

<b>Date:</b> 11/19/2024		<b>AGENDA ITEM</b>		<b>Item: 03</b>	
<input type="checkbox"/> Ordinance		<input type="checkbox"/> Resolution		<input type="checkbox"/> Budget Resolution	
<input type="checkbox"/> Other					
<b>County Goals</b>					
<input type="checkbox"/>	More Efficient Regulatory Framework	<input checked="" type="checkbox"/>	Increase Efficiency and Effectiveness of Government Operations	<input type="checkbox"/>	Implement a Plan for Expanded Recreation
<input type="checkbox"/>	Enhance Fiscal Stewardship	<input type="checkbox"/>	Support a Solution-Oriented Culture	<input type="checkbox"/>	NA
<b>Department:</b> Leadership					
<b>Division:</b> Recovery and Resiliency					
<b>Subject:</b> Community Development Block Grant - Disaster Recovery Hurricane Ian - Recommendation of infrastructure and mitigation projects					
Suzanne Konchan Director Leadership Approved By:  <i>Suzanne Konchan</i>  Department Approval		Legal  Thomas Russell Brown Senior Assistant County Attorney Approved By:  <i>Thomas Russell Brown</i>  Approved as to Form and Legality		County Manager's Office  Ryan Ossowski Chief Financial Officer Approved By:  <i>Ryan Ossowski</i>	
Dona DeMarsh Butler Director Recovery and Resiliency Approved By:  <i>Dona Demarsh Butler</i>  Division Approval					
<b>Council Action:</b>					
<b>Modification:</b>					
<b>Account Number(s):</b> NA					
<b>Total Item Budget:</b> NA					
<b>Staff Contact(s):</b> Dona Butler			<b>Phone:</b> 386 943 7029		<b>Ext.</b> 12893
<b>Summary/Highlights:</b> In September of 2022, Hurricane Ian made landfall in Volusia County, causing significant destruction and flooding. In December 2022, Congress appropriated \$3 billion to the Housing and Urban Development (HUD) department in Community Development Block Grant - Disaster Recovery (CDBG-DR) grant funds for long term storm recovery. Subsequently in May of 2023, HUD released a Federal Register Notice (88 FR 32046) allocating \$328.9 million in CDBG-DR funding to Volusia County for recovery from Hurricane Ian.  The action plan was approved by the County Council on October 3, 2023, and submitted to HUD for their review and approval. HUD provided approval on February 28, 2024. The plan					

allocated \$92,910,000 for infrastructure and mitigation projects for county, city and non-profit entities.

Recovery and Resiliency staff have been working with county divisions, cities and non-profits interested in infrastructure and mitigation funding for repair of infrastructure or mitigation against future flooding since April of this year. Most of our applicants received disaster recovery consulting services to assist them with their applications.

This item seeks approval of the list of eighteen projects: sixteen from municipalities and two from the county. Attached is a spreadsheet listing all the projects and summary description and scoring sheets for each of the projects. Each project presented qualifies for funding under the HUD program criteria. The requested grant awards total \$60,765,603 with anticipated total project costs totaling \$108,844,754. The grantees will be responsible for the remaining \$48,079,152 of costs through a pass-through billing of their share of the cost of construction. Additionally, any overages due to construction design and pricing will be the responsibility of the sponsoring entity (city, non-profit, etc.) for each project.

The County will handle all procurement according to 2 CFR 200 to comply with federal requirements associated with CDBG-DR. The county will manage construction and associated monitoring of the construction related to both Section 3 and Davis-Bacon. Each project will be brought back to the County Council after procurement for final approval.

Remaining funds in this category will be available for a second round of project grants to be solicited in 2025. These funds are anticipated to be supplemented with available funds from other program categories.

This agenda item also proposes to transfer \$18,000,000 in funds from three areas: \$5,000,000 from planning, \$3,000,000 from rental repair and \$10,000,000 from new multi-family construction, to the mitigation category. This would increase the total available for infrastructure and mitigation to \$110,910,000.

