

Sustainability and Resilience

PLAN, PROTECT, PRESERVE



Sustainable Miami Shores

PLAN, PROTECT, PRESERVE

PROJECTS

Public Works Current
and Future Initiatives
By Mr. Chris Miranda



- **Septic to Sewer Master Plan**

- Commission a study on the feasibility of implementing a septic-to-sewer conversion throughout the entire Village.
- RFQ issued - submittals due on October 16, 2023.

<https://www.msvfl.gov/departments/procurement/CurrentSolicitations>

- **Storm-water Master Plan**

- Commission a study of the entire Village's existing Storm-water system that will identify areas that need replacement or new construction.
- Working on RFQ

- **Hardening of Village Facilities**

- Library and Community Center. Providing impact windows and doors for greener buildings.

- **Tree City USA**

- Tree Ordinance drafted to provide regulations for tree preservation as required to apply to become a Tree City USA.
- First reading on October 17, 2023
- Seeking funding for Urban Forest Master Plan



- **Shores Estates Septic to Sewer/Stormwater Stations**
 - Awarded two (FDEP) Grants to implement a Septic-to-Sewer system and a Stormwater Pump Station that will reduce Nutrient Loading in the C-8 Biscayne Canal and alleviate flooding during King Tides.
 - Both projects will deliver roadway improvements, drainage, new pavement markings, and site restoration throughout the project area.
 - Design completed to 100%. Funding to be completed and approved.

- **Flagler Trail Greenway Study**

- The Village sought a grant to conduct a *Flagler Trail Greenway Study to analyze the potential for a continuous north/south walking and bicycling route through the Village.*
- *Funded by FDOT*
- *Under Cone-of-Silence! Procurement process to select design consultant.*

C-8 Biscayne Canal Brick Grant Partnership

- The Village is in partnership with South Florida Water Management (SFWM) to upgrade the structure for resiliency at the C-8 Biscayne canal.



- **NE 104th Street Drainage Improvements**
 - Awarded a grant from the FDEP for the design and construction of a drainage system to reduce flooding and water intrusion on NE 104th Street.
 - Award to design firm. Procurement to use CCNA list.
- **NE 8th Avenue Street Drainage Improvements**
 - Design and Construction of a drainage system to reduce flooding and water intrusion on NE 8th Avenue between 90th St to Biscayne Blvd.
 - Has been awarded to design firm.
- **Neat Streets**
 - On-going effort, this year we were awarded as well.
 - Over 10 years, awarded the Neat Street Grant increasing tree canopy throughout the Village.



- **Bayfront Park Seawall**

- This area experiences coastal flooding due to extreme high tides and storm surges and is vulnerable to the impacts of rising sea levels.
- Awarded to design firm Chen Moore.
- 30% design completion.



- **Little River Adaptation Area Grant Partnership**

- In partnership with Miami Dade County, El Portal, and the City of Miami to help reduce nutrient loading and contamination of the Little River Adaptation Area.

COMPLETED PROJECTS

- **Converted all streetlights to LEDs**
 - Streetlights replaced with LED streetlights that are sustainable and cost-efficient and consume less energy.
- **Neat Streets Miami-Dade County**
 - Over 10 years, awarded the Neat Street Grant increasing tree canopy throughout the Village.
 - Over 50 trees were planted this year with an overall of 500 trees planted to date.
 - In 2016 the Tree Canopy was 20.09% with the Neat Streets Tree Grant, increased the canopy to 28.85% in 2020.
- **Integrated Pest Management Best Practices (IPM Resolution)**
 - Implemented an effective and environmentally sensitive pest management approach that relies on common-sense practices through the IPM Resolution.
- **Low-Pressure Sewer System**
 - Constructed an innovative Low-pressure sewer system for 27 properties in the downtown district.
- **Hardening of Village Facilities**
 - Village Hall, Public Works Complex, Field House, and Police Department Building – Impact windows and doors.

MS4 Permit

- ▶ Federal National Pollutant Discharge Elimination System (NPDES) program
- ▶ Municipal Separate Storm Sewer System Permit (MS4s)
- ▶ Storm-water Management Program (SWMP)

SOPs

- ▶ Public Works SOPs
- ▶ Building Department SOPs
- ▶ Neighborhood Services SOPs

Stormwater Penalty Calculation Worksheet

Facility ID: FLS000003-004 / FLS267139
 Violator's Name: Miami Shores Village
 Program: STW
 Date: 9/6/2023 ☒ Revision
 Staff: Matt Irwin

☐ This calculation is for the purposes of settlement and the ELRA penalty schedule calculation exceeds \$50,000.

