainings (free to County employees) and USGBC memberships for 17 County employees to access technical assistance and additional educational opportunities. This training has been a key part of the Sustainable Buildings Program training curriculum throughout the program's existence and has continued to be offered throughout 2021.

Institute for Sustainable Infrastructure Envision Accreditation and Maintenance

Pursuant to R-617-17 and in consideration of the inclusion of Envision certification in the Sustainable Buildings Program, this training opportunity has provided 49 County Employees a complete Envision credential training course and exam to achieve the Envision Sustainability Professional (ENV SP) designation for FY2019-2020 and FY2020-2021. The training includes topics such as the components of Envision certification, the use of Envision to evaluate projects, how to determine levels of achievement in the Envision credits, how to navigate the Institute for Sustainable Infrastructure (ISI) online Envision portal and the verification process following submission. As the County's landscape and infrastructure projects increasingly utilize Envision certification, this training will provide a critical path for capacity building across County departments to support the implementation of sustainable practices. Envision training was also previously provided in FY2017-2018 and FY2018-2019.

Impact Infrastructure Autocase Training

In 2020 OOR supported three (3) virtual training sessions related to Impact Infrastructure's Autocase platform. These sessions supported County staff in developing in-house knowledge, expertise, and the skills necessary to perform and digest complex economic analyses of sustainable building projects. This includes cost-benefit analyses (CBA) and triple-bottom-line cost-benefit analyses (TBL-CBA). This training opportunity provided important value-added synergies with both the LEED and Envision ratings systems. Both LEED and Envision evaluation criteria contain credits explicitly tied to CBA and TBL-CBA analyses. Impact Infrastructure's Autocase Training also included access to a one-year license subscription for the Autocase software, which will be used to perform CBA and TBL-CBA on selected Sustainable Buildings Program projects to evaluate the costs and benefits of implementation. OOR leads the use of this software and the associated analyses as a service to other departments for a variety of projects. OOR also previously provided this training in spring 2019.

Figure 5: Photograph of a Sustainable Buildings Lecture Series walking tour.



Sustainable Buildings Lecture Series

Over the course of the Sustainable Buildings Program, the Sustainable Buildings Lecture series has provided County employees with an opportunity to explore a variety of topics within the realm of sustainable development and green building products, practices and technologies. For example, in 2020, OOR hosted the Mohawk Flooring group to provide a Biophilic Building Design workshop to 25 County employees. County employees who attended were also able to earn LEED credits for their participation. In 2017, the lecture series featured a guided LEED-focused tour of the Frost Science Museum to educate County employees on best practices in sustainable design.

Conclusions

The Sustainable Buildings Program has been successfully implemented by OOR over the past fifteen (15) years. During this period, the program has evolved from its original focus on sustainable buildings to become a comprehensive package that guides sustainable and resilient construction practices for both buildings and infrastructure. This has been accomplished through the integration of LEED and Envision as planning and design tools. In addition to considerable cost and energy savings, this program ensures the long-term value of the County's capital projects while also providing several other benefits to the community, and synergies with other County and regional programs. Looking forward, OOR is projecting at least an additional \$23 million and 189,895,968 kWh (equivalent to 134,576 metric tons of CO₂) in energy savings from the current in-progress project portfolio of 90 projects spanning. Furthermore, OOR will be developing detailed case studies of successful Sustainable Buildings Program projects to support a broader understanding of the benefits and best practices of sustainable and resilient building in Miami-Dade County.

