



# EPA Clean School Bus Series: Nevada Utilities and Schools

---

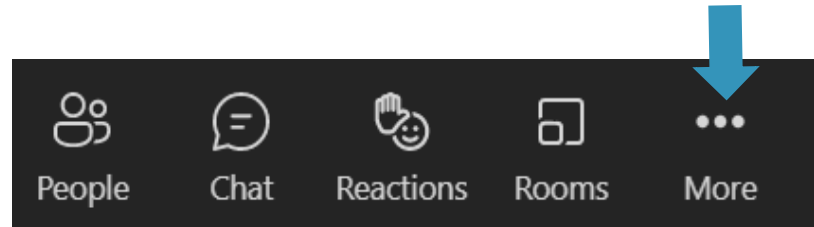
**Thursday, May 5, 2022  
10:00-11:00am PT**



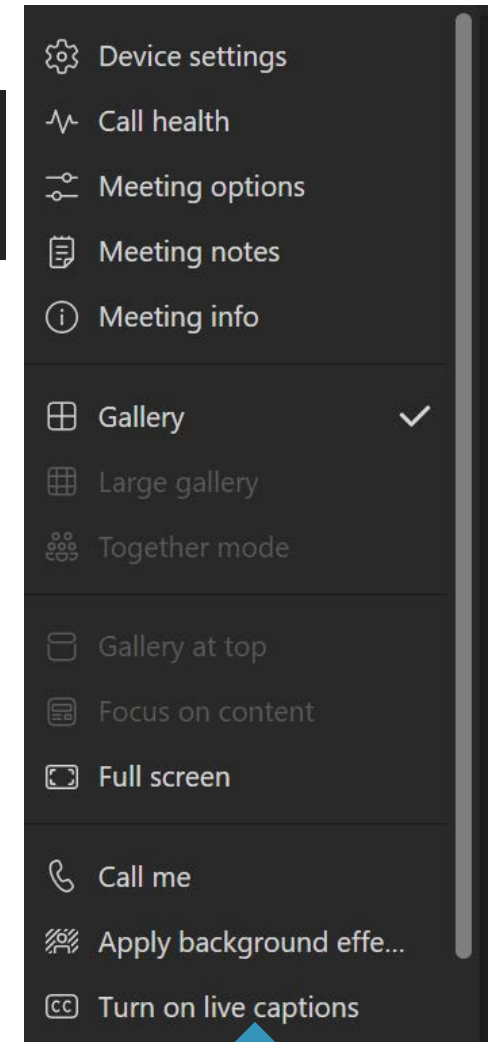
*This presentation aims to provide information related to the Clean School Bus Program. EPA does not endorse any specific companies or products by allowing external parties to present at Clean School Bus Program events. The presenters at this event are not intended to be a comprehensive list of companies or products related to the Clean School Bus Program.*

*Mention of or referral to commercial products or services, and/or links to non-EPA sites does not imply official EPA endorsement of or responsibility for the opinions, ideas, data, or products presented at those locations, or guarantee the validity of the information provided. Mention of commercial products/services on non-EPA websites is provided solely as a pointer to information on topics related to environmental protection that may be useful to EPA staff and the public.*

# Teams Webinar Logistics

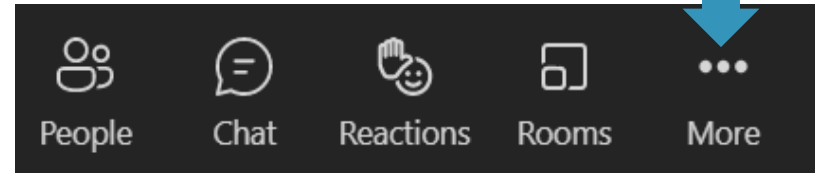


- **This session is being recorded.** EPA will make a copy of the recording and presentation slides available on their website soon.
- **All attendees are in listen-only mode.** Audio is available through your computer speakers or by phone.
- **Technical difficulties:** If you are having technical difficulties, please email M Miglio at [m.miglio@epa.gov](mailto:m.miglio@epa.gov).
- **Live Captions:** Automated live captions is available by clicking the three dots on the Teams toolbar and then selecting "Turn on live captions" from the dropdown menu "Turn on live captions"
- **Questions:** Submit questions in the main chat, they will be answered at the end of the presentations.

