

Project #	Applicant	Project Name	Project Description	Eligibility Status	LMS Scoring Committee Proposed Score	HMGP Funds Requested	State Comments
25	Pinellas County	Roll-n-Pole Portable Sign Holder Kit	<p><b>A countywide benefit:</b> The roll-n-poll stop signs are easily accessible and portable. If traffic signals are to lose power in the event of a storm, these stop signs can be used in coordination with the Pinellas County Sheriff's Office and local municipal law enforcement agencies to assist with traffic control at roadways and intersections countywide. This will provide safer travel for drivers, while also enabling law enforcement to tend to other matters that occur during or after a major event.</p> <p>During the event of Hurricane Irma in September 2017, Pinellas County did sustained considerable damage to the power grid resulting in heavy power losses to traffic control lights and warning systems throughout most of the county. This included loss of power to a minimum of 148 of the 365 traffic signals maintained by the Pinellas County Public Works' Transportation Division. The Pinellas County Sheriff's Office provided traffic control manually at 75 intersections the day after the storm. For larger signal locations, as many as four deputies and four police cruisers were required at a single intersection to safely control traffic. One of the methods used to control traffic was the use of stop signs that were constructed on bulky wooden pallets making them portable. However, there were not enough stop signs to provide necessary coverage at all of the intersections. The Roll-n-Pole stop signs will provide an easy to use method to assist with traffic flow and coordination during future emergency events.</p> <p>25% match funding could be acquired from Pinellas County Gas Tax.</p> <p><b>Hazards Addressed:</b> All Hazards</p> <p><b>500 Roll-n-Pole Portable Sign Holders:</b> 24" sign with 46" pole &amp; 18" diameter base:  <a href="https://www.roadtrafficsigns.com/stop-46in-portable-sien-holder-kit/sku-k-roll-1097">https://www.roadtrafficsigns.com/stop-46in-portable-sien-holder-kit/sku-k-roll-1097</a></p>	Withdrawal Recommended	1392	\$44,876	State viewed this as a "preparedness/response" project, not a mitigation project.
43	St. Petersburg	Generator for St. Petersburg Fire Rescue Headquarters	<p>This project would fund the replacement of the current generator at Fire Headquarters. The funding would provide for a new 200kw diesel generator as well as a fuel tank, generator enclosure and ATS with freight to the location, a crane to off load new equipment, removal of the old generator and start up. Funds would also provide for a rental generator for the duration of the installation. The St. Petersburg Fire Rescue headquarters building is a critical facility at all times and especially during disasters and emergency events as it is home to the sub-Emergency Operations Center for the City. During Hurricane Irma, headquarters had to utilize the current generator to fully power the building for over two weeks. During this time, power constantly flickered to the building as the generator was overloaded. A review of the current generator was recently completed by Paramount Power which stated that "with the unit being so heavily loaded and having been in service for so long, it is only a matter of time before this condition causes damage and possible catastrophic failure to the tail section or whole unit." Replacement of the current generator would ensure that the building is fully powered and able to function as normal during any hazard that would cause a potential loss of power.</p>	Eligible	1370	\$138,825	New generator can't simply replace an existing generator at the end of its useful life, would need to demonstrate some increased capacity.
24	Pinellas County	Inverter Kits	<p><b>A countywide benefit:</b> During the event of Hurricane Irma in September 2017, Pinellas County sustained considerable damage to the power grid resulting in heavy power loss to traffic control lights and warning systems throughout most of the county. To supplement the available power options, an initial assessment was made along with the decision to implement the use of recently designed field inverters countywide. These inverters were specifically developed to provide a quick, temporary power source to traffic signals during power outages. A coordinated effort was organized by the Public Works' Transportation Division with the Pinellas County Sheriff's Office and local municipal law enforcement agencies to address these traffic signal outages, especially those at major intersections. The installation of inverters not only provided a temporary power source to the intersection's affected traffic signal, but also allowed law enforcement, who would normally direct traffic flow under these circumstances, to remain safely out of the flow of traffic. Inverters require only one officer and patrol vehicle to be at each location to run the inverter, versus 3-4 officers per location to manually direct traffic. Below is the list of materials and associated costs for the purchase of 100 inverter kits.</p> <p>25% match funding could be acquired from Pinellas County Gas Tax.</p> <p><b>Hazards Addressed:</b> All Hazards</p> <p><b>Inverter Kits:</b>  KISAE SW1220 2000W, 12V Pure Sine Wave Inverter: <a href="https://www.donrowe.com/KISAE-SW1220-Power-Inverter-">https://www.donrowe.com/KISAE-SW1220-Power-Inverter-</a></p>	Withdrawal Recommended	1362	\$46,500	State viewed this as a "preparedness/response" project, not a mitigation project.
27	Pinellas County	Stock Generators	<p><b>A countywide benefit:</b> To assist with the safety and welfare of citizens, the stock generators will provide a temporary, long-term power source to traffic signals throughout the county in the event of a natural disaster or emergency where there is power loss. Generators are utilized for long-term relief for larger intersections that require more power. Additionally, generators will be used as a temporary source of power supply for public works crews who are responding post-storm.</p> <p><b>25% match funding could be acquired from Pinellas County Gas Tax.</b></p> <p><b>Hazards Addressed:</b> All Hazards</p> <p><b>50 Honda EU3000is Super Quiet Light Weight Inverter 3000W 120V Fuel Efficient Generator:</b>  <a href="http://www.electricgeneratordepot.com/honda-super-quiet-light-weight-inverter-3000w-120v-fuel-efficient-generator-with-parallel-capability-and-oil-alert-5880">http://www.electricgeneratordepot.com/honda-super-quiet-light-weight-inverter-3000w-120v-fuel-efficient-generator-with-parallel-capability-and-oil-alert-5880</a></p>	Withdrawal Recommended	1335	\$87,373	Generators must be specifically for critical facilities. State has not seen signals considered critical facilities.

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26	Pinellas County	Mast Arm Upgrades	<p><b>A countywide benefit:</b> Installation and/or upgrade of Mast Arms at 16 locations throughout the county located on hurricane evacuation routes (see chart LMS Mast Arm Upgrade List and Mast Arm Map - located below). This will help improve the safe, efficient flow of traffic countywide in the event of an emergency event or hurricane. During Hurricane Irma in September 2017, traffic signals hung by span wire fell or became damaged from storm force winds. An example is the span wire located on Belleair Road and Gulf Boulevard which fell during Irma and has since been replaced with a mast arm. The fall of span wire could result in traffic signals becoming inoperable, potentially blocking access on the roadway and creating what could be a dangerous situation; even more so when located on an evacuation route that is used by hundreds of thousands of citizens seeking safety. Mast Arm signals in place of span wire at these evacuation route locations will ensure that these evacuation routes remain open and emergency personnel have access to the main roadways post-storm.</p> <p><b>25% Match funding could be acquired from Penny for Pinellas tax.</b></p> <p><b>Hazards Addressed:</b> 4. All Hazard</p>	Eligible	1332	\$4,500,000	Eligible because the signals are being hardened.