**Recommended Motion:** Approve

Entity Name	Project Title	CDBG Funds Requested	Total Project Cost	Score
Daytona Beach	Lift Station 15 Replacement Project	\$1,925,000	\$2,616,500	80
Daytona Beach	Lift Station 17 Replacement Project	\$1,575,000	\$2,126,000	85
Daytona Beach	Lift Station 18 Replacement Project	\$1,575,000	\$2,126,000	80
Daytona Beach	Lift station 22 Replacement Project	\$1,950,000	\$2,636,000	77
Daytona Beach Shores	Sewer Improvement & Retrofit N. of Dunlawton	\$1,907,000	\$5,378,000	75
Daytona Beach Shores	Masterstation, Liftstation & Forcemain Imprvts.	\$3,709,767	\$26,310,805	80
Edgewater	Mitigation: Canal Armoring	\$3,071,000	\$4,150,000	70
Edgewater	Floodproof/Harden Wastewater Plant	\$1,575,000	\$2,100,000	55
Holly Hill	Chemical Tank Replacements	\$600,000	\$800,000	64
Holly Hill	Storm Sewer Pipe Lining	\$4,081,180	\$5,441,573	29
New Smyrna Beach	Corbin Park Stormwater Improvements	\$6,000,000	\$8,451,220	50
Orange City	Mill Lake Mitigation and Improvement Project	\$15,268,656	\$18,388,656	69
South Daytona	Lantern Park Stormwater Pond	\$3,150,000	\$3,500,000	75
South Daytona	Sherwood Forest Stormwater Pond	\$1,125,000	\$4,500,000	84
South Daytona	Aspen Stormwater Pond Expansion	\$1,000,000	\$4,000,000	90
South Daytona	Stevens Canal Bank Stabilization	\$2,500,000	\$2,500,000	57
VC EMS	EMS Operations Building	\$6,800,000	\$10,600,000	65
VC Road/Bridge	N. Beach St. Grade Raise Improvements	\$2,953,000	\$3,220,000	46

<b>\$60,765,603</b>	<b>\$108,844,754</b>
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Leverage Amount	<b>\$48,079,152</b>
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LMI 51% or above	<b>\$52,587,603</b>
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LMI 50% or below	<b>\$8,178,000</b>
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LEGEND
Municipality
County



CDBG-DR Infrastructure & Mitigation Scoring Summary

Application Information	
Name:	City of Daytona Beach-19
Project Title:	Lift Station 15 Replacement Project
Project Description:	This project seeks to replace Lift Station No.15, located at 301 Wilson St, Daytona Beach, which is a city-owned, wet-dry well type configuration lift station constructed in 1959. The station is located in Special Flood Hazard Area A and is subject to flooding during heavy rain events. The station sits within the 100-year floodplain. Failure of this station from flooding can potentially back up raw sewage into 3,500 structures.

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$2,616,500.00	CDBG-DR Percentage:	74
Total CDBG-DR Funding:	\$1,925,000.00	<b>Leveraged Funding Score:</b>	10

LMI Area Benefit (up to 20 points)			
LMI Percentage:	63	<b>LMI Area Benefit Score:</b>	15

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	20

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	15

Cost Benefit Analysis (up to 10 points)	
<b>Cost Benefit Analysis Score:</b>	10

Environmental Impact (up to 10 points)	
<b>Environmental Impact Score:</b>	10

Ease of Permitting (up to 5 points)	
<b>Ease of Permitting Score:</b>	0

TOTAL	
<b>Total Points from all Sections:</b>	80
<b>Percentage of Maximum Points:</b>	80



CDBG-DR Infrastructure & Mitigation Scoring Summary

<b>Application Information</b>	
Name: City of Daytona Beach-26	
Project Title: Lift Station 17 Replacement Project	
Project Description: This project seeks to replace Lift Station No. 17, located at 326 Parkway St., Daytona Beach. This is a city-owned, wet-dry well type configuration lift station constructed in 1950. The station is located in Special Flood Hazard Area AE and is subject to flooding during heavy rain events. This project also includes the addition of an emergency generator.	

<b>Leveraged Funding (up to 20 points)</b>			
Total Project Cost:	\$2,126,000.00	CDBG-DR Percentage:	74
Total CDBG-DR Funding:	\$1,575,000.00	<b>Leveraged Funding Score:</b>	10

<b>LMI Area Benefit (up to 20 points)</b>			
LMI Percentage:	79	<b>LMI Area Benefit Score:</b>	20

<b>Level of Flood Risk Reduction (up to 20 points)</b> <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	20

<b>Quantity of Flood Risk Reduction (up to 15 points)</b> <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	15

<b>Cost Benefit Analysis (up to 10 points)</b>	
<b>Cost Benefit Analysis Score:</b>	10

<b>Environmental Impact (up to 10 points)</b>	
<b>Environmental Impact Score:</b>	10

<b>Ease of Permitting (up to 5 points)</b>	
<b>Ease of Permitting Score:</b>	0

<b>TOTAL</b>	
<b>Total Points from all Sections:</b>	85
<b>Percentage of Maximum Points:</b>	85



CDBG-DR Infrastructure &

Mitigation Scoring Summary

Application Information	
Name: City of Daytona Beach-28	
Project Title: Lift Station 18 Replacement Station	
<p>Project Description: This project seeks to replace Lift Station No. 18, located at 708 Madison Av, Daytona Beach. This is a city-owned, wet-dry well type configuration lift station constructed in 1950. The station itself and the majority of the gravity sanitary sewer mains which drain to the lift station are located within the 100-year FEMA floodplain. Failure of this station from flooding can potentially back up raw sewage into 3,300 structures. In addition, an emergency generator will also be included in the project. The existing station does not have a generator.</p>	