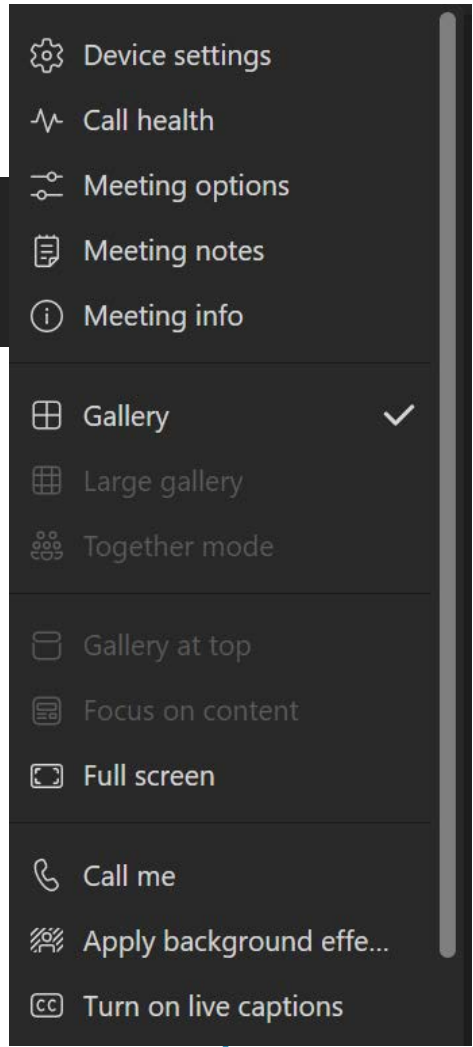


Live Captions

# Logística del Webinar de Teams



Traducción simultánea



Transcripción simultánea

- **Esta presentación está siendo grabada.** La EPA publicará una copia de la grabación y las diapositivas de la presentación en su sitio web en un futuro próximo
- **Todos los participantes están en modo solo de audio.** El audio está disponible a través de los altavoces de su computadora o por teléfono.
- **Subtítulos en vivo:** los subtítulos en vivo automatizados están disponibles haciendo clic en los tres puntos de la barra de herramientas de Teams y luego seleccionando "Activar subtítulos en vivo" en el menú desplegable "Activar subtítulos en vivo"
- **Dificultades técnicas:** Si tiene dificultades técnicas, envíe un correo electrónico a M Miglio a [m.miglio@epa.gov](mailto:m.miglio@epa.gov).

# Spanish Interpretation / Interpretación al español

Live Spanish interpretation is available by calling into the Spanish line on a separate device (phone)

1. Mute main webinar audio
2. Call into the Spanish Interpretation Line on a phone
  - +1 619-375-3276,,935271220#
  - Phone Conference ID: 935 271 220#
3. Keep the main webinar open for visuals
4. Submit questions in the main webinar chat so they can be seen and answered by the speakers

La interpretación en español en vivo está disponible llamando a la línea en español en un dispositivo separado (teléfono)

1. Silenciar el audio principal del webinar
2. Llame a la Línea de Interpretación en Español por teléfono
  - +1 619-375-3276,,935271220#
  - Teléfono Conferencia ID: 935 271 220#
3. Mantenga el webinar principal abierto para ver las diapositivas
4. Envíe preguntas al chat principal del webinar para que puedan ser vistas y respondidas

# Healthy School Environments

## Key Topics

### Air: Indoor air

- [Creating healthy indoor air quality \(IAQ\) in schools](#)
  - [IAQ Tools for Schools Action Kit](#)
  - [School IAQ Assessment Mobile App](#)
  - [IAQ Training Webinars](#)
  - [Preventive Maintenance Guidance Documents for Schools](#)

### Air: Outdoor air near schools

- [Best Practices for Reducing Near-Road Pollution Exposure at Schools](#)
- [Air Quality Flag Program \*\*DOT\*\*](#) - learn how schools can raise flags that correspond to how clean or polluted the air that day is.

### Asbestos

- [Learn about asbestos](#)
- [Asbestos and school buildings](#). Includes information on:
  - Asbestos Hazard Emergency Response Act (AHERA)
  - How schools comply with AHERA
  - School asbestos management plans
  - Resources for schools and parents
  - [Información en español](#) - para parientes, maestros y otros empleados escolares

### Asthma

- [Learn about asthma](#)
- [Managing Asthma in the School Environment](#)
- [Managing Asthma: A Guide for Schools \(PDF\) \*\*DOT\*\*](#)
- [Roles of state asthma programs in implementing school-based asthma](#)

### Lead

#### General Information

- [Learn about lead](#)
- [Lead air pollution](#)

#### Lead and Children

- [Environmental health facts about children and lead exposure](#)
- [Federal Action Plan to Reduce Childhood Lead Exposure](#)
- [Protecting Children from Lead Exposures \(PDF\)](#)
- [Protecting children where they learn and play](#)

#### Lead in Drinking Water

- [Basic information about Lead in Drinking Water](#)
- [Lead Testing in School and Child Care Program Drinking Water Grant](#)

### Mercury

- [Learn about mercury](#)
- [Case studies about mercury cleanups at schools](#)
- [Don't Mess with Mercury \(ATSDR\) \*\*DOT\*\*](#)

### Mold

- [Learn about mold](#)
- [Mold and indoor air quality in schools](#)
- [Mold remediation in schools and commercial buildings](#)
- [Mold resources for schools and commercial buildings](#)

### PCBs

- [Learn about Polychlorinated Biphenyls \(PCBs\)](#)
- [PCBs in building materials for school administrators, building owners and managers](#)

## Sensible Steps for School Health

### Assess Your School's Health

[Use a fillable, printable PDF form to assess the current environmental health of your school.](#)

### Top Ten Ways to Make Your School Healthier

1. Clear the air inside.
2. Clear the air outside.
3. Reduce/remove radon in school buildings.
4. Use chemicals carefully.
5. Test the water.
6. Get the lead out.
7. Eliminate mercury.
8. Cover up.
9. Use toxics with caution.
10. Educate yourself.

Learn more: [Sensible Steps to Healthier School Environments \(April 2017\) \(PDF\)](#).

## Related Information

### Healthy Schools

- [School Siting Guidelines](#)
- [School Environmental Health Guidelines](#)

### Children's Health

- [Protecting Children's Environmental Health](#)
- [NIEHS/EPA Children's Environmental Health Disease Prevention Centers](#)

# Healthy School Environments

<https://www.epa.gov/schools>

Contact: Eileen Shanahan  
shanahan.eileen@epa.gov

# 2022 Clean School Bus Rebate Program

---

**Region 9,  
Air and Radiation Division  
May 2022**



# Overview of the Bipartisan Infrastructure Law EPA Clean School Bus Program

The new legislation authorizes EPA to award grants, rebates and contracts to eligible recipients for the replacement of existing school buses with zero emission and clean school buses