13	Gulfport	Generator for Alternate City EOC	<p>The proposal for this project is to install one generator at the Public Works Department Alternate EOC Building. In 2017, Hurricane Irma left 85% of the City without electric power for more than one week by destroying 17 transformers and downing many power lines as large trees were felled and large tree branches snapped from the trees. As a result, City Hall Complex and the Public Works Building were without electricity causing a complete shutdown of City Hall and Public Works Building for one week. City Hall Complex is the City's Emergency Operations Center but lies within Evacuation D Zone. Therefore, the Public Works Building has been designated as the alternate EOC since it is not in a flood zone or evacuation zone. No power for the City Hall EOC and Public Works Building Alternate EOC compromised the City's emergency services and ability to respond and recover from Irma due to the lack of communications within and outside of the City, the use of computers, telephones, radios, and equipment for damage assessment and monitoring of critical facilities such as water and lift stations.</p> <p>Hurricane Irma afforded the City with a clear picture of the successes in disaster resiliency and mitigation with property protection. In past years, the City has strengthened its facilities through the hardening of its skylights, windows and doors. However, when Irma cut electric power for a week, the loss of power revealed that the intension of using City Hall for its EOC failed due to the necessity of power to effectively run communications, operations, and recovery functions. Additionally, if Hurricane Irma has paralleled the coastline, conditions would have worsened. The possibility of evacuating EOC operations from a facility in an Evacuation D zone to the Alternate EOC, Public Work Department Building, located in a non-flood zone and non-evacuation zone. Although already hardened, the Public Works Building does not currently have an emergency generator. Like City Hall Complex, the Public Works Building lacks the ability of communications within and outside of the City, the use of computers, telephones, radios, and the equipment for damage assessment and monitoring of critical facilities such as water and lift stations. This project proposes to install 1 emergency generator.</p>	Eligible	1329	\$54,675	State recommended describing this project differently - as a generator for a Public Works building as opposed to being for an alternate EOC. This is because the BCA considers what the building's function is in "blue sky" conditions; i.e. a generator for Public Works Building that also serves as an EOC in disaster is more likely to have a successful BCA than a generator for a library that serves as an EOC in a disaster. This is because the Public Works building is likely to be able to show stronger benefits due to services provided to the public on a day to day basis.
36	Pinellas Suncoast Fire & Rescue District	Generator power for interim EOC	<p>Two of the District's three fire stations are in a Level A evacuation zone in Pinellas County. The fire district does not have an Emergency Operations Center (EOC) and evacuations of fire stations and fire department administration requires all district operations move to a remote site located at the Indian Rocks Christian School. While this site is rated for Category 5 hurricane winds, the site does not have back-up power. The above project will place a generator and automatic power switch will enable uninterrupted emergency operations during and after a storm, making the fire district more disaster resilient.</p>	Eligible	1322	\$150,000	
19	Pinellas County	County-wide Radio Shelter Replacement	<p>Replace five (5) existing radio shelters housing the infrastructure of Pinellas County's 800 MHz Intergovernmental Public Safety Radio System serving over 10,000 users. Shelters must be constructed to meet or exceed code to eliminate the threat of flooding with elevated platforms and drainage, while protecting against hurricane force winds. The hardening of sites is one of the most critical elements in the construction of a reliable communications system to prevent radio communication failure and better serve public safety responders, County personnel, and the public during routine incidents and major disasters to become a more disaster resilient community. Replacing these shelters will mitigate potential loss of radio components and other critical infrastructure, which will protect millions of dollars of assets. Audit Report No. 2017-37, issued 12/21/2017, by the Division of Inspector General reflected that the radio shelters were deemed not to comply with current building/wind construction codes, as well as a lack of security. This was also noted by RCC Consultants, Inc. in a report dated 1/25/16. RCC was procured by the County to assess the County's Radio system infrastructure and identify improvements necessary to increase the effectiveness of the radio system. The project can be sub-divided into five separate projects or completed as a whole.</p>	Withdrawal Recommended	1302	\$7,500,000	Would be classified as "mitigation reconstruction", which caps the hard construction cost grant amount at \$150,000, plus some additional soft costs such as engineering or architecture fees. Project is being recommended to be withdrawn unless the applicant is willing to take on a significantly higher cost share given the hard construction cost cap.

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39	St. Pete Beach	Generator for Fire Station 22	Provide and install a 40-kilowatt natural gas-fired generator to be located on the roof in order to meet FEMA regulations at Fire Station 22, including roof engineering and construction as well as running TECO natural gas line to the building in order to ensure Continuity of Operations. Station 22 is one of 2 stations serving St. Pete Beach, and is a critical facility. This generator meets the goal by ensuring continuity of operations during and following a disaster event. The elevation of the generator meets the objective because it will serve an existing Fire Station.	Eligible	1299	\$112,500	
20	Pinellas County	Back up Power and Pumping Equipment for Sewer Pumping Stations	Improve infrastructure resiliency to natural hazards by installing permanent back up power (generators and/or bypass pumps) at sewer pumping stations to maintain sewer transmission during emergency events.	Eligible	1295	\$1,875,000	
14	Gulfport	Lift Station 1, Generator	<p>The project proposal is to install one generator. Lift Station 1 is the City's facility that collects and pumps 80% of the wastewater generated in Gulfport to the City of St Petersburg for treatment. Of the 19 collection basins within Gulfport, Lift Station 1 directly collects wastewater from 63% of the basins. Wastewater from the remaining 37% of the basins is collected at Lift Station 2. Lift Station 2 then pumps the wastewater to Lift Station 1. Through the City's yearly budget, both lift stations have been hardened to mitigate the structure from hurricanes. The current generator at Lift Station 1, however, has passed its estimated useful life.</p> <p>A replacement generator at Lift Station 1 will harden and maintain this critical facility. As part of Objective 1.6, the City has identified the lift stations as critical facilities, prioritized and began hardening those key facilities. In 2015, the City began hardening its two lift stations using annual operating budget funds by installing hurricane resistant windows and doors, and removing louvers in exterior walls and infill with concrete block. The current generator is past its useful life and is in need of replacement. This generator is critical to the continuing operation of the lift station during events whereby interruptions in electrical service would no longer power the lift station pumps. During Hurricane Irma, 85% of the City was without electrical power for one week, included was Lift Station 1. The current generator did not perform as it should have. Although current maintenance procedures include running the generator on a weekly basis, during the recovery from Irma revealed that the generator failed from constant operation. The Utilities Division of Public Works performed repairs to keep the generator from failing during Irma and the recovery period.</p> <p>Lift Station 1 is gravity fed in addition to receiving wastewater from Lift Station 2. As such, Lift Station 1 is adjacent to Boca Ciega Bay and Clam Bayou. Boca Ciega Bay is classified by the State of Florida as an Aquatic Preserve, Class III Waters, and Outstanding Water Body. Clam Bayou is a natural marine estuary and designated preservation area containing endangered, threatened, and species of concern, that has been designated as a Biodiversity Hot Spot by the State of Florida. Therefore, the operation of Lift Station 1 is critical for the protection of Boca Ciega Bay and Clam Bayou. Lift Station 1 pumps the wastewater to St Petersburg for treatment. If Lift Station 1 fails, sewage spills will pollute Boca Ciega Bay and Clam Bayou. A generator for Lift Station 1 is key for the continuing operation of Lift Station 1.</p>	Eligible	1289	\$48,000	
