Committee on Electricity

For the Long Haul: Planning for Decarbonization of Medium and Heavy-Duty Vehicles

1:45-2:45pm

Moderator: Hon. Kent Chandler, Kentucky

Panelists:
• Yann Kulp, Director of Business Development Fleet Electrification Advisory, NextEra Mobility
• Raghusimha Sudhakara, Vice President, Distributed Energy Resources, ConEd
• Sarah Moskowitz, Executive Director, Illinois Citizens Utility Board
• Andrea Pratt, Zero Emission Technology Program Director, Volvo Group North America
• Patrick Charette, Director, Hydrogen Fueling and Distribution Solutions for Nikola Motors
Charging as a Service
VOLVO GROUP TRUCKS, BUSES AND MACHINES IN NORTH AMERICA

NARUC Summer Policy Summit 2023 – For the Long Haul: Planning for Decarbonization of MHD Fleets

Andrea Pratt, Zero Emission Technology Program Director

Volvo Group

2023-7-17
Volvo Group Has a Broad Offering of Heavy-Duty Battery Electric Products
Setting a Clean Direction

- 100% fossil free vehicles by 2040
- 35% electric vehicles by 2030
- Introduction of fuel cell vehicles in the second half of this decade
100% fossil free Volvo Group vehicles from 2040

- **Carbon fuel**
- **Carbon neutral**

**Share of new trucks**

- **BATTERY ELECTRIC**
- **LNG**
- **FUEL CELL ELECTRIC**
- **Combustion engine**

- Carbon neutral electricity
- Carbon neutral hydrogen
- BioLNG
- Bio-fuels, hydrogen

**ROLLING FLEET**

- FC share?
- ICE share?

**Timeline:**
- 2020
- 2030
- 2040
- 2050
Welcome to the refuse revolution.
Mack® LR Electric
One of Largest Nonprofit Recyclers, Eco-Cycle, Orders Mack® LR Electric as its First BEV

Boulder, CO (Feb. 10, 2022) – Mack Trucks announced today that Eco-Cycle, one of the largest nonprofit recyclers and Zero Waste organizations in the U.S., recently ordered a Mack® LR Electric battery electric vehicle (BEV) – the first BEV that Eco-Cycle will add to its fleet.

City of Santa Cruz, California, Purchases Mack LR® Electric Vehicle to Help Meet Sustainability Goals

Long Beach, California (May 10, 2022) – The City of Santa Cruz, California, recently purchased a Mack LR® Electric refuse vehicle, the first fully electric vehicle in the municipality’s sanitation fleet, and plans to purchase another. Mack made the announcement during the Advanced Clean Transportation (ACT) Expo, May 9-12, at the Long Beach Convention Center.
CHARGING AHEAD
THE VOLVO VNR ELECTRIC
Widest range of configurations

VNR 300
4x2 Tractor
66,000 GCW
4 Battery Pack

VNR 300
6x2 Tractor
82,000 GCW
4 & 6 Battery Pack

VNR 300
6x4 Tractor
82,000 GCW
4 & 6 Battery Pack

VNR 300
4x2 Straight Truck
33,000 GVW
4 Battery Pack

VNR 300
6x4 Straight Truck
54,000 GVW
4 Battery Pack
We act now to deliver sustainable transport solutions to our customers
ELECTROMOBILITY AND ELECTRIC POWER SOLUTIONS

VOLVO PENTA ELECTRIC POWER
Thank you!

Andrea Pratt
Zero Emission Technology Program Director, Volvo Group North America
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