Osceola County Local Mitigation Strategy
Project Submission Form

Project Name: OUC OGS Emergency Diesel Generator				**Submission Date:** 5/7/25
Primary Agency: OUC	**Partner Agencies:**	**Jurisdictions Benefited:** Osceola County	**Address:** 5200 Holopaw Rd. St. Cloud, FL 34773 **Flood Zone:**	**GPS:** 28.144942,-81.076076 **USNG:** 17RMM9253013260

Primary Contact:	**Secondary Contact:**	**Estimated Project Cost:**	**Project Timeframe:**
Name: Randy Brunette Manager, Power Plant Engineering	**Name:** Karla Sartin Grants Administrator	$7,500,000.00 **Estimated Annual Maintenance Cost:** $15,000.00	Oct 2026-Sept 2027
Agency: OUC	**Agency:** OUC	**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: rbrunette@ouc.com	**Email:** ksartin@ouc.com		
Phone: Cell: 321-347-2230	**Phone:** Cell: 407-461-4393	**BCA:** 6.0	

List Potential Funding Sources

Primary Funding Source(s):	Hazard Mitigation Grant Program-Milton	Community Development Block Grant-Disaster Response
Local Cost-Share(s) (Match) and Maintenance:	OUC Capital Budget	

Primary Community Benefit:

Protection of Public Health and Safety

Primary LMS Category:

Critical Infrastructure/Facility Protection & Mitigation

***Primary LMS Goal:**

To minimize disruption to the community's infrastructure from a disaster

***Primary Community Lifeline:**

Energy (Power & Fuel)

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Additional Project Information:	
Population Benefited: Project affects between 50,000 and 250,000 people	**CRS Elements Addressed:** 430—Protection of critical facilities (PCF), 430—Other higher standards
Project Lifespan: 20-39 years	**Mitigates Repetitive Loss:** Yes ○ No ◉ **Attach relevant documentation if applicable**
Project Status: Study	**Benefits Critical Facilities:** Yes ◉ No ○ **Benefits Critical infrastructure:** Yes ◉ No ○
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** **SVI:** 87.30	**Consistency with Additional Long Range Plans:** **Examples: Comprehensive plans, floodplain management plan, etcetera** Florida Enhanced State Hazard Mitigation Plan (SHMP): Acc

Primary Hazards Addressed:

Tropical Cyclone	☑	**Cyber Attack**	☑
Flooding	☐	**Terrorism**	☑
Tornado	☐	**Nuclear Facility Incident**	☐
Wildfire	☐	**Civil Unrest**	☐
Severe Thunderstorm	☑	**Mass Migration**	☐
Pandemic	☐	**Transportation Incident**	☐
Agriculture/Livestock Disease	☐	**Hazardous Material Release**	☐
Geomagnetic Storm Sinkhole	☐		
Climate Change	☐		
	☐		

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Project Description:

OUC needs to upgrade its Emergency Diesel Generator (EDG) to provide security and reliability to its more than 58,000 customers in Osceola County served by the Osceola Generating Station (OGS).

OUC leaders realize the backup EDG must be enlarged from its current specifications, which is 169 kva. This unit is not functional. A correctly sized, most likely 2500 kva or larger EDG, would allow black start capabilities to establish the voltage and frequency on the grid.

We are proposing a two-step process to ensure this EDG provides a comprehensive backup source with increased capabilities. We intend to use about $2.5 million for design and engineering, issuing a Request for Proposal, selecting a vendor, and procuring long lead-time downpayment on necessary equipment. In the second step, we anticipate using approximately $5 million to complete the purchase and installation of the equipment at OGS. OUC is prepared to supply the 25% match for this project. OUC is prepared and committed to following all FEMA procurement and installation guidance and regulations.

OUC anticipates the timeline of the project will span approximately 24 months, from October 2026 to September 2027. If awarded prior to October 2026, OUC can accelerate this timeline. Step 1 will take at least 10 months; Step 2 will take at least 14 months. The current lead time on ordering an EDG is approximately 10 to 12 months.

OUC expects the lifespan of the new EDG will be at least 20 years. Serving 58,514 customers, this equates to a cost of $128.17 per customer. According to Natural Hazard Mitigation Saves: 2019 Report, sponsored by FEMA, this federal investment will provide a Benefit Cost savings of $45 million, a 6:1 ratio. (Natural Hazard Mitigation Saves: 2019 Report | National Institute of Building Sciences)

Potential Disruption to Local Community:	**Potential Regulatory Compliance Issues:**
The project offers benefits to the community and no dis	OUC does not anticipate any regulatory compliance issue

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LMS GOALS AND OBJECTIVES (2020)

Mitigation projects are intended to achieve the implementation of associated goals and objectives.

