

**Indian River County
Local Mitigation Strategy
Project Prioritization List
General Project List**

Project Priority	Project Score	Project Description	Estimated Project Cost & Estimated Time of Completion & Est. Federal Share	Applicant/Responsible Party	Mitigation to be Accomplished	Hazards Mitigated	Jurisdiction(s) Involved*	Possible Funding Sources	Date Confirmed/ Added
1	95	Oslo Riverfront Conservation Area hazardous tree removal.	\$50,000 12-24 months \$37,500	Indian River County Parks Division Beth Powell	Removal of approximately 10 acres of large, hazardous Australian pine and Brazilian pepper trees adjacent to private property/homes.	Hurricane/Tropical Storm	All Jurisdictions	HMGP , FWS/DEP	Confirmed HMGP 1/13/17 (Beth Powell)
2	94	Replace and upgrade roof of the Vero Beach Police Department building.	\$450,000 12 months \$337,500	City of Vero Beach Don Dexter	The police department serves as the city's EOC and the existing roof is approximately 30 years old and does not meet current wind load standards.	Hurricane/Tropical Storm	City of Vero Beach	HMGP , CDBG, Pre-disaster Mitigation Program	Confirmed HMGP 1/16/19 (Don Dexter)
3	93	Retrofits to the county's public schools that serve as public shelters.	\$75,000 <12 months \$56,250	Indian River County Emergency Management Tad Stone	Reduces vulnerability to wind and flood damage and provides for critically needed shelter (primary critical facilities) and reducing the county's safe shelter space deficit.	Hurricane and Tropical Storm	All Jurisdictions	Coastal Construction Building Zone Program; CDBG; DRI; HMGP ; Hurricane Program; NFMF	Confirmed 1/5/19 (Tad Stone)
4	93	Fellsmere Culvert Replacement	\$630,000 6 months \$47,250	City of Fellsmere Jason Nunemaker	Replacement of all existing culverts along New York/97th Street with RCP at proper intervals to reduce head loss to Park Lateral.	Hurricane and Tropical Storm	Multiple	CDBG, HMGP , DRI, USDA, EDA	Confirmed 6/1/16 (Jason Nunemaker)

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5	93	Fire Escape Replacement	\$3 million > 12 months \$2,250,000	Indian River Medical Center Matt DePino	Replacement of three fire escape towers on the patient wings of the hospital. The current towers are open-air towers that offer no protection from inclement weather. These required fire evacuation routes become unusable during a hurricane. This puts a large population of patients and healthcare workers at serious risk during a severe storm. A severe storm increases the risk of a catastrophic event that would require the evacuation of this population. The current design also increases the risk to building damage and loss of our ability to sustain operations during and post storm. Each tower serves a patient population of approximately 75 and healthcare staff of 45.	Hurricane and Tropical Storm	All Jurisdictions	HMGP	Confirmed 6/1/16 (Matt DePino)
6	92	Portable water storage system	\$300,000 >12 months \$225,000	Indian River Medical Center Matt DePino	Install and connect a portable water tank to provide emergency water services to the hospital for patient care.	Hurricane, Tropical Storm, Wellfield contamination, Terrorism & Sabotage	All Jurisdictions	HMGP	Confirmed 6/1/16 (Matt DePino)
7	91	Blue Cypress Park access repair	\$100,000 48 months \$75,000	Indian River County Parks Division Beth Powell	Provide access to the park, raise roadbed, replace failing culvert, flood mitigation.	Tropical Storm/Hurricane, Flood	All Jurisdictions	HMGP, FWC/DEP, SJRWMD	Confirmed 1/13/17 (Beth Powell)
8	90	Wabasso Causeway erosion control, revetment repair and fishing pier	\$500,000 48 months \$375,000	Indian River County Parks Division Beth Powell	Provide erosion control to protect shoreline/structures, replace fishing pier and boat ramp.	Tropical Storm/Hurricane, Flood	All Jurisdictions	HMGP, FWC/DEP, FIND, DOT, Boater Improvement Fund	Confirmed HMGP 1/13/17 (Beth Powell)