42	St. Petersburg	James Weldon Johnson Library Generator	The aim of this project is to strengthen this building's infrastructure where the Library systems technological hub is located. It will fortify the building's ability to serve as a Disaster Recovery Center as well as an alternate Emergency Operations Center. This will also ensure the Libraries ability to serve the public system wide provided there aren't any extenuating circumstances with the local power company. This project will also protect the Libraries collections from damage from humidity as well as component damage to servers due to partial power.	Eligible	1289	\$187,000	If the library will serve as an alternate EOC it could be designated as a critical facility thereby making the generator an eligible project. However, demonstrating a successful BCA considers what the building's function is in "blue sky" conditions; i.e. a generator for Public Works Building that also serves as an EOC in disaster is more likely to have a successful BCA than a generator for a library that serves as an EOC in a disaster. This is because the Public Works building is likely to be able to show stronger benefits due to services provided to the public on a day to day basis.

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15	Gulfport	Generators for City's EOC	<p>This project proposes to install 3 emergency generators at the City Hall Complex which is also the City's Emergency Operations Center.</p> <p>Hurricane Irma left 85% of Gulfport without electric power for more than one week, destroying 17 transformers and downing many power lines. City Hall Complex was without electricity and was closed for one week. City Hall Complex is the City's Emergency Operations Center and consists of three buildings: City Hall/Police Department, Fire Department, and Public Services/Community Development Departments. No power at the EOC Complex compromised the City's emergency services and ability to respond and recover from Irma due to the lack of communications within and outside of the City, the use of computers, telephones, radios, and the equipment for damage assessment and monitoring of critical facilities such as water and lift stations.</p> <p>Objective 1.6 includes the identification of the City Hall Complex as a critical facility. As such the City has prioritized and has been hardening the facility. The City began hardening City Hall in 2001 by strengthening the skylight to withstand hurricane force winds. A HMGP grant in 2008 aided further strengthening efforts by installing window protection devices in City Hall/Police Station, Fire Station, and Public Services buildings. Further during 2008, the Fire Station bay doors and windows and doors were replaced with hurricane resistant doors and windows using City operating funds. As Irma has shown, the weakness in the City Hall Complex in providing critical services to the City's population, is maintaining electric power to maintain EOC services, communications, recovery, and operations.</p> <p>The current generator in the City Hall Complex is past its useful life and is in need of replacement. This generator is critical to the continuing operation of the Fire Station during events whereby interruptions in electrical service would no longer power the Fire Station. During Hurricane Irma, 85% of the City was without electrical power for one week, included was City Hall Complex. The current generator did not perform as it should have. Although current maintenance procedures include running the generator on a weekly basis, during the recovery from Irma revealed that the generator failed from constant operation and being underpowered to adequately supply electric power. The Utility Division of Public Works performed repairs to keep the generator from failing during Hurricane Irma, and the Emergency Operations Generator to allow continued operation during a state of emergency power outages or other causes of power outages due to Major Storms/Hurricanes.</p>	Eligible	1274	\$250,500	
18	Madeira Beach	Generator	<p>Minimize flooding in the town's lowest lying areas in town. These areas flood during major rain events and high tide.</p>	Eligible	1248	\$201,000	If this generator is for an alternate EOC, use of building during "blue sky" conditions will be a key factor in establishing a successful BCA
57	Town of North Redington Shores	Stormwater Backflow Valve		Eligible	1248	\$18,000	
30	Pinellas County	Solar Traffic Signal - Test Bed	<p><b>A countywide benefit:</b> To develop a battery/solar powered traffic signal equipment to provide power outage protection for traffic control devices at test locations throughout the county. A solar traffic signal will support the efficient flow of motorists in the event that a traffic signal may lose electricity during a storm or related event. The technology developed and used for the solar traffic test beds could be utilized throughout the entire county maintained signal system. This would help Pinellas County reduce its dependence on utility power as much as possible and could lead to a substantial power and money savings in the future.</p> <p><b>25% match funding could be acquired from Pinellas County Gas Tax.</b></p> <p><b>Hazards Addressed:</b> All Hazards</p>	Withdrawal Recommended	1245	\$225,000	
38	South Pasadena	Generator and Transfer Swith Upgrade at Fire Station 20	<p>Purchase and installation of new 175kW diesel generator and applicable electronic transfer switch (600a service rated NEMA3r outdoor transfer switch) at Fire Station #20 in South Pasadena, FL. Post Hurricane Irma, Fire Station 20 lost electrical power for four (4) days. During this time frame, Station 20 relied on an older (1978) generator configuration that was unable to supply sufficient electricity to run the air conditioning system or sufficient electrical outlets throughout the fire station. The City of South Pasadena is seeking funds that will provide an alternate electrical power source capable of running the fire station's AC system as well as sufficient outlets to run station computers, dispatch printer(s), and communications equipment. Natural Hazards addressed include 1-Flooding, 2 - Strom Wind, and 4 - All Hazard.</p>	Eligible	1241	\$70,875	

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41	St. Petersburg	Southwest Water Reclamation Facility Resiliency Wall	The City of St. Petersburg Engineering Department proposes to use FEMA Hazard Mitigation Grant Program (HMGP) funds to design and construct a hydrostatic wall surrounding the Southwest Water Reclamation Facility (SWWRF). The SWWRF is located less than a mile from the Gulf of Mexico and currently resides in Zone AE, equivalent to a 1 percent annual chance inundation area, with a Base Flood Elevation (BFE) of 11 to 12 throughout the site. The site is at medium to high exposure risk of flooding, and if the facility is inundated and rendered out of service, there is the potential that untreated wastewater would discharge into the Gulf of Mexico and the facility could be out of service for a significant duration of time. Most assets at the site are elevated to similar heights (between 11 and 12 feet NAVD), which leaves limited capacity to respond to current and future conditions such as sea level rise. The Tampa Bay Climate Science Advisory Panel (CSAP) has found that the Tampa Bay region may experience sea level rise somewhere between 6 inches to 2.5 feet by 2050, which could increase the BFE at the SWRRF site by as much. The proposed flood wall will protect the facility during present-day and future storm surge events, benefitting the structural longevity of the SWWRF and allowing the facility to continue operation and provide wastewater service to a large service population that extends beyond City boundaries. The flood wall will provide further benefit to the surrounding wetland habitats and neighboring properties by preventing any sanitary sewer overflows that may occur during heavy events from exfiltration the site. Implementation of the floodwall would accomplish not one but two Pinellas County LMS Goals: 1. Become a more disaster resilient community; and 2. Minimize coastal flooding losses in the coastal high hazard area, coastal storm area, and hurricane vulnerability zone. The proposed project also meets multiple objectives under these goals, including: Objective 1.6 (Property Protection): Identify, assess, prioritize, and harden critical facilities and key critical infrastructure. Objective 1.11 (Structural Projects): Support the construction of structures that reduce the impact of hazards including stormwater controls, floodwalls, seawalls, security and monitoring capabilities, and safe rooms. Objective 2.8 (Structural Projects): Identify structural projects where appropriate that minimize coastal flooding loss but protect environmental resources.	Eligible	1230	\$4,500,000	Protection up to 500-year storm would need to be provided since this is a critical facility.