Goals & Objectives

1. To establish and continue local government capabilities for developing, implementing and maintaining effective mitigation programs by:

- Making collected data and information needed for defining hazards, risk areas, and vulnerabilities readily available
- Helping emergency services organizations develop preplanning capability to promptly initiate emergency response operations
- Supporting effective use of data and information related to hazard mitigation planning and program development
- Measuring and documenting the effectiveness of hazard mitigation initiatives implemented in the community
- Deriving and utilizing mitigation "lessons learned" from each significant disaster event occurring in or near the community
- Making community mitigation planning and programming assistance available to the community

2. To build toward a disaster resilient community with all sectors of the community working together by:

- Advocating for resources to establish and implement a business continuity and recovery program in the community for key community organizations
- Establishing and maintaining interagency agreements for local agencies and organizations, where possible, for the development and implementation of mitigation-related projects and programs
- Having governing bodies endorse and implement the Local Hazard Mitigation Plan and support community mitigation programming
- Establishing and continuing successful outreach programs, where possible, to gain participation in mitigation programs from key business, industry, institutions and community groups
- Periodically updating the community regarding local efforts in mitigation planning

3. To maximize capabilities for initiating and sustaining emergency response operations during and after a disaster by:

- Establishing and maintaining policies concerning the relocation, retrofitting or modification of evacuation routes
- Determining evacuation shelter priorities for the funding of shelter retrofit or relocation needed to ensure their operability during and after disaster events
- Retrofitting or relocating local emergency services facilities to withstand the structural impacts of disasters, as funding becomes available
- Providing response capabilities necessary to protect visitors, special needs individuals, and the homeless from a disaster's health and safety impacts as resources permit

- Retrofitting or relocating shelters or structures for vehicles and equipment needed for emergency services operations to withstand the impacts of disasters as funds become available
- Retrofitting or relocating utility and communications systems supporting emergency services operations to withstand the impacts of disasters as funds become available
- Prioritizing routes to and from key critical facilities and evacuation routes for accessibility

4. To minimize disruption to the continuity of local government operations by:

- Retrofitting or relocating buildings and other facilities used for the routine operations of government, where possible, to withstand the impacts of disasters
- Preparing community redevelopment plans to guide decision-making and resource allocation by local government in the aftermath of a disaster
- Working to protect important local government records and documents from the impacts of disasters
- Updating plans and identifying resources to facilitate reestablishing local government operations after a disaster
- Obtaining redundant equipment, facilities, and/or supplies, as needed funding becomes available, to facilitate reestablishing local government operations after a disaster

5. To minimize threats of disasters to the health, safety and welfare of the community's residents and visitors by:

- Establishing and maintaining systems for notifying the public at risk and providing emergency instruction during disasters
- Supporting effective structural measures to protect residential areas from the physical impacts of disasters
- Seeking to reduce the vulnerability of facilities in the community posing an extra health or safety risk when damaged or disrupted by the impact of a disaster
- Encouraging the retrofit or relocation of public and private medical and health care facilities in the community to withstand the impact of disasters
- Removing or relocating residential structures from defined hazard areas where feasible
- Encouraging the retrofit of residential structures by their owners to withstand the physical impacts of disasters
- Reducing the vulnerability of structures, facilities and systems serving visitors to the community in order to meet their immediate health and safety needs
- Providing resources, equipment and supplies to meet community health and safety needs after a disaster

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6. To support effective hazard mitigation programming through establishment and implementation of applicable local government policies and regulations by:

- Identifying local government facilities that could be enhanced by mitigation techniques to minimize physical or operational vulnerability to disasters
- Reviewing and where appropriate, revising land use policies, plans and regulations in order to discourage or prohibit inappropriate location of structures or infrastructure components in areas of higher risk
- Ensuring that hazard mitigation needs and programs are given appropriate emphasis in resource allocation and decision-making
- Establishing and enforcing building and land development codes that are effective in addressing the hazards threatening the community
- Avoiding high hazard natural areas for new or continuing development
- Participating in and supporting the National Flood Insurance Program (NFIP) and the associated Community Rating System (CRS)
- Locating new local government facilities outside of identified high hazard areas and/or designing them in a manner that minimizes their vulnerability to the impacts of such hazards
- Encouraging the use of appropriate hazard mitigation techniques in the reconstruction and rehabilitation of structures and utilities in the community
- Promoting private property maintenance that is consistent with minimizing vulnerabilities to disaster