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$2,126,000.00	CDBG-DR Percentage:	74
Total CDBG-DR Funding:	\$1,575,000.00	<b>Leveraged Funding Score:</b>	10

LMI Area Benefit (up to 20 points)			
LMI Percentage:	70	<b>LMI Area Benefit Score:</b>	15

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	20

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	15

Cost Benefit Analysis (up to 10 points)	
<b>Cost Benefit Analysis Score:</b>	10

Environmental Impact (up to 10 points)	
<b>Environmental Impact Score:</b>	10

Ease of Permitting (up to 5 points)	
<b>Ease of Permitting Score:</b>	0

TOTAL	
<b>Total Points from all Sections:</b>	80
<b>Percentage of Maximum Points:</b>	80



CDBG-DR Infrastructure &

Mitigation Scoring Summary

Application Information	
Name: City of Daytona Beach-29	
Project Title: Lift station 22 Replacement Project	
<p>Project Description: This project seeks to replace Lift Station No.22, located at 703 N Beach St, Daytona Beach, which is a city-owned, wet-dry well type configuration lift station constructed in 1950. The station is located in Special Flood Hazard Area AE and is subject to flooding during heavy rain events. Failure of this station from flooding can potentially back up raw sewage into 600 structures. In addition, an emergency generator will also be included in the project. The existing station does not have a generator.</p>	

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$2,636,000.00	CDBG-DR Percentage:	74
Total CDBG-DR Funding:	\$1,950,000.00	<b>Leveraged Funding Score:</b>	10

LMI Area Benefit (up to 20 points)			
LMI Percentage:	82	<b>LMI Area Benefit Score:</b>	20

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	20

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	15

Cost Benefit Analysis (up to 10 points)	
<b>Cost Benefit Analysis Score:</b>	2

Environmental Impact (up to 10 points)	
<b>Environmental Impact Score:</b>	10

Ease of Permitting (up to 5 points)	
<b>Ease of Permitting Score:</b>	0

TOTAL	
<b>Total Points from all Sections:</b>	77
<b>Percentage of Maximum Points:</b>	77



CDBG-DR Infrastructure &

Mitigation Scoring Summary

Application Information	
Name: CITY OF DAYTONA BEACH SHORES-20	
Project Title: Sewer Improvements & Retrofit North of Dunlawton Ave.	
Project Description: This project seeks to waterproof manholes and gravity sewer lines found to need rehabilitation and updates. The city has had the sewer system GIS mapped and condition assessed. This assessment has identified all areas of the sewer system needing updates and rehabilitation. Through the assessment and this project, the city is developing a sewer asset management plan that will include long-term replacements and upgrades of the existing infrastructure to mitigate future issues. The city will develop an action plan to reduce and address these issues.	

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$5,378,000.00	CDBG-DR Percentage:	35
Total CDBG-DR Funding:	\$1,907,000.00	<b>Leveraged Funding Score:</b>	<b>15</b>

LMI Area Benefit (up to 20 points)			
LMI Percentage:	39	<b>LMI Area Benefit Score:</b>	<b>5</b>

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	<b>20</b>

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	<b>15</b>

Cost Benefit Analysis (up to 10 points)	
<b>Cost Benefit Analysis Score:</b>	<b>10</b>

Environmental Impact (up to 10 points)	
<b>Environmental Impact Score:</b>	<b>10</b>

Ease of Permitting (up to 5 points)	
<b>Ease of Permitting Score:</b>	<b>0</b>

TOTAL	
<b>Total Points from all Sections:</b>	<b>75</b>
<b>Percentage of Maximum Points:</b>	<b>75</b>



Application Information	
Name: CITY OF DAYTONA BEACH SHORES-18	
Project Title: Masterstation, liftstation & forcemain improvements & upgrades	
<p>Project Description: The City of Daytona Beach Shores' wastewater improvement projects are needed to maintain existing operations, improve emergency operations, and ensure compliance with all regulations. The project will involve:</p> <ul style="list-style-type: none"> <li>replacing the existing sewer force mains along SR A1A. The current force main system is outdated and poses a significant risk of environmental hazards due to potential breaks along the barrier island, jeopardizing both the ecosystem and public health.</li> <li>making Improvements to all 12 City-owned lift stations. New emergency power generators will be installed to prevent the interruption of collection system operations.</li> </ul>	

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$26,310,805.00	CDBG-DR Percentage:	14
Total CDBG-DR Funding:	\$3,709,767.00	<b>Leveraged Funding Score:</b>	20

