

NEW YORK ASSOCIATION FOR PUPIL TRANSPORTATION

FALL 2021 ELECTRIC VEHICLE WEBINAR SERIES RECORDING LINKS



Session 1 – Planning for an Electric Bus Fleet

<https://vimeo.com/638629580>

Electrically fueled buses are poised to join traditional, liquid fuel fleet vehicles in the coming years. Planning for an electric bus fleet will include several new steps that are in addition to the deployment of liquid fuel vehicles. To be successful, input is required from external utility and infrastructure partners. This session will explore how charging infrastructure hardware deployment necessitates the creation of a program timeline that aligns with school budget fiscal years.



Session 2 – Understanding Electric Vehicles and Charging Infrastructure

<https://vimeo.com/641929212>

The operation of electric vehicles is different from traditional, liquid fueled vehicles. Electric vehicle charging infrastructure serves as the fueling stations for the electric vehicles. Deploying charging infrastructure in strategic locations that dispense electricity is necessary to fuel an electric vehicle fleet. The speed of the fueling sessions can be tuned to best serve fleet service needs based on the type of charging infrastructure that is deployed. This session will highlight key electric vehicle operations and explain charging infrastructure hardware deployment options.



Session 3 – Understanding Electricity as a Fuel

<https://vimeo.com/646044340>

The fuel for electric vehicles is fundamentally different than traditional, liquid fuels. Energy from the electrical grid is transferred from charging station infrastructure to the electric vehicles. Understanding the electrical supply chain can help to mitigate future electrical fuel costs and electrical demand charges that are incurred when overall electricity usage is high. Strategies such as vehicle to grid energy sales and scheduling electrical fueling times can be used to lower the overall fuel costs for electric vehicle fleets. This session will explain the electric fuel supply chain and explore methods to reduce fuel costs.

Presented by:

Kyle Buying, P.E.

Cornice Technology - Co-Founder and Principal



www.cornicetechnology.com

Kyle Buying co-founded Cornice Technology to help partners become more knowledgeable and make better decisions about electrified transportation, energy storage, and connectivity solutions. He works with both private industry and public entities to develop and implement infrastructure on a nationwide scale. Kyle uses his background in hardware ecosystems, engineering, and construction practices to provide a full view of program lifecycles. Before joining Cornice Technology, Kyle worked to design and deploy an array of infrastructure types including 5G wireless sites and highway bridges. Kyle holds a Professional Engineering certification in civil engineering.

Sponsored by:



www.leonardbus.com