9	89	Open Water and wetland system - Fellsmere South Regional Lake	\$2,000,000 12 months \$1,500,000	City of Fellsmere Jason Nunemaker	Open water and wetland system to mitigate flooding and provide nutrient removal for incorporated and	Flooding, pollution	City of Fellsmere, Indian River County, Fellsmere Water Control District	SJRWMD, LWCF, State Appropriation, CDBG-ED, HMGP	Confirmed 6/1/16 (Jason Nunemaker)

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10	88	Remove approximately 5 acres of large, hazardous Australian Pine and Brazilian Pepper trees adjacent to private property/homes which is the only ingress/egress to neighborhood.	\$25,000 12 months \$18,750	Indian River County Parks Division Beth Powell	Protects private property from falling trees and creating debris during storms. Mitigates future hazardous conditions caused by fallen debris; prevents access issues to neighborhood during a storm event.	Tropical Storm/Hurricane, Flood	All Jurisdictions	HMGP , FWC/DEP, privated funding from HOA	Confirmed 1/13/17 (Beth Powell)
11	88	Prescribed burns in certain conservation areas vulnerable to wildfire.	\$2,000,000 <12 months \$1,500,000	Indian River County Community Development Roland DeBlois	Reduces vulnerability to wildfire. Note: The county conservation manager works closely with the Florida Forest Service to conduct prescribed burns on county scrub conservation areas on a rotational basis.	Wildland Fire	All Jurisdictions	Conservation Technical Assistance; DRI; HMGP ; Protection of Forests and Rangelands	Confirmed 6/1/16 (Roland DeBlois)
12	88	Mapping and assessment of public wellfields and reverse osmosis plant protection zones to guard against groundwater contamination.	\$100,000 >12 months \$75,000	Indian River County Community Development Roland DeBlois	Reduces the countywide exposure to wellfield contamination by allowing more effective management of resource. Note: Reference IRC Comp Plan (Conservation Plan Policy 3.7), which calls for agency coordination and mapping of wellhead protection areas.	Wellfield Contamination	All Jurisdictions	Capitalization Grants for Drinking Water State Revolving Fund; Coastal Wetlands Planning, Protection, and Restoration Act; Conservation Technical Assistance; DRI; HMGP ; Planning Assistance to States Program; Water Pollution Control: State and Interstate Program Support; Water Quality	Confirmed 6/1/16 (Roland DeBlois)
13	86	Rebuild non-wind code compliant Fire Rescue Stations.	\$4 million 18 months \$3,000,000	Indian River County Emergency Services Tad Stone	This will allow these critical facilities to withstand major hurricane impact, and support the personnel on an extended basis with power water and sewer facilities. These projects will benefit all citizens and visitors of Indian River County as well as the surrounding counties we assist through mutual aid by providing uninterrupted Fire Rescue and EMS service during and after a major disaster event.	Hurricane, Tropical Storm and Flood	All Jurisdictions	HMGP	Confirmed 1/5/19 (Tad Stone)
14	85	Retrofitting Gifford Youth Activity Center	\$150,000 <12 months \$112,500	Gifford Youth Activity Center, Inc. Freddie Woolfork	Harden facility windows for disaster activities.	Hurricane/Tropical Storm	Indian River County	HMGP	Confirmed 9/7/16 (Freddie Woolfork)

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15	85	Conservation Area Prescribed Burn	\$255,000 12-36 months \$191,250	Indian River County Community Development Roland DeBlois	Purchase of equipment contract work to treat areas vulnerable to wildfire, especially conservation areas with added material from Hurricane Matthew through mechanical means and prescribed burns.	Wildfire	All jurisdictions	HMGP	Added HMGP 12/28/16 (Beth Powell)
