

November 30, 2023

CLEAN TRANSPORTATION

# ACT School Bus Fleet Deployment: *Electric School Bus Funding & Technical Assistance*



# Agenda

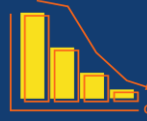
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- 1. Introduction**
- 2. ACT School Bus Program Overview**
  - Advisory Services
  - Deployment Funding & Technical Assistance
- 3. Eligibility and Prioritization**
- 4. Application Materials & Requirements**
- 5. Selection Criteria**
- 6. Timeline & Logistics**
- 7. Open Q&A**



## Mission:

The Massachusetts Clean Energy Center's mission is to accelerate the clean energy and climate solution innovation that is critical to meeting the Commonwealth's climate goals, advancing Massachusetts' position as an international climate leader while growing the state's clean energy economy.



### Getting Massachusetts to Net-Zero

Today's technologies, applications, and business models are insufficient to reach our climate goals. MassCEC is uniquely positioned to identify, support, demonstrate, and accelerate clean energy and climate solutions to the market.



### Reducing Costs by Engaging Private Markets

Targeted public sector investment in cutting-edge climate solutions de-risks and attracts private sector investment, reducing the cost of achieving net-zero for all energy users.



### Making Massachusetts a World-Class Cleantech Hub

When Massachusetts supports early-stage ideas and innovations from companies with a worldwide market, it increases our state's future competitiveness, economic prospects, and global impact.



### Optimizing Policy Implementation and Outcomes

Positioned at the intersection of industry and policy, MassCEC can iterate and optimize future policy solutions, accelerating policy outcomes and improving cost-effectiveness.



# ACT School Bus Mission



To further promote electric school bus adoption in Massachusetts and amplify EPA's Clean School Bus Program by providing necessary technical assistance and electrification planning as well as additional deployment funding to school districts and school bus fleets.



**Increase access to clean transportation technologies and decrease health impacts and related burdens from the existing transportation system**



**Demonstrate replicable deployment and road-mapping projects**



**Demonstrate effective program delivery, community partnership, and implementation models**



**Represent school districts across Massachusetts and at various stages in the electrification process**

# ACT School Bus Advisory Services Program

- Free electrification planning for up to **25 school bus fleets**
- Customized fleet electrification plan and hands-on assistance from a team of experts
- Feasibility designs, financial models, procurement plans
- **Eligible Applicants:** school districts OR 3rd party school bus fleets in partnership with school districts
  - EPA Priority Districts and 3rd party school bus fleets partnered with Priority Districts will be given preference in enrollment
  - Goal of geographic and ownership model diversity

## Ongoing Enrollment

**17** slots remaining in Advisory Services!

**Eligible applicants are welcome to apply for Deployment and participate in Advisory Services**



# ACT School Bus Deployment Funding and Technical Assistance

- Up to \$2.5M in flexible funding per award
- Award 1-3 school bus fleets
- Electrify at least a portion of your fleet by the end of ACT School Bus programming!
- Prepare your full fleet for future electrification





# ACT School Bus Deployment Funding and Technical Assistance

- Technical assistant will guide the ESB deployment process as needed
  - ESB charging station planning, infrastructure build-out, procurement support, and data collection
- Support additional costs (depot upgrades, staff time, ESBs and chargers)

See the [Request for Proposal](#) to start your application!

**Closes January 11, 2024**





# Deployment Application Materials

**Attachment A:** List of EPA Clean School Bus Priority Applicants – informational

**Attachment B:** Authorized Applicant’s Signature and Acceptance Form

**Attachment C:** Application Form - help available from the Consultant Team

**Attachment D:** Proposed Budget - help available from the Consultant Team

**Attachment E:** Proposed Site Plan(s) - help available from the Consultant Team

**Attachment F:** Sample Grant Agreement

Looking for Deployment Application support from MassCEC?

Email [jonathan.ells@erg.com](mailto:jonathan.ells@erg.com) (application support)

OR [CleanTransportation@masscec.com](mailto:CleanTransportation@masscec.com) (program questions)



# TIMELINE AND LOGISTICS



Application available [HERE](#)



**Questions due on:** December 4, 2023  
[CleanTransportation@masscec.com](mailto:CleanTransportation@masscec.com)



**Deployment Applications due by: Thursday,  
January 11th, 2024, at 4:00pm EST**



**Deployment Grant Award notifications by:  
February – March 2024**

Attachment A

# PRIORITY APPLICANTS

Boston	2502790
Chelsea	2503540
Chicopee	2503660
Fall River	2504830
Fitchburg	2504890
Gosnold	2505340
Holyoke	2506270
Lawrence	2506660
New Bedford	2508430
Orange	2509180
Revere	2510050
Southbridge	2511010
Springfield	2511130
Up-Island Regional	2500043
West Springfield	2512510
Worcester	2513230

# CLEAR WORKPLAN FOR DEPLOYMENT APPLICANTS

## **Application Form: Attachment C**

Application questions

To connect with the Technical Consultant for application support, please reach out to the following contact: Jonathan Ells, Senior Project Manager, [jonathan.ells@erg.com](mailto:jonathan.ells@erg.com)

- 5. EPA Clean School Bus Grant Program Requirements.** To ensure electric buses are deployed within the timeframe of ACT School Bus and EPA's Clean School Bus Grant program, school districts will be required to create, submit, and follow a Workplan and Project timeline. Recipients must agree to create and carry out the Project in accordance with the Final Workplan.