LMI Area Benefit (up to 20 points)			
LMI Percentage:	39	<b>LMI Area Benefit Score:</b>	5

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	20

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	15

Cost Benefit Analysis (up to 10 points)	
<b>Cost Benefit Analysis Score:</b>	10

Environmental Impact (up to 10 points)	
<b>Environmental Impact Score:</b>	10

Ease of Permitting (up to 5 points)	
<b>Ease of Permitting Score:</b>	0

TOTAL	
<b>Total Points from all Sections:</b>	80
<b>Percentage of Maximum Points:</b>	80



CDBG-DR Infrastructure &

Mitigation Scoring Summary

Application Information	
Name: City of Edgewater-01	
Project Title: Mitigation Canal Armoring	
Project Description: The City of Edgewater wishes to improve its existing canal system in order to improve functionality for stormwater mitigation. Currently, erosion and stabilization problems have been identified with the canals between Umbrella Tree Drive and Travelers Palm Drive (“Travelers-Umbrella Canal”), and Unity Tree Drive and Vista Palm Drive (“Unity-Vista Canal”). The proposed projects within these areas primarily consist of stabilizing the banks and canal bottoms, repairing or replacing damaged infrastructure, and planting new vegetation (Sod).	

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$4,150,000.00	CDBG-DR Percentage:	74
Total CDBG-DR Funding:	\$3,071,000.00	<b>Leveraged Funding Score:</b>	10

LMI Area Benefit (up to 20 points)			
LMI Percentage:	53	<b>LMI Area Benefit Score:</b>	15

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	20

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	15

Cost Benefit Analysis (up to 10 points)	
<b>Cost Benefit Analysis Score:</b>	0

Environmental Impact (up to 10 points)	
<b>Environmental Impact Score:</b>	5

Ease of Permitting (up to 5 points)	
<b>Ease of Permitting Score:</b>	5

TOTAL	
<b>Total Points from all Sections:</b>	70
<b>Percentage of Maximum Points:</b>	70



CDBG-DR Infrastructure &

Mitigation Scoring Summary

Application Information	
Name: City of Edgewater-02	
Project Title: Infrastructure: Floodproofing and Hardening Wastewater Treatment Plant/Operations Building	
Project Description: The City of Edgewater proposes to harden the Operations Building at the Edgewater Wastewater Treatment Plant for wind and floodproofing of the structure to protect life and property in the event of another similar flood to Hurricane Ian (2022) when the structure experienced flooding throughout the treatment plant facility site. This resulted in a shutdown of the facility for approximately 72 hours where residents, employees, critical operation electrical components, computers and equipment were all at risk.	

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$2,100,000.00	CDBG-DR Percentage:	75
Total CDBG-DR Funding:	\$1,575,000.00	<b>Leveraged Funding Score:</b>	10

LMI Area Benefit (up to 20 points)			
LMI Percentage:	45	<b>LMI Area Benefit Score:</b>	5

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	20

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	15

Cost Benefit Analysis (up to 10 points)	
<b>Cost Benefit Analysis Score:</b>	0

Environmental Impact (up to 10 points)	
<b>Environmental Impact Score:</b>	5

Ease of Permitting (up to 5 points)	
<b>Ease of Permitting Score:</b>	0

TOTAL	
<b>Total Points from all Sections:</b>	55
<b>Percentage of Maximum Points:</b>	55



CDBG-DR Infrastructure &

Mitigation Scoring Summary

Application Information	
Name: City of Holly Hill-16	
Project Title: Chemical Tank Replacements	
Project Description: The City of Holly Hill seeks to install (1) liquid chlorine tank and (1) liquid sulfur dioxide tank at the Wastewater Treatment Facility as well as (1) liquid chlorine tank at the Water Treatment Facility. Work will include new chlorine feed lines and new metering pumps with SCADA control. Tanks will be raised and tied down so that they are flood proof. The electrical components, metering pumps and monitoring equipment will all be raised above the flood zone. The chemical tank areas have flooded significantly during the May 2009 rain event and Hurricane Ian in 2022.	

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$800,000.00	CDBG-DR Percentage:	75
Total CDBG-DR Funding:	\$600,000.00	<b>Leveraged Funding Score:</b>	10

LMI Area Benefit (up to 20 points)			
LMI Percentage:	60	<b>LMI Area Benefit Score:</b>	15

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	20

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	4

Cost Benefit Analysis (up to 10 points)	
<b>Cost Benefit Analysis Score:</b>	10

Environmental Impact (up to 10 points)	
<b>Environmental Impact Score:</b>	5

Ease of Permitting (up to 5 points)	
<b>Ease of Permitting Score:</b>	0

TOTAL	
<b>Total Points from all Sections:</b>	64
<b>Percentage of Maximum Points:</b>	64



