



# **EPA CLEAN SCHOOL BUS**

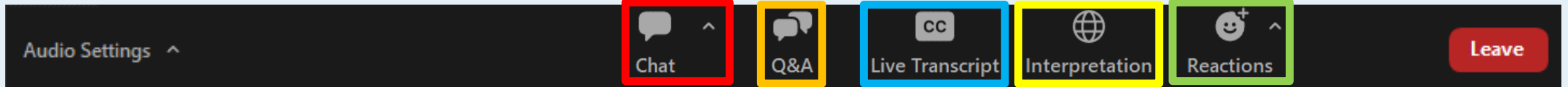
**2023 Clean School Bus (CSB) Rebates: Panel with Transportation Directors**

**November 14, 2023 @ 1 PM ET**

Office of Transportation and Air Quality

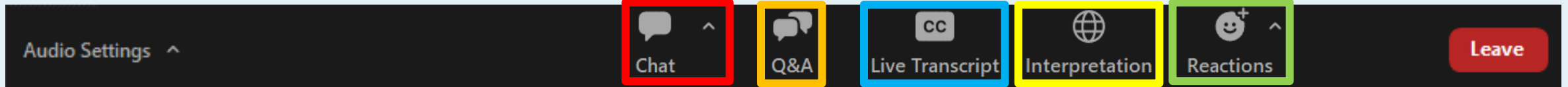
U.S. Environmental Protection Agency

# Zoom Webinar Logistics



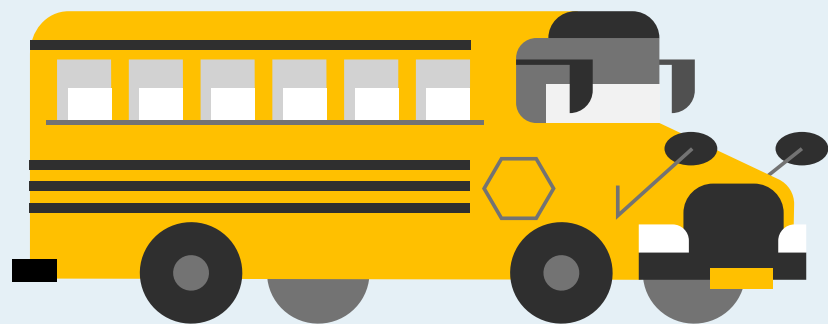
- **This presentation is being recorded.** The slides and recording will be posted to [epa.gov/cleanschoolbus](https://epa.gov/cleanschoolbus) as soon as they are processed for posting.
- **All attendees are in listen-only mode.** Audio is available through your computer speakers or by phone. The presenter will ask you to come off mute if applicable.
- **Live transcription:** Live captioning is available by clicking the “Live Transcript” icon.
- **Live interpretation:** Live Spanish interpretation is available by clicking the “Interpretation” icon and selecting Spanish. Click “Mute Original Audio” to mute English audio when listening in Spanish.
- **Questions:** Use the Q&A feature to ask questions during the presentation. We will address as many as possible after the presentation. If we are unable to answer your question at this time, we will list all questions and answers in the Q&A document available on our website. You can also submit written questions to the EPA Clean School Bus Program helpline at [cleanschoolbus@epa.gov](mailto:cleanschoolbus@epa.gov).
- **Chat:** Chat is disabled, but the presenters might share links through the chat feature.
- **Reactions:** Reactions are enabled for you to interact with the presenter.