**Appendix A: Sustainable Buildings Program (SBP) Project Tracking
Completed Projects (Eligible for SBP Ordinance)**

Project Name	County Department	Project Start Date, Estimated Construction Completion Date	Project Description	Project area (square feet)	Required Certification Level and Type	Project Status	Project SBP Compliance	Description of Project Status (e.g. 50% Design / Development, etc.) ³	Process Number (GBCI #, CIS #) Contract, 34 e CIS, Capital Project Number	County Project Manager (Name, Phone No. & Email)
Fairchild Tropical Botanic Gardens - Paul / Swannee Dimare Science Village	CUA	Completed 12/2012	Science Village includes science building, cafe, shadehouse	19410	LEED-NC - Silver	Completed	Qualifying	Completed and Certified	CIS - 298-70415	Lisa D'Andrea-Thompson dandrea@miamidade.gov
Miami Art Museum/Perez Art Museum	CUA	11/30/2010 12/01/2013	120,000 sq. ft. Interior; 80,000 sq. ft. Exterior	200000	Silver NC V2 LEED 2.2	Completed	Qualifying	Completed and Certified	GBCI-2021342975140942 & CIS - 296-70428	Alex Peraza operaza@miamidade.gov
Miami Science Museum	CUA	Spring 2011 End of 2016	Includes the outdoor, covered and semi-air conditioned areas	250000	LEED-NC - Gold v2	Completed	Qualifying	Complete and Certified	GBCI-1000028455 & CIS - 297-70430	Lisa D'Andrea-Thompson dandrea@miamidade.gov
SWFA Building at NE Transfer Station	DSWM	Design: 11/1/10	Office Admin bldg replaced temp trailer. Has solar panels for back up water heater, efficient toilets and fixtures, rain-water harvesting, and a hyper-insulated building envelope.	7090	LEED-NC - Silver v2009	Completed	Qualifying	Completed and Certified - February 2018	N/A	Design Section - Grecia Posada-Enriquez Construction Management - Luis Moreno and Patricia Cicero
Tamiami Panther Station Park and Ride	DTPW	6/20/20	Park and Ride Station for Express Bus Routes	339768	Envision	Completed	Qualifying	Construction completed. Emission certification achieved on 6/28/20	TBA	Ahmed A. Rasheed, PEDIPW, Ahmed.Rasheed@miamidad.gov
ED Trade Shops	ED	10/25/2008 10/20/2011	100,000 sq. ft.	100000	LEED-NC - Silver v2.2	Completed	Qualifying	Completed and Certified	GBCI-10304091 & CIS - W80021, 73082	Jose Perez/jperez@miamidade.gov
Martine Balpark	ED	1/1/2008 4/4/2012	36,500 Seats with 37,000 capacity 939,000 sq. ft.	939000	LEED-NC - Silver v2.2	Completed	Qualifying	Completed and Certified	GBCI-10220920 & CIS-G08#70269	Jose A. Galan/galanj@miamidade.gov
ISD West Lot	ED	2/1/2010 9/1/2012	Office Bldg. 810 Spaces Parking Garage	43500	Gold Core and Shell	Completed	Qualifying	Completed and Certified	GBCI-10525736 & CIS-W80052, GS01327693, W80052, 75447	Marc LaFrance, MS, CGC, LEED@AP Lafra@miamidade.gov
MLK Transit Station Office Building	ED	11/1/16	Upgrades to 5 story building including LED Lighting, HVAC, Energy Management System, and lifts.	184000	Green Globes Level 3	Completed	Qualifying	Completed and Certified - November 2016	N/A	N/A
Children's Courthouse	ED	3/1/2011 10/01/2014	and Miami-Dade Police Department (PADPD). It will also include approximately 108,700 sq ft of office space to house the programmed areas for Miami-Dade	371500	LEED-NC - Gold v2	Completed	Qualifying	Completed and Certified	GBCI-10003272 & CIS-W40114C, 75418	Jorge Oroz, CM2 J.Oroz@miamidade.gov
CAA Regional Head Start Center	ED	Re-start 04/15/2013 12/03/2014	16,350 sq. ft.	16350	LEED-NC - Silver v2.2	Completed	Qualifying	Complete	CIS 70302, 200045 & GBCI-10501118	Timothy Wright, ED, CMS WRRIGHT@miamidade.gov
Gran Via Apartments District 11	ED	1/21/2010 09/03/2014	Residential affordable housing aimed at 55+ age community	80000	LEED-NC - Silver v3	Completed	Qualifying	Completed and Certified	CIS - 2000107	Jesus Farinas, ED, CMS Jesus.Farinas@miamidade.gov
Pre-Trial Detention Center (PIDC) Renovation and Expansion	ED	9/10/2005 11/14/2016	18,279 sq. ft.	18279	LEED Silver O+M v4	Completed	Qualifying	Completed and Certified	CIS 70311, 200018 & GBCI-10523662	Richard Cabrera, ED, CMS rc3@miamidade.gov
New Northeast Dade - Aventura Branch Library	ED	8/10/2010 5/29/2015 (TCO) 5/31/2016 (Est. CO)	27,770 sq. ft.	27770	LEED-NC - Silver v2.2	Completed	Qualifying	Completed and Certified - December 2017	ED 200086, CIS 70309	Alejandro Rodriguez ALRODR@miamidade.gov
MIA Mover APIA System Project	MDAD	9/8/2008 9/7/2011	39,683 sq. ft. (2) levels	39683	LEED-NC - Silver	Completed	Qualifying	Completed. Awarded LEED GOLD Certification in March 2012.	GBCI - 10496152	Franklin Strup FSTRUP@miami-airport.com
Fire Station No. 64 Miami Lakes	MDFR	10/21/2010 06/15/2015	13,512 sq. ft.	13512	LEED-NC - Silver v4	Completed	Qualifying	Completed and Certified	GBCI - 2529866805141600	Margarita Garces mgarces@miamidade.gov
Fire Rescue Station No. 70 Coconut Palm	MDFR	1/1/2013 TBD	11,939 sq. ft.	11939	LEED-BC+C - Silver v3	Completed	Qualifying	100% complete October 2016 Certified Silver	GBCI - 1000014259	Edward Vilkreal, ejv@miamidade.gov
Fire Station No. 40 Addition	MDFR	12/16/2010 5/26/2012	3,913 sq. ft.	3913	LEED-NC - Silver v2.2	Completed	Qualifying	Completed and Certified - November 2012	GBCI - 1000005467	Edward Vilkreal, ejv@miamidade.gov
Fire Station No. 62 Palmetto Bay	MDFR	Design Start Date June, 2015 and Construction Completion January, 2018	10696 sq. ft.	10696	LEED-NC - Silver	Completed	Qualifying	Completed and Certified - November 2019	Project ID:1000061912	Edward Vilkreal

Appendix A: Sustainable Buildings Program (SBP) Project Tracking
Completed Projects (Eligible for SBP Ordinance)