16	85	Well for emergency use	\$300,000 >12 months \$225,000	Indian River Medical Center Matt DePino	Drill and connect a well for emergency use if water service is disrupted to the hospital fire sprinkler system. Loss of water service puts approximately 750 patients and healthcare workers at risk of loss of life. It puts a \$220,000,000 building and equipment investment at risk of loss by fire.	Hurricane/Tropical Storm	All Jurisdictions	HMGP	Confirmed 6/1/16 (Matt DePino)
17	85	Old Winter Beach Road Flood Control and Stormwater Improvements.	\$1.3 million 24 months \$975,000	Indian River Shores Robert Stabe	Raise the OWBR/storm water swales to minimum elevation standards and install storm water treatment trains to reduce nutrient loading entering the Indian River Lagoon.	Flooding	All Jurisdictions	State Legislative appropriations, St. Johns River Water Management District cost-share funding, Town of Indian River Shores	Added 4/13/17 (Robert Stabe)
18	84	Adopt procedures in the LMS for removal of marine debris resulting from natural disasters.	\$50,000 >12 months \$37,500	Indian River County Community Development Roland DeBlois	Will mitigate potential damage to marine vessels and would alleviate potential obstruction to navigation of waterways.	Hurricane/Tropical Storm	Indian River County, City of Vero Beach	Florida Inland Navigation District (FIND), HMGP	Confirmed 6/1/16 (Roland DeBlois)
19	84	Historic Fellsmere Flood Study	\$50,000 12 months \$37,500	City of Fellsmere Jason Nunemaker	An accurate flood map will mitigate against future floods by ensuring homes will be properly elevated.	Flood	City of Fellsmere	HMGP	***NEW*** Added 7/23/18 (Jason Nunemaker)
20	83	Generator project for Sebastian Adult Day Care Center.	\$100,000 <12 months \$75,000	Senior Resource Association, Karen Deigl IRCES, Cory Richter	Generator upgrade for the Sebastian Adult Day Care Center to increase the shelter capacity for a step-down shelter for Special Needs Shelter clients.	Hurricane/Tropical Storm	All Jurisdictions	HMGP	Added 1/26/18 (Karen Deigl/Cory Richter)
21	83	Elkcam Canal dredging and seawalls	\$4 million >12 months \$3,000,000	City of Sebastian Joe Griffin	Reduces the exposure of possible flooding and property damage to residential homes, businesses, and city owned facilities.	Flooding and erosion	City of Sebastian	HMGP , FMA, SJRWMD, FPMS, USACE, CDBG	Confirmed 9/8/16 (Dorri Bosworth)

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22	82	Generator improvements for Wave One public shelters	\$4,875,000 12-months \$3,656,250	School District of Indian River County	Generator improvements for Wave One public shelters: Sebastian River Middle, Oslo Middle, Liberty Magnet, Fellsmere Elementary, Freshman Learning Center. Additionally chiller plant support is needed for the Freshman Learning Center.	Hurricane/Tropical Storm	All Jurisdictions	HMGP, PDM	***NEW*** Added 1/18/17 (Robert Michael)
23	81	Retrofits to the North County Library to reduce vulnerability to wind and flood damage.	\$10,000 <12 months	Indian River County Public Works Rich Szpyrka	Reduces vulnerability of a public building and contents (library) to flooding damage.	Severe Weather: including Hurricane, Tropical Storm, Tornado, lightning and Flood	All Jurisdictions	Public Library Construction Grant; Coastal Construction Building Zone Program; CDBG; DRI; FMAP; HMGP ; Hurricane Program; NEMF	Confirmed 6/1/16 (Rich Szpyrka)
24	81	Retrofits to the county's main library to reduce vulnerability to wind and flood damage.	\$10,000 <12 months	Indian River County Public Works Rich Szpyrka	Reduces vulnerability of a public building and contents (library) to flooding damage.	Severe Weather: including Hurricane, Tropical Storm, Tornado, lightning and Flood	All Jurisdictions	Public Library Construction Grant; Coastal Construction Building Zone Program; CDBG; DRI; FMAP; HMGP ; Hurricane Program; NEMF	Confirmed 6/1/16 Rich Szpyrka
