

Osceola County Local Mitigation Strategy Project Submission Form

Project Name: Toho Water Authority Emergency Generator and Bypass Pump Mitigation Project				Submission Date: 5/10/23
Primary Agency: Toho Water Authority	Partner Agencies: None	Jurisdictions Benefited: <small>Kissimmee, Poinciana, and unincorporated areas of Osceola Co.</small>	Address: 951 MLK Jr. Blvd. Kissimmee, FL 34741	GPS: Multiple Locations
			Flood Zone:	USNG:

Primary Contact:	Secondary Contact:	Estimated Project Cost:	Project Timeframe:
Name: Robert Pelham	Name: John Fogarty	\$4,330,000.00	Project will be complete within 36 months from the date of agreement execution.
		Estimated Annual Maintenance Cost:	
		\$12,000.00	
Agency: Toho Water Authority	Agency: Toho Water Authority	Benefit Cost Analysis: Project submissions must include a benefit cost analysis. Projects with a BCA less than 1 will not be considered. https://www.fema.gov/fact-sheet/fema-bca-toolkit-60-installation-instructions	
Email: rpelham@tohowater.com	Email: jfogarty@tohowater.com		
Phone: 407-709-3677	Phone: 321-290-7570	BCA: TBD	

List Potential Funding Sources

Primary Funding Source(s):	FEMA HMGP (75%)	\$3,245,500
Local Cost-Share(s) (Match) and Maintenance:	Toho Water Authority Local Math (25%)	\$1,082,500

Primary Community Benefit:

Select Community Benefit

Primary LMS Category:

Select LMS Category

*Primary LMS Goal:

Select LMS Goal

*Primary Community Lifeline:

Select Community Lifelines

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Additional Project Information:	
Population Benefited: Project affects between 50,000 and 250,000 people	CRS Elements Addressed: None
Project Lifespan: 20-39 years	Mitigates Repetitive Loss: Yes <input type="radio"/> No <input checked="" type="radio"/> Attach relevant documentation if applicable
Project Status: Conceptual	Benefits Critical Facilities: Yes <input checked="" type="radio"/> No <input type="radio"/> Benefits Critical infrastructure: Yes <input checked="" type="radio"/> No <input type="radio"/>
Social Vulnerability Index: Project submissions will be scored using the social vulnerability index provided with the FEMA national risk index: https://hazards.fema.gov/nri/map <div style="text-align: right;">SVI: TBD</div>	Consistency with Additional Long Range Plans: Examples: Comprehensive plans, floodplain management plan, etcetera Toho Water Authority Capital Improvement Plan
Primary Hazards Addressed:	
Tropical Cyclone <input checked="" type="checkbox"/> Flooding <input checked="" type="checkbox"/> Tornado <input type="checkbox"/> Wildfire <input type="checkbox"/> Severe Thunderstorm <input checked="" type="checkbox"/> Pandemic <input type="checkbox"/> Agriculture/Livestock Disease <input type="checkbox"/> Geomagnetic Storm Sinkhole <input type="checkbox"/> Climate Change <input type="checkbox"/> <input type="checkbox"/>	Cyber Attack <input type="checkbox"/> Terrorism <input type="checkbox"/> Nuclear Facility Incident <input type="checkbox"/> Civil Unrest <input type="checkbox"/> Mass Migration <input type="checkbox"/> Transportation Incident <input type="checkbox"/> Hazardous Material Release <input type="checkbox"/>

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Project Description:

Project to construct permanent emergency generators for 2 wells, 4 water treatment plants, and 1 wastewater plant; emergency bypass pumps at two wastewater facilities and portable emergency generators to be used at water and wastewater facilities where needed respectively. Emergency generators will restore, maintain, and provide continuous water and wastewater service in the event of loss of power due to hurricanes, electrical storms, or electrical utility outage.

The emergency generators for the potable water wells and water treatment plants are:

WTP #1, WTP #2, WTP #3, Huron WTP and WTP #4 wells will replace existing generators that are old and obsolete due to repair parts availability. These water treatment plants are critical to supply uninterrupted and safe potable water to the citizens, businesses, and institutions in Osceola County. In the event of power failure created by electrical storms, hurricanes, and other severe weather events, these generators will provide emergency power to operate the facilities until permanent power is restored.

Wastewater treatment depends on the continuous operational readiness of treatment facilities. In the event of power failures created from electrical storms and utility outages it is critical to avoid interruption of power to these critical facilities. On-site generators are necessary to continue treatment of wastewater in the event of power outages.

The emergency generators, portable generators, and bypass pumps at wastewater treatment plants are:

Camelot WRF, South Bermuda WRF, and Sand Hill Road WRF will replace one emergency generator and two emergency bypass pumps that are old and obsolete due to repair parts availability. There are over 40 existing generators at Toho water and wastewater treatment facilities throughout Osceola County. Four (4) portable generators will provide a level of redundancy that can be used at treatment facilities to maintain potable water and/or wastewater treatment should a generator fail at one of these facilities.

Grant funding for the portable generators is anticipated to be requested from the 5% Initiative Hurricane Nicole funding.

Potential Disruption to Local Community:

Minimal. Installation of generators.

Potential Regulatory Compliance Issues:

None anticipated.