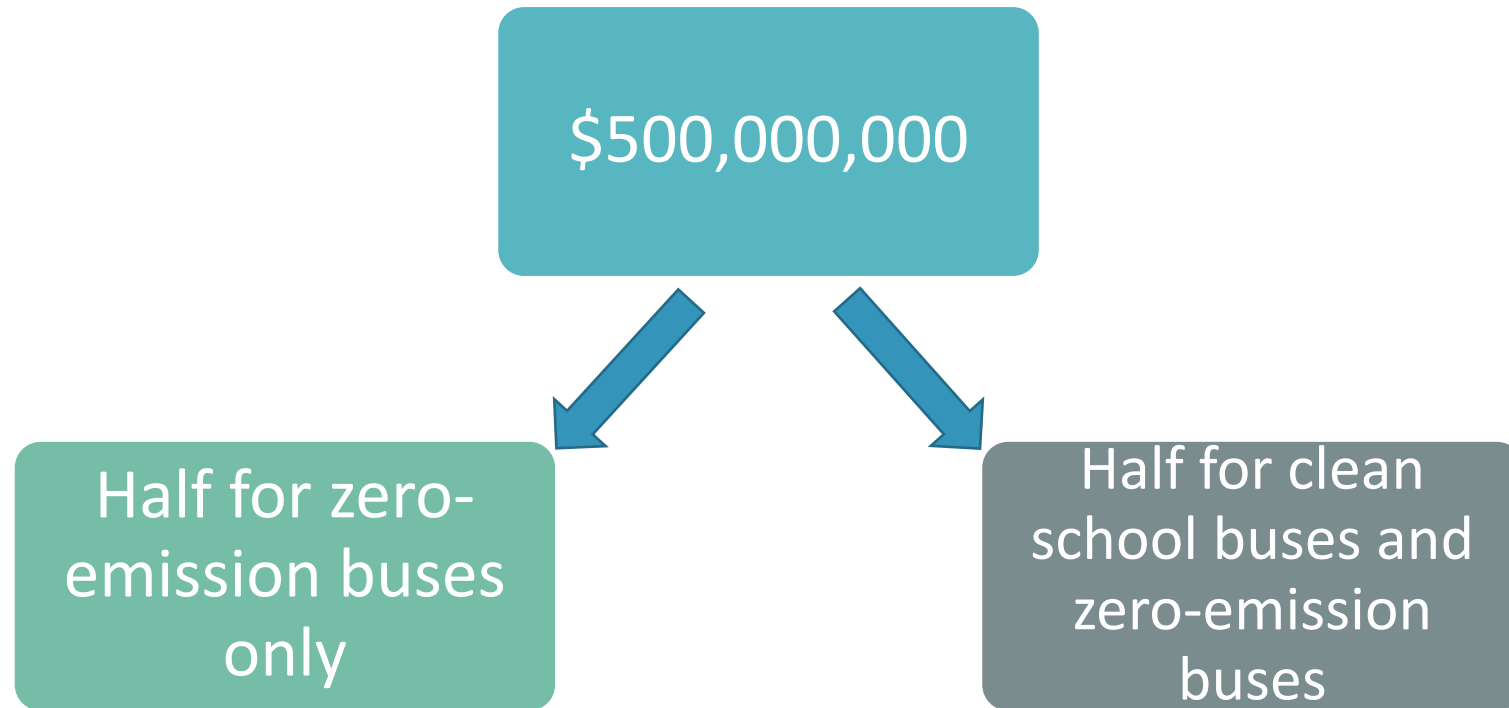
\$5 billion over five years (FY22-26)

Half of the funding is for zero emission, battery-electric buses

Half of the funding is for clean buses



# 2022 Clean School Bus Rebate Program - Available Funding



- EPA may award more than \$500,000,000 based on applicant demand and other considerations.

## Funding Pools and Number of Applications

School districts applying directly for funds may only submit one application to replace up to 25 buses. EPA will not fund multiple applications for bus replacements that will serve the same school district.

## \$500 Million in Available Funding for 2022 CSB Rebates

Zero Emission Funding Pool:	Clean School Bus Funding Pool:
<ul style="list-style-type: none"><li>• Applications <b>exclusively requesting zero-emission</b> buses</li></ul>	<ul style="list-style-type: none"><li>• Applications requesting <b>zero-emission, propane, and/or compressed natural gas (CNG)</b> buses</li></ul>

# Clean School Bus Rebate Timeline

---

Activity	Date
2022 CSB Rebates open. EPA begins accepting applications submitted via online form	May 2022 – August 2022
EPA reviews applications and begins the selection process	September 2022
EPA notifies applicants of selection status. Selectees can proceed with purchasing new buses and eligible infrastructure.	October 2022
Selectees submit Payment Request Forms with purchase orders demonstrating that new buses and eligible infrastructure have been ordered	Date of selection to April 2023
Project period deadline for selectees to receive new buses, install eligible infrastructure, replace old buses, and submit Close Out Form	October 2024

# 2022 Clean School Bus Rebate Program

—

## Eligible Applicants

State and local governmental entities responsible for:  
1) providing bus service to 1 or more public school systems; or  
2) the purchase of school buses.

Nonprofit School Transportation Associations

Indian Tribes, Tribal Organizations, or tribally controlled schools that are responsible for:

Eligible Contractors

# State and Local Governmental Entities

- State and local governmental entities that provide bus service, including public school districts.
- Includes DC, Puerto Rico, Guam, American Samoa, Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands.
- Public charter schools with an [NCES District ID](#) are eligible to apply directly for funding.
- Most State governmental entities would not be eligible to apply, but some, like South Carolina, own bus fleets and would be eligible.

# Indian Tribes, Tribal Organizations, or Tribally- controlled Schools

- Indian Tribes, Tribal organizations, or Tribally controlled schools responsible for the purchase of school buses or providing school bus service for a Bureau of Indian Affairs (BIA) funded school.

# Nonprofit School Transportation Associations

- Trade associations and membership organizations in the student transportation industry.