9	Clearwater	Purchase 7 mounted generators	This project is the purchase of seven (7) portable 90kW trailer mounted generators. These generators would only be used to maintain lift stations operations during power outages, often associated with extreme weather. The generators would allow lift station without power to temporarily pump the waste water collection system. Maintaining power at a lift station prevents sanitary sewer overflows. The cost of this preventative measure is \$70,000 per generator. The estimated length of time to acquire equipment is 90 days.	Eligible	1227	\$350,000	Demonstrating successful BCA is key. Must be able to show the locations portable generators would be used for, and they can only be used for those sites.
37	Pinellas Suncoast Fire & Rescue District	Construction of new fire station to meet current building standards in alternate location	Current fire station does not meet building standards. Natural disasters, such as hurricanes require district personnel, i.e. firefighters and paramedics to evacuate to a safer location. Evacuation of personnel and equipment significantly delays response to emergencies during and after storms or other disasters. Construction of a fire station meeting current building standards will allow emergency personnel to remain in the fire station during and after a storm, thereby improving response times and service to four barrier island communities and unincorporated mainland area.	Withdrawn	1223	Request Withdrawn	Would be classified as "mitigation reconstruction", which caps the hard construction cost grant amount at \$150,000, plus some additional soft costs such as engineering or architecture fees. Project is being recommended to be withdrawn unless the applicant is willing to take on a significantly higher cost share given the hard construction cost cap.
32	Pinellas County	Re-establish Coastal Benchmarks in Pinellas County	There is approximately 23 miles of coastal beach from Pass-a-grille to Sand Key Bridge where most coastal benchmarks with elevations have been destroyed. Estimate approximately \$4,500 per mile to re-establish coastal benchmarks for all 23 miles for a total of approximately \$104,000 (for the survey bench run and bluebooking) plus approximately \$28,000 for the monuments plus project management time. Total estimate \$150k. Funding requested is to start re-establishing benchmarks for 5 to 10 miles along the coast for \$40,000. Further funding would be sought to complete the project over the next several years.	Withdrawal Recommended	1179	\$40,000	State did not consider this a mitigation project.
58	Town of North Redington Shores	LED Warning Sign	The goal of the LED sign is to notify visitors and residents of important messages before, during and after storm. This includes evacuation orders, warnings, hazards, etc.	Withdrawal Recommended	1169	\$30,000	
28	Pinellas County	Rebuilding of Public Works Buildings #20 and 4	A countywide benefit: Buildings 20 and 4, located at 22211 U.S. Highway 19 N., Clearwater, are far past their useful life. One building has been deemed uninhabitable, and the first floor of the other building has never been repaired from damage due to Tropical Storm Debby in 2012. Both buildings were reviewed for hardening in the past and it was determined that the majority of the structure would need to be rebuilt. Requested funding would be used to elevate and reconstruct the buildings as Category 5 facilities that can provide emergency operations countywide and also be habitable by staff. The elevating of the buildings and reconstructing will alleviate future repetitive loss.	Withdrawal Recommended	1158	\$2,250,000	Would be classified as "mitigation reconstruction", which caps the hard construction cost grant amount at \$150,000, plus some additional soft costs such as engineering or architecture fees. Project is being recommended to be withdrawn unless the applicant is willing to take on a significantly higher cost share given the hard construction cost cap.
22	Pinellas County	Drinking Water Facility Security Equipment	25% Match Funding could be acquired from Penny for Pinellas or Transportation Trust Fund	Withdrawal Recommended	1148	\$187,500	Security equipment is not funded through HMGP
23	Pinellas County	Force Main Sampling Equipment to Improve Sanitary Sewage Collection Process	The South Cross Bayou Water Reclamation Facility (SCBWRF) treats sanitary sewage collected from (4) different and independent collection system basins located in southern Pinellas County. There have been occurrences of monitored parameters exceeding the allowable limits in the influent ('hits'). Most recently these have included lead and copper, and other unknown compounds that have caused upsets in the treatment process. Although the County's IPP group is notified there is no effective mechanism in-place that can quickly help identify the source(s) of these 'hits'. This equipment will help track those sources and potentially prevent them from causing a negative effect on the quality of the treatment process, reclaimed water and surface water discharge.	Withdrawal Recommended	1143	\$337,500	Sampling equipment not typically covered under HMGP unless it is a sub-component of an otherwise eligible project.

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35	Pinellas Park	Installation of Shutters at City Buildings	Prior to a major wind event such as a tropical storm or hurricane, the City of Pinellas Park enacts measures to protect 16 city-owned critical facilities from wind and storm damage by manually installing storm shutter panels to the door and window openings of each building. These buildings include a school, library, performing arts center, three fire stations, four recreation centers, three city service centers and a document storage facility. Preceding Hurricane Irma, the protection of these buildings required 20-30 personnel from Public Works, Utilities, and Parks and Recreation working for 3 days to manually install storm shutter panels on these facilities. In an effort to protect property and become a more disaster resilient community, the proposed project involves providing opening protection to include pre-installed hand-crank storm shutters for City facilities. These hand-crank storm shutters allow for personnel to better utilize their time and effort for emergency protective measures by filling sand bags and distributing food and water to shelters.	Potentially Eligible	1124	\$507,750	Storm shutters are typically an eligible mitigation project, however, the entire building would need to be hardened; i.e. you cannot simply put shutters on a building that does not have a hurricane rated roof or is not floodproofed, etc. An engineering evaluation would need to be provided showing the other components are hardened.