CDBG-DR Infrastructure &

Mitigation Scoring Summary

Application Information	
Name: City of Holly Hill-17	
Project Title: Storm Sewer Pipe Lining	
<p>Project Description: The City of Holly Hill proposes to have approximately 4.2 miles of drainage pipe lined. It has been determined that the storm sewer pipes most in need of repair in the City are those east of Ridgewood Avenue. It is anticipated that 50% of pipes to be lined are 24" and the other half 36". This will seal cracks in pipes, reduce localized flooding, potentially prevent the collapse of roadways and will ensure that drainage will continue on its path towards the river once conditions allow.</p>	

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$5,441,573.49	CDBG-DR Percentage:	75
Total CDBG-DR Funding:	\$4,081,180.12	<b>Leveraged Funding Score:</b>	10

LMI Area Benefit (up to 20 points)			
LMI Percentage:	59	<b>LMI Area Benefit Score:</b>	15

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	0

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	0

Cost Benefit Analysis (up to 10 points)	
<b>Cost Benefit Analysis Score:</b>	4

Environmental Impact (up to 10 points)	
<b>Environmental Impact Score:</b>	0

Ease of Permitting (up to 5 points)	
<b>Ease of Permitting Score:</b>	0

TOTAL	
<b>Total Points from all Sections:</b>	29
<b>Percentage of Maximum Points:</b>	29



CDBG-DR Infrastructure &

Mitigation Scoring Summary

Application Information	
Name: City of New Smyrna Beach-23	
Project Title: Corbin Park Stormwater Improvement	
Project Description: The project seeks to install extensive drainage improvements including several thousand feet of conveyance pipe, numerous inlet structures and manholes to redirect the stormwater away from properties as well as treatment swales, additional outfall structures equipped with backflow preventors along with the required utility relocates and roadway replacement needed to install the drainage improvements. The project will also reduce the risk to homeowners from flooding which was experienced by over 50 homes during Hurricane Ian.	

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$8,451,220.00	CDBG-DR Percentage:	71
Total CDBG-DR Funding:	\$6,000,000.00	<b>Leveraged Funding Score:</b>	10

LMI Area Benefit (up to 20 points)			
LMI Percentage:	43	<b>LMI Area Benefit Score:</b>	5

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	10

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	8

Cost Benefit Analysis (up to 10 points)	
<b>Cost Benefit Analysis Score:</b>	0

Environmental Impact (up to 10 points)	
<b>Environmental Impact Score:</b>	10

Ease of Permitting (up to 5 points)	
<b>Ease of Permitting Score:</b>	0

TOTAL	
<b>Total Points from all Sections:</b>	43
<b>Percentage of Maximum Points:</b>	43



CDBG-DR Infrastructure &

Mitigation Scoring Summary

**Application Information**

Name: City of Orange City-03
Project Title: Mill Lake and Industrial Park Flood Mitigation and Recharge Project
Project Description: This project intends to replace the existing 1.5 cfs stormwater pump station and install a new 25 cfs stormwater pump station for Industrial Park and discharge to Mill Lake and adding 2,800 feet of a 30-inch force main. The project also intends to replace the existing 1.5 cfs stormwater pump station and install a new 50 cfs stormwater pump station for Mill Lake and discharge it to the City's recently acquired borrow pit. The proposed connection from Mill Lake to the borrow pit will be accomplished by 13,750 feet of 36-inch force main. This will alleviate flooding issues that were experienced during Hurricane Ian in 2022.

**Leveraged Funding (up to 20 points)**

Total Project Cost:	\$18,388,656.00	CDBG-DR Percentage:	83
Total CDBG-DR Funding:	\$15,268,656.00	<b>Leveraged Funding Score:</b>	5

**LMI Area Benefit (up to 20 points)**

LMI Percentage:	60	<b>LMI Area Benefit Score:</b>	15
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**Level of Flood Risk Reduction (up to 20 points) (Section does not apply to non-profit applicants)**

<b>Flood Risk Reduction Score:</b>	20
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**Quantity of Flood Risk Reduction (up to 15 points) (Section does not apply to non-profit applicants)**

<b>Quantity of Flood Risk Reduction Score:</b>	15
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**Cost Benefit Analysis (up to 10 points)**

<b>Cost Benefit Analysis Score:</b>	4
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**Environmental Impact (up to 10 points)**

<b>Environmental Impact Score:</b>	10
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**Ease of Permitting (up to 5 points)**

<b>Ease of Permitting Score:</b>	0
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**TOTAL**

<b>Total Points from all Sections:</b>	69
<b>Percentage of Maximum Points:</b>	69



CDBG-DR Infrastructure &

Mitigation Scoring Summary

**Application Information**

Name: City of South Daytona-05
Project Title: Lantern Park Stormwater Pond
Project Description: This project involves the construction of a large stormwater pond within the Lantern Park subdivision to alleviate the catastrophic flooding there. The scope of work includes the purchase of vacant land from a willing seller and the excavation of a three acre pond that will collect and store stormwater runoff in lieu of it being stored in the streets and surrounding homes. This project should alleviate the flooding caused by the rainfall experienced by Hurricane Ian which devastated Volusia County, and caused extensive flooding in the Lantern Park Subdivision.