# Logística de seminarios web en Zoom



- **Esta presentación es grabada.** Las diapositivas y la grabación se publicarán en [epa.gov/cleanschoolbus](https://epa.gov/cleanschoolbus) tan pronto sean procesadas para su publicación.
- **Todos los asistentes se encuentran solo en modo escucha.** Hay audio disponible a través de los altoparlantes de su computadora o por teléfono. El presentador le pedirá que quite el silencio si corresponde.
- **Transcripción en vivo:** Hay subtítulos disponibles haciendo clic en el icono “Live Transcript” [Transcripción en vivo].
- **Interpretación en vivo:** Hay interpretación en español disponible haciendo clic en el icono “Interpreting” [Interpretación] y seleccionando el español. Haga clic en “Mute Original Audio” [Silenciar audio original] para silenciar el audio en inglés al escuchar en español.
- **Preguntas:** Use la función Q&A [preguntas y respuestas] para hacer preguntas durante la presentación. Abordaremos todas las que sea posible después de la presentación. Si no podemos contestar su pregunta en este momento, anotaremos todas las preguntas y respuestas en el documento Q&A correspondiente disponible en nuestro sitio web. Puede también enviar preguntas por escrito a la línea directa de ayuda del Programa de Autobuses Escolares Limpios de la EPA en [cleanschoolbus@epa.gov](mailto:cleanschoolbus@epa.gov).
- **Chat:** Se encuentra inhabilitado el chat, pero los presentadores podrían compartir enlaces a través de la función de chat.
- **Reacciones:** Las reacciones están habilitadas para que usted interactúe con el presentador.

# Live Transcription / Transcripción simultánea



Live transcript is available

CC

Live Transcript

# Live Spanish Interpretation / Interpretación simultánea



✓ Off

English

Spanish

Mute Original Audio



Interpretation

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Overview of the Clean School Bus (CSB)  
Program

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2023 CSB Rebate Program Overview

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Panel Discussion

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Question & Answer Session

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Next Steps and Resources

# Overview of the Clean School Bus Program

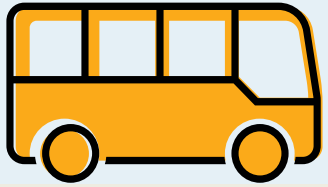
## Bipartisan Infrastructure Law

- Under **Title XI: Clean School Buses and Ferries**, the Bipartisan Infrastructure Law (BIL) provides **\$5 billion** over five years (FY22-26) for the replacement of existing school buses with zero-emission and clean school buses.

## CSB Funding Opportunities

- EPA has offered rebates and grants in past funding opportunities.
- EPA is offering another round of rebate funding.
- The 2023 Rebates is the third CSB funding opportunity.





# Why Clean School Buses?



## **Reduced Greenhouse Gas Emissions**

CSBs emit zero or low tailpipe emissions.



## **Cleaner Air**

CSBs result in cleaner air on the bus, in bus loading areas, and in the communities in which they operate.



## **Cost Savings**

Replacing diesel school buses with CSBs often reduces maintenance and fuel costs.



## **Resiliency**

Vehicle-to-Grid (V2G) capable CSBs can provide power to the grid or buildings during power shutdowns.



## **Improved Student Attendance & Achievement**

The transport of students with CSBs has been linked to student attendance and academic achievement improvements.



# 2023 CSB Rebate Program Overview



EPA is offering at least **\$500 million** for clean school buses and ZE school buses. EPA may modify this amount based on the applicant pool and other pertinent factors. Funds are subject to availability and total awards may be higher or lower than the anticipated funds offered update if changed.



Eligible activities include the **replacement of existing internal-combustion engine (ICE) school buses with electric, propane, or compressed natural gas (CNG) school buses**, as well as the purchase and installation of **electric vehicle supply equipment (EVSE) infrastructure**.



EPA is prioritizing applications that will replace buses serving **high-need local education agencies, Tribal school districts funded by the Bureau of Indian Affairs or those receiving basic support payments for students living on Tribal land, and rural areas**. EPA is committed to ensuring the CSB Program delivers on the Justice40 Initiative.



# Meet our Panelists!

**Mark Rich** – Transportation Coordinator  
Uintah School District – Utah

**Tim Farquer** – Superintendent/Curriculum Director  
Williamsfield Schools – Illinois

**Craig Beaver** – Administrator for Transportation  
Beaverton School District – Oregon

**Cliff Harrell** – Shop Manager  
Beaverton School District – Oregon

# Topics

**Introductions**

**Route Analysis**

**Infrastructure Planning**

**Fleet Planning**

**Workforce Training**

**Final Thoughts**

# Question & Answer Session



Upvote and comment on questions similar to your own.  
Type your full thought so we can follow-up with an answer.  
Speak slowly and clearly for the captioner/interpreter.