Permit Citation	Violation Description	Comments/Justification	Total
V.B	Failure to submit a complete Assessment Program.	Submitted Assessment Program 12/13/2022; approved by Department	\$0
III.A.1	Failure to maintain an up-to-date inventory of the structural controls and roadway stormwater collection structures owned or operated by the permittee.	Submitted SOP with revised inventory 2/24/2023	\$750
III.A.1	Failure to implement a structural control inspection program including maintaining an SOP, inspecting French drains and pollution control boxes, and documentation of activities.	Submitted complete SOP 4/1/2023	\$750
III.A.2	Failed to maintain comprehensive planning processes that limit increases in the discharge of pollutants in stormwater as a result of new development, and reduce the discharge of pollutants in stormwater from redeveloped areas, consistent with the requirements set forth in the ERP rules of the local water management district.	Submitted adopted ordinance 7/20/2023	\$750

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III.A.7.a	Failure to develop an illicit discharge prohibition.	Submitted adopted ordinance 7/20/2023	\$750
III.A.7.c	Failure to implement an proactive illicit discharge detection and elimination program, including maintaining an SOP, performing proactive inspections, and documenting activities.	Submitted complete SOP 3/21/2023	\$750
III.A.7.c	Failure to develop a reactive investigation SOP.	Submitted complete SOP 3/21/2023	\$750
III.A.7.c	Failure to implement an illicit discharge training program including maintaining an SOP and training staff on illicit discharges.	Submitted complete SOP 3/21/2023	\$750
III.A.7.d	Failure to implement a spill response training program including maintaining an SOP and training staff on spill response.	Submitted complete SOP 8/12/2023	\$750
III.A.7.e	Failure to develop an illicit discharge education and outreach SOP.	Submitted complete SOP 8/12/2023	\$750
III.A.7.f	Failure to develop a household hazardous waste education and outreach SOP.	Submitted complete SOP 8/12/2023	\$750
III.A.7.g	Failure to develop a sanitary sewer overflow SOP.	Submitted complete SOP 8/12/2023	\$750
III.A.8.a	Failure to implement a High-Risk Facility program including maintaining a facility list and SOP, performing inspections, and documenting activities.	Submitted complete SOP 1/27/2023	\$0



✓ What is the Community Rating System (CRS)?

CRS is a voluntary program that encourages communities to adopt floodplain management activities that exceed the minimum NFIP requirements. In exchange for these activities, participating communities receive a discount on their flood insurance premiums.

✓ How does the Community Rating System Work

Communities that participate in the CRS are assigned a class rating ranging from 1 to 10, with 1 being the best and 10 being the worst. The class rating is based on the community's level of floodplain management activities. These activities can include things like maintaining accurate flood maps, adopting strict building codes, and providing public education on flood risks.

✓ What are the benefits of the Community Rating System?

There are several benefits of the CRS, including reduced flood insurance premiums, increased property values, and improved safety for residents. Additionally, participating in the CRS can help to build community pride and sense of accomplishment.

	COMMUNITY RATING SYSTEM	VERIFICATION REPORT
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Village of Miami Shores, FL	Verified Class 5
NFIP Number: 120652	Modification
Date of Verification Visit: February 6, 2023	

This Verification Report is provided to explain the recommendations of Insurance Services Office, Inc. (ISO) to DHS/FEMA concerning credits under the Community Rating System (CRS) for the above named community. The modified activity elements are shown in bold text within the activity statement.

A total of 1542 credit points were verified under the prior cycle. This modification results in a new total of 2573 credit points and a recommendation that the community improve from a CRS Class 7 to a CRS Class 5. The community has met all Class 5 prerequisites. The following is a summary of our findings with the total modified points in parenthesis:

Activity 310 – Construction Certificate Management: Credit is provided for having written construction certificate management procedures for all new and substantially improved/substantially damaged buildings. (38 points)

Activity 320 – Map Information Service: Credit is provided for furnishing inquirers with basic flood zone information from the community's latest Flood Insurance Rate Map (FIRM). Credit is also provided for the community offering flood depth data, historical flood information, and natural floodplain functions. The service is publicized annually and records are maintained. (70 points)

Activity 330 – Outreach Projects: Credit is provided for informational outreach projects, general outreach projects, and targeted outreach projects. These projects are disseminated annually. Credit is also provided for having a pre-flood plan for public information. **Credit is enhanced by having a Program for Public Information (PPI) and by having the information disseminated by stakeholders outside the local government. A progress report for the PPI must be submitted on an annual basis.** (350 points)

- ▶ Create a dedicated Library section of flood educational books and other materials
- ▶ Assigned monthly Newsletter section for flooding-related articles
- ▶ Working with the creation of a Public Information Committee (PPI)
- ▶ Information campaigns with realtors and contractors
- ▶ Dissemination of flooding information during events
- ▶ Improved local website to provide flood-related items (maps, links to federal and county links)

Thank You

For more information email hasbunc@msvfl.gov