

SABI



Application Information Session

ZERO-EMISSION SCHOOL BUS AND INFRASTRUCTURE (ZESBI)

06/05/2024



Electric School Bus Network

The Electric School Bus Network **accelerates nationwide school bus fleet electrification through peer-to-peer networking and dialogue-driven forum meetings** for school districts, advocacy and government organizations, and industry representatives. The ESB Network provides access to educational tools, resources, and subject matter experts to **help support the electric school bus fleet transition.**



Meet The ZESBI Team

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AGENDA

- 1. ZESBI Background**
- 2. Eligibility & Requirements**
- 3. School Bus Overview**
- 4. Infrastructure Overview**
- 5. Application Process**
- 6. Questions**



01

ZESBI Background

ZESBI Background

The Zero-Emission School Bus and Infrastructure (ZESBI) project pairs zero-emission (ZE) school bus vehicle funding offered by the California Air Resources Board (CARB), with charging infrastructure funding offered by the California Energy Commission (CEC).

A total of \$500 million is appropriated by Senate Bill (SB) 114 for ZESBI for Fiscal Year 2023-24.

ZESBI Project Type	Awards
ZE School Bus	<ul style="list-style-type: none">\$375 million is allocated to support the replacement of old school buses with ZE school buses
Charging Infrastructure	<ul style="list-style-type: none">\$125 million is allocated to support complementary infrastructure and associated costs



02

Eligibility & Requirements

Eligibility & Requirements

Eligible applicants*:

- California Public School Districts
- California Public Charter Schools
- California Joint Power Authorities (JPAs)
- California County Offices of Education (COEs)

Ineligible applicants:

- Private schools are not eligible applicants
- Charter schools classified as non-classroom-based charter schools as of FY 2021-22 are not eligible.
- Third-party student transportation providers

*** Eligible applicants must own their school buses to participate in ZESBI.**

*** Eligible applicants can contract with third-parties to operate the buses.**

*** All applicants must serve students within the K-12th grade level.**



Eligibility & Requirements

- In order to receive incentives for an eligible new electric school bus, **an applicant-owned school bus must be scrapped.**
- The old school bus can be any internal combustion engine using any fuel type and **does not need to be the same school bus type or vehicle weight class as the new school bus.**
- Scrappage and submission of scrappage documentation of the old school bus **can occur after the Grant Agreement has been fully executed and must occur within 24 months of new school bus delivery.**



Eligibility & Requirements

Old School Bus Requirements:

- Chassis must be a 2010 model year or older per the DMV Registration Form.
- Must be applicant owned. The school bus cannot have a lienholder listed on the DMV Registration Form.
- Must have a Gross Vehicle Weight Rating (GVWR) greater than 10,000 pounds.
- Must have a current California Highway Patrol Safety Certification (CHP 292 or equivalent) at time of Application Part A submission. A non-certified school bus will not be able to continue within the application process.
- If the school bus is diesel-fueled and greater than 14,000 pounds GVWR, it must be compliant with the California Truck and Bus Regulation in order to receive a full voucher amount.



03

ZESBI School Bus Overview

Application Prioritization

Applicant Prioritization:

- **Tier 1** - Applicants defined as a small or rural school district, or applicants whose total enrollment is comprised of at least 80% unduplicated pupils
- **Tier 2** - Applicants that serve Disadvantaged Communities (DACs) and/or Low-Income Communities (LICs)
- **Tier 3** - Eligible applicants with an eligible school bus for replacement

***Applicants within each tier will be ranked based on the timestamp of their complete Application Part A submission.**



Application Prioritization

Application Terminology:

- **Small School District** - fewer than 2,501 units of average daily attendance, as classified in the most recently reported annual data in the California Longitudinal Pupil Attendance Data System.
- **Rural School District** - with a school locale code of 31, 32, 33, 41, 42, or 43, as classified by the National Center for Education Statistics.
- **Unduplicated Pupil Count (UPC):** students who
 1. are English learners, or;
 2. meet income or categorical eligibility requirements for free or reduced-price meals under the National School Lunch Program, or;
 3. are foster youth.