# Eligible Contractors

- For-profit, not-for-profit, or nonprofit entities that have the capacity to (1) sell clean or zero-emission school buses or related charging or fueling infrastructure to school bus owners or (2) arrange financing for such a sale.
- School bus dealers and original engine manufacturers (OEMs) that meet these criteria are eligible contractors.



# Eligible Contractors

- Private school bus fleets cannot apply directly for funding under the 2022 CSB Rebates. However, any of the **eligible applicants can partner with a private fleet that owns and operates buses to replace buses that serve a school district under an active contract.**
- For example:
  - A bus dealer, Big Yellow Bus Sales, could apply to replace buses owned and operated by a private fleet, Safety-First Bus Company.
  - These buses serve Washington County School District under a contract.
  - When applying for funds, Big Yellow Bus Sales will need to list the private fleet that owns the buses and the school district served by the buses in the application.
  - If selected for funding, Big Yellow Bus Sales must pass rebate funds on to the private fleet via a point-of-sale discount on the new buses or other financial arrangement.
  - The buses must continue serving Washington County School District for at least 5 years from the date of delivery.

# Prioritized Applicants

- The Bipartisan Infrastructure Law allows EPA to prioritize certain applicants.
- Applicants requesting funds to replace school buses that serve a school district that meets one or more of the **prioritization criteria** will be offered more funding per bus and receive preference in the selection process.
- EPA offers equal prioritization for school districts that meet one or multiple prioritization criteria.
- School districts that qualify under one or more of the prioritizations will be identified in **EPA's prioritized funding list.**

# Prioritization Criteria

## 1. High-need school districts and low-income areas

- School districts listed in the Small Area Income and Poverty Estimates (SAIPE) School District Estimates for 2020 as having **20% or more students living in poverty**
- School districts not listed in the SAIPE data, including most charter schools, **that self-certify as having 20% or more students living in poverty**. *EPA may ask for supporting documentation to confirm this self-certification.*
- School districts located in the U.S. Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands

## 2. Rural school districts

- School districts identified with locale codes “43-Rural: Remote” and “42-Rural: Distant” by the National Center for Education Statistics (NCES)

## 3. Tribal school districts

- Bureau of Indian Affairs funded school districts and school districts that receive basic support payments for children who reside on Indian land

# School Bus Replacement Guidelines

---

- Buses eligible for replacement must be 2010 or older diesel-powered school buses that will be scrapped if selected for funding.
- If a fleet has no eligible 2010 or older diesel school buses and is requesting zero-emission school bus replacements, the fleet can either:
  - Scrap 2010 or older non-diesel internal combustion engine buses; or
  - Scrap, sell, or donate 2011 or newer internal combustion engine buses



# School Bus Replacement Guidelines (Continued)

---

- Buses eligible for replacement must:
  - Have a Gross Vehicle Weight Rating (GVWR) of 10,001 lbs. or more.
  - Be operational at the time of application submission.
  - Be owned by the fleet receiving the replacement bus.
  - Have provided bus service to the school district for at least 3 days/week on average during the 2021/2022 school year at the time of applying.



# School Bus Replacement Guidelines



New replacement buses must:

- Have a battery-electric, CNG, or propane drivetrain.
- Be EPA certified vehicle model year 2021 or newer.
- Have a Gross Vehicle Weight Rating (GVWR) of 10,001 lbs. or more.
- Not be ordered prior to receiving official notification of selection for EPA funding.
- Be purchased, not leased or leased-to-own.

# School Bus Replacement Guidelines (Continued)



New replacement buses must:

- Serve the school district listed on the application for at least 5 years from the date of delivery.
- Meet federal safety standards and be maintained, operated, insured, registered, and charged/fueled according to manufacturer recommendations and state requirements.
- Not include an unvented diesel passenger heater.
- Not be funded with other federal funds.
- Upon request, be made available for inspection by EPA or its representatives for 5 years from the date of delivery.

# School Bus Replacement Funding

The maximum rebate amount per bus is dependent on:

- Bus Fuel Type
- Bus Size
- Whether the school district served by the buses meets one or more prioritization criteria

The table displays maximum funding levels. EPA will not disburse rebate funds in excess of the actual cost of the replacement bus and any costs above the maximum funding level are the sole responsibility of the applicant/awardee.

Maximum Bus Funding Amount per Replacement School Bus

School District Prioritization Status	Replacement Bus Fuel Type and Size					
	ZE – Class 7+	ZE – Class 3-6	CNG – Class 7+	CNG – Class 3-6	Propane – Class 7+	Propane – Class 3-6
Buses serving school districts that meet one or more prioritization criteria	\$375,000	\$285,000	\$45,000	\$30,000	\$30,000	\$25,000
Buses serving other eligible school districts	\$250,000	\$190,000	\$30,000	\$20,000	\$20,000	\$15,000