25	80	Oyster Bar Salt March hazardous trees	\$25,000 12 months	Indian River County Parks Division Beth Powell	Removal of approximately 1 acre of large, hazardous Australian Pine and Brazillian Pepper trees adjacent to private property/homes.	Tropical Storm/Hurricane, Flood	All Jurisdictions	FWC/DEP	Confirmed 1/13/17 (Beth Powell)
26	80	Indian Lane drainage canal	\$110,000 >12 months	Indian River Shores Robert Stabe	Dredging the Indian Lane storm water drainage canal to improve holding capacity and provide better flow from the storm water drainage system	Severe Weather: including Hurricane, Tropical Storm, Tornado, lightning and Flood	Town of Indian River Shores	Flood Plain Management Services, HMGP , FMA, State Preparedness Grant	Confirmed 9/7/16 (Robert Stabe)
27	80	Barber Street bridge replacement	\$2.5 million >12 months \$1,875,000	City of Sebastian Joe Griffin	Ensures traffic circulation, emergency response, and public transportation from the city to U.S. #1, C.R. 512, and I-95	Hurricane/tropical storm, erosion, and flooding	City of Sebastian	CDBG, HMGP , EDA	Confirmed HMGP 9/8/16 (Wayne Eseltine)
28	80	George Street canal dredging and seawalls	\$4 million >12 months \$3,000,000	City of Sebastian Joe Griffin	Reduces the exposure of flooding and property damage to residential homes, businesses, and city owned facilities.	Hurricane/tropical storm, flooding, and erosion	City of Sebastian	HMGP , FMA, SJRWMD, FPMS, USACE, CDBG	Confirmed 9/8/16 (Dorri Bosworth)
29	79	Retrofits to the City of Vero Beach Police Department, Public Works facility and the Electrical Transmission and Distribution Department (critical facilities) to reduce vulnerability to severe weather	\$2 million >12 months \$1,500,000	City of Vero Beach Don Dexter	Reduces the vulnerability to category 4 or 5 hurricanes for two critical facilities.	Severe Weather: including Hurricane, Tropical Storm, Tornado, lightning and Flood	City of Vero Beach	HMGP , CDBG, EMP&A Trust Fund (DCA), Pre-disaster Mitigation Program (FEMA), Hurricane Program (FEMA)	Confirmed 1/16/19 (Don Dexter)

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30	79	Fleming Street bridge replacement	\$2 million >12 months \$1,500,000	City of Sebastian Joe Griffin	Ensures traffic circulation, emergency response, and public transportation from the city to U.S. #1, C.R. 512, and I-95	Hurricane/tropical storm, flooding, and erosion	City of Sebastian	CDBG, HMGP , EDA	Confirmed 9/8/16 (Dorrie Bosworth)
31	79	Replacement of county bridges constructed below the 100-year flood plain for improved access, evacuation and exposure to flooding	\$10 million >12 months \$7,500,000	Indian River County Public Works Department Rich Szyrka	Reduces the risk of fatalities (loss of life) during evacuation.	Flooding	All Jurisdictions	CDBG; DRI; Emergency Relief Program; FMAP; HMGP ; Hurricane Program; NFMF; STP	Confirmed 6/1/16 (Rich Szyrka)
32	78	Boat Club Island dock	\$25,000 6-10 months \$18,750	Indian River County Beth Powell	Replace damaged dock at a higher elevation to mitigate damages from future high tides, high winds, and storms.	Tropical Storm/Hurricane, Flood	All Jurisdictions	FWC/DEP	Confirmed 1/13/17 (Beth Powell)
33	78	Captain Forster Hammock Preserve historic cottage	\$25,000 12-24 months \$18,750	Indian River County Parks Division Beth Powell	Retrofit and repair cottage from storm, wind and water damage.	Tropical Storm/Hurricane, Flood	All Jurisdictions	HMGP , Florida Division of Historical Resources, local grant funding	Confirmed 1/13/17 (Beth Powell)
34	78	Install flood control structures Vero Isles.	\$60,000 12 months \$45,000	City of Vero Beach Don Dexter	Installation will help to minimize tidal flooding of the homes and businesses from the Indian River Lagoon to 8th Avenue in the Miracle Mile and Royal Palm Point shopping areas.	Flooding, hurricane/tropical storm, tsunami	City of Vero Beach	HMGP , FDEP	Confirmed HMGP 1/16/19 (Don Dexter)