**Leveraged Funding (up to 20 points)**

Total Project Cost:	\$3,500,000.00	CDBG-DR Percentage:	90
Total CDBG-DR Funding:	\$3,149,999.57	<b>Leveraged Funding Score:</b>	5

**LMI Area Benefit (up to 20 points)**

LMI Percentage:	69	<b>LMI Area Benefit Score:</b>	15
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**Level of Flood Risk Reduction (up to 20 points) (Section does not apply to non-profit applicants)**

<b>Flood Risk Reduction Score:</b>	20
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**Quantity of Flood Risk Reduction (up to 15 points) (Section does not apply to non-profit applicants)**

<b>Quantity of Flood Risk Reduction Score:</b>	15
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**Cost Benefit Analysis (up to 10 points)**

<b>Cost Benefit Analysis Score:</b>	10
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**Environmental Impact (up to 10 points)**

<b>Environmental Impact Score:</b>	10
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**Ease of Permitting (up to 5 points)**

<b>Ease of Permitting Score:</b>	0
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**TOTAL**

<b>Total Points from all Sections:</b>	75
<b>Percentage of Maximum Points:</b>	75



CDBG-DR Infrastructure &

Mitigation Scoring Summary

Application Information	
Name: City of South Daytona-11	
Project Title: Sherwood Forest Stormwater Pond	
<p>Project Description: This project involves the construction of a stormwater pond within the Sherwood Forest subdivision to alleviate the catastrophic flooding there. The project will also include the installation of a pump station to maintain the pond level before, during, and after a storm. The pump station will incorporate a generator designed to activate in the event of a power loss to ensure the station remains operational. In the immediate aftermath of Hurricane Ian in 2022, residents had to be rescued from their homes due to the fact that there is not a stormwater impoundment area or pond within the entire subdivision.</p>	

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$4,500,000.00	CDBG-DR Percentage:	25
Total CDBG-DR Funding:	\$1,125,000.00	<b>Leveraged Funding Score:</b>	<b>20</b>

LMI Area Benefit (up to 20 points)			
LMI Percentage:	70	<b>LMI Area Benefit Score:</b>	<b>15</b>

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>			
<b>Flood Risk Reduction Score:</b>			<b>20</b>

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>			
<b>Quantity of Flood Risk Reduction Score:</b>			<b>15</b>

Cost Benefit Analysis (up to 10 points)			
<b>Cost Benefit Analysis Score:</b>			<b>4</b>

Environmental Impact (up to 10 points)			
<b>Environmental Impact Score:</b>			<b>10</b>

Ease of Permitting (up to 5 points)			
<b>Ease of Permitting Score:</b>			<b>0</b>

TOTAL			
<b>Total Points from all Sections:</b>			<b>84</b>
<b>Percentage of Maximum Points:</b>			<b>84</b>



CDBG-DR Infrastructure &

Mitigation Scoring Summary

**Application Information**

Name: City of South Daytona-12
Project Title: Aspen Stormwater Pond Expansion
<p>Project Description: This project seeks to increase the size of the existing stormwater pond on Aspen Drive to alleviate the catastrophic flooding experienced in the 228-home Big Tree Village subdivision. The project will also include the replacement of the existing stormwater pump station located here with a bigger station designed to maintain the larger pond level before, during and after a storm.</p> <p>In the immediate aftermath of Hurricane Ian in 2022, the residents of the Big Tree subdivision had to be rescued from their homes due to floodwaters that were waist-high in some locations.</p>

**Leveraged Funding (up to 20 points)**

Total Project Cost:	\$4,000,000.00	CDBG-DR Percentage:	25
Total CDBG-DR Funding:	\$1,000,000.00	<b>Leveraged Funding Score:</b>	20

**LMI Area Benefit (up to 20 points)**

LMI Percentage:	62	<b>LMI Area Benefit Score:</b>	15
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**Level of Flood Risk Reduction (up to 20 points) (Section does not apply to non-profit applicants)**

<b>Flood Risk Reduction Score:</b>	20
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**Quantity of Flood Risk Reduction (up to 15 points) (Section does not apply to non-profit applicants)**

<b>Quantity of Flood Risk Reduction Score:</b>	15
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**Cost Benefit Analysis (up to 10 points)**

<b>Cost Benefit Analysis Score:</b>	10
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**Environmental Impact (up to 10 points)**