Project Name	County Department	Project Start Date; Estimated Construction Completion Date	Project Description	Project area (square feet)	Required Certification Level and Type	Project Status	Project SBP Compliance	Description of Project Status (e.g. 50% Design / Development, etc.) ¹	Process Number (GBCI #, CIS #) Contract, Site CIS, Capital Project Number	County Project Manager (Name, Phone No. & Email)
PHCD Senator Vilas	PHCD	Project Completed 9/1/2019	Affordable elderly housing	13800	FGBC Homes v10, Silver level certification	Completed	Qualifying	Constructed completed (September 2019)	BD Project No. DB17-PHCD-01	Alexandra Ochoa, Development Division, Ph. (786) 469 4132 Fax (786) 469 4151 E-Mail: alexandra.ochoa@miamidade.gov
Verde Gardens Neighborhood Project	PHCD	5/10/2011; 5/11/2012	145 Units 147,970 sq. ft., Community Center; 4,020 sq. ft., and Fresh Market; 4,400 sq. ft.	156390	Residential Units - Gold; Community Center - Silver; Fresh Market - Silver V3 LEED 2009	Completed	Qualifying	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.	CIS - 207330 & GBCI Community Center-000010006 and Fresh Market-1000010008	Marc LaFrance, MS, CGC, LEED@AP LFRanM@miamidade.gov
Jean-Juste Hallion Community Center at Oak Grove Park	PROS	Completed 04/2019	A covered passenger drop-off entrance, a reception and lobby area, and assorted multipurpose rooms for staff, meetings, special events, games, fitness, cultural enrichment activities and after-school and adult programs.	20000	LEED-NC - Silver	Completed	Qualifying	Completed and Certified - April 2019	N/A	N/A
POM Cruise Terminal D Expansion	Seaport	08/01/2011 11/20/2012	Addition	27200	LEED-NC - Silver v2009	Completed	Qualifying	Completed and Certified	CIS-2011-014.05 1000019526	Victoria Valdez valdezv@miamidade.gov
POM Cruise Terminal F Addition	Seaport	10/24/2016 12/01/2017	Renovation and Addition	44080	LEED-NC - Silver v2009	Completed	Qualifying	Completed and Certified	CIS-2015-055 1000090306	Victoria Valdez valdezv@miamidade.gov
POM Cruise Terminal E Improvements	Seaport	01/23/2017 11/03/2017	10,837 sq. ft. Renovation and Addition	10837	LEED-NC - Silver	Completed	Qualifying	Completed and Certified - January 2019	CIS-2015-020 1000059133	Vivian Alfonso vilfonsov@miamidade.gov

**Appendix A: Sustainable Buildings Program Project List
Completed Projects (Not Eligible for SBP Ordinance - Voluntary Compliance)**

Project Name	County Department	Project Start Date: Estimated Construction Completion Date	Project Description	Project area (square feet)	Required Certification Level and Type	Project Status	Project SBP Compliance	Description of Project Status (e.g. 50% Design / Development, etc.)	Process Number (GBCI #, CIS #), Contract, Site CIS, Capital Project Number	County Project Manager (Name, Phone No. & Email)
New Scale House of Central Transfer Station	DSWM	Complete on 7/21/2014	New construction	688	Sustainable Measures	Completed	Not Eligible	Construction Complete on 7/21/2014.	CIS - 505670	Patricia Cicero (305) 514-6833 Patricia.Cicero@miamidade.gov
