

LFIR # 1529

- **Project Title** 1. Margate Water Treatment Plant Improvements
- 2. Senate Sponsor Perry Thurston
- 3. Date of Request 11/12/2019

4. **Project/Program Description**

The City of Margate Water Treatment Plant is a lime softening plant which withdraws water from 12 raw water wells located on site. Under existing operation, blowdown from the backwash holding tank is sent to an unlined lagoon for thickening. As this lagoon is not lined, all potable water collected as part of the City's backwashing operations is sent to waste. The proposed work includes replacing the existing lagoon with a new decant basin which will allow the City to recycle the once wasted water and send it back to the head of the plant. This tank system will allow Margate to reduce waste of potable water and decrease raw water pulled from Biscayne Aquifer. The improvement to the water treatment plant is part of the east wastewater treatment plant Integrated Fixed-Film Activated Sludge (IFAS) plant conversion.

State Agency to receive requested funds Department of Environmental Protection 5.

○ Yes ● No State Agency contacted?

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

Type of Funding	Amount	
Operations		
Fixed Capital Outlay	616,508	
Total State Funds Requested	616,508	

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)	616508	50.0 %	
Matching Funds			
Federal	00	0 %	
State (excluding the amount of this request)	00	0 %	
Local	616,508	50 %	
Other	00	0 %	
Total Project Costs for Fiscal Year 2020-2021	1,233,016	100 %	

Has this project previously received state funding? 8. ○ Yes No

If yes, provide the most recent instance:

Fiscal Year	Amount		Specific	
(уууу-уу)	Recurring	Nonrecurring	Appropriation #	Vetoed

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: Oth	er	
Salary and Benefits		
Expense/Equipment/ Travel/Supplies/Other		
Consultants/Contracted Services/Study		
Fixed Capital Construc	tion/Major Renovation:	
Construction/Renovation/ Land/Planning Engineering	Construct decant basin in water treatment plant to enable recycling of decant water back to the head of the plant.	616,508
Total State Funds Re	equested (must equal total from question #6)	616,508



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11. Program Performance

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

Significantly reduce the amount of wasted potable water in the water treatment plant by implementing a decant tank system capable of reclaiming once wasted potable water.

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

The City of Margate will have the ability to reduce consumptive use and reduce amount of water pulled from the Biscayne Aquifer.

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

The citizens of Margate will be provided with a more efficient and sustainable water process.

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

The service area for both water in the City of Margate and Coconut Creek will benefit from this project. There are approximately 65,000 people in the City's service area.

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

The recycled water that will be reclaimed, rather than sent to waste, in the water treatment plant will be measured through flow meters at the head of the plant. The raw water well flow meters will show a reduction in the amount of water pulled from the Biscayne Aquifer.

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?

Reimbursement of state funds.



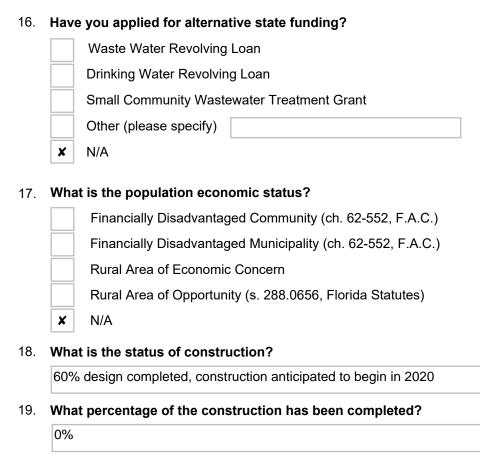
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12. The owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.

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City of Margate			
Requestor Contact			-
a. First Name	Cale	Last Name Curtis	
b. Organization	City of Margate		
c. E-mail Address	citymanager@margatefl.com		
d. Phone Number	(954)935-5300	Ext.	
Recipient Contact	Information		
a. Organization	City of Margate		
b. Municipality and	County Broward		
c. Organization Typ	be		
For-profit E	ntity		
Non-Profit 5	•		
O Non-Profit 5	501(c) (4)		
Local Entity	1		
 University c 	or College		
Other (pleas	se specify)		
d. First Name	Larry	Last Name Vignola	
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Lobbyist Contact I			
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d. Phone Number	(305)9351866	Ext.	



Please complete the questions below for Water Projects only.



20. What is the estimated completion date of construction?

06/01/2022

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