



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2021-2022

LFIR # 1785

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

2. Senate Sponsor Shevrin Jones

3. Date of Request 02/09/2021

#### 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 2021-2022

Type of Funding	Amount
Operations	280,000
Fixed Capital Outlay	0
<b>Total State Funds Requested</b>	<b>280,000</b>

#### 7. Total Project Cost for Fiscal Year 2021-2022 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	280,000	50%
<b>Matching Funds</b>		
Federal	0	0%
State (excluding the amount of this request)	0	0%
Local	280,000	50%
Other	0	0%
<b>Total Project Costs for Fiscal Year 2021-2022</b>	<b>560,000</b>	<b>100%</b>

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, etc.

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

Spending Category	Description	Amount
<b>Administrative Costs:</b>		
Executive Director/Project Head Salary and Benefits		0
Other Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study		0
<b>Operational Costs: Other</b>		
Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other	Purchase of fully electric garbage truck and charging station.	280,000
Consultants/Contracted Services/Study		0
<b>Fixed Capital Construction/Major Renovation:</b>		
Construction/Renovation/Land/Planning Engineering		0
<b>Total State Funds Requested (must equal total from question #6)</b>		<b>280,000</b>

#### 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 would be 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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Loss of funds.

- 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)

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