<b>Environmental Impact Score:</b>	10
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**Ease of Permitting (up to 5 points)**

<b>Ease of Permitting Score:</b>	0
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**TOTAL**

<b>Total Points from all Sections:</b>	90
<b>Percentage of Maximum Points:</b>	90



CDBG-DR Infrastructure &

Mitigation Scoring Summary

Application Information	
Name: City of South Daytona-15	
Project Title: South Daytona - Stevens Canal Bank Stabilization	
Project Description: This project intends to stabilize the banks of the Stevens Canal with sheet piling to prevent the severe erosion it experiences during and immediately following a severe weather event. During Hurricane Ian, the banks of the Stevens Canal eroded and collapsed due to stormwater flows which caused several blockages and flooding throughout the entire central part of the City.	

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$2,500,000.00	CDBG-DR Percentage:	100
Total CDBG-DR Funding:	\$2,500,000.00	<b>Leveraged Funding Score:</b>	0

LMI Area Benefit (up to 20 points)			
LMI Percentage:	55	<b>LMI Area Benefit Score:</b>	15

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	20

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	15

Cost Benefit Analysis (up to 10 points)	
<b>Cost Benefit Analysis Score:</b>	2

Environmental Impact (up to 10 points)	
<b>Environmental Impact Score:</b>	5

Ease of Permitting (up to 5 points)	
<b>Ease of Permitting Score:</b>	0

TOTAL	
<b>Total Points from all Sections:</b>	57
<b>Percentage of Maximum Points:</b>	57



CDBG-DR Infrastructure &

Mitigation Scoring Summary

Application Information	
Name: County of Volusia-21	
Project Title: EMS Operations Building	
<p>Project Description: This project will relocate the EMS Operations/Headquarters building from its current location to 1720 Mason Ave, Daytona Beach, FL 32117. The County recently purchased an existing building, which previously served as an automotive dealership. The existing facilities on the property provide a fleet area, office space, and adequate parking for ambulances and personnel. The building will be renovated and provide an addition to the second story to accommodate the necessary square footage required based on the needs assessment.</p>	

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$10,600,000.00	CDBG-DR Percentage:	64
Total CDBG-DR Funding:	\$6,800,000.00	<b>Leveraged Funding Score:</b>	10

LMI Area Benefit (up to 20 points)			
LMI Percentage:	53	<b>LMI Area Benefit Score:</b>	15

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	20

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	15

Cost Benefit Analysis (up to 10 points)	
<b>Cost Benefit Analysis Score:</b>	0

Environmental Impact (up to 10 points)	
<b>Environmental Impact Score:</b>	5

Ease of Permitting (up to 5 points)	
<b>Ease of Permitting Score:</b>	0

TOTAL	
<b>Total Points from all Sections:</b>	65
<b>Percentage of Maximum Points:</b>	65



CDBG-DR Infrastructure &

Mitigation Scoring Summary

Application Information	
Name: Volusia County Road & Bridge Division-36	
Project Title: North Beach Street Grade Raise Resiliency Improvements	
Project Description: This project seeks to raise the elevation of approximately 1,200 linear feet of North Beach Street to reduce the frequency of roadway overtopping events. The project includes the construction of a new asphalt concrete driving surface and the installation of culverts that will provide equalization between the south and north sides of North Beach Street located laterally to the Tomoka River. The project accomplishes the long-term goal of minimizing roadway overtopping during intense storm events and high tide events.	

Leveraged Funding (up to 20 points)			
Total Project Cost:	\$3,220,000.00	CDBG-DR Percentage:	92
Total CDBG-DR Funding:	\$2,953,000.00	<b>Leveraged Funding Score:</b>	<b>5</b>

LMI Area Benefit (up to 20 points)			
LMI Percentage:	25	<b>LMI Area Benefit Score:</b>	<b>5</b>

Level of Flood Risk Reduction (up to 20 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Flood Risk Reduction Score:</b>	10

Quantity of Flood Risk Reduction (up to 15 points) <i>(Section does not apply to non-profit applicants)</i>	
<b>Quantity of Flood Risk Reduction Score:</b>	15

Cost Benefit Analysis (up to 10 points)	
<b>Cost Benefit Analysis Score:</b>	8

Environmental Impact (up to 10 points)	
<b>Environmental Impact Score:</b>	0

Ease of Permitting (up to 5 points)	
<b>Ease of Permitting Score:</b>	3

TOTAL	
<b>Total Points from all Sections:</b>	46
<b>Percentage of Maximum Points:</b>	46



# TRANSFORM 386

STRENGTHENING VOLUSIA'S FUTURE

## CDBG-DR Infrastructure and Mitigation Program



### September 2022

Hurricane Ian made landfall causing significant destruction and flooding in Volusia County.