53	Town of Belleair	Town Hall/Police Department security measure for critical facility	Install 2 pull down shutters for door ways to secure town hall and police department	Potentially Eligible	1119	\$4,500	The rest of the building would need to be hardened as demonstrated by an engineering evaluation.
3	Clearwater	Elevate 9 Clearwater Beach lift stations	This project includes elevating nine (9) lift stations on Clearwater Beach. The lift station telemetry, control, and power connections would be elevated at least two feet above the base flood elevation and storm surge height. Elevating the lift stations reduces the likelihood that they would be damaged by a storm and prevents sanitary sewer overflows. This cost of preventative measure is \$77,000 per elevated lift station. The estimated construction length would be 6 months.	Eligible	1118	\$515,000	
4	Clearwater	Purchase and install Stamford Baffles in 4 clarifiers at Marshall Street Facility	There are currently four (4) clarifiers at the Marshall Street Water Reclamation Facility. The project is the purchase and installation of Stamford Baffles on each of those clarifiers. The Baffles will increase performance by reducing the Total Suspended Solids (TSS) entering the effluent trough and adding the hydraulic capacity of the clarifier. The overall performance of the clarifiers will increase by reducing the velocity in the tanks. The baffles will allow clarifiers to handle peak flows associated with large rainfalls and storm surges and reduce the chance of sanitary sewer overflows. The baffles will be installed around the weir and attached to the concrete. The cost of this preventative measure is less than \$138,000 per Stamford Baffle. The estimated construction length is one year.	Potentially Eligible	1110	\$410,000	State has not seen a project quite like this before. Demonstrating successful BCA would be key - must be able to demonstrate the project will reduce future costs.
5	Clearwater	Purchase and install Stamford Baffles in 2 clarifiers at East Facility	There are currently two (2) clarifiers at the East Water Reclamation Facility. The project is the purchase and installation of Stamford Baffles on each of those clarifiers. The Baffles will increase performance by reducing the Total Suspended Solids (TSS) entering the effluent trough and adding the hydraulic capacity of the clarifier. The overall performance of the clarifiers will increase by reducing the velocity in the tanks. The baffles will allow clarifiers to handle peak flows associated with large rainfalls and storm surges and reduce the chance of sanitary sewer overflows. The baffles will be installed around the weir and attached to the concrete. The cost of this preventative measure is less than \$138,000 per Stamford Baffle. The estimated construction length is one year.	Potentially Eligible	1110	\$205,000	State has not seen a project quite like this before. Demonstrating successful BCA would be key - must be able to demonstrate the project will reduce future costs.
54	Town of North Redington Shores	Harden/Elevate Town Hall/EOC	The current building is currently under base flood elevation located on the barrier island. Funding of this project will protect the town's critical facility. The Town Hall also serves as our Primary EOC.	Eligible	1109	\$1,875,000	Would need additional information to confirm eligibility
2	Clearwater	Purchase and install manhole pans	This project is to purchase and install 17,614 manhole pans. These manhole pans are designed to limit rainwater from entering the waste water collection system when a manhole is submerged. This can help with storms that cause standing water or storm surge that has pushed tides onto roadways. Preventing water from entering the water collection system is important because if the pipe or the water reclamation facility cannot keep up with the amount of water entering the system, then a sanitary sewer overflow occurs. This can occur at either the manhole or at the reclamation facility. The Public Utilities Department has selected Rain stopper as their preferred manhole pan. Installation is basic: lift up the manhole, place on the rim of the manhole frame, then lower the manhole lid. Any water entering from the lid is stopped from entering the waste water collection system. The device only weighs ten pounds and is low maintenance since there are no moving parts. The cost of this preventative measure is less than \$150 per manhole. The estimated construction length is one year.	Eligible	1095	\$1,965,000	Would need to have vendor in place for application. BCA challenging for these types of projects - would need to quantify to cost of treating the stormwater in the calculation.
40	St. Pete Beach	Boca Ciega Isle Stormwater Improvements	This project consists of infrastructure improvements in stormwater basin 6F identified in the Stormwater Master Plan. The basin contains 5.8 acres in a residential zone and comprises the east end of Boca Ciega Isle, containing 52 properties. Local flooding occurs in the 2-year storm event up to 18" deep in the gutter line. Proposed mitigation includes additional storm inlet structures, pipe and an additional outfall structure. This project not only addresses the goal of becoming a more Disaster Resilient Community, but also the goal of Minimize Coastal Flooding Losses in the CHHA and Coastal Storm Area and Hurricane Vulnerability Zone. Both of these goals and the Objective of Structural Projects are addressed by the fact that this project addresses frequent flooding issues in the area it serves, which is located in the Hurricane Vulnerability Zone.	Eligible	1091	\$262,500	

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6	Clearwater	Purchase 2 mounted power stations	This project is for the purchase of two (2) portable 419KW trailer mounted power stations. Although the City's reclamation and water production facilities are on Duke Energy's critical facilities list, power outages due to storm damage can occur at Public Utilities facilities. The trailer mounted power stations allow for flexibility of redundant power supply that can be transported to any of the City's three (3) reclamation facilities. Having emergency power at facilities can prevent a sanitary sewer overflow. The cost of this preventative measure is \$150,000 per power station. The estimated length of time to acquire equipment is 90 days.	Eligible	1088	\$225,000	Demonstrating successful BCA is key. Must be able to show the locations portable generators would be used for, and they can only be used for those sites.
49	Town of Belleair	Town Hall/Police Department facility hardening, critical facility	Upgrade to town hall/PD critical facility roof for more secure facility during hurricane or other disasters.	Eligible	1083	\$127,500	Would need additional information to confirm eligibility
50	Town of Belleair	Bridge scour protection for island bridges	Install scour protection at 2 bridges in town. (North Pine Circle, and Winston Drive)	Potentially Eligible	1083	\$63,750	Would need additional information to confirm eligibility
7	Clearwater	Telemetry installation at critical and essential lift stations	This project involves outfitting 23 critical and essential lift stations with telemetry which enable remote monitoring. Allowing real time monitoring of lift stations enables faster responses to issues. This would reduce the likelihood of sanitary sewer overflows. The cost of this preventative measure is less than \$18,100 to add monitoring equipment to lift stations. The estimated construction length is 90 days.	Withdrawal Recommended	1080	\$310,000	The only way monitoring equipment such as this would ever be eligible is if it is a sub-component of a larger mitigation project.
