

Mack LR Electric

Scott Barraclough

Technology Product Manager



Mack Trucks: The Refuse Leader



MACK.

For More than a Century



MACK

Powertrain Innovation



Mack TerraPro CNG



Mack TerraPro LE Hybrid

Mack LR Electric



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Mack LR Electric: An LR First and Foremost



MACK

Electromobility and Refuse

GREAT FIT FOR MANY REFUSE APPLICATIONS

Why Refuse?

- Closed loop operation on predetermined route
- Return home every night
- Start/stop nature of refuse pick-up allows for plenty of regenerative braking opportunities to recapture energy

MAEK
ELECTRIC

LR Electric Video



Mack Integrated Electric Powertrain

SPEC'S

Motors:

- Two AC motors
 - 536 peak horsepower (400 kW)
 - 448 continuous horsepower (334 kW)
 - 4,051 lb.-ft. of torque
- Traction voltage: 600 volts

Transmission:

- Two-speed Mack Powershift

Axles:

- Mack FXL20 20,000-lb. front axle
- Mack S462R 46,000-lb. rear axles

MAEK
ELECTRIC



Mack Integrated Electric Powertrain

SPEC'S

Batteries:

- Four lithium NMC (nickel manganese cobalt oxide) batteries

Charging System:

- Up to 150kW charging power at 200 amps maximum current
- 600-750 volts
- SAE J1772 compliant
- Regenerative braking system



Mack Integrated Electric Powertrain

SPEC'S

Accessory Power:

- All accessories are electrically driven, including body hydraulics
- 12-, 24- and 600-volt circuits

Body:

- Rear Loader
- Automated Side Loader

MAEK
ELECTRIC



LR Electric Test Program

DSNY

- Rear Loader
- Brooklyn, NY



Republic Services

- Automated Side Loader
- Hickory, NC



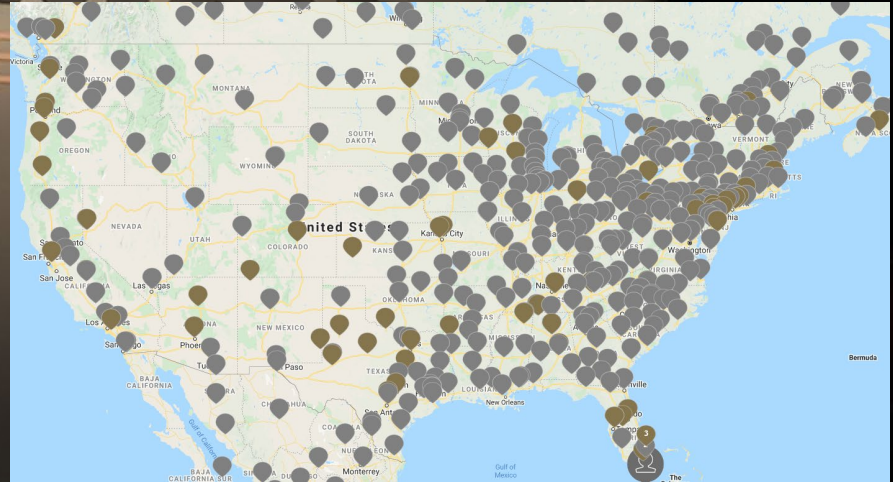
Mack LR: Legendary Durability



MACK

Mack Support Network

- Established Dealer Network
- Proven Uptime Services
 - GuardDog Connect
 - OneCall
 - Mack ASIST
- Established Parts Distribution Network



Western Truck Center -
West Sacramento
1925 Enterprise Blvd
West Sacramento, CA
95691

Western Truck Center -
Stockton
3333 S 99 W Frontage Rd
Stockton, CA 95691

WESTERN TRUCK CENTER

Western Truck Center - Redding
1800 Twin View Blvd
Redding, CA 96003

Western Truck Center - Turlock
730 N. Walnut Road
Turlock, CA 95380



MACK

Thank You

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