

# City of South Daytona

## Public Works Department

Post Office Box 214960 • South Daytona, FL 32121 • 986/322-3020



### MEMORANDUM

To: James L. Gillis, Jr., City Manager

From: Steven Danskine, Public Works Director/CRS Coordinator

Date: May 3, 2023

Re: Resolution No. 2023-09 City of South Daytona Floodplain Management Plan Annual Progress Report

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#### **Introduction:**

This memorandum serves to request approval and signature of Resolution No. 2023-09, attached to this memorandum, for the City of South Daytona Floodplain Management Plan Annual Progress Report.

#### **Background Information:**

The Federal Emergency Management Agency (FEMA), National Flood Insurance Program (NFIP) Community Rating System (CRS) Program is a voluntary incentive program that recognizes and encourages community floodplain management activities that exceed the minimum NFIP requirements. The primary reason the City participates in this FEMA program is to provide residents and business owners located in a Special Flood Hazard Area (SFHA) the opportunity to receive discounted flood insurance premiums. In addition, CRS floodplain activities provide enhanced public safety, a reduction in property damage and public infrastructure, a reduction of economic loss and protection of the environment.

The City partners with Volusia County Emergency Management Department and other CRS communities in a Local Mitigation Strategy (LMS) group. Through that partnership, the LMS has developed the Volusia County Integrated Floodplain Management Plan to meet the NFIP-CRS criteria. As part of the annual requirements, the City of South Daytona has developed a Mitigation Action Plan specific to South Daytona that follows proposed actions to address concerns attributed to flooding and storm damage. This document is updated annually as part of the Volusia County Floodplain Management Plan.

The updated annual progress report is included as Exhibit "A" in this memorandum. For the City to receive credits under the CRS Activity 510 Floodplain Management Planning, this document must be distributed to our local media and made available to the public. A copy of this report will be kept in the Community Development Department at City Hall and available for review upon request.

**Recommendation:**

Staff recommends approval and signature of Resolution No. 2023-09.

**Attachments:**

1. Exhibit “A”: City of South Daytona Floodplain Management Annual Progress Report
2. Resolution No. 2023- 09

# **Exhibit “A”**

## **City of South Daytona Floodplain Management Plan Annual Progress Report (2023)**

The City continuously strives to achieve each of the City’s mitigation initiatives. The City of South Daytona Floodplain Management Plan was incorporated into the Volusia County Integrated Floodplain Management Plan by Resolution and the annual progress report update.

A copy of the Volusia County Integrated Floodplain Management Plan 2020 Update is available for review by contacting the County of Volusia Emergency Management Department at (386) 254-1500. Other Flood and Floodplain information may be accessed at the County of Volusia website: <https://www.volusia.org/services/public-protection/emergency-management/types-of-disasters/floods/>. The City of South Daytona 2023 Annual Progress Report is available for review at the City of South Daytona Community Development Department upon request.

### **1.) Volusia County Integrated Floodplain Management Goals and Objectives**

**Countywide Goal 1**-Prevent new development in the floodplain from increasing runoff and resulting in increases in flood volumes in the floodplain.

**Status:** *Achieved through the City of South Daytona Floodplain Management Ordinance, City Code of Ordinances, building permit process, drainage system maintenance and stormwater management plans.*

**Countywide Goal 2** –Develop and maintain a proactive public awareness and outreach that informs and notifies property owners that they are in a flood zone and provides assistance and information regarding flood zones, protection of property, local drainage, and sewer back-up problems.

**Status** – *City staff has encouraged homeowners of repetitive loss structures to apply for Hazard Mitigation Assistance Grants designed to raise their homes out of the flood zone to prevent future loss. The City has also posted flood maps throughout City Hall and discussed, in detail, with interested residents on how being in a designated flood zone impacts their homes and surrounding community. The City also provides information in its Annual Outreach contained in the City newsletter. Residents and businesses are encouraged to contact the City for assistance with flood zone questions and flooding issues.*

**Countywide Goal 3** - Continue with the Hazard Mitigation Grant Program to identify and obtain funding for both pre-and-post disaster residential mitigation projects regarding flooding.