33	Pinellas Park	Park Station Hardening and Generator	Park Station is a multi-use community building owned and operated by the City of Pinellas Park and located within the City's Community Redevelopment Area (CRA). The building is home to the Pinellas Park Gateway Chamber of Commerce, Pinellas Park Art Society, Pinellas Park Historical Society, Roe's Delicatessen, and the City's Communications and Marketing Department. Area businesses and non-profits are able to rent space at Park Station for meetings and events. In the days leading up to Hurricane Irma, city workers making storm preparations were provided hot meals at Park Station prepared by Roe's Deli. Following Hurricane Irma, FEMA representatives established a Disaster Recovery Center at Park Station where city and county residents could obtain recovery information and file an application for federal disaster assistance. Park Station is a critical asset to the community and is need of certain modifications to ensure its ability to provide continued services to city and county citizens after a disaster. In an effort to protect property and become a more disaster resilient community, the proposed project includes hardening of Park Station to include roof, walls, opening protection and installation of a permanent generator.	Eligible	1068	\$618,750	Generator cost would likely need to be removed as it is not a critical facility.
51	Town of Belleair	Water Plant Hazardous materials mitigate response kits	Buy new breathing apparatus, chemical spill kits, and chemical starter for security measures.	Withdrawal Recommended	1065	\$23,625	
34	Pinellas Park	Barbara S. Ponce Library Hardening and Generator	Throughout history, public libraries have served communities during times of crisis and have played a critical role in helping create a sense of normalcy amid chaos. In the wake of Hurricane Irma, the Barbara S. Ponce (BSP) Library in Pinellas Park became an anchor for the community by providing a safe place for citizens to gather and find out the latest post-storm information. Irma had weakened to a tropical storm by the time it passed east of Pinellas County, yet it left over 430,000 customers in the county without power – some for over a week. Many of those customers were able to take refuge in the library after the storm to cool off, recharge their devices and use the library's bank of computers to check email and apply for disaster assistance. Irma's impact was minimal which allowed the library to open quickly after the storm. However, the library's structure is not equipped or designed to withstand hurricane-force winds. The BSP Library is a critical asset to the community and needs certain modifications to ensure its ability to provide continued services to city and county citizens after a disaster. In an effort to protect property and become a more disaster resilient community, the proposed project includes hardening of Barbara S. Ponce Library to include roof, walls, opening protection and installation of a permanent generator.	Eligible	1061	\$806,250	Would be classified as "mitigation reconstruction", which caps the hard construction cost grant amount at \$150,000, plus some additional soft costs such as engineering or architecture fees. Project is being recommended to be withdrawn unless the applicant is willing to take on a significantly higher cost share given the hard construction cost cap.
29	Pinellas County	Cross Bayou Floodplain Restoration and Mitigation	The Cross Bayou Floodplain Restoration and Mitigation Project includes the acquisition of two properties; the removal of 94 manufactured homes, an office building, and two commercial structures; the removal of all infrastructure associated with the mobile home park and commercial property; and the restoration of over 10 acres into a green space that will provide for floodplain, stormwater, and other ecosystem services, and recreational opportunity. The PreFIRM mobile home park and commercial business to the south were developed in a low lying area along Cross Bayou, a tidally influenced creek in the Cross Bayou watershed. There are 95 structures in the park, including the manufactured homes and office. Over 85% of the mobile home park and the entire commercial lot flood with a mean annual rain event. Over 95% of the park becomes inundated with a 10 year event with depths in areas of the park reaching 3 ft and over 4 ft, respectively. The entire property is inundated with a 100 year storm with depths up to 6 feet in areas.  This project will remove 97 structures from the 25, 50, and, 100 year floodplains and restoration of the property will provide areas for natural floodplain functions, including additional floodplain storage, water quality treatment, addition of habitat, and recreational features.	Eligible	1053	\$5,000,000	

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31	Pinellas County	Lower Bee Branch Drainage Improvements and Caladesi Repetitive Loss Area Acquisition	<p>The Lower Bee Branch Bypass Drainage Improvements and Caladesi Repetitive Loss Area Acquisition project mitigates hazards from both Inland and Coastal flooding. The project is comprised of structural drainage improvement / stream restoration component (Alternative 3) and a repetitive loss acquisition / water quality pond / natural wetland creation components (Alternative 5) of the attached Drainage Study for Lower bee Branch Bypass.</p> <p>The Lower Bee Branch Bypass structural drainage improvements / stream restoration component reduces flooding by as much as 2.6 feet for the 100-year/24-hour freshwater flood event. This is a capital improvement project for a double box culvert structure to bypass flood flows from Bee Branch near the north end of Hidden Brook Drive to downstream of the existing culverts under Pennsylvania Avenue. The box culvert would run under Virginia Avenue and Pennsylvania Avenue staying within existing rights-of-way where possible. The existing stream bed is ecologically restored and will continue to carry normal low-flows. Collectively, drainage system capacity is greatly increased. The estimated cost of the Lower Bee Branch Bypass Drainage Improvements is \$6.5M based on estimate for Alternative 3.</p> <p>The Caladesi Repetitive Loss Area Acquisition component acquires the 5.5 acre Caladesi RV Park property, vacates 6 buildings and approximately 90 mobile home / recreational vehicle from the 100- floodplain and constructs an ecologically enhanced regional retention / water quality treatment pond facility in its place. The pond system will enhance water quality in the estuary through biological nutrient uptake in created wetlands and also capture sediments. The estimated cost of this repetitive loss property acquisition component is estimated as approximately \$2.2M based on estimate for Alternative 5.</p>	Eligible	1053	\$8,700,000	
8	Clearwater	Design and install automatic transfer bypass switches	<p>This project includes the design and installation of 23 automatic transfer bypass switches at lift stations, water reclamation facilities, and water treatment facilities. The bypass switch has the ability transfer the electrical load from the electric utility to the back-up generator and switch back when the power is back on. By having an automatic process, there is a reduction in the likelihood that a sanitary sewer overflow will occur. The cost of this preventative measures is \$100,000 per bypass switch. The estimated construction length is 6 months.</p>	Eligible	1043	\$1,700,000	Generator hook-up equipment is eligible as a stand alone application if there is a generator currently in place.