### December 2022

Congress appropriated \$3 billion to Housing and Urban Development (HUD) in CDBG-DR funds for 2022 disasters.



### May

2023

HUD released a Federal Register Notice allocating \$328.9 million in CDBG-DR funding to Volusia County for recovery from Hurricane Ian.

All programs and activities Volusia County conducts using CDBG-DR funds must follow all guidelines as determined in Federal Register notice 88 FR 32046.

# Where we are now - infrastructure



## Projects

18 total projects from 7 municipalities and Volusia County

## Addresses unmet needs

The project addresses vital areas for repair and improvement, to include canal mitigation, storm water infrastructure, and sewer hardening.

## Financials

Over \$60 million recommended for infrastructure and mitigation projects

## Mitigation

A portion of the funds will be used to address mitigation needs to make impacted communities more resilient to current and future risks

# Projects



Entity Name	Project Title	CDBG Funds Request	Total Project Cost	Score
Daytona Beach	Lift Station 15 Replacement Project	\$1,925,000	\$2,616,500	80
Daytona Beach	Lift Station 17 Replacement Project	\$1,575,000	\$2,126,000	85
Daytona Beach	Lift Station 18 Replacement Project	\$1,575,000	\$2,126,000	80
Daytona Beach	Lift station 22 Replacement Project	\$1,950,000	\$2,636,000	77
Daytona Beach Shores	Sewer Improvement & Retrofit N. of Dunlawton	\$1,907,000	\$5,378,000	15
Daytona Beach Shores	Masterstation, Liftstation & Forcemain Imprvts.	\$3,709,767	\$26,310,805	20
Edgewater	Mitigation: Canal Armoring	\$3,071,000	\$4,150,000	70
Edgewater	Floodproof/Harden Wastewater Plant	\$1,575,000	\$2,100,000	55
Holly Hill	Chemical Tank Replacements	\$600,000	\$800,000	64
Holly Hill	Storm Sewer Pipe Lining	\$4,081,180	\$5,441,573	29
New Smyrna Beach	Corbin Park Stormwater Improvements	\$6,000,000	\$8,451,220	50
Orange City	Mill Lake Mitigation and Improvement Project	\$15,268,656	\$18,388,656	69
South Daytona	Lantern Park Stormwater Pond	\$3,150,000	\$3,500,000	75
South Daytona	Sherwood Forest Stormwater Pond	\$1,125,000	\$4,500,000	84
South Daytona	Aspen Stormwater Pond Expansion	\$1,000,000	\$4,000,000	90
South Daytona	Stevens Canal Bank Stabilization	\$2,500,000	\$2,500,000	57
VC EMS	EMS Operations Building	\$6,800,000	\$10,600,000	65
VC Road/Bridge	N. Beach St. Grade Raise Improvements	\$2,953,000	\$3,220,000	46
		\$60,765,603	\$108,844,754	

Leverage Amount	\$48,079,152
LMI 51% or above	\$52,587,603
LMI 50% or below	\$8,178,000

## LEGEND

Municipality

County

# Stormwater planning studies



## Stormwater study requests

- |                                      |              |
|--------------------------------------|--------------|
| - 27 requests totaling approximately | \$ 8,600,000 |
| - Volusia County – (4)               | \$1,200,000  |
| - Spruce Creek Watershed             |              |
| - Little Haw Creek Watershed         |              |
| - Deep Creek Watershed               |              |
| - DeLand Ridge Watershed             |              |
| - Daytona Beach – (2)                | \$1,450,000  |
| - DeLand – (3)                       | \$ 608,100   |

# Stormwater planning studies



- Deltona (3)	\$ 900,000
- Holly Hill	\$ 190,000
- Lake Helen	\$ 200,000
- New Smyrna Beach	\$ 800,000
- Orange City (6)	\$1,500,000
- Ormond Beach (3)	\$ 350,000
- Port Orange (3)	\$1,200,000
- South Daytona	\$ 225,000

# Proposed transfer to mitigation



	Current budget	Proposed transfer	
<ul style="list-style-type: none"> <li>■ Planning</li> </ul>	\$ 18,554,500	\$ 5,000,000	
<ul style="list-style-type: none"> <li>■ Housing                             <ul style="list-style-type: none"> <li>■ Rental repair</li> <li>■ New multi-family construction</li> </ul> </li> </ul>	\$ 5,000,000	\$ 3,000,000	
	\$ 50,000,000	<u>\$ 10,000,000</u>	
		\$18,000,000	\$ 18,000,000
<ul style="list-style-type: none"> <li>■ Infrastructure</li> </ul>			\$ 50,000,000
<ul style="list-style-type: none"> <li>■ Mitigation</li> </ul>			<u>\$ 42,910,000</u>
		Total	\$110,910,000



**Thank you for  
participating.**

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