35	78	Obtain an updated countywide geohydrological study with seismic profiles.	\$300,000 >12 months \$225,000	Indian River County Community Development Roland DeBlois	Will reduce the risk of limited public water supply in times of drought by providing groundwater hydrology data at key locations in the county. Note: Reference IRC Comp Plan (Conservation Policy 3.8)	Drought	All Jurisdictions	HMGP	Confirmed 6/1/16 (Roland DeBlois)
36	78	Hibiscus Children's Center	\$575,000 <12 months \$431,250	Hibiscus Children's Center/IRCEM	Fortification of group home for 40 at-risk teenagers to allow shelter-in-place. Harden roofs and install generators.	Tropical Storm/Hurricane, Flood	Vero Beach	HMGP	Added 2/1/18 (Lisa Wynne)
37	75	Protection of the Surficial Aquifer groundwater quality and quantity as a secondary potable water source through acquisition of primary recharge areas and through the plugging of abandoned artesian wells.	\$2 million >12 months \$1,500,000	Indian River County Community Development Roland DeBlois	Reduces the exposure to potential wellfield contamination.	Drought	All Jurisdictions	Capitalization Grants for Drinking Water State Revolving Fund; Conservation Technical Assistance; DRI; HMGP ; Planning Assistance to States Program; Water Pollution Control: State and Interstate Program Support; Water Quality	Confirmed 6/1/16 (Roland DeBlois)

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38	77	Laconia Avenue extension	\$5 million >12 months \$3,750,000	City of Sebastian Joe Griffin	This project will provide a major emergency evacuation route. that will include a new bridge over the St. Sebastian River. It will provide a much-needed major escape route not directly impacted by the Florida East Coast Railway.	Flooding	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Confirmed 11/13/17 (Joe Griffin)
39	74	Culvert/Pipe for Stonecrop Main ditch alignment	\$500,000 <12 months \$375,000	City of Sebastian Joe Griffin	Ensures circulation of storm water system and reduces possible flooding and property damage.	Hurricane/tropical storms, flooding, erosion	Sebastian	HMGP , FMA, SJRWMD, FPMS	Confirmed HMGP 9/8/16 (Wayne Esletine)
40	74	Relocation of City of Vero Beach wastewater treatment plant.	\$25,000,000 36 months \$18,750,000	City of Vero Beach Rob Bolton	Relocate WWTP located next to the I.R. Lagoon to City owned property located near the WTP at the Vero Beach Airport.	Hurricane/tropical storms, tsunami	City of Vero Beach	HMGP , FMA, EPA	Confirmed 1/16/19 (Don Dexter)
41	72	Construction of seawall/revetment along Humiston Beach in the City of Vero Beach.	\$600,000 >12 months \$450,000	City of Vero Beach Don Dexter	Residents and business owners will benefit from continued and uninterrupted access to the beach facilities and associated parking.	Flood and erosion	Vero Beach	HMGP	Confirmed HMGP 1/16/19 (Don Dexter)
42	71	Construction of tilting Weir gates across two canals that connect Rockridge subdivision with the lagoon.	\$6.5 million >12 months \$4,875,000	Indian River County Public Works Rich Szyrka	Will prevent flooding in the subdivision during hurricane events.	Flood	Unincorporated Indian River County	HMGP	Confirmed 6/1/16 (Rich Szyrka)
43	67	Study of sea level rise potential impacts to public facilities.	\$100,000 >12 months \$75,000	Indian River County Community Development Roland DeBlois	This project will provide information for long range planning of new public facilities and retrofit of existing facilities.	Flooding	Unincorporated Indian River County	HMGP , PDM, EMPA	Confirmed 6/1/16 (Roland DeBlois)
44	66	Acquisition of land along the Indian River Lagoon within the Coastal High Hazard Area to reduce potential future losses.	Phase I - \$2 million Phase II - \$7 million >12 months Phase I - \$1,500,000 Phase II - \$5,250,000	Indian River County Community Development Roland DeBlois	Will reduce county exposure by preventing development in a high hazard area.	Hurricane, Tropical Storm, Flood and coastal erosion	Indian River County and City of Vero Beach	Coastal Wetlands Planning, Protection, and Restoration Act; CDBG; DRI; HMGP ; NFMF; North American Wetlands Conservation Act Grant Program; Outdoor Recreation: Acquisition, Development, and Planning	Confirmed 6/1/16 (Roland DeBlois)

