

Appropriations Project Request - Fiscal Year 2020-21

For projects meeting the Definition of House Rule 5.14

1. Title of Project: Brevard County Next Generation Sewage & Biosolids Treatment Pilot Project

2. Date of Submission: 11/01/2019

3. House Member Sponsor: Thad Altman

Members Copied:

4. DETAILS OF AMOUNT REQUESTED:

a. Has funding been provided in a previous state budget for this activity? No

If answer to 4a is "No" skip 4b and 4c and proceed to 4d, Col. E

b. What is the most recent fiscal year the project was funded?

c. Were the funds provided in the most recent fiscal year subsequently vetoed?

d. Complete the following Project Request Worksheet to develop your request:

FY:	Input Prior Year Appropriation for this project for FY 2019-20 <i>(If appropriated in 2019-20 enter the appropriated amount, even if vetoed.)</i>			Develop New Funds Request for FY 2020-21 <i>(Requests for additional RECURRING funds are prohibited.)</i>		
Column:	A	B	C	D	E	F
Funds Description:	Prior Year Recurring Funds	Prior Year Nonrecurring Funds	Total Funds Appropriated <i>(Recurring plus Nonrecurring: column A + column B)</i>	Recurring Base Budget <i>(Will equal non-vetoed amounts provided in Column A)</i>	Additional Nonrecurring Request	TOTAL Nonrecurring plus Recurring Base Funds <i>(Will equal the amount from the Recurring base in Column D plus the Additional Nonrecurring Request in Column E.)</i>
Input Amounts:					500,000	500,000

5. Are funds for this issue requested in a state agency's Legislative Budget Request submitted for FY 2020-21? No

5a. If yes, which state agency?

5b. If no, which is the most appropriate state agency to place an appropriation for the issue being requested? Department of Environmental Protection

5c. Has the appropriate state agency for administering the funding, if the request were appropriated, been contacted? No

5d. Describe penalties for failing to meet deliverables or performance measures which the agency should provide in its contract to administer the funding if appropriated.

Past performance should be taken into account by bill sponsors. Brevard County continues to meet its deliverables for Legislative Appropriations.

6. Requester:

- a. Name: Virginia Barker
- b. Organization: Brevard County Natural Resources Management Department
- c. Email: virginia.barker@brevardfl.gov
- d. Phone #: (321)633-2016

7. Contact for questions about specific technical or financial details about the project:

- a. Name: Anthony Gubler
- b. Organization: Brevard County Natural Resources, Boating and Waterways Program
- c. Email: Anthony.Gubler@brevardfl.gov
- d. Phone #: (321)633-2016

8. Is there a registered lobbyist working to secure funding for this project?

- a. Name: Ron Book
- b. Firm: Ronald L. Book P.A.
- c. Email: ron@rlbookpa.com
- d. Phone #: (305)935-1866

9. Organization or Name of entity receiving funds:

- a. Name: Brevard County
- b. County (County where funds are to be expended): Brevard
- c. Service Area (Counties being served by the service(s) provided with funding): Brevard

10. What type of organization is the entity that will receive the funds? (Select one)

- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Government
- University or College

Other (Please describe)

11. What is the specific purpose or goal that will be achieved by the funds being requested?

Develop an RFP for technologies demonstrated to treat a sewage waste stream and convert residuals to useful, uncontaminated commodities such as energy, pure water, liquid ammonia, and phosphorus ash, free of other chemical contaminants, rather than biosolids that contaminate the drinking water supply for 170,000 residents of Brevard County. Select technology to design, engineer, and permit at a pilot scale in Brevard County. The \$2.3 million in matching funds would be the land donated by County