Truck Wash Facility	DSWM	11/12/2008 8/4/2015	Will recycle used water and collect rain water	N/A	Sustainable Measures	Completed	Not Eligible	Construction complete on 8/4/2015.	CIS - 504450	Patricia Cicero (305) 514-6833 Patricia.Cicero@miamidade.gov
Lehman Yard Expansion and Test Track	DTPW	02/13/13 05/31/16	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.	8360	Sustainable Measures	Completed	Not Eligible	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 #: D810-MD-01 PIP Contract #: CIP028-CT11809	Malka Rodriguez malkar@miamidade.gov
New Animal Services Facility/New Animal Shelter	ISD	12/04/2012 12/17/2016	70,000 sq. ft.	70000	Sustainable Measures	Completed	Not Eligible	100% Construction	CIS- 70392 & 7000108	Jesus Farinas jesus.farinas@miamidade.gov
Fire Station No. 24	MDFR	5/20/2011 7/18/2011	Partial replacement of 11,029 sq. ft. roof with new cool roof features	11029	Sustainable Measures	Completed	Not Eligible	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 Vitareal edv@miamidade.gov
Public Health Trust/Jackson Health Ryder Trauma Center Renovation	PHH	9/2011 - 12/2015	160,000 sq. ft.	160000	Sustainable Measures	Completed	Not Eligible	The project is complete and signed off by CoM, AHCA and FEMA by December 2015.	CIS - 51011105, A10-JMH-01	David Clark, Corporate Director, Facilities Design and Construction David.Clark@miam.org
Charles Deering Estate Improvements	PROS	Completed 2/2013	Chirp walkways (pervious, regional and SRI-29)	N/A	Sustainable Measures	Completed	Not Eligible	Walkway / boardwalk improvements completed	CIS - 70731	Cheney, K karen@miamidade.gov
Ameila Earhart Park Restroom Facilities (2)	PROS	9/15/2011 7/7/2015	1,500 sq. ft.	1500	Sustainable Measures - V3 NC min 40 points max points achievable 30	Completed	Not Eligible	Dedication ceremony on 11/21/15	CIS - 70722 #213001-11-001	Marquez, F MAR01@miamidade.gov
Chuck Pezokil Park - Solar Walkway Lighting	PROS	Jun-15	Solar walkway Lighting	N/A	Sustainable Measures	Completed	Not Eligible	Completed	F #592801-11-001	N/A
Westbrook Park - Walkway Solar Lighting	PROS	Jun-15	Solar walkway Lighting	N/A	Sustainable Measures	Completed	Not Eligible	Completed	GOB 111 #400801-13-001	N/A
Olympic Park - Walkway Lighting	PROS	09/19/14 3/29/16	LED walkway Lighting	N/A	Sustainable Measures	Completed	Not Eligible	Completed	# 493300-14-003	Garca, L garca@miamidade.gov
Military Trail Park - Park Lighting	PROS	7/10/2015 5/18/2016	Park Lighting	N/A	Sustainable Measures	Completed	Not Eligible	Completed	GOB 094 #320601-14-001	Brinson, M Brinson@miamidade.gov
POI M Electrification of Cranes 7 - 10	Seaport	10/21/2009 9/1/2011	Electric cranes more reliable; convert from diesel to electric	N/A	Sustainable Measures	Completed	Not Eligible	Completed.	N/A	Elizabeth Ogden eogden@miamidade.gov
POI M re-carpeting	Seaport	11/07/2013	Recycle of existing carpet at CTF&G	109534	Sustainable Measures	Completed	Not Eligible	Completed	2011-019,10A	Vivian Alfonso alfonso@miamidade.gov
Arcola Lakes Park Senior Center	PROS	9/29/2008 7/29/2013	Park Improvements includes new construction 14,000 sq. ft.	14000	LEED-NC - Silver	Completed	Voluntary	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"	CPF092PR1688, 70158	Marroquin, I ivan@miamidade.gov

