

Thank you for submitting a project for consideration under the Florida DEP Protecting Florida Together website. Our project team is evaluating your submittal. In the event your submittal is identified to move to the next stage of consideration, our staff will be in touch with you. You can always check our [grants page](#) for final project selections. If you have any questions, please contact [Resilience@FloridaDEP.gov](mailto:Resilience@FloridaDEP.gov).

## Project Details

### Entity/Sponsor Name

Pinellas County Utilities

### Project Title

W.E. Dunn Water Reclamation Facility Electrical Improvements

### Short Project Description

This project seeks to upgrade electrical equipment at the W.E. Dunn Water Reclamation Facility (Dunn WRF) to increase reliability and resiliency at the facility for emergencies and especially during adverse weather such as storm and hurricane events. The Dunn WRF is located at 4111 Dunn Drive, Palm Harbor FL 34683 and serves Pinellas County's north service area. A major constraint of the facility is its aging and outdated electrical and backup system, predominantly constructed before 1995.

### Project Outcomes

The existing electrical system at Dunn WRF does not meet EPA Class I Reliability guidelines requiring that "design of the power distribution system must be such that no single fault or loss of a power source will result in disruption". This project will comply with EPA guidelines and increase reliability and resiliency in the facility's electrical and backup system, by replacing old generators/transformers with new, larger ones, adding a tie feeder between MCCs, and adding heat/smoke detection.

### Has a Vulnerability Assessment been performed for this area previously?

Yes

### Please provide details on the Vulnerability Assessment performed and how this project was identified as a result

The County is currently performing a Countywide Vulnerability study and a Risk and Resiliency study on its wastewater system.

### Project Type

Comprehensive Plan amendments and necessary analyses for complying with "Peril of Flood" statute (Sec. 163.3178(2)(f) F.S.) for communities with a Coastal Management Element in their comprehensive plan, Development of adaptation/resilience plans, projects, and policies that allow for preparation for threats from flooding and sea level rise

### Please provide a short description of what steps your county/municipality has taken thus far towards compliance with the Peril of Flood Statute (Sec. 163.3178(2)(f) F.S.):

Through the "Comprehensive Plan Evaluation and Post-Disaster Redevelopment Plan Update" project (June 2021), Pinellas County took action to comply with the "Peril of Flood Statute". The project identified relevant comprehensive plan policies that address critical issues such as coastal flooding, redevelopment, long-term resiliency, and adaptation. The policies from this effort helped understand the connections between plans and programs such as Sustainability and Resiliency Action Plan.

### Please provide a brief description of previously completed or ongoing Vulnerability Assessments, plans, and policies, and how the proposed project will build on those.

The County owns over \$3 billion in water/wastewater assets and manages them by assessing them and implementing plans to ensure their assets are in working conditions. The County is in the process of developing its Wastewater Master Plan including a Vulnerability Assessment. The County has also embarked on an Optimization Program for its facilities.

This project is part of the Optimization Plan and will build on policies set forth by the County to increase resiliency and decrease vulnerability.

## Contact Information

**Contact Information: Name**

Tom Menke

**Street Address**

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**State**

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**Zip**

33756

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## Funding Requests

**Project Type**

New Project

**Anticipated Grant Funds Needed**

\$ 3,600,000.00

**Local Funds and/or Match Commitment**

\$ 5,400,000.00

**Source(s) of match funding?**

Pinellas County Utilities

**Total Project Cost**

\$ 9,000,000.00

**Multi-Year Funding Breakdown**

This is not a multi-year project.

**Cost Effectiveness**

This project hardens Dunn WRF by providing increased reliability and resiliency in the facility's electrical and backup system. This is critical, as sustained power outages could lead to discharge of untreated or partially-treated wastewater, and subsequent public health and environmental concerns.

# Proposed Project Readiness to Proceed

**Proposed Start Date**

10/04/2021

**Estimated End Date**

10/31/2022

**Is this project already permitted?**

Yes

**Is this project already designed?**

Yes

**Please list the plans and resources in place to make this project a success.**

Pinellas County Utilities owns and operates Dunn WRF and will be responsible for operating and maintaining the electrical improvements that will be installed in this project.

## Additional Information

**Will the project provide benefit to, or be located within, a state-designated financially disadvantaged community?**

No or Not Applicable

**Is there a public outreach component to the project?**

No

**County/Counties**

Pinellas County

## Project Location

**Project Location Latitude**

28.108539069852952

**Project Location Longitude**

-82.7636307477951

**Project Category**

- 1 (Primary Purpose) Resiliency Implementation
- 2 (Secondary Purpose) Peril of Flood
- 3 (Tertiary Purpose) Other

**Project Category Other**

EPA Class I Reliability

## Acknowledgement and Submit

Yes

Yes