7. To minimize the vulnerability of homes, institutions and places of employment to the effects of disaster by:

- Identifying funding and providing economic incentive programs for the general public, businesses and industry to implement structural and non-structural mitigation measures
- Supporting key employers in the community in the implementation of important mitigation measures for their facilities and systems
- Assisting with the removal, relocation or retrofitting of vulnerable structures and utilities in hazard areas including schools, libraries, museums, and other institutions important to the daily lives of the community

8. To minimize the threat to the economic vitality of the community from a disaster by:

- Strengthening where feasible components of the infrastructure needed by the community's businesses and industries from the impact of disaster
- Developing emergency response and disaster recovery plans that consider the needs of key employers in the community
- Encouraging community businesses and industries to make their facilities and operations more disaster resistant
- Helping to establish and maintain programs, facilities and resources to support the resumption of business activities by local businesses and industry impacted by disasters
- Educating the public regarding the condition and functioning of the community in the aftermath of a disaster

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9. To minimize disruption to the community's infrastructure from a disaster by:

- Encouraging hazard mitigation programming by private sector organizations owning or operating key community utilities including major energy sources, and telecommunications
- Supporting routine maintenance of the community's infrastructure to minimize the potential for system failure
- Strengthening transportation and utility services in the community to reduce failures

10. To promote community awareness and education by:

- Encouraging interested individuals to participate in hazard mitigation planning and training activities
- Providing public education, especially to those living or working in defined hazard areas, about their vulnerability to disasters and effective mitigation techniques
- Offering training to managers of public facilities about hazard mitigation techniques and the components of the community's mitigation plan
- Providing technical training in mitigation planning and programming to appropriate local government employees
- Encouraging information sharing about appropriate hazard mitigation techniques among owners and operators of businesses and industries in the community

FEMA COMMUNITY LIFELINES:

Safety and Security - Law Enforcement/Security, Fire Service, Search and Rescue, Government Service, Community Safety

Food, Water, Shelter - Food, Water, Shelter, Agriculture

Health and Medical - Medical Care, Public Health, Patient Movement, Medical Supply Chain, Fatality Management

Energy - Power Grid, Fuel

Communications - Infrastructure, Responder Communications, Alerts Warnings and Messages, Finance, 911 and Dispatch

Transportation - Highway/Roadway/Motor Vehicle, Mass Transit, Railway, Aviation, Maritime

Hazardous Material - Facilities, HAZMAT, Pollutants, Contaminants

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Congress of the United States
House of Representatives
Washington, DC 20515

May 14, 2025

Mr. Bill Litton
Director
Osceola County
1 Courthouse Square, Suite 4700
Kissimmee, FL 34741

Re: Local Mitigation Strategy Project Submission from Orlando Utilities Commission

Dear Director Litton:

I am writing to express my support for the Orlando Utilities Commission's (OUC) application regarding its Emergency Diesel Generator (EDG) project at the Osceola Generating Station (OGS). OUC has informed me that this project is critical to ensuring the security and reliability of electric service for the more than 58,000 customers it serves in Osceola County.

According to OUC, the current backup EDG at OGS, rated at 169 kilovolt-amperes (kVA), is nonfunctional and undersized for the facility's operational needs. The proposed project would replace it with a significantly larger unit, potentially 2,500 kVA or more, to enable black start capabilities to establish voltage and frequency on the grid, an essential function in the aftermath of major storms or grid failures.

The estimated cost of this infrastructure project is approximately $7.5 million. OUC anticipates that 75 percent of the funding will be sourced from the Federal Emergency Management Agency's Community Development Block Grant–Disaster Recovery program and the Hazard Mitigation Grant Program in response to Hurricane Milton. I understand that OUC is committed to funding the remaining 25 percent of the project cost.

OUC has a strong track record of investing in hazard mitigation and resilient infrastructure for our community. As we approach the 2025 hurricane season, I commend their proactive efforts to enhance grid reliability and public safety. I humbly request that you give your full and fair consideration to their application consistent with Osceola County guidelines. Thank you for your time and attention to this matter.

Sincerely,

Darren Soto

Darren Soto
Member of Congress