**Appendix A – Sustainable Buildings Program (SBP) Project Tracking
Projects In Progress**

Project Name	County Department	Project Start Date; Estimated Construction Completion Date	Project Description	Project area (square feet)	Required Certification Level and Type	Project Status	Project SBP Compliance	Description of Project Status (e.g. 50% Design / Development, etc.) ¹	Process Number (GBCI #, CES #) Contract, Site CTS, Capital Project Number	County Project Manager (Name, Phone No. & Email)
Coccol Grove Playhouse	CJA	05/16/2015 10/16/2022	New Theater	TBD	LEED-NC - Silver	In Progress	Voluntary	Master planning	GBCI-TBA & CIS - #299	Marin Denis mdenis@miamidade.gov
Platform 3750	CAJED	2020	The development plan provides for the demolition of the existing building and replacing it with: 1) 191 rental units of which 78 are affordable; 2) a new mobile storage facility for CAHED, the State Department of Children and Families and the District 7 Commissioner; 3) 21,000 square feet of retail space that we have 2 fabulous national tenants committed to, including one tenant that will eliminate the area's designation as a food desert; 4) 13,500 square feet of Class A office space; and 5) a six-story parking deck.	91630	NGIS - Silver	In Progress	Qualifying	Design	TBD	Salvador E. Najeros Salvador.Najeros@miamidade.gov
Miami Dade County Auditorium	CJA	06/12/2014 12/31/18A	Renovation	39600	LEED-NC - Silver	In Progress	Qualifying	Scope Development	GBCI-TBA & CIS - #292	Alex Peraza aperaza@miamidade.gov
Cable Auditorium	CJA	06/12/2014 12/31/2022	Renovation	116300	LEED-NC - Silver	In Progress	Qualifying	Permitting	GBCI-TBA & CIS - #254	Alex Peraza aperaza@miamidade.gov
African Heritage Cultural Arts Center	CJA	06/12/2014 12/31/2020	Renovation	27200	LEED-NC - Silver	In Progress	Qualifying	Construction	CIS - #253	Alex Peraza aperaza@miamidade.gov
Westchester Cultural Arts Center	CJA	Construction starting 06/01/2020	New cultural building in tropical park	11000	Green Globes	In Progress	Qualifying	Construction	A13-CUA 01 G08 EP	Carolina Afonso (CUA) carana@miamidade.gov
History Miami	CJA	06/03/2015 12/31/18A	Renovation	TBD	LEED-NC - Silver	In Progress	Qualifying	Master planning - Phase I Completed	GBCI-TBA & CIS - #297.1	Lisa D'Andrea-Thompson lndandra@miamidade.gov
New Collections Building of Northeast Transfer Station	DSWM	10/29/2009 03/13/2016	7,090 sq. ft.	7090	Silver	In Progress	Qualifying	Construction Complete 03/13/2016. Preliminary review by USGBC complete. Comments sent to Consultant to be addressed before resubmittal.	CIS - 609950	Patricia Cicero (305) 814-6833 Patricia.Cicero@miamidade.gov
West/SW New Trash & Recycling Center	DSWM	9/16/2008 9/30/18D	1,600 sq. ft./ 600 sq. ft.	2100	Sustainable Measures	In Progress	Qualifying	Project is on hold. No change	CIS - 6064051	Gracia Pasada gpasada@miamidade.gov
Metrorail Dadeland South Renovations	DTPW	TBD	Station renovations	TBD	LEED for Transit	In Progress	Qualifying	Discussed potential certifications of project and was drafting bid documents		Isabel Padron isabel.padron@miamidade.gov
Metrorail Government Center Station Renovations	DTPW	TBD	The scope entails re-roofing, lightning protection and fire protection upgrades, elevator machine rooms enclosures re-fit, skylight refurbishment and new polycarbonate and aluminum roofs over existing open to the sky stairs.	TBD	LEED-NC - Silver	In Progress	Qualifying	Design package and scope of work development	TBD	Wilfredo Hernandez whernandez@miamidade.gov
Dolphin Station Park and Ride	DTPW	Design: 12/2017	Park and Ride Station for Express Bus Routes	TBD	Envision	In Progress	Qualifying	Construction complete, Envision certification has been submitted and awaiting verification	Index Code #: MTC#P147B12	Alex Camps, HNTB, acamps@hntb.com
CHG Station	DTPW	TBD	26.88 acres	TBD	TBD	In Progress	Qualifying	On 12/4/17 DTPW submitted application describing project		Ahmed A. Raheed, PEDP/W, Ahmed.Raheed@miamidade.gov
Metrorail Dadeland North Station Elevators	DTPW	7/27/18	Install 2 additional elevators to Dadeland North Station Parking Garage	7590	ParkSmart - Silver	In Progress	Qualifying	Conceptual Design Phase and determining if Envision is suitable standard	DTPW Project # CP 063	Sophia Romero, PE sromero@accoraul.com
160th St Park and Ride Facility	DTPW		The Southwest 160th Street Park-Ride Station Project (the Project) will provide multi-level parking facilities for BRT users. The SW 160th Street Station will consist of a multi-story parking garage, municipal bus drop-off platform, and BRT station. The station is one of the stations along the South Corridor project.	TBD	ParkSmart - Silver	In Progress	Qualifying			Ahmed A. Raheed, PEDP/W, Ahmed.Raheed@miamidade.gov
Civil Courthouse (to replace Courthouse on Flagler)	BD	02/01/2020 completion 2024	26 stories Civil and Probate Courthouse	642000	LEED-NC - Silver v4	In Progress	Qualifying	Groundbreaking February 3, 2020	BD 2000205	Francisco Suarez, Frank.suarez@miamidade.gov
ECC - Fire Parking Garage and Office Fit Out of LightSpeed Facility	BD	Construction start date TBD	Design/submit services to include the design and construction for the New Facility that will consist of the following: 12-story parking garage which will park 1,000 cars and house critical mobile assets for various departments including Miami Dade Fire Rescue (MDFR) and Miami Dade Police Department (MDPD). It will also include approximately 106,700 sq. ft. of office space to house the programmed areas for Miami Dade	106700	LEED-NC - Silver	In Progress	Qualifying	Design	1190030	Marc LaFrance, MS, CGC, LEED@AP Lafra@miamidade.gov
Culmer/Overlow Neighborhood Service Center	BD	6/13/2013 10/30/2020	Culmer/Overlow Neighborhood Service Center	38943	LEED Silver O+M v4	In Progress	Qualifying	Construction 50% complete	GBCI 1000045136 2000120	Audria Blatch@miamidade.gov
Richmond Heights Shopping Center	BD	3/18/2014 12/04/2020	15,000 sq. ft.	15000	LEED-NC - Silver v4	In Progress	Qualifying	Construction 35% complete	GBCI 1000102929, CIS- 200099 G08 321	Kevin Montero ISD, P/M Kevin.montero@miamidade.gov
The Empowerment Center (Domestic Violence Shelter)	BD	02/24/2015 to 12/04/2020	28,000 sq. ft.	28000	LEED-NC - Silver v4	In Progress	Qualifying	Construction 25% complete	CIS 76825	Kevin Montero ISD, P/M Kevin.montero@miamidade.gov