# Infrastructure Funding

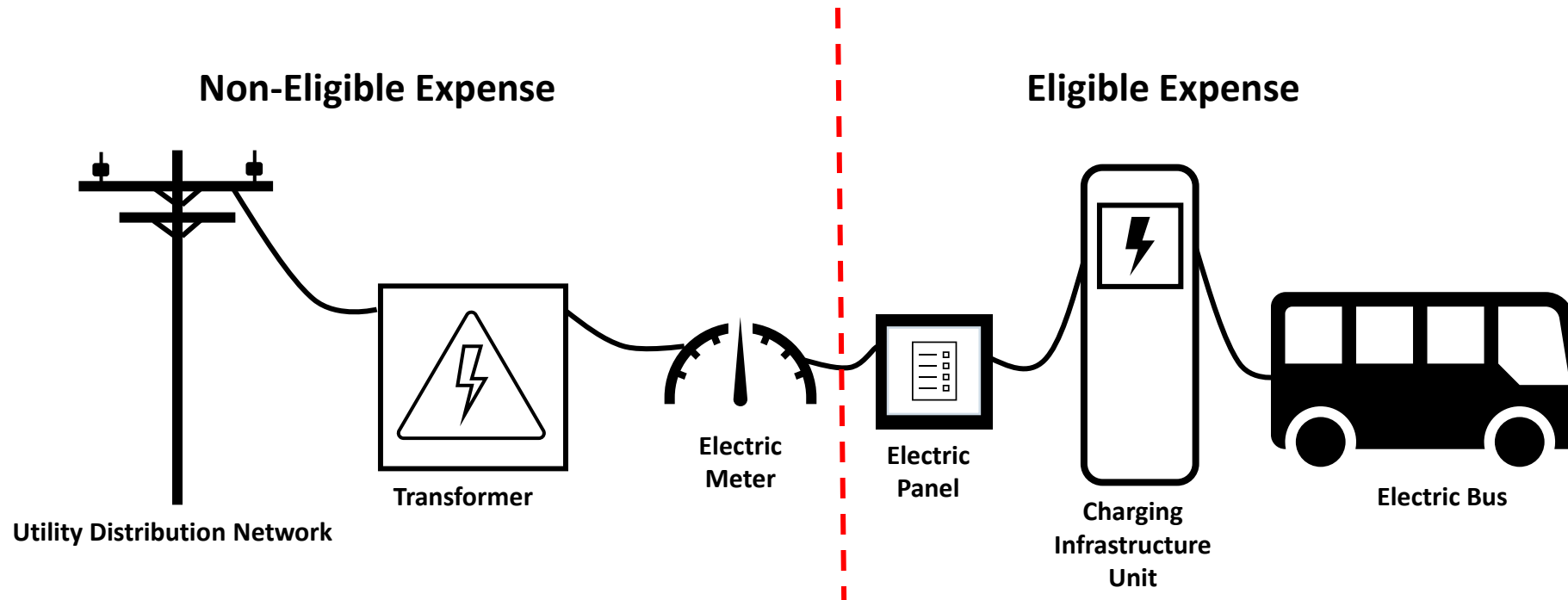
Talk to your utility now if you are interested in zero-emission buses!

This table displays the maximum funding levels. EPA will not disburse rebate funds in excess of the actual infrastructure costs.

School District Prioritization Status	ZE – Class 3+ Infrastructure Funding
Buses serving school districts that meet one or more prioritization criteria	\$20,000
Buses serving other eligible school districts	\$13,000

# Infrastructure Funding Restrictions

- EPA funding for infrastructure is limited to the fleet's side of the meter (as shown on the right side of the diagram).
- All Level 2 charging infrastructure purchased under this program must be [EPA ENERGY STAR certified chargers](#).
  - EPA strongly recommends that all other charging infrastructure under this program be listed by a Nationally Recognized Testing Laboratory (NRTL).



# Application Process

---

- Applicants must submit applications using EPA's Clean School Bus Rebate forms.
  - To apply, organizations must:
    1. Have an *active* System for Award Management (SAM.gov) entity registration
      - Note: SAM.gov is transitioning from using a DUNS number to having a new Unique Entity ID (UEI). Organizations applying for rebates must know their UEI.
    2. Have Points of Contact listed under their organization's SAM.gov entity registration in SAM.gov
- EPA will post a Questions and Answers document and anticipates updating the Q&A document every two weeks during the application period. Novel questions submitted to CleanSchoolBus@epa.gov during that period, including those from program webinars, will be added to this document.
- The application deadline will be in August- please check the website for exact date. ***Late applications will not be accepted.***

# Selection and Notification

- Applications received by the deadline will be placed in a single ordered list using a random number generator lottery process.
- EPA will select applicants for funding, working from the top to the bottom of the list, until all funds are allocated from both the Clean School Bus and Zero Emission halves of funding.
- To ensure a broad geographic distribution of funds, EPA will select at least one application per state or territory provided there is at least one eligible application.
- Applicants not selected by lottery will remain in random number order on a wait list.

# Selectee Requirements

- EPA anticipates notifying applicants of their selection status within 60 days of the application deadline. Applicants that are selected for funding will receive an electronic status update that includes (1) that they have been selected for funding, (2) the maximum amount of funds that have been reserved for them, and (3) instructions on proceeding with the purchase of new buses and eligible infrastructure.
- After receiving notice of selection, selectees must submit an online **Payment Request Form** that includes an attached scan of the **purchase order(s) for the new school buses and eligible infrastructure within six months.**

*Selectees can request extensions to the project period deadline. EPA will review these requests on a case-by-case basis and may grant extensions if sufficient justification is provided.*

# Selectee Requirements

- Once selectees have received their new buses and eligible infrastructure and have replaced their old buses, they must submit an online Close Out Form. The **Close Out Form** must be submitted **within two years** of the date of the selection notification.
- The Close Out Form will require selectees to attach:
  - For old buses being scrapped, scrapper photos and letter for buses being replaced
  - For old buses eligible to be sold or donated, documentation of the vehicle sale or donation
  - A scan of the invoices for the new buses and eligible infrastructure
  - A scan of proof of delivery for the new buses and eligible infrastructure (e.g., dated bill of lading)
  - One photo of the exterior of each new bus, labeled with the last 4 digits of the bus VIN
  - One photo of each charging pedestal if EPA funds were used for charging infrastructure.
- Selectees must retain all financial records, supporting documents, accounting books and other evidence of Rebate Program activities for five years after delivery of the new buses. If any litigation, claim, or audit is started before the expiration of the five-year period, the recipient must maintain all appropriate records until these actions are completed and all issues resolved.