12. Provide specific details on how funds will be spent. (Select all that apply)

Spending Category	Description	Nonrecurring (Should equal 4d, Col. E) Enter "0" if request is zero for the category
Administrative Costs:		
<input type="checkbox"/> a. Executive Director/Project Head Salary and Benefits		
<input type="checkbox"/> b. Other Salary and Benefits		
<input type="checkbox"/> c. Expense/Equipment/Travel/Supplies/Other		
<input type="checkbox"/> d. Consultants/Contracted Services/Study		
Operational Costs:		
<input type="checkbox"/> e. Salaries and Benefits		
<input type="checkbox"/> f. Expenses/Equipment/Travel/Supplies/Other		
<input type="checkbox"/> g. Consultants/Contracted Services/Study		
Fixed Capital Construction/Major Renovation:		
<input checked="" type="checkbox"/> h. Construction/Renovation/Land/Planning Engineering	Select a technology to demonstrate at a pilot scale for use in Florida. Design, engineer, and permit a pilot project. Pilot may also accept biosolids from multiple wastewater	500,000

	treatment plants and convert the waste stream to valuable commodities.	
TOTAL		500,000

13. For the Fixed Capital Costs requested with this issue (In Question 12, category “h. Fixed Capital Outlay” was selected), what type of ownership will the facility be under when complete? (Select one correct option)

- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Government (e.g., police, fire or local government buildings, local roads, etc.)
- State agency owned facility (For example: college or university facility, buildings for public schools, roads in the state transportation system, etc.)
- Other (Please describe)

14. Is the project request an information technology project?

15. Is there any documented show of support for the requested project in the community including public hearings, letters of support, major organizational backing, or other expressions of support?

Yes

15a. Please Describe:

Due to a recent toxic bloom in Lake Washington, a major drinking water supply in Brevard, the County Commission directed staff to prepare a moratorium on the land application of biosolids, until and unless pre-empted by the state. Commission discussion included encouraging the state to fund a pilot project for safely processing and converting biosolids to valuable commodities.

16. Has the need for the funds been documented by a study, completed by an independent 3rd party, for the area to be served?

Yes

16a. Please Describe:

The state has previously and continues to modified its rules for the land application of biosolids in fragile ecosystems. The Governor established a Technical Advisory Committee that recommended "innovative technology pilot projects for biosolids processing that could

provide a wider range of beneficial end products." The South Florida Regional Planning Council held a special workshop exploring available innovative technologies to pilot in Florida.

17. Will the requested funds be used directly for services to citizens?

18. What benefits or outcomes will be realized by the expenditure of funds requested? (Select each Benefit/Outcome that applies)

Benefit or Outcome	Provide a specific measure of the benefit or outcome	Describe the method for measuring level of benefit
<input type="checkbox"/> Improve physical health		
<input type="checkbox"/> Improve mental health		
<input type="checkbox"/> Enrich cultural experience		
<input type="checkbox"/> Improve agricultural production/promotion/education		
<input type="checkbox"/> Improve quality of education		
<input checked="" type="checkbox"/> Enhance/preserve/improve environmental or fish and wildlife quality	Reduce Harmful Algae Blooms	Analyze trends in monthly water quality data collected by state agencies at fixed stations in state waters.
<input checked="" type="checkbox"/> Protect the general public from harm (environmental, criminal, etc.)	Reduce Bacteria	Compare water body closures (for public health) before and after the project.
<input type="checkbox"/> Improve transportation conditions		
<input checked="" type="checkbox"/> Increase or improve economic activity	Create a new industry that contributes to a healthier environment and more sustainable economy	Compare waste water utility operating costs and estimated BMAP compliance costs for impaired waters impacted by the land application of biosolids pre- and post project
<input type="checkbox"/> Increase tourism		