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# Introductions

Size of Fleet?

Fuel Type?

Urban or Rural?

Own Your Buses or Contract Out Bus Service?

Stage in Transition?

Any fun facts?

# Route Analysis

**How did you analyze your routes when planning for your bus purchases?**

**Did you make any special considerations such as climate, terrain, or route length?**

**What type of chargers are you installing and why?**

**Does your utility have time of use rates or demand charges? Did the utility rate structure have an impact on right-sizing the battery size of the bus and power level for the charger?**

# Fleet Planning

**What planning and considerations were necessary for choosing the location of EVSE—for both short-term and long-term fleet needs?**

**If you're replacing many buses at once, how does this project impact the long-term turning over of your fleet?**



# Workforce Training

**How did you approach your workforce training planning for both drivers and mechanics?**

**Where did you find valuable workforce training resources?**

# Question & Answer Session



Upvote and comment on questions similar to your own.  
Type your full thought so we can follow-up with an answer.  
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# Final Thoughts

**What's one piece of advice you have for the folks on this call?**

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# CSB Program Website Tools and Resources



## Technical Assistance

- ➔ • [Clean School Bus Technical Assistance](#)
- ➔ • [Charging and Fueling Infrastructure Resources](#)



## Workforce Development

- ➔ • [Bus Manufacturer Job Quality and Workforce Development Practices](#)
- ➔ • [Workforce Development and Training Resources](#)



## Educational Materials

- ➔ • [Clean School Bus Reports to Congress](#)
- ➔ • [Benefits of Clean School Buses](#)

All links can be found on: [epa.gov/cleanschoolbus](https://www.epa.gov/cleanschoolbus)

# Next Steps – *How to Apply*



1. Visit the Clean School Bus Website for Tools & Resources



2. Register your Organization with SAM.gov



3. Complete your Application Form and Supplemental Applicant Forms



4. Submit Application Package by January 31<sup>st</sup>, 2024 at 4:00pm ET

# Upcoming Webinars

<b>December 5, 2023</b>	<b>IRS/Treasury: Tax Credits Overview</b>
<b>December 13, 2023</b>	<b>OIG: Fraud Prevention &amp; Best Practices with Q&amp;A</b>
<b>January 10, 2024</b>	<b>Popular Q&amp;A with Extended Q&amp;A Session</b>
<b>January 24, 2024</b>	<b>CSB Outreach: Topic TBD</b>
<b>February 7, 2024</b>	<b>2023 Rebates Feedback and Next Steps</b>

*\*Please note: Webinar topics are subject to change. To view the most up-to-date list of CSB webinars and register, please visit: [www.epa.gov/cleanschoolbus/events-related-clean-school-bus-program](https://www.epa.gov/cleanschoolbus/events-related-clean-school-bus-program)*



Application packages must be submitted to EPA no later than 1/31/24 at 4:00 p.m. ET.  
For more information, please visit [www.epa.gov/cleanschoolbus](https://www.epa.gov/cleanschoolbus).



## 2023 CSB Rebates

- Applications must be submitted to EPA no later than **1/31/24 at 4:00 p.m. ET.**
- Dates and topics for future webinars are on our website under the 'Webinars' section.

## Future Funding Opportunities

- EPA encourages school districts to consider which competition structure (grants or rebates) best suits their needs.
- EPA anticipates opening a grant program in Spring 2024.

## Technical Assistance Resources

- [EPA CSB Technical Assistance](#)
- The Joint Office of Energy and Transportation
- [cleanschoolbusTA@nrel.gov](mailto:cleanschoolbusTA@nrel.gov)
- [driveelectric.gov](https://driveelectric.gov)

## Stay in Touch

- Learn more about the 2023 CSB Rebates at [epa.gov/cleanschoolbus/school-bus-rebates-clean-school-bus-program](https://epa.gov/cleanschoolbus/school-bus-rebates-clean-school-bus-program)
- Submit questions to [cleanschoolbus@epa.gov](mailto:cleanschoolbus@epa.gov)
- Don't miss any updates! To sign up for the listserv, please visit [epa.gov/cleanschoolbus](https://epa.gov/cleanschoolbus).

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