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45	64	Culvert replacement for ditch/street crossings	\$1 million >12 months \$750,000	City of Sebastian Joe Griffin	Replace all ditch culverts that intersect streets to promote better drainage.	Flood	Sebastian	CDBG, Emergency Relief, FMAP, HMGP	Confirmed HMGP 1/6/17 (Wayne Esletine)
46	64	Establishment of a county GIS department to improve flood mapping for flood damage reduction.	\$1 million to \$2 million >12 months \$750,000 to \$1,500,000	Indian River County Public Works Rich Szpyrka	Reduces countywide flood exposure by allowing better management of flood zones.	Flood	All Jurisdictions	Challenge 21: Floodplain; Conservation Technical Assistance; FMAP; HMGP ; Land Protection: NEMF	Confirmed 6/1/16 (Rich Szpyrka)
47	64	Construction of seawall along Conn Beach in the City of Vero Beach.	\$1.7 million >12 months \$1,275,000	City of Vero Beach Don Dexter	This project will provide erosion control, prevent damage to Ocean Drive and the Boardwalk which sustained approximately \$1 million in damages from Hurricanes Frances and Jeanne	Hurricane/Tropical Storm, flood and coastal erosion	Vero Beach	HMGP	Confirmed 1/16/19 (Don Dexter)
48	63	Modifications to the outfall structure at Stonebridge Subdivision for flood damage reduction.	\$5000 >12 months \$3,750	Indian River County Public Works Rich Szpyrka	Reduces vulnerability to flooding at this site.	Flood	Unincorporated Indian River County	CDBG; DRI; Emergency Rehabilitation of Flood Control Works; FMAP; HMGP ; Hurricane Program; NFMF; Public Assistance	Confirmed 6/1/16 (Rich Szpyrka)
49	61	Jones' Pier floodproofing/elevation	\$800,000 <12 months \$600,000	Indian River County Community Development	Elevating historic structures to above base flood elevation (BFE); storm shutters; drainage improvements	Flooding, Hurricane/tropical storm	All Jurisdictions	HMGP , DHR	Added 12/9/16 (Roland DeBlois)
50	59	Restoration of critically eroded areas along an 8.3-mile stretch of the Atlantic shoreline in an effort to provide needed storm protection.	\$18 million initial/ \$48 million long-term >12 months \$13,500,000/ \$36,000,000	Indian River County Public Works Department Rich Szpyrka	Reduces storm surge and flooding vulnerability.	Flood	City of Vero Beach	CDBG; Conservation Plant Material Centers, Conservation Technical Assistance; DRI; FMAP; HMGP ; Hurricane Program; Land Protection, Planning Assistance to States Program	Confirmed 6/1/16 (Rich Szpyrka)
51	55	Historic Fellsmere Regional Lakes	\$2,000,000 12 months \$1,500,000	City of Fellsmere Jason Nunemaker	Will mitigate against future floods by storing flood waters within large regional lakes thereby reducing the flood level in the basins served by the deteriorated lakes	Flood	City of Fellsmere	HMGP	***NEW*** Added 7/23/18 (Jason Nunemaker)
52	48	Historic Fellsmere Alleyway Grading	\$1,400,000 12 months \$1,050,000	City of Fellsmere Jason Nunemaker	Will mitigate against future floods by storing flood waters in the alleyways thereby reducing the flood level in the basins served by the alleyway flood storage system	Flood	City of Fellsmere	HMGP	***NEW*** Added 7/23/18 (Jason Nunemaker)
53	48	Historic Fellsmere Stormwater Greenway	\$1,800,000 12 months \$1,350,000	City of Fellsmere Jason Nunemaker	Will mitigate against future floods by storing flood waters in the stormwater greeway thereby reducing the flood level in the basins served by the stormwater greenway	Flood	City of Fellsmere	HMGP	***NEW*** Added 7/23/18 (Jason Nunemaker)

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