1	ARC Tampa Bay	The Arc Tampa Bay Long Center Generator	<p>The Arc Tampa Bay (formerly UPARC) is a private non-profit, 501 (c) 3 organization based in Pinellas County. The Arc Tampa Bay has been providing services to individuals with intellectual and developmental disabilities since 1958. The mission of The Arc Tampa is "to support and empower people with intellectual and developmental disabilities. The Arc Tampa Bay provides supports to approximately 275 individuals with intellectual and developmental disabilities on a daily basis. Within the continuum of services, The Arc Tampa Bay operates 18 Group Homes and an Apartment complex (all located in Pinellas County) supporting 143 people with I/DD. In preparation for a hurricane evacuation, based on the level of disability, the lack of family supports and the age of existing caregivers, we would anticipate less than 5% of our participants would seek shelter with their families. The Arc Tampa Bay serves many people who have significant cognitive and behavioral challenges whose needs would not be met in a typical special needs shelter. Additionally, due to the unique challenges of many of the people we serve they would potentially create a significant disruption to many of the participants in a special needs shelter. Without our ability to provide these critical life sustaining supports the individuals we serve would be in immediate danger due to their lack of skills. During Hurricane Irma, The Arc Tampa Bay implemented their Hurricane Plan which called for the evacuation of our entire residential continuum to two locations, one of our Group Home on 1290 12th Street, Palm Harbor which has a built -in generator to support those individual who are medically fragile and need continuous power and to our main day program/administrative facility at 1501 N. Belcher Rd., Clearwater. (The Long Center) Our plan calls for the relocation to two sites due to the expected difficulty of recruiting staff to work in extreme emergency situations. During Hurricane Irma, we housed approximately 250 persons at our Long Center property, between our residents, staff supporting our residents and family members of our staff. We were fortunate that we only lost power for ten hours. A prolonged loss of power could have had a devastating impact on person's who have compromised health conditions, e.g. breathing issues, seizures, autism, behavioral challenges, etc. We are requesting the purchase and installation of a natural gas based 125 kw generator to support approximately 7000 square feet, to support the critical health and safety needs of our residents during a hurricane.</p>	Eligible	1029	\$106,000	
55	Town of North Redington Shores	Harden Lift Stations	<p>The Town owns their own sewer system, which by retrofitting the panels will help with both safety of employees and reducing down time of the system</p>	Eligible	1025	\$412,500	

Project #	Applicant	Project Name	Project Description	Eligibility Status	LMS Scoring Committee Proposed Score	HMGP Funds Requested	State Comments
17	Largo	WWRF Lift Station Flood Mitigation	This project meets the goals and objectives for structural mitigation projects that include strengthening of vulnerable structures and public facilities to withstand wind, fire and other forces, and elevation of structures to protect them from flood damage. A number of the Wastewater Reclamation Facility (WWRF) sanitary sewer lift stations are in the flood plain. Continuity of operations of these lift stations is at risk during high rain and/or flooding events. The purpose of this project is to reconstruct the lift stations to raise the critical infrastructure above the flood plain at existing Lift Station Nos. 19, 26, 41 and 47.	Eligible	1016	\$2,362,500	
44	St. Petersburg	Central Yacht Basin Seawall Project	<p>The City of St. Petersburg proposes to use FEMA Hazard Mitigation Grant Program (HMGP) funds to design and implement a seawall mitigation program in the Central Yacht Basin of the City's Municipal Marina. The Marina is the largest in the state, with more than 600 rental boat slips, and is integral to the City's Downtown Waterfront. The seawalls within the Central Basin of the Marina currently protect key cultural landmarks of the Downtown Waterfront, including Demens Landing Park, Pioneer Park, and several restaurants and shops adjacent to Bayshore Drive. These structures are all located within Flood Zone AE, with a Base Flood Elevation (BFE) of 8 feet, and are exposed to flood hazards. However, the original Central Basin seawalls were only designed to 2.5 feet NAVD, less than a 10-year level of protection. The seawalls are prone to overtopping during surge events often impacting the use of Bayshore Drive, a multi-use scenic byway that provides visual and physical access to Tampa Bay and is often the location of local gatherings such as farmer's markets. To further support economic growth and investment in Downtown and to protect residential, commercial, cultural, and public assets, the City proposes to increase the level of protection of the existing seawalls to mitigate future conditions associated with sea level rise. The Tampa Bay Climate Science Advisory Panel (CSAP) has found that the Tampa Bay region may experience sea level rise somewhere between 6 inches and 2.5 feet by 2050, which could increase the BFE at the Marina and hurricane surge driven flooding. The enhanced seawalls will be designed to compliment future plans for a new Pier District to the north and a waterfront promenade along Bayshore Drive, which will enhance existing green space and improve pedestrian accessibility and connectivity across the Marina.</p> <p>Increasing the level of protection of the seawalls in the Central Yacht Basin will not only provide protection to surrounding cultural assets in the long term in the face of sea level rise, but also tie into a comprehensive plan for the Downtown Waterfront that will provide co-benefits such as improved open space, increased economic activity, and social cohesion opportunities. The seawall project will also accomplish multiple Pinellas County LMS Goals: 1. Become a more disaster resilient community; and 2. Minimize coastal flooding losses in the coastal high hazard area, coastal storm area, and hurricane vulnerability zone. The proposed project also meets multiple objectives under these goals, including:</p> <p>Objective 1.6 (Property Protection): Identify, assess, prioritize, and harden critical facilities and key critical infrastructure. The City considers seawalls key critical infrastructure as the walls not only serve to protect Downtown assets from storm surge, but also retain filled land from eroding into the Bay and degrading water quality.</p> <p>Objective 1.11 (Structural Projects): Support the construction of structures that reduce the impact of hazards including stormwater controls,</p>	Eligible	1002	\$4,725,000	Demonstrating successful BCA is key.
