ACT School Bus Advisory Services Program

WEBINAR #2

DECEMBER 20, 2023



Agenda

- ➤ Advisory Services Program overview
- ➤ Program by the numbers
- ➤ Panelist Introductions
- ➤ Panel Discussion
- ►Q&A
- ➤ Next Steps



Advisory Services Program Overview

- ➤ No cost, comprehensive fleet electrification planning.
- ➤ MassCEC is offering this free program to up to 25 public school bus fleets in Massachusetts including public school districts and third-party fleet operators.
- Fleets will be considered for enrollment on a rolling basis.
- ➤ The Program will prioritize fleets based upon the following criteria:
 - Designation as an EPA Prioritized School District¹
 - Proximity to **Environmental Justice (EJ)**² neighborhoods
 - Designation as a **Gateway City**³, and
 - Establishing a pool of participants which is representative of the state.



- 1 https://www.epa.gov/system/files/documents/2023-04/fy23-csb-prioritization-list-2023-04.pdf
- 2 https://www.mass.gov/info-details/environmental-justice-populations-in-Massachusetts
- 3 https://www.mass.gov/doc/gatewaycitiesdocx/download





Program by the Numbers

Schools Applied

Buses Enrolled

Spaces Remaining

25

1000+

16







Panel Discussion

- **▶**Panelists
 - Alex Pine (moderator)

VEIC, Consultant

Jackie Hayes

Boston Public Schools, Deputy Director of Transportation

- Ryan Wheeler
- National Grid, Fleet Electrification Product Owner
- •Kelly Thompson-Clark

Operational Services Division, Strategic Sourcing Contract Manager

Tom Fisher

VEIC, Senior Consultant









Electric School Bus Roadmap Transitioning to electric school buses generally follows a standardized process and can take around two years of planning. Your timeline may be different and will depend on local capacity, financing and processes, and the availability of buses. 12 TO 24 MONTHS 3 TO 6 MONTHS 1. Foundation Setting 2. Charging Infrastructure and Operations Planning

- 1.1 Build and educate project team
- 1.2 Engage key stakeholders
- 1.3 Research funding and financing options
- 1.4 Create a roadmap with equity strategies

- 2.1 Conduct facility assessment
- 2.2 Develop charging infrastructure plan
- 2.3 Develop operations plan

3. Procurement and Installation

- 3.1 Procure buses and other services
- 3.2 Select and procure chargers
- 3.3 Upgrade facilities and install electrical infrastructure

ONGOING

4. Training, Testing and Deployment

- 4.1 Train drivers, maintenance workers and first responders
- 4.2 Test fleet and charging equipment
- 4.3 Deploy buses

5. Performance, Benefits and Scaling

- 5.1 Monitor and report on performance and benefits
- 5.2 Leverage project for learning and other impacts
- 5.3 Update your roadmap and scale

Source: World Resource Institute (WRI) Step-by-Step Guide for School Bus Electrification https://electricschoolbusinitiative.org/step-step-guide-school-bus-electrification

Q&A

Wrap Up and Next Steps

- ➤ Questions? Raise your hand to be unmuted or type them in the chat / Q&A!
- ➤ The next Webinar will be Q2 2024
- ➤ Interested in applying?
 - Email us at MassBusAdvisory@veic.org to express your interest and we will be in touch!
 - Visit our program website to learn more

THANK YOU FOR ATTENDING!