



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2022-2023

LFIR # 1074

1. Project Title Miami-Dade County Electric Automated Side Loading Garbage Truck and Electric Charging Station

2. Senate Sponsor Ana Maria Rodriguez

3. Date of Request 09/29/2021

4. Project/Program Description

The Department of Solid Waste Management (DSWM) currently has a heavy fleet that uses diesel fuel. The fully electric garbage truck will allow the department to test the capabilities of this rapidly improving technology, generating zero emissions, reducing operating noise, and eliminating fuel leaks during transport, thus providing residents a far more environmentally friendly truck. In addition, since DSWM produces electricity at its Resources Recovery Facility, an Energy-from-Waste (EfW) plant, the electric vehicle (EV) would ultimately be fueled by the very garbage it collects.

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

State Agency contacted? No

6. Amount of the Nonrecurring Request for Fiscal Year 2022-2023

Type of Funding	Amount
Operations	0
Fixed Capital Outlay	295,000
Total State Funds Requested	295,000

7. Total Project Cost for Fiscal Year 2022-2023 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	295,000	50%
Matching Funds		
Federal	0	0%
State (excluding the amount of this request)	0	0%
Local	295,000	50%
Other	0	0%
Total Project Costs for Fiscal Year 2022-2023	590,000	100%

8. Has this project previously received state funding? No

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		

9. Is future funding likely to be requested? No

a. If yes, indicate nonrecurring amount per year.

b. Describe the source of funding that can be used in lieu of state funding.

10. Has the entity requesting this project received any federal assistance related to the COVID-19 pandemic?

Yes



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If yes, indicate the amount of funds received and what the funds were used for.

The DSWM has requested financial assistance from Miami-Dade County for COVID-19 related expenses but has yet to be advised of a final approved amount. Expenses include extraordinary personal protective equipment (PPE), extraordinary sanitation costs for buildings and vehicles, COVID-19 outreach and education efforts, and additional tonnage from residents working at home. Miami-Dade County, as a whole, received up to \$474 million in CARES Act funds.

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

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		0
Other Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study		0
Operational Costs: Other		
Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other	Purchase of fully electric garbage truck and charging station.	295,000
Consultants/Contracted Services/Study		0
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		0
Total State Funds Requested (must equal total from question #6)		295,000

12. Program Performance

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

Fully electric side loading garbage truck will allow the department to collect data and prepare analysis on the savings of fuel, tires, brakes and all other maintenance to determine when the break-even point is on a zero-emission vehicle.

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

Bi-weekly residential collection on approximately 1100-1200 homes daily within Miami-Dade County, 208 days per year.

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

Residential garbage collection.

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

The residences of Miami-Dade County is the target population. The route chosen will have 1100-1200 homes and collection will take place twice a week, 52 weeks a year.

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

A fully electric vehicle has great environmental benefits, zero emissions. There will be substantial savings on maintenance, tires, brakes fuel, etc. when compared to the cost of maintaining a standard diesel truck. It will also be a quieter vehicle on the routes.

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 the contract?



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There are no penalties at this time. The truck will take 12-15 months to build and deliver once an order is placed with the truck manufacturer.

- 13. 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.**

The funds requested is for an electronic garbage truck and does not include funding for a facility.



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14. Requestor Contact Information

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

15. 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) Local County Government

d. First Name Last Name
e. E-mail Address
f. Phone Number

16. Lobbyist Contact Information

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