# 2022 Clean School Bus Rebate Program

—

# Thank you!

---

Sign up for the [Clean School Bus Listserv](#) and continue to check [www.epa.gov/cleanschoolbus](http://www.epa.gov/cleanschoolbus) for latest program updates.

---

This presentation has been recorded and will be posted to the West Coast Collaborative website. A Spanish transcription will also be made available.

---

Submit feedback to [cleanschoolbus@epa.gov](mailto:cleanschoolbus@epa.gov). Please hold off on submitting questions until the Program Guide is published.





# Electric School Bus Incentives Program - ESBIP

## The Economy Recovery Transportation Electrification Plan - ERTEP



# Who is NV Energy?

NV Energy is the local utility you can count on. We are moving towards a 100% clean energy future, keeping rates low, and investing big in local communities.

- ▶ Electric and gas utility serving 1.4 million customers and a state tourist population exceeding 50 million people annually
- ▶ For more than 100 years NV Energy has been on the cutting edge, constantly innovating energy offerings and services for customer satisfaction



# EV Charging Program Priorities



## Accelerate Transportation Electrification

Plan includes nearly \$100 million total to build **1,000+ EV charging stations** between 2022 and 2024 in Nevada



## Support Economic Recovery & Job Creation

Investing in **job training** and expanding charging station availability to **support the tourism industry**



## Prioritize Historically Underserved Communities

Dedicating **\$40 million+** of funding to directly benefit **historically underserved communities**

# Prioritizing Underserved Communities

ERTEP

## Providing Dedicated Funding

- ▶ \$40+ million of program funding will directly benefit underserved communities
- ▶ Historically underserved communities will be prioritized for EV charging station installation where feasible

## Engagement Opportunities

- ▶ Feedback from all stakeholders is welcome through multiple channels including in-person events, online feedback tools, and more

# Fueling a Comeback with Clean Energy

ERTEP

## Increases Access to Clean Energy Jobs

- ▶ Nevada electrical training centers offer paid on-the-job apprenticeship programs to help youth successfully transition into a well-paying career.
- ▶ NV Energy's investment will remove barriers for historically underserved communities to participate in training programs.

## Supports Construction Jobs

- ▶ Planned infrastructure construction is projected to require 300,000+ labor hours.



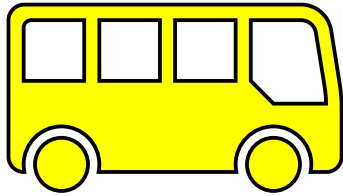
ELECTRICAL JATC  
OF SOUTHERN NEVADA



# Economy Recovery Transportation Electrification Plan - ERTEP

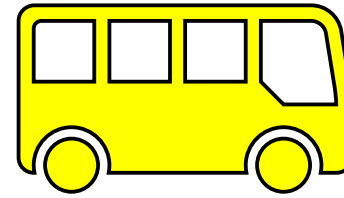


# Two Programs Supporting Electric School Buses Deployment



## Electric School Bus Incentive Program

Started 2019  
Planned to run until June 2023



## Electric School Bus Vehicle 2 Grid Trial

Started 2022  
3-year trial with 3 school districts

**Prioritizing low-income and historically underserved communities**

# Electric School Bus Incentives - ESBIP



Public Schools in NV Energy service area.



\$ 2,000,000 in incentives available until June 30, 2022.



Continuation until June 2023 with \$300,859 in incentives. Focus to lower income and underserved school districts and tribal customers.



75% of total costs of electric school bus and/or charging infrastructure



Charging infrastructure supported by the incentive program may include chargers, transformers, electric panels, installation labor & materials, planning and engineering services, signage and logos, underground work



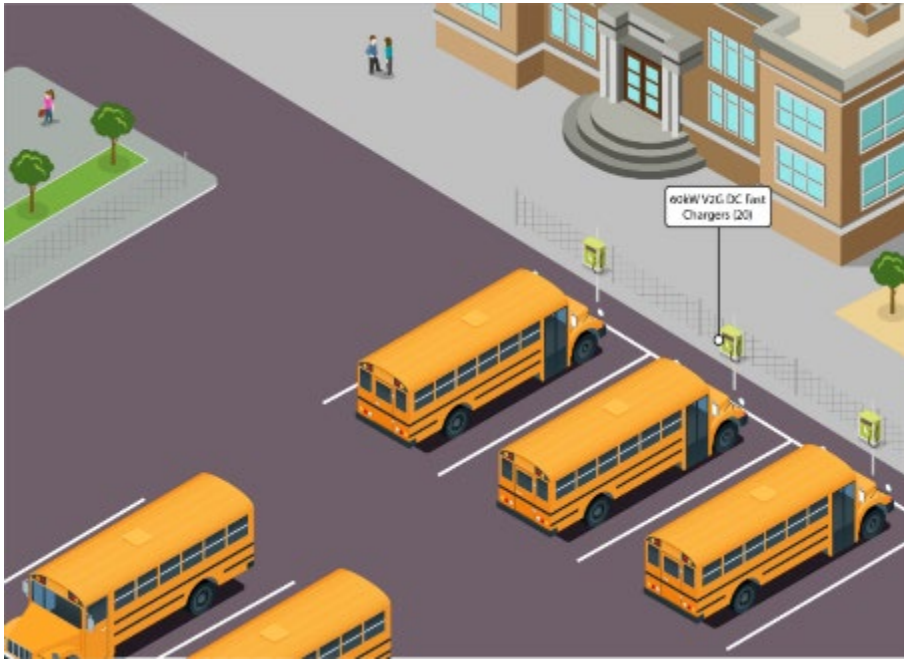
Approved applications will have funds reserved for 24 months plus and one-year, one-time extension



Partnership with NDEP allows to cover up to 100% of project costs



# Electric School Bus Vehicle To Grid Trial



Program Component	Program Design
Electric Vehicle V2G Electric Vehicle Charging Infrastructure	NV Energy builds, owns and operates (option to transfer ownership)
Electric School Bus Battery Incentive	\$0.60/watt-hour
Electric School Bus Vehicle to Grid Trial Tariff	The credit for discharged energy will be calculated for each hour as the lesser of: a) the hourly system incremental generation cost; or b) the NV Energy average hourly Load Aggregation Point (“LAP”) price. The LAP pricing can be found on NV Energy’s Open Access Same-Time Information System (OASIS) site.

