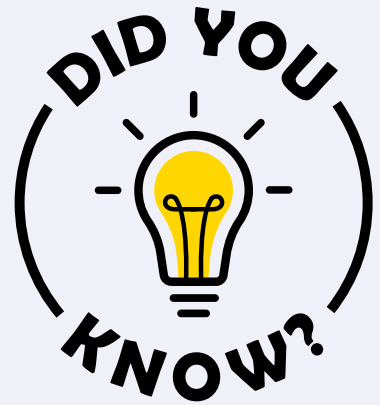


DEPARTMENT OF SOLID WASTE MANAGEMENT

MIAMI-DADE COUNTY ELECTRIC WASTE COLLECTION VEHICLE



- The Mack LR Electric Truck is the first heavy-duty electric vehicle to be added to Miami-Dade County's fleet.
- Total truck cost is \$688,619.
 - › This includes \$39,465 for the charging equipment and \$33,000 for service, maintenance.
 - › At current pricing levels for fuel and maintenance, ROI expected by year 5.
- Zero emissions—emits no exhaust to pollute the environment or affect the climate.
- Two AC electric motors with 400kW peak and 334 kW of continuous power, producing 448 continuous horsepower.
- Low maintenance—no oil change required.
- Contains 4 NMC lithium-ion batteries of 600V for fast charge capability.
 - › Fully charges in 120 minutes.
- Two-stage regenerative braking recharges batteries while on the go.
- Useful life of 7 to 8 years.
- Holds up to 21,800 pounds of waste.
- The truck can hold enough waste in one day (11 tons) to power nearly 18 electric waste collection vehicles.
- Reduced operational noise, compared to diesel-powered vehicles.
- To be charged nightly at the County's Waste-to-Energy (WtE) plant, the Resources Recovery Facility.
 - › Believed to be the first electric-powered Automated Side Loader (ASL) waste collection vehicle in the U.S. to be charged by WtE.