**Status** – *City staff attends quarterly Local Mitigation Strategy (LGS) meetings and submits eligible projects as they are identified.*

**Countywide Goal 4** - Reduce the number of repetitive loss properties within Volusia County.

**Status** – *The City encourages interested homeowners to apply for Hazard Mitigation Assistance Grants designed to raise their homes out of the flood zone to prevent future loss. City staff has explored grant opportunities with interested homeowners and attended meetings to assist homeowners with applying for funding for the repair and raising of homes that qualify.*

**Countywide Goal 5** - Review the locations and effects on areas that experience flooding and determine what steps, if any, the County and municipalities can take to alleviate future impacts.

**Status** – *Achieved through Floodplain Management planning and stormwater management planning.*

## **2.) City of South Daytona Floodplain Management Plan Implementation**

**City Goal 1** – To protect human life and health through the preparation of emergency response teams from the Fire, Police and Public Works Departments.

**Status** – *The City annually reviews and updates (as needed) the South Daytona Disaster Recovery Plan. The plan outlines interdepartmental coordination for a unified response to disasters including flooding events. The Fire, Police, Public Works, Parks and Recreation, Building, Economic Development and the Community Development departments play vital roles in the implementation of any emergency response.*

**City Goal 2** – Provide leadership in protecting residential properties from the impacts of floods by coordinating historical data with updated stormwater management studies to identify possible flooding concerns.

**Status** – *The City Council and City Manager are dedicated to the protection of the community from flooding issues. South Daytona is a coastal community with an average ground elevation of about 6.0' above sea level. This geographical feature dictates the need to be active, aggressive, and responsive to the community needs for flood protection while realizing that the best way to prevent flooding in a flood zone is to raise homes above the base flood elevation.*

**City Goal 3**– To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public with proper planning and cost-effective storm water improvements.

**Status** – *The City is continuously assessing the Stormwater Infrastructure and making necessary improvements as needed. South Daytona implemented a Stormwater Utility Fee to maintain stormwater infrastructure and fund projects with \$30,000,000 spent in the past 30 years on stormwater improvements.*

**City Goal 4** – To minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets and bridges located in floodplains through hardening facilities and Public Works Department preparedness.

***Status** – Public Works in conjunction with other utility and service providers work together to maintain in proper condition, replace when needed, and harden when necessary, all utilities, streets, and bridges within the City.*

**City Goal 5** – To help maintain a stable tax base by providing for the sound use and development of flood prone areas in such a manner as to minimize flood blighted areas.

***Status** – An integral part of a stable tax base for sound development is adhering to sound development codes and stormwater protection. South Daytona has in place a very strict development code that exceeds the minimum requirements set forth in the Florida Building Code and the Community Rating System Program.*

**City Goal 6**– Provide advice to property owners by the Floodplain Manager and Chief Building Official, concerning the protection of their properties from flooding.

***Status** – This service is provided on request by the Floodplain Manager and Chief Building Official and has been an invaluable outreach program to assist homeowners and business owners with their localized drainage issues.*

**City Goal 7** – Maintain a Public awareness program that informs all property owners in the flood zones through mail-outs and website.

***Status** – City staff continues to mail letters annually to homeowners of repetitive loss structures and those located in the SFHA regarding their location/status of their flood zone. The City website, newsletter and social media accounts provide annual and ongoing outreach to residents and businesses for Public Awareness of flood and floodplain information.*

**City Goal 8** – Maintain an aggressive grant program to identify and obtain funding for both pre- and post-disaster mitigation projects through the Community Development, Public Works and the Redevelopment Departments.

***Status** – City staff continues to apply for grants to improve drainage and reduce flooding citywide. The City has submitted for Hazard Mitigation Grant Program projects which have been accepted by the Volusia County LMS Program for inclusion following Hurricanes Ian and Nicole. These projects are intended to harden the City's wastewater and stormwater pumping facilities. The City has received over 30 million dollars over the past 30 years for stormwater improvements that have reduced the probability of flooding during most severe weather events while realizing that excessive amounts of rainfall, such as 20 inches of rain or more, will result in flooding in flood zone areas unless homes are raised above the base flood elevation.*

**City Goal 9** – Create programs to manage the surface water runoff through maintaining an updated stormwater management plan through the Public Works Department in conjunction with the Floodplain Manager and Chief Building Official.