	Nevada Power	Sierra
First Priority	Clark County School District	Washoe County School District
Second Priority	N/A	Carson City School District
Site Profile	Large, up to 20 DC fast chargers	Small, up to 10 DC fast chargers per district



## Ready to get involved?

1. EV Charging Location Input
2. EV & Clean Energy Program Feedback Survey
3. Webinars and Workshops
4. EV 101 and Test Drive Events
5. Webinars for Interested Site Hosts

*+ resources to learn about EVs and find the right vehicle for you from a local dealer!*

To learn more about the ERTEP programs and get involved, visit [nvenergy.com/ERTEP](https://nvenergy.com/ERTEP)





# Q&A



# Recap

- EPA anticipates awarding \$500 million in rebate funding for zero-emission and clean school buses.
- Don't forget to start on your SAM.gov registration!
- Initiate discussions with your utility now if you will apply for zero-emission buses.
- EPA expects to post the program guide and prioritized applicant list in early May.
- Online application period will open in May and close in August.

# EPA Clean School Bus Series: Deployment Considerations

**Wednesday, May 11, 2022**  
**10:00-11:30am PT**

Please join us to hear about lessons learned by school districts in the region when implementing electric, propane and CNG buses. This webinar will feature speakers from school districts, air districts and manufacturers who will share their experience implementing clean school buses. Covering topics such as successes, challenges, lessons learned and other considerations when deciding which type of bus replacement would be best suited for your school bus fleet needs.

## Speakers:

- **Ron Schepers**, Director of Transportation, Yuma Schools Transportation Consortium
- **Tysen Brodwolf**, Director of Transportation, Cajon Valley Union School District
- **Yuh Jiun Tan**, Program Supervisor, South Coast AQMD
- **Peter Tuckerman**, Director of Sales, Lion Electric

**[REGISTER FOR THE WEBINAR NOW](#)**



# EPA Clean School Bus Series: CA Utilities and Schools

**Wednesday, May 18, 2022**  
**10:00-11:30am PT**

Please join us to learn about EPA's new Clean School Bus Program (CSBP) and hear from local utilities. This webinar provides an overview of the CSBP funding opportunity, program eligibility and additional application information. CA utilities will discuss utility considerations for school bus and fleet electrification, including topics such as energy use, rates, charging equipment and incentives.

## Speakers:

- **Tim O'Neill**, EV Fleet Onboarding Specialist, PG&E
- **Lianna Rios**, EV Customer Solutions Manager, SDG&E Clean Transportation Dept.
- **Desiree Villalobos**, Senior Manager, eMobility® Business Development & Partnerships, SCE

**[REGISTER FOR THE WEBINAR NOW](#)**



# Appendix



# Important! SAM.gov Registration

Check the Systems for Award Management ([SAM.gov](https://www.sam.gov)) to ensure your organization is *actively* registered as an entity

- An individual user account on SAM.gov is not the same thing as an organization's entity registration
- Review all SAM.gov entity registration information for accuracy, including bank accounts, addresses, the [Unique Entity Identifier \(UEI\)](#), and Points of Contact
- If your organization has no record of a SAM.gov registration, expired or active, and needs to create a new registration, the simplest entity registration type that can participate in the Clean School Bus Rebates is the "Federal Assistance Awards Only" registration.
- For help with SAM.gov, reach out to the Federal Service Desk at: <https://www.fsd.gov>

Only individuals with email addresses listed as one of the following Points of Contact (POC) under an *active* SAM.gov entity registration will have access to create, edit, save, and submit a Clean School Bus Rebate application for that entity:

- Electronic Business POC
- Alternate Electronic Business POC
- Government Business POC
- Alternate Government Business POC

Note: When entering the rebate application, applicants must use the same email as is listed in their POC information in SAM.gov. They will be prompted to sign-in to, or create, a free login.gov account.



# Healthy School Environments

## Key Topics

### Air: Indoor air

- [Creating healthy indoor air quality \(IAQ\) in schools](#)
  - [IAQ Tools for Schools Action Kit](#)
  - [School IAQ Assessment Mobile App](#)
  - [IAQ Training Webinars](#)
  - [Preventive Maintenance Guidance Documents for Schools](#)

### Air: Outdoor air near schools

- [Best Practices for Reducing Near-Road Pollution Exposure at Schools](#)
- [Air Quality Flag Program \*\*DOT\*\*](#) - learn how schools can raise flags that correspond to how clean or polluted the air that day is.

