

Water Treatment Plant

Emergency Generation Addition

I. What – Project Information/Basic Facts

1. Project Scope : This project is to provide full emergency water production at the Guy E. McAlily Water Plant in Foley. The plant currently treats water from 4 wells, and construction is underway on Wells 14A and 14B. The total plant capacity will increase from 2,300 Gallons per Minute, GPM, to 3,500 GPM. This additional capacity can be critical in the recovery of hurricane events by providing water to responding groups staged in Foley, and it also allows water to be distributed in neighboring towns such as Elberta and Summerdale where emergency connections are available. Permanent emergency generation at the water plant will free up the existing mobile units for these two new wells.
2. Project duration or schedule by phase and status of any work in progress: This project will take 6 months to complete. This work would be the second phase of the McAlily Water Treatment Plant Expansion. The first phase included the addition of a higher capacity aeration unit to accommodate the higher flow from Wells 14A and 14 B.
 - 2.1. Conceptual and Feasibility Planning, Engineering, Construction: The plan consists of a 350 KW generator, automatic transfer switch and the rewiring of the electrical service to the building.
3. Estimated Cost (plus or minus 30%): **\$250,000.00**
 - 3.1. Indicate level of confidence in accuracy of these estimates: These estimates project a total project cost with a high level of confidence.

II. Why – Project Description relative to Impact and Criteria

1. Identify what need, threat or opportunity that this project, study, or recommendation will address: This project will provide vital infrastructure support to the recovery efforts due to extended outages from hurricane events. Recovery efforts can be accelerated when basic needs, such as a clean potable water supply, are provided at or near ground zero. How does this project or recommendation address and impact the recommended evaluation criteria:
 - 1.1.1. Coastal Recovery: This project will be vital in the future recovery efforts of natural or manmade disasters to the Alabama Gulf Coast by maintaining the potable water system in Foley. This project will also support water systems of the neighboring towns of Elberta and Summerdale, if needed, through existing emergency connections.
 - 1.1.2. Resiliency: This project hardens the water treatment infrastructure in Foley where staging for vital response efforts along the Gulf Coast can be housed.
 - 1.1.3. Transformational: This project protects the quality of life for the residents and transient workers during the recovery efforts of natural and manmade disasters.
 - 1.1.4. Regionalism: This project does add to the regional cooperative vision where emergency water supplies can support the coastal neighbors of Gulf Shores and Orange Beach during recovery efforts of disasters.
 - 1.1.5. Economic Diversification: This project can help provide the needed infrastructure to be used in the economic recruiting of projects that need a high quality and a reliable and continuous source of potable water. This project adds to the reliability and the hardening of the water infrastructure in Foley.
2. Project Economics: The project will support the construction and the electronics manufacturing sectors in the State of Alabama through the competitive bid process
3. Identify Direct Project benefits to Coastal Alabama, including avoided costs, consequence of “No Build” alternative: Without this infrastructure, recovery from both natural and manmade disasters would be more stressful on the existing infrastructure, the responding personnel and the neighboring cities who could be supplied with water from the Foley system.
 - 3.1. Impact on employment, job training and development, both short term and permanent: This project will add to the level of expertise needed to operate the water system. Training and continuous education will be critical to maintain this improvement.
 - 3.2. Oil spill mitigation outside of claims process: Not applicable

4. Identify Indirect benefits and costs

- 4.1. Collateral Benefits to the objectives of Healthy Environment, Healthy Economy and Healthy Society (subjective responses allowed): This project can help support the development of a more diverse economy in this region that has seen the negative effects of being too dependent on the Gulf of Mexico. The project will harden and improve the reliability of the water system in Foley. This can help create a more healthy economic base, which can lead to a more healthy society.
- 4.2. Collateral Costs or impacts to the objectives of Healthy Environment, Healthy Economy and Healthy Society (subjective responses allowed): None known
- 4.3. Connectivity and Linkage to other projects or initiatives: Does this project complement or compete with other projects? What other projects would be precluded if this project is funded? This project links itself to the regionalism of the area where the City of Foley has the opportunity to support recovery of the coastal impacts due to natural and manmade disasters.

III. Who/How - General Information

1. Name and contact information for Entity, Collaboration or Person submitting project or recommendation nomination. **The Utilities Board of the City of Foley, AL, 413 East Laurel Avenue, Foley AL 36535, Attn: Michael M. Dugger, General Manager**
2. Identify Sponsoring Entity for oversight and accountability if different from above.
- 2.1. Existing or to be created? Not applicable
- 2.1.1. If to be created, what parties or interests must be involved and what level of effort is required to do so?
- 2.2. Describe governance, organizational capacity, availability of skills, experience of sponsoring entity to implement the Project: The Board and its staff will oversee the project as it has in past projects. The staff consists of professional engineers, inspection personnel and a full accounting department.

- 2.3. Project complexity: Hurdles and barriers to project implementation, completion and sustainability. Identify regulatory issues: The City of Foley holds title to the property where the project will be placed. Implementation will be based on equipment and materials availability. None of which should cause any delays.
3. Identify any known or anticipated administrative, regulatory, or legislative action that would be required at either the local, state, or federal governmental level. None.
 4. Requested funding from Coastal Recovery Fund (CRF) **\$250,000.00**
 5. Identified potential funding sources other than the CRF: This type of expansion would be funded from bond funds, rate funded capital funding and future connection fees.
 - 5.1. Leverage or multiplier on CRF investment: matching funds, public or private: Bond and rate funded capital funding through the Board would be a possible source of support funding.
 - 5.2. Public Private Opportunities, user fees, Federal funds, private foundation grants, bonding capacity, etc: Connection fees could provide some minimal funding support.
 6. Forecast of ongoing maintenance or operating costs and source of funding if not self sustaining: Maintenance and operating costs are supported through the rates charged for each service.