<input checked="" type="checkbox"/> Create specific immediate job opportunities	Create a new industry that contributes to a healthier environment and more sustainable economy	Number of jobs created at the pilot facility. Current land application haulers will still be needed to haul from biosolids production sites to the pilot project site. Processed ammonia can still be hauled to agricultural sites.
<input type="checkbox"/> Enhance specific individual's economic self sufficiency		
<input type="checkbox"/> Reduce recidivism		
<input type="checkbox"/> Reduce substance abuse		
<input type="checkbox"/> Divert from Criminal/Juvenile justice system		
<input checked="" type="checkbox"/> Improve wastewater management	Find a long-term solution for the end waste product (biosolids sludge) generated at wastewater treatment facilities.	Enumerate the pharmaceuticals, endocrine disruptors, carcinogens, synthetic hormones, and emerging contaminants found in biosolids but destroyed by the piloted technology.
<input type="checkbox"/> Improve stormwater management		
<input checked="" type="checkbox"/> Improve groundwater quality	Reduced bacteria, nutrient and chemical pollutant load to groundwater	Compare groundwater quality/pollution levels at sites used repeatedly for the land application of biosolids to similar agricultural sites where biosolids have not been applied.
<input type="checkbox"/> Improve drinking water quality		
<input checked="" type="checkbox"/> Improve surface water quality	Reduced bacteria, nutrient and chemical pollutant load to surface water	Compare pollution levels in surface waters monitored by SJRWMD at fixed stations nearby lands used repeatedly for the application of biosolids to stations distant from

		biosolid use.
<input type="checkbox"/> Other (Please describe):		

19. Provide the total cost of the project for FY 2020-21 from all sources of funding (Enter "0" if amount is zero):

Type of Funding	Amount	Percent of Total	Are the other sources of funds guaranteed in writing?
1. Amount Requested from the State in this Appropriations Project Request:	500,000	17.9%	N/A
2. Federal:	0	0.0%	No
3. State: (Excluding the requested Total Amount in #4d, Column F)	0	0.0%	No
4. Local:	2,300,000	82.1%	No
5. Other:	0	0.0%	No
TOTAL	2,800,000	100%	

20. Is this a multi-year project requiring funding from the state for more than one year?

Yes

20a. How much state funding would be requested after 2020-21 over the next 5 years?

<1M

1-3M

>3-10M

>10M

20b. How many additional years of state support do you expect to need for this project?

1 year

2 years

3 years

4 years

>= 5 years

20c. What is the total project cost for all years including all federal, local, state, and any other funds? Select the single answer which best describes the total project cost. If funds requested are for ongoing services or for recurring activities, select "ongoing activity".

Ongoing activity – no total cost

<1M

1-3M

>3-10M

>10M

21. What is the revenue source of ongoing operating funds?

Utility Fees

22. Has local approval been given for ongoing operating funds?

No

23. Have you applied for alternative state funding?

a. Wastewater Revolving Loan

b. Drinking Water Revolving Loan

c. Small Community Wastewater Treatment Grant

d. Other (Please describe)

e. N/A

24. Has project been addressed in a local, regional, or state plan?

Yes

24a. If Yes, insert plan name and cite page numbers.

A pilot project was included in the 2019 recommendations of the Governor's Biosolids Technical Advisory Committee. It is also recommended in the EPA-approved Indian River Lagoon Comprehensive Conservation and Management Plan, pages 30-36. There are multiple local and regional government resolutions supporting a pilot project for converting biosolids to safe and useful end products.

25. Is the project for a financially disadvantaged community? (as defined in Chapter 62-552, F.A.C.)

No

26. What is the population economic status?

a. Financially Disadvantaged Municipality

- b. Rural Area of Critical Economic Concern
- c. Rural Community Experiencing Economic Distress
- d. N/A

27. What is the status of planning?

- a. Ready
- b. Not Ready

28. What percentage of the planning process has been completed?

0%

29. What is the estimated planning completion date?

6/30/2020

30. What is the status of design?

- a. Ready
- b. Not Ready

31. What percentage of design has been completed?

0%

32. What is the estimated design completion date?

6/30/2020

33. List all required permits.

FDEP, USACE

34. What is the status of permitting?

- a. Planned
- b. Submitted
- c. Received

35. What is the status of construction?

- a. Ready
- b. Not Ready

36. What percentage of construction has been completed?

0%

37. What is the estimated completion date of construction?

6/30/2023