### Asbestos

- [Learn about asbestos](#)
- [Asbestos and school buildings](#). Includes information on:
  - Asbestos Hazard Emergency Response Act (AHERA)
  - How schools comply with AHERA
  - School asbestos management plans
  - Resources for schools and parents
  - [Información en español](#) - para parientes, maestros y otros empleados escolares

### Asthma

- [Learn about asthma](#)
- [Managing Asthma in the School Environment](#)
- [Managing Asthma: A Guide for Schools \(PDF\) \*\*DOT\*\*](#)
- [Roles of state asthma programs in implementing school-based asthma](#)

### Lead

#### General Information

- [Learn about lead](#)
- [Lead air pollution](#)

#### Lead and Children

- [Environmental health facts about children and lead exposure](#)
- [Federal Action Plan to Reduce Childhood Lead Exposure](#)
- [Protecting Children from Lead Exposures \(PDF\)](#)
- [Protecting children where they learn and play](#)

#### Lead in Drinking Water

- [Basic information about Lead in Drinking Water](#)
- [Lead Testing in School and Child Care Program Drinking Water Grant](#)

### Mercury

- [Learn about mercury](#)
- [Case studies about mercury cleanups at schools](#)
- [Don't Mess with Mercury \(ATSDR\) \*\*DOT\*\*](#)

### Mold

- [Learn about mold](#)
- [Mold and indoor air quality in schools](#)
- [Mold remediation in schools and commercial buildings](#)
- [Mold resources for schools and commercial buildings](#)

### PCBs

- [Learn about Polychlorinated Biphenyls \(PCBs\)](#)
- [PCBs in building materials for school administrators, building owners and managers](#)

## Sensible Steps for School Health

### Assess Your School's Health

[Use a fillable, printable PDF form to assess the current environmental health of your school.](#)

### Top Ten Ways to Make Your School Healthier

1. Clear the air inside.
2. Clear the air outside.
3. Reduce/remove radon in school buildings.
4. Use chemicals carefully.
5. Test the water.
6. Get the lead out.
7. Eliminate mercury.
8. Cover up.
9. Use toxics with caution.
10. Educate yourself.

Learn more: [Sensible Steps to Healthier School Environments \(April 2017\) \(PDF\)](#).

## Related Information

### Healthy Schools

- [School Siting Guidelines](#)
- [School Environmental Health Guidelines](#)

### Children's Health

- [Protecting Children's Environmental Health](#)
- [NIEHS/EPA Children's Environmental Health Disease Prevention Centers](#)

# Healthy School Environments

<https://www.epa.gov/schools>

Contact: Eileen Shanahan  
shanahan.eileen@epa.gov

# Creating Healthy Indoor Air Quality in Schools

Promote a healthy learning environment at your school to reduce absenteeism, improve test scores and enhance student and staff productivity.

[EPA Supports Healthy Indoor Environments in Schools During COVID-19 Pandemic and Beyond](#)

## Learn about IAQ in Schools



- [Why IAQ is Important to Schools](#)
- [Take Action to Improve IAQ in Schools](#)
- [Information for Parents and Students](#)
- [Publications about IAQ in Schools](#)
- [Calidad del Aire Interior en la Escuela](#)

## IAQ Tools for Schools Resources



- [Framework for Effective School IAQ Management](#)
- [IAQ Tools for Schools Action Kit](#)
- [IAQ Tools for Schools Preventive Maintenance Guidance Documents](#)
- [IAQ Tools for Schools Video Resources](#)

## On-Demand Training Webinars



- [IAQ Knowledge-to-Action Professional Training Webinar Series](#)
- [IAQ Master Class Professional Training Webinar Series](#)
- [Healthy Indoor Environments in Schools Webinar Series](#)

## Understanding IAQ Benefits



- [Managing Asthma in Schools](#)
- [Managing Radon in Schools](#)
- [High Performance Schools](#)
- [Improving Academic Performance](#)

## Healthy School Renovations



## Connecting and Networking



### Upcoming Webinars

**Recording Now Available:**  
[Solutions and Resources to Address COVID-19 in Schools: Establishing Lasting Improvements to Ventilation and IAQ](#)  
Recorded: February 10, 2022

**Recording Now Available:**  
[Ventilation and COVID-19 in Schools: Using a Framework to Assess, Prioritize and Plan for HVAC Upgrades and IAQ Improvements](#)  
Recorded: October 21, 2021

### Download the Mobile App

#### School IAQ Assessment Mobile App

Assess, then address — EPA has made it easy!



Find out more about the [mobile app](#) and download from the [App Store](#) or [Google Play Store](#).

# Indoor Air Resources for Schools

<https://www.epa.gov/iaq-schools>

Contact: Alhelí Baños-Keener

[banos.alheli@epa.gov](mailto:banos.alheli@epa.gov)

# Outdoor Air Resources for Schools

Contact: Idalia Pérez ([Perez.Idalia@epa.gov](mailto:Perez.Idalia@epa.gov))

## Best Practices for Reducing Near-Road Pollution Exposure at Schools



<https://www.epa.gov/mobile-source-pollution/how-mobile-source-pollution-affects-your-health#best-practices-for-schools>

A graphic for the Air Quality Flag Program. It features a white flag on a white pole, set against a blue background with stylized clouds. The flag has the text "Raise a flag to show the air quality forecast in your area." written on it. To the left of the flag are five colored banners: green (GOOD), yellow (MODERATE), orange (UNHEALTHY for Sensitive Groups), red (UNHEALTHY), and purple (VERY UNHEALTHY). The EPA logo is in the bottom right corner. The text "Learn more at: airnow.gov/flag" is in a blue cloud shape at the bottom.

**Air Quality Flag Program**

**GOOD**

**MODERATE**

**UNHEALTHY**  
for Sensitive Groups

**UNHEALTHY**

**VERY UNHEALTHY**

**Raise a flag to show the air quality forecast in your area.**

Learn more at:  
[airnow.gov/flag](https://www.airnow.gov/flag)

 EPA



**WHITE HOUSE TOOLKIT:  
Federal Resources for Addressing  
School Infrastructure Needs**



# Federal Resources for Addressing School Infrastructure Needs

---

- I. Available Federal Funds
- II. Key Tools and Resources
- III. Points of Contact at Federal Agencies and Technical Assistance Opportunities

<https://www.whitehouse.gov/wp-content/uploads/2022/04/White-House-School-Infrastructure-Toolkit-04.04.22.pdf>

---