45	St. Petersburg	North Yacht Basin Seawall Project	<p>The City of St. Petersburg proposes to use FEMA Hazard Mitigation Grant Program (HMGP) funds to design and implement a seawall mitigation program in the North Yacht Basin of the City's Municipal Marina. The Marina is the largest in the state, with more than 600 rental boat slips, and is integral to the City's Downtown Waterfront. The seawalls within the North Basin of the Marina currently protect key cultural landmarks of the Downtown Waterfront, including the Vinoy Renaissance hotel, Straub Park, the Museum of Fine Arts, and the Museum of History. These structures are all located within Flood Zone AE, with a Base Flood Elevation (BFE) of 8 feet, and are exposed to flood hazards. However, the original North Basin seawalls were only designed to 4 feet NAVD, a 10-year level of protection. The seawalls are prone to overtopping during surge events often impacting the use of Bayshore Drive, a multi-use scenic byway that provides visual and physical access to Tampa Bay and is often the location of local gatherings such as farmer's markets. To further support economic growth and investment in Downtown and to protect residential, commercial, cultural, and public assets, the City proposes to increase the level of protection of the existing seawalls to mitigate future conditions associated with sea level rise. The Tampa Bay Climate Science Advisory Panel (CSAP) has found that the Tampa Bay region may experience sea level rise somewhere between 6 inches and 2.5 feet by 2050, which could increase the BFE at the Marina and hurricane surge driven flooding. The enhanced seawalls will be designed to compliment future plans for a new Pier District to the north and a waterfront promenade along Bayshore Drive, which will enhance existing green space and improve pedestrian accessibility and connectivity across the Marina.</p> <p>Increasing the level of protection of the seawalls in the North Yacht Basin will not only provide protection to surrounding cultural assets in the long term in the face of sea level rise, but also tie into a comprehensive plan for the Downtown Waterfront that will provide co-benefits such as improved open space, increased economic activity, and social cohesion opportunities. The seawall project will also accomplish multiple Pinellas County LMS Goals: 1. Become a more disaster resilient community; and 2. Minimize coastal flooding losses in the coastal high hazard area, coastal storm area, and hurricane vulnerability zone. The proposed project also meets multiple objectives under these goals,</p>	Eligible	1002	\$3,225,000	Demonstrating successful BCA is key.

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16	Largo	WWRF Operations Center Reconstruction	This project meets the goals and objectives for structural mitigation projects that include strengthening of vulnerable structures and public facilities to withstand wind, fire and other forces, and elevation of structures to protect them from flood damage. The existing Wastewater Operations Center is approximately 40 years of age and is not hurricane hardened. This structure is essential to treatment plant operations and the City would like to construct a new facility to minimize wind loss damage and ensure that staff could continue to operate the plant after a storm event.	Withdrawal Recommended	1002	\$3,000,000	Would be classified as "mitigation reconstruction", which caps the hard construction cost grant amount at \$150,000, plus some additional soft costs such as engineering or architecture fees. Project is being recommended to be withdrawn unless the applicant is willing to take on a significantly higher cost share given the hard construction cost cap.
10	Clearwater	Manhole and gravity sewer rehabilitation on Clearwater Beach	This project includes complete coating of structures, replacement of frame and cover of manholes and gravity piping. Through surveys, 333 manholes and 30,245 linear feet of gravity piping were identified as having the potential to allow the inflow and infiltration of stormwater. These corrections are designed to limit rainwater from entering the waste water collection system when a manhole is submerged. This can help with storms that cause standing water or storm surge that has pushed tides onto roadways. Preventing water from entering the water collection system is important because if the pipe or the water reclamation facility cannot keep up with the amount of water entering the system, then a sanitary sewer overflow occurs. This can occur at either the manhole or at the reclamation facility. The estimated construction length is one year.	Potentially Eligible	996	\$3,315,000	More information could be provided, but the State's initial impression is that this would be more of a "maintenance" project as opposed to a mitigation project that increases capacity.
12	Dunedin	Lift Station #32 Rehabilitation	Lift station #32 is adjacent to Jerry Branch, a tributary of Curlew Creek. The Florida Department of Environmental Protection (FDEP) along with the Environmental Protection Agency (EPA) listed Curlew Creek on the 303(d) list of impaired waterbodies for a bacteria Total Maximum Daily Load (TMDL). This lift station basin area suffers from Inflow and Infiltration (I&I), is currently undersized, and can experience significant sanitary sewer overflows (SSO's) during periods of heavy rains. This project's intent is to increase the wet well size and capacity, to mitigate the issues with I&I, and to address issues in the system related to undersized interceptor sewer mains in the system. These improvements will help mitigate impacts on waterways and residents.	Eligible	988	\$550,000	
56	Town of North Redington Shores	Underground Utilities (Gulf Blvd.)	Undergrounding utilities along the main corridor in Redington Shores. The town has obtained funding for the East side of Gulf Boulevard. The Town is seeking funding for the West side.	Eligible	974	\$5,000,000	
48	Town of Belleair	Emergency employee shelter, life support services retrofit	During preparation for hurricane Irma in the fall of 2017, it was noted that several key life support functions were not connected to back up generator or functioning properly, LMS funds are needed to connect/repair these key elements in the town's employee emergency shelter	Eligible	971	\$17,850	36.5
11	Dunedin	Lift Station #20 rehabilitation	Lift station #20 is adjacent to Jerry Branch, a tributary of Curlew Creek. The Florida Department of Environmental Protection (FDEP) along with the Environmental Protection Agency (EPA) listed Curlew Creek on the 303(d) list of impaired waterbodies for a bacteria Total Maximum Daily Load (TMDL). This lift station basin area suffers from Inflow and Infiltration (I&I), is currently undersized, and can experience significant sanitary sewer overflows (SSO's) during periods of heavy rains. This project's intent is to relocate the lift station to a location further from Jerry Branch, to increase the wet well size and capacity, and to mitigate the issues with I&I. These improvements will help mitigate impacts on waterways and residents.	Eligible	966	\$975,000	
46	St. Petersburg	Leisure Services Complex Wind Retrofit	The City of St. Petersburg Parks and Recreation Leisure Services Complex requires a wind retrofit to withstand a Category 3-5 Rating. This building serves as the primary administrative building for the Parks and Recreation Department and a command center and shelter for department staff during hurricane events. Currently, the building cannot withstand high category hurricanes or fulfill its purpose as a command center and shelter safely. This project will replace the existing roof and retrofit the roof and building envelope to mitigate the impacts of winds. This project directly addresses the LMS goal of "Minimize Storm Wind Losses in the County" through protecting a facility which benefits the general public.	Eligible	941	\$375,000	
52	Town of Belleair	Town of Belleair's Water plant, Secure facilities	Install 10 cameras and install 4 door locks to protect facility from attacks	Withdrawal Recommended	926	\$11,840	
21	Pinellas County	Cross Bayou Improvements	Significant and widespread flooding occurs along the Cross Bayou Canal, especially during large storm events. Severe road flooding resulting in impassible evacuation and emergency service roads is expected for the 100-year event, and arterial roads have a greater than ten percent chance of flooding in any given year. The Cross Bayou Improvements Project will improve conveyance through the Canal and reduce the depth and duration of flooding. Project elements include performing maintenance activities involving vegetation removal and channel dredging on approximately 14,500 linear feet of Cross Bayou Canal to restore the channel to the original design depth. Removed material shall be tested to account for pollutant removal.	Eligible	909	\$0	Eligible so long as this is a drainage project that results in increased capacity of existing system, and not a "maintenance" project (comments were made that maintenance activities as referenced in the description would likely be ineligible)
47	Town of Belleair	Water Wells back up power generator	Supply back up power generation and new pumps to RTW water supply wells for potable water generation.	Eligible	903	\$85,500	