

Welcome
To
21st Century
Detroit, Michigan

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Electric School Bus Pilot Project

“... I am led to believe that there is a ‘build it and they will come’ scenario playing out in the market.”¹

¹ Langmandel, Becky, *The EV Revolution: Are You Ready?*, Automotive Fleet, May 1, 2018.

“... early adopters for electric commercial vehicles will be refuse and school bus fleets ...”²

² Roberts, Jack, *Electricity in the Air, Heavy Duty Trucking*, September 2018, pg. 48-54.

How

2017 MAPT Annual Conference

Conference Sidebar [Meeting](#)

Electric School Bus [Technology](#)

EL&PC, Vermont EV Project, Elion, Motiv, and Zeeland PS



Sue Mudd, EL&PC; Bethany Whitaker, Vermont Energy Investment Corp.; David Limoges, ELION Bus Co.; Mike Staran, Motiv Power; & Dave Meeuwsen, Zeeland P.S.



Ms. Debbie Swartz, Mich. Dep't. of Environmental Quality – VW & DERA Grants



Sidebar participants: 2 countries, 3 states, and many Michigan fleet administrators

[Next](#)



International & Technical Expertise: Robert Jackson, MAE, Eric Marquis, Quebec Gov. Office, Scott Weber, Consumers Energy, & Cyril Gauchet, Quebec Gov. Eco. Affairs



ELION
Electric
School Bus
demos &
rides





Motiv Electric School Bus showed its insides. It was the only school bus of six (6) in the exhibition arena that ran for 72 straight hours.

Electric school buses are unique!



Who

Project innovators:

ABC Student Transportation
DeWitt Public School
Kalamazoo Public Schools
Oxford Community Schools
Three Rivers Community
Schools
Zeeland Public Schools



What

The Electric School Bus Pilot Project will:

- Develop an electric school bus operation model
- Develop electric school bus specification standards
- Develop electric school bus operating standards
- Develop electric school bus maintenance standards
- Develop an electric school bus cost model
- Develop an education program for electric vehicles in schools and communities

Process

- Working with utilities
- Electric Vehicle Support Equipment
- Site infrastructure and planning
- Vehicle specifications
- Equipment specifications
- Project expenses
- Project partners
- Acquisitions
- Implementation
- Data collection and reporting

[The future seems to be now!](#)

Pupil Transportation

15,000 vehicles

700,000 riders (1.4 million rides)

900,000 miles

67 miles

PER DAY

Thank you

The Innovators will be happy to
respond to comments and [or](#)
questions.