*Applicants that have applied to the 2023 EPA Clean School Bus Grant Program should attach their submitted Clean School Bus Workplan, including a proposed timeline for completing key milestones.*

*Applicants that have not applied to the 2023 EPA Clean School Bus Grant Program should submit a proposed Project timeline, outlining key milestones such as:*

- *electric bus and charger procurement timelines;*
- *bus and charger delivery timelines;*
- *construction timeline;*
- *installation timeline; and*
- *operations period.*



# CLEAR WORKPLAN FOR DEPLOYMENT APPLICANTS

## Costs - Direct Materials & Other Costs

Material or Other Cost	Funding Sources	MassCEC Grant Amount	Cost Share Amount	Total Cost
25 Type C electric school buses	MassCEC, EPA	\$625,000.00	\$9,375,000.00	\$10,000,000.00
10 L3 chargers	MassCEC, EPA	\$20,000.00	\$500,000.00	\$520,000.00
15 L2 chargers	MassCEC, school contribution	\$50,000.00	\$15,000.00	\$65,000.00
Generator	MassCEC	\$350,000.00		\$350,000.00
Feeder wire	MassCEC	\$25,000.00		\$25,000.00
Transformer	MassCEC	\$80,000.00		\$80,000.00
<i>Total Direct Materials &amp; Costs</i>		\$1,150,000.00	\$9,890,000.00	\$11,040,000.00

### Budget: Template (Attachment D)

Project milestones which will track and demonstrate project progress and operational performance

# Commonly Asked Questions

- Can ACTBus funding be stacked with EPA Clean School Bus funding and other federal funding programs?
  - Yes, ACTBus funding can be stacked with EPA Clean School Bus funding and other federal funding such as DERA
- Are multi-function school buses used for athletic and field trips eligible?
  - Yes, but the buses **must** be used for school routes as well
- What are eligible replacement bus types?
  - Any Type A, C, and D electric school buses
  - Electric Type D vans are eligible if you are also applying for electric school buses

# MassCEC Is Here to Support You!

Please submit questions to: [CleanTransportation@masscec.com](mailto:CleanTransportation@masscec.com) by **December 4, 2023**.

For any **technical** questions, reach out to: [jonathan.ells@erg.com](mailto:jonathan.ells@erg.com)

For **Advisory Services**, reach out to: [apine@veic.org](mailto:apine@veic.org) or [abrackenhofer@poweroptions.org](mailto:abrackenhofer@poweroptions.org)

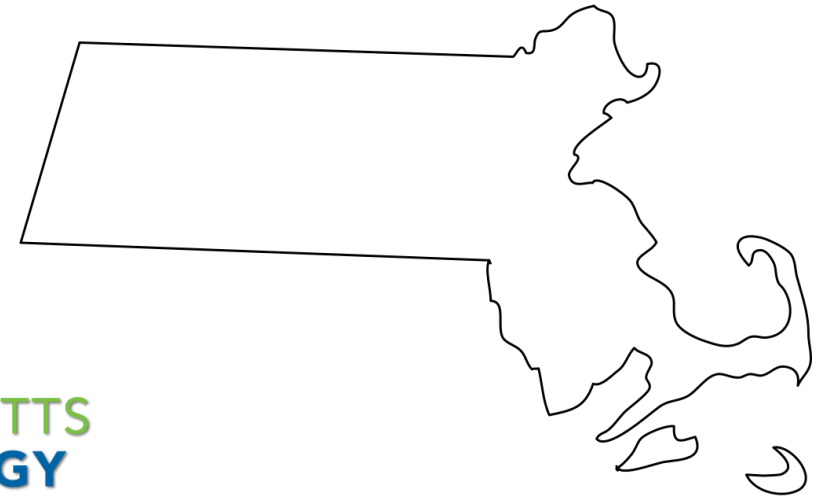
Funding Opportunity Materials:

[ACT School Bus Fleet Deployment RFP](#)

Contact us directly: [ostrobel@masscec.com](mailto:ostrobel@masscec.com)

Sign up for our [Office Hours](#)

**Don't hesitate to reach out!**





**Questions?**