***Status** – South Daytona has a Master Drainage Plan that is updated regularly with field data collected by Public Works after major storm events. Improvements are designed for areas with reoccurring flooding issues.*

**3.) Failure to meet objectives or implement goals/initiatives.**

*The City of South Daytona is a small municipality with limited funding; however, has done a substantial amount of flood mitigation over the years utilizing grant opportunities. The City strives to meet the objectives and initiatives of the plan as funds allow each year.*

**4.) New projects and recommendations.**

*New Mitigation Projects:*

*Permanent Generators at each Lift and Pump Station  
Sherwood Forest Stormwater Pond and Pump Station  
Public Works Emergency Operation Center (EOC)  
City Hall Complex Generator  
Reed Canal Park Pump Station  
Harborside Subdivision Overflow Pump Station  
Sewer System Pipe Lining  
Lift Station #1 (Bellewood Avenue) Replacement  
Lift Station #5 (Violet Street) Replacement  
Lift Station #9 (Sandusky Road) Replacement  
Lift Station #13 (Lantern Drive) Replacement  
Lift Station #14 (Aspen Drive) Replacement  
Lift Station #15 (Foxcroft Lane) Replacement  
Stormwater Pump Station SCADA Control System*

**Past Mitigation Projects approved by the LMS and Status:**

VOL-0244 – Golfview Subdivision Retrofit – Phase V Stormwater. Completed 2008.  
VOL0245 – Lantern Park Retrofit – Phase V Stormwater. Completed in 2016.  
VOL-0247 – Western Road Stormwater Improvements. Completed 2006.  
VOL0248 – Greenbriar Subdivision Retrofit. Completed 2012.  
VOL-0378 – Stevens Canal Outflow Pond. Completed 2010.  
VOL-0395 Reed Canal Stormwater Treatment Facility. Completed 2012.  
VOL-0453 Lantern Subdivision Retention Pond. Completed in 2016.  
VOL-0469 Jones Street Stormwater Project. Completed in 2017.  
VOL-0471 Windle Lane Stormwater Project. Completed in 2020.

## **RESOLUTION NO. 2023-09**

### **A RESOLUTION BY THE CITY COUNCIL OF THE CITY OF SOUTH DAYTONA, FLORIDA AUTHORIZING THE ADOPTION OF THE 2023 UPDATE TO THE CITY OF SOUTH DAYTONA ANNUAL PROGRESS REPORT FOR THE CITY'S FLOODPLAIN MANAGEMENT PLAN; PROVIDING FOR CONFLICTING RESOLUTIONS; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, areas of the City of South Daytona are vulnerable to the human and economic costs of natural, technological, and societal disasters, and

**WHEREAS**, the City of South Daytona governing body realizes the importance of reducing or eliminating those vulnerabilities for the overall good and welfare of the community, and

**WHEREAS**, the City of South Daytona has been an active participant in Volusia Prepares, the Local Mitigation Strategy working group, which has established a comprehensive, coordinated planning process involving the county and its municipalities, as well as other public and private sector organizations, to eliminate or decrease these vulnerabilities, and

**WHEREAS**, the City of South Daytona representatives and staff identify, justify, and prioritize proposed projects and programs as needed to mitigate the vulnerabilities of areas of South Daytona to impacts of future disasters, and

**WHEREAS**, the City of South Daytona updates its Floodplain Management Plan annually to include the status of projects and programs to mitigate flooding, and

**WHEREAS**, the City of South Daytona Floodplain Management Plan is incorporated into the 2020 Volusia County Multi-Jurisdictional Local Mitigation Strategy Plan that was updated and approved in January 2020.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF SOUTH DAYTONA, VOLUSIA COUNTY, FLORIDA:**

**Section 1. Description of Actions.** The City Council of the City of South Daytona approves the updated Annual Progress Report for the City's Floodplain Management Plan.

**Section 2. Repealer.** All prior resolutions, if any, which conflict with this resolution are hereby repealed.

**Section 3. Severability.** If any section, subsection, sentence, clause, phrase or portion of this resolution, or application hereof, is for any reason held invalid or unconstitutional by any Court,

such portion or application shall be deemed a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions or application hereof.

**Section 4. Effective Date.** This resolution shall become effective immediately upon its adoption.

APPROVED AND ADOPTED upon first and final reading at the regular meeting by the City Council of the City of South Daytona, Florida on the day of 9<sup>th</sup> day of May 2023.

SIGNED:

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William C. Hall, Mayor

ATTEST:

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James L. Gillis, Jr.  
City Manager

CERTIFIED AS TO FORM:

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Wade C. Vose  
City Attorney