**Appendix A – Sustainable Buildings Program (SBP) Project Tracking
Projects in Progress**

Project Name	County Department	Project Start Date; Estimated Construction Completion Date	Project Description	Project Area (square feet)	Required Certification Level and Type	Project Status	Project SBP Compliance	Description of Project Status (e.g. 50% Design / Development, etc.)	Process Number (GSCI #, C3S #) Contract, Site C3S, Capital Project Number	County Project Manager (Name, Phone No. & Email)
MDFD Academy Building	BD	07/2016 5/30/2019	16,000 sq. ft.	16000	LEED-NC - Silver v4	In Progress	Qualifying	Construction 100% complete.	GSCI 1000097664 W15000A, D815-SD-01 SBP	Kevin Montero ISD, PAM kmonter@mtmiamidade.gov
MIA - Employee Parking Garage	MDAD	Design Start Date: 01/06/2020 Estimated Construction Completion Date: 04/23/2023	A seven level parking structure with 2,240 spaces for a total of 830,834 SF.	830834	ParkSmart - 140 Points	In Progress	Qualifying	Design Criteria Package 75% Completed	V042A	Jose Bergejo, RA, jbergejo@mtmiami-airport.com 305-869-3303
MIA Airport and Emergency Operations Control Center	MDAD	Design Start Date: 05/15/2019 Estimated Construction Completion Date: 11/09/2022	Security and Operations facility to monitor daily MIA functions with 12,290 SF of space.	12290	LEED-NC - Silver v4	In Progress	Qualifying	Schematic Design Phase 75% Complete	P250A	Lokhman Kamanuddin LKamanuddin@mtmiami-airport.com 305-869-1044
Fire Station No. 6	MDFR	Approved by the SCC on 1/15/2020	Complete demolition and rebuild of station	TBD	LEED-NC - Silver v4	In Progress	Qualifying	Permit recently issued, waiting for PO to issue NIP to Architect	Capital Project No. A18-MDR-01-A	Edward Vilares 786-331-4507; Edward.vilares@mtmiamidade.gov
Fire Station No. 17	MDFR	Approved by the SCC on 1/15/2020	Complete demolition and rebuild of station	5198	LEED-NC - Silver v4	In Progress	Qualifying	Design not scheduled to begin yet.	Capital Project No. A18-MDR-01-A	Edward Vilares 786-331-4507; Edward.vilares@mtmiamidade.gov
Fire Station No. 4	MDFR	Approved by the SCC on 1/15/2020	Complete demolition and rebuild of station	4600	LEED-NC - Silver v4	In Progress	Qualifying	Design not scheduled to begin yet.	Capital Project No. A18-MDR-01-A	Margarita Bules 786-331-4518; Margarita.bules@mtmiamidade.gov
Fire Station No. 5	MDFR	Approved by the SCC on 1/15/2020	Complete demolition and rebuild of station	3192	LEED-NC - Silver v4	In Progress	Qualifying	Design not scheduled to begin yet.	Capital Project No. A18-MDR-01-A	Margarita Bules 786-331-4518; Margarita.bules@mtmiamidade.gov
Fire Station No. 63	MDFR	Approved by the SCC on 1/15/2020	Complete demolition and rebuild of station	TBD	LEED-NC - Silver v4	In Progress	Qualifying	Work Order recently issued, waiting for PO to issue NIP to Architect	Capital Project No. A18-MDR-01-A	Margarita Bules 786-331-4518; Margarita.bules@mtmiamidade.gov
Fire Station No. 9	MDFR	Approved by the SCC on 1/15/2020	Complete demolition and rebuild of station	5736	LEED-NC - Silver v4	In Progress	Qualifying	Work Order recently issued, waiting for PO to issue NIP to Architect	Capital Project No. A18-MDR-01-C	Alberlo Perdigon 786-331-4507; Alberlo.perdigon@mtmiamidade.gov
Fire Station No. 19	MDFR	Approved by the SCC on 1/15/2020	Complete demolition and rebuild of station	8290	LEED-NC - Silver v4	In Progress	Qualifying	Design not scheduled to begin yet.	Capital Project No. A18-MDR-01-C	Alberlo Perdigon 786-331-4507; Alberlo.perdigon@mtmiamidade.gov
Dord Library	MDRLS	Meeting between MDRLS staff and DCP on 03/06/2020 to review the conceptual layout and program.	18,000-20,000 Square Foot Public Library	19000	LEED-NC - Silver	In Progress	Qualifying	Reviewing conceptual layout and program.	N/A	Alice Arguelles, alice.arguelles@mtmiamidade.gov 305-375-5106
Hialeah Gardens Library	MDRLS	Construction began September 2019 and is in progress, approximately 50% complete. Completion date 12/20	13,651 square foot Public Library	13651	LEED-NC - Silver	In Progress	Qualifying	Construction began September 2019 and is in progress, approximately 50% complete. Completion date 12/20	N/A	Alice Arguelles, alice.arguelles@mtmiamidade.gov 305-375-5106
Westchester Library Health and Wellness	MDRLS	Plans resubmitted for RFR review on March 2, 2020. Pending comments. Preparing documents for RFP solicitation. Expect to issue RFP by the end of March 2020	3,800 Square Foot Public Specialty Library with dedicated resources and programs for health and wellness	3800	LEED-NC - Silver v4	In Progress	Qualifying	Plans resubmitted for RFR review on March 2, 2020. Pending comments. Preparing documents for RFP solicitation. Expect to issue RFP by the end of March.	N/A	N/A
2 Homes	PHCD	TBD	2 Single Family Homes, targeting low income	3160	F GBC Homes v10, Silver level certification	In Progress	Qualifying	Requested substitution of certification	N/A	Manuel galarruch@poc.com
Jackson DIC Expansion	PHF	Design started July 2018 - Construction Complete Jan 2021	The project involves a 80,500 SF three-story addition to the west portion of the existing three-story DIC building. The addition will be comprised of three phases. The 5th and only phase currently in scope will accommodate 64 Intensive Care Units, a Pharmacy, and necessary support spaces on level 05 and 06 of the project with level 04 being completely stalled for future expansion.	80500	LEED-NC - Silver	In Progress	Qualifying	Construction	Activity #51018033	Ira Nunez ira.nunez@mtmiami.org
Christine E. Lynn Rehab Center	PHF	5/15 - March 2020	250,000 SF, 9 story rehabilitation hospital @ occupied, 1 shell, 96 bed capacity, inpatient and outpatient's gym, aquatic center & healing garden	250000	LEED-NC - Silver	In Progress	Qualifying	Building occupied. Demolition and site work of old building pending.	Activity #51018022	Ira Nunez ira.nunez@mtmiami.org

Appendix A – Sustainable Buildings Program (SBP) Project Tracking
Projects in Progress

