



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2020-2021

LFIR # 1191

1. **Project Title**
2. **Senate Sponsor**
3. **Date of Request**

4. **Project/Program Description**

The Town's freshwater supply is quickly deteriorating due to increased chlorides (saltwater). Pilot testing is essential to understanding the true cost of a Reverse Osmosis treatment system and will result in better plant and injection well design by uncovering any potential challenges in treating the water before the full-scale plant is constructed. This study will identify critical design criteria and environmental impacts of the system in order to maintain a sustainable water supply. The Town of Belleair will install a pilot Reverse Osmosis system that would simulate final potable water quality, as well as simulating the reject water quality for deep well injection. The Reverse Osmosis test skid is the smallest unit that simulates full scale hydraulics and recovery, without the use of concentrate recycle. The results of this research will aid in the selection of membrane technology, chemical mixtures, as well as other Reverse Osmosis treatment investment options.

5. **State Agency to receive requested funds**
- State Agency contacted? Yes No

6. **Amount of the Nonrecurring Request for Fiscal Year 2020-2021**

| Type of Funding | Amount |
|------------------------------------|--|
| Operations | <input style="width: 80%;" type="text" value="122,450"/> |
| Fixed Capital Outlay | <input style="width: 80%;" type="text" value="000"/> |
| Total State Funds Requested | 122,450 |

7. **Total Project Cost for Fiscal Year 2020-2021 (including matching funds available for this project)**

| Type of Funding | Amount | Percentage |
|--|---|--|
| Total State Funds Requested (from question #6) | <input style="width: 80%;" type="text" value="122450"/> | <input style="width: 80%;" type="text" value="100.0"/> % |
| Matching Funds | | |
| Federal | <input style="width: 80%;" type="text" value="00"/> | <input style="width: 80%;" type="text" value="0"/> % |
| State (excluding the amount of this request) | <input style="width: 80%;" type="text" value="00"/> | <input style="width: 80%;" type="text" value="0"/> % |
| Local | <input style="width: 80%;" type="text" value="00"/> | <input style="width: 80%;" type="text" value="0"/> % |
| Other | <input style="width: 80%;" type="text" value="00"/> | <input style="width: 80%;" type="text" value="0"/> % |
| Total Project Costs for Fiscal Year 2020-2021 | 122,450 | 100 % |

8. **Has this project previously received state funding?** Yes No
- If yes, provide the most recent instance:

| Fiscal Year (yyyy-yy) | Amount | | Specific Appropriation # | Vetoed |
|---|--|--|--|--|
| | Recurring | Nonrecurring | | |
| <input style="width: 100%;" type="text"/> | <input style="width: 80%;" type="text"/> | <input style="width: 80%;" type="text"/> | <input style="width: 80%;" type="text"/> | <input style="width: 80%;" type="text"/> |

9. **Is future-year funding likely to be requested?** Yes No
- If yes, indicate nonrecurring amount per year.



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10. Details on how the requested state funds will be expended

| Spending Category | Description | Amount |
|--|---|----------------|
| Administrative Costs: | | |
| Executive Director/Project Head Salary and Benefits | | |
| Other Salary and Benefits | | |
| Expense/Equipment/Travel/Supplies/Other | | |
| Consultants/Contracted Services/Study | | |
| Operational Costs: Other | | |
| Salary and Benefits | | |
| Expense/Equipment/Travel/Supplies/Other | Reverse Osmosis Pilot Skid Rental, Cleaning System, Media Filtration, Pilot Consumables, Chemicals | 90,650 |
| Consultants/Contracted Services/Study | RO Pilot Vendor setup, startup, training; Engineering support through study and Pilot Report. Report delivery. Public education, outreach and communications. | 31,800 |
| Fixed Capital Construction/Major Renovation: | | |
| Construction/Renovation/Land/Planning Engineering | | |
| Total State Funds Requested (must equal total from question #6) | | 122,450 |



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11. Program Performance

a. What specific purpose or goal will be achieved by the funds requested?

The Town of Belleair will install a pilot Reverse Osmosis system that would simulate what final water quality would be like after undergoing the full process, as well as simulating reject water quality. The Reverse Osmosis test skid is the smallest unit that stimulates full scale hydraulics and recovery, without the use of concentrate recycle. Please see the attachment for more details.

b. What activities and services will be provided to meet the intended purpose of these funds?

Utilizing these funds, Belleair will engage with a specific vendor for the leasing of a pilot Reverse Osmosis system. Professional engineers and town staff will examine membrane and chemical selection, as well as system outputs.

c. What direct services will be provided to citizens by the appropriation project?

Higher quality of groundwater and drinking water due to an overall reduction of bacteriological and treatment byproducts.

d. Who is the target population served by this project? How many individuals are expected to be served?

Approximately 4,200 residents of the Town of Belleair and Belleair Bluffs.

e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?

An actionable report with scalable data regarding finished water qualities, chemicals, and membrane composition required for a full-scale Reverse Osmosis system. This project will ultimately help improve the groundwater quality by cycling well utilization. This will be measured by a comparative before and after measure of Total Dissolved Solids (TDS). Benchmarking and regression analysis will be utilized to projects finished water qualities. This project will also improve drinking water quality by reducing bacteriological/treatment byproducts which will also be measured by a comparative before and after measure of TDS, bacteriological, and treatment byproducts with a 3rd party lab.

f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for in the contract?

Refund of proceeds.



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12. The owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.

N/A

13. Requestor Contact Information

- a. First Name Last Name
- b. Organization
- c. E-mail Address
- d. Phone Number Ext.

14. Recipient Contact Information

- a. Organization
- b. Municipality and County
- c. Organization Type
- For-profit Entity
 - Non-Profit 501(c) (3)
 - Non-Profit 501(c) (4)
 - Local Entity
 - University or College
 - Other (please specify)
- d. First Name Last Name
- e. E-mail Address
- f. Phone Number

15. Lobbyist Contact Information

- a. Name
- b. Firm Name
- c. E-mail Address
- d. Phone Number Ext.



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Please complete the questions below for Water Projects only.

16. **Have you applied for alternative state funding?**

- Waste Water Revolving Loan
- Drinking Water Revolving Loan
- Small Community Wastewater Treatment Grant
- Other (please specify)
- N/A

17. **What is the population economic status?**

- Financially Disadvantaged Community (ch. 62-552, F.A.C.)
- Financially Disadvantaged Municipality (ch. 62-552, F.A.C.)
- Rural Area of Economic Concern
- Rural Area of Opportunity (s. 288.0656, Florida Statutes)
- N/A

18. **What is the status of construction?**

19. **What percentage of the construction has been completed?**

20. **What is the estimated completion date of construction?**

The information provided will be posted to the Florida Senate website for public viewing if sponsored by a Senator.