Project Name	County Department	Project Start Date; Estimated Construction Completion Date	Project Description	Project area (square feet)	Required Certification Level and Type	Project Status	Project SBP Compliance	Description of Project Status (e.g. 50% Design / Development, etc.) ³	Process Number (GSCI #, CIS #) Contract, SB, CIB, Capital Project Number	County Project Manager (Name, Phone No. & Email)
Jackson West	PHF	4/16 – Spring 2021	235,000 SF 100 bed hospital with Emergency Department and full diagnostics, 40,000 SF Medical Office building and 457 vehicle parking garage.	295000	LEED-NC - Silver	In Progress	Qualifying	Construction	Activity #51314036	Jorge Garcia jorge.garcia@miamicidade.gov
Jackson Health Emergency Department of Galiano	PHF	1/20-12/21	10,000 SF freestanding emergency department and a multi-specialty primary care clinic.	10000	LEED-NC - Silver v4	In Progress	Qualifying	Design Development submitting for CFA review	Activity #51217130	Mari Lopez MariLopez@miamicidade.gov
New Live Like Bella Park Recreation Center [Previously known as Leisure Lake Park Recreation Center]	PROS	6/15/2015 7/1/2020	Prototype recreation center, 6,000 sq. ft.	5000	LEED-NC - Silver v2.2	In Progress	Qualifying	90% Construction	CIB - 70049 #790402-05-001	Ruben T Tolon (305) 755-7985 RTOLON@miamicidade.gov
North Glade Park Recreation Center	PROS	4/15/2015 6/1/2020	Prototype recreation center, 6,000 sq. ft.	5000	LEED-NC - Silver	In Progress	Qualifying	95% Construction	CIB - 70157 #210701-05-001	Ruben T Tolon (305) 755-7985 RTOLON@miamicidade.gov
Oak Grove Park Halligan Community Center	PROS	8/15/2014 COMPLETED	19,200 sq. ft.	19000	LEED-NC - Gold v2	In Progress	Qualifying	Close out	COB	Guillermo R. Pala 305-755-7914 willp@miamicidade.gov
Nes Estates Park Adult Sports Complex	PROS	11/27/2014 08/07/2022	Sport Complex and Maintenance Bldg.	780	LEED-NC - Silver	In Progress	Qualifying	Pre-Design	COB 18	Adela Merinez (305) 755-7816 AdelaM@miamicidade.gov
Chuck Pezacki Library	PROS	Permit and dry run 8/20; Bidding/award 12/15/20; Estimated completion date 12/15/21	6,000 Square Foot Public Library	6000	LEED-NC - Silver	In Progress	Qualifying	Qualifies and In Progress	N/A	Alice Argueta, alice.argueta@miamicidade.gov 305-375-8106
Port Miami Terminal B	Seaport	Design 5/1/2018 Construction 5/29/2020	New Terminal with Parking Garage; 8.25 acres	363098	LEED-NC - Silver	In Progress	Qualifying	95%	N/A	Victoria Valdez valdez4@miamicidade.gov
Port Miami New Terminal V	Seaport	Design started in January 2020; est. completion by 11/2020	Planning a new Terminal where the old Terminal H is located	100000	LEED-CS - Silver	In Progress	Qualifying	20%	N/A	Victoria Valdez Phone: 305-347-3239 Email: valdez@miamicidade.gov
Port Miami Cruise Terminal F Expansion Phase II	Seaport		In order to accommodate Carnival's growth of PortMiami, and specifically its XL Class vessels, the parties have agreed to invest in improvements to renovate and expand Cruise Terminal F so that Carnival may have preferred berthing rights of a renovated and expanded Cruise Terminal F. Includes 200,000 sq ft exterior renovations and 100,000 sq ft interior renovations.	388000	LEED-NC - Silver	In Progress	Qualifying	Currently still in the negotiation process, has not yet entered design/bid	2018-047	Victoria Valdez Phone: 305-347-3239 Email: valdez@miamicidade.gov
South Miami Heights Maintenance Facility	WASD	TBD	Located on 17.2 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.	115000	LEED-NC - Silver	In Progress	Qualifying	100% Design	TBD	James Ferguson, James.Ferguson@miamicidade.gov
Drinking Water Quality Lab	WASD	Design Start Date August 2020	11,000 sq. ft.; Laboratory and Office Building	11000	LEED-NC - Gold v4	In Progress	Qualifying	Design	TBD	TBD
South Dade Government Center Plaza Waterpooling	ISD	Design 2012; Construction 3/9/20 7/30/20		20000	Sustainable Measures	In Progress	Not Eligible	Project is ongoing approx. 35% complete	11190002	Kevin Montero 305 469 7048 kavimmonero@miamicidade.gov
Zebra Glass Soundscapes Outdoor Spaces	ISD	Schematic Design Start 2/1/20	3.5 Acres Soundscapes Outdoor Space with cool roof features	700	Sustainable Measures	In Progress	Not Eligible	Schematic Design Phase	W200011	Carolina Sola 305 375 2125 carolinasola@miamicidade.gov
MIA Airport Refueling Center West Cargo Fueling Hood Rack Relocation	MDAD	Start: 3/01/18	Consists of the relocation of the West Cargo Fuel Facility consist of a 1,330 sq. ft. operator's building, a 1,140 sq. ft. filter building, the relocation of 10,000 UL-295 diesel tanks, and a refueling area.	2740	Sustainable Measures	In Progress	Not Eligible	Design 100 % complete. Construction 30% complete	N/A	Joaquin Powell jpowell@miamicidade.gov 305-794-6690
JMH Ra-roof Project	PHF	TBD	TBD	N/A	Sustainable Measures	In Progress	Not Eligible	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@miamicidade.gov
Charles Dining Estate Window Sil and Shutter and HVAC Enhancements	PROS	10/30/2015 1/29/2017	HVAC Enhancements	25400	Sustainable Measures	In Progress	Not Eligible	50% Design	COB 026 #502501-14-001	Marques F Fernando.marques@miamicidade.gov
Multiple Parks - Energy Performance Contract	PROS	Ongoing various	Honeywell Contract - Energy Efficiency	N/A	Sustainable Measures	In Progress	Not Eligible	Monitoring	#999999-12-003	Carajo, N nc612@miamicidade.gov

Appendix A – Sustainable Buildings Program (SBP) Project Tracking
Projects in Progress

Project Name	County Department	Project Start Date; Estimated Construction Completion Date	Project Description	Project Area (square feet)	Required Certification Level and Type	Project Status	Project SBP Compliance	Description of Project Status (e.g. 50% Design / Development, etc.) ¹	Process Number (GSCI #, CIS #) Contract, Site CIS, Capital Project Number	County Project Manager (Name, Phone No. & Email)
Hivido Mission Everglades	PRCS	11/8/10 7/6/16	Front entry (2 acres) retail concessions, fishing multi-purpose building; renovation of existing retail and conversion into Florida Discovery Lab and Exhibit area (4 acres)	261360	Sustainable Measures	In Progress	Not Eligible	100 % Completed. Closed out	COB 47	Angel Inujillo (angin@miamicidade.gov)
Greynolds Park Renovations and Improvements	PRCS	7/1/2009 TBD	Less than 3,000 sq. ft.	3000	Sustainable Measures	In Progress	Not Eligible	100 % Completed. Closed out	CIS - 70135	Marinez, A Adela (am@miamicidade.gov)
Homes Inland Air Reserve Park Access Road and Parking Lot LED Lighting	PRCS	11/4/2015 11/1/16	Parking Lot and Access Road LED Lighting (Approximately 70,000 sq. ft.)	70000	Sustainable Measures	In Progress	Not Eligible	Bidding Phase	COB 34 # 693601-13-003	Marin Brinson (brinson@miamicidade.gov)
Molton Hammocks Sea Level Rise Feasibility Study	PRCS	TBD	Feasibility study to improve area survivability	N/A	Sustainable Measures	In Progress	Not Eligible	Scoping	COB 26 # 510601-15-004	Jose Gonzalez 7833 Jose.G@miamicidade.gov (805) 755-
Biscayne Shores and Gardens Park - Local Park Improvements	PRCS	11/1/2014 2/1/2018	Recreation Bldg / energy efficient lighting systems, plumbing fixtures and mechanical system	10000	Sustainable Measures	In Progress	Not Eligible	Construction	COB 26 # 510601-15-004	Jose Gonzalez 7833 Jose.G@miamicidade.gov
Port Miami Terminal J Improvements	Seaport	12/10/2018 9/30/2020	Terminal J CBP Improvements	56120	Sustainable Measures	In Progress	Not Eligible	60% Construction	N/A	Victoria Valdez valdez@miamicidade.gov

Appendix B – Sustainable Buildings Program Training Opportunities: 2007-2021

Fiscal Year (FY)	Training Content
2007-2009	LEED Accredited Professionals (AP) Training
2009-2010	LEED Existing Buildings (EB) Training
2010-2011	Sustainable Buildings Lecture Series
	Certified Energy (CE) Manager Training
	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 Association (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)
	US Green Building Council Annual Florida Chapter Membership and Sponsorship ¹
2013-2014	US Green Building Council Annual Florida Chapter Membership and Sponsorship ¹
2014-2015	Community-Based Social Marketing to Foster Sustainable Behavior Workshop
	US Green Building Council Annual Florida Chapter Membership and Sponsorship ¹
	Sustainable Buildings Lecture Series
	Florida Solar Energy Center Commercial Energy Code Compliance and Verification
	61h Annual Southeast Florida Regional Climate Leadership Summit
2015-2016	Community-Based Social Marketing – Fostering Sustainable Behavior Training
	US Green Building Council Annual Florida Chapter Membership and Sponsorship ¹

¹ The Office of Resilience maintains annual membership and local sponsorship which, among many benefits, provides County employees with access to LEED CEU-Driven Webinars, 17 County Employee Memberships, free/discounted educational programs, tours, events and access to USGBC staff for technical assistance with information related to green buildings and communities.

Fiscal Year (FY)	Training Content
2016-2017	Benchmarking Training Workshop: Introductory Training
	US Green Building Council Annual Florida Chapter Membership and Sponsorship ¹
2017-2018	Envision Sustainability Professionals (ENV SP) Credential Workshop and Certification Exam
	Frost Museum LEED Tour
2018-2019	Envision Sustainability Professionals (ENV SP) Credential Workshop and Certification Exam
	Biophilic Design Workshop presented by Mohawk Flooring
	University of Miami Green Professionals (GPRO) Training
	Impact Infrastructure Autocase Platform Training
2019-2020	US Green Building Council Annual Membership and Sponsorship ¹
	Impact Infrastructure Autocase Platform Training
	Institute for Sustainable Infrastructure (ISI) Envision Sustainability Professionals (ENV SP) Credential Workshop and Certification Exam
2020-2021	US Green Building Council Annual Membership and Sponsorship ¹
	Institute for Sustainable Infrastructure (ISI) Envision Sustainability Professionals (ENV SP) Credential Workshop and Certification Exam