Disadvantaged Communities (DAC) and Low-Income Communities (LIC)



Priority Populations 2023 Update

Disadvantaged Communities Triballands



Disadvantaged Communities CES4



Low income Communities



DAC and LIC designations will be applied using the California Climate Investments Priority Populations map, located online at <https://webmaps.arb.ca.gov/PriorityPopulations/>.

DAC and LIC designations will apply to applicants if any overlap occurs between the California Climate Investments Priority Populations map and the applicant's boundaries.

Maximum Incentive Amounts

- ZESBI incentive amounts intend to cover nearly, if not all of, the cost of a new ZE school bus.
- ZESBI incentives may cover taxes and other costs related to the purchase of the eligible zero-emission school bus, up to the maximum incentive amount.
- ZESBI Incentive amounts are not eligible for Standard HVIP plus-ups.
- School districts may apply for a maximum of 50 vehicles.

Maximum Incentive Amounts

School Bus Type	Without a Wheelchair Lift	With a Wheelchair Lift
Type A	\$280,000	\$295,000
Type C	\$340,000	\$355,000
Type D	\$360,000	\$375,000



Combining ZESBI With Other Bus Funding Sources

- ZESBI may be combined, or “stacked” with local funding and some state and federal funding
- The applicant must ensure that the other incentive program allows stacking with ZESBI and that all requirements of ZESBI and the other program are met
- ZESBI may not pay for the same costs as another incentive program and the total sum of incentives must not exceed the full cost of the new zero-emission school bus



04

ZESBI Infrastructure Overview

Infrastructure Incentive Amounts

Amount Per Charger

Charger Type	Infrastructure Award Amount
Level 2 (L2)	\$20,000
Direct Current Fast Charger (DCFC)	\$75,000
DCFC Bi-directional	\$95,000

Incentive Criteria

- 1 ZESBI funded bus : 1 ZESBI funded charger
- Infrastructure incentive amount will be based on the type of charger with a maximum average infrastructure award of \$75,000 per bus for those receiving two or more busses
 - Exception: If an applicant is awarded 1 bus and requests a bi - directional charger, applicant will be eligible for \$95,000
- Equipment standards will be included in the Implementation Manual



Infrastructure Incentive Amounts

Award Amount Per Charger

Charger Type	Infrastructure Award Amount
Level 2 (L2)	\$20,000
Direct Current Fast Charger (DCFC)	\$75,000
Bi-directional DCFC	\$95,000

Example

If an eligible applicant is awarded 3 ZESBI buses, they will be eligible for at most a \$225,000 infrastructure award. The actual award amount will depend on the selection of chargers.

Some possible charger combinations include:

- 2 L2 chargers + 1 bi-directional charger = \$135,000 award
- 1 L2 charger + 1 DCFC + 1 bi-directional charger = \$190,000 award
- 1 L2 charger + 2 bi-directional chargers = \$210,000 award
- 3 bi-directional chargers = \$225,000 award*

*Applicant can use the 10% school transportation program funding to cover the remaining infrastructure costs.



Eligible Infrastructure Costs

Eligible Cost Category	Examples (Including But Not Limited To)
Procurement costs*	<ul style="list-style-type: none">• Electric vehicle supply equipment (EVSE)
Installation costs	<ul style="list-style-type: none">• Construction• Project management• Site design• Site upgrades (transformers, breakers, stub outs)• Technical assistance
Other costs**	<ul style="list-style-type: none">• Distributed energy resources• Extended warranties• ZE Mobile chargers• Network and software costs

**Equipment standards will be included in the Implementation Manual Factsheet and future Implementation Manual.*

***Procurement and installation costs must be fully covered before these other costs become eligible. Eligible applicant can use the 10% school transportation program funding to cover these costs.*



School Transportation Programs

Up to 10% of the total grant award can be used to supplement an LEA's school transportation program.

Example: LEA awarded grant for 1 Type D school bus with wheelchair lift and 1 DCFC.

90%

\$360,000 base grant for school bus
\$ 15,000 for wheelchair "plus-up"
+ \$ 75,000 infrastructure award
\$ 450,000 combined school bus and infrastructure award

10%

+ \$ 50,000 school transportation funding

\$ 500,000 total ZESBI award



Eligible Costs for School Transportation Programs

Transportation Department

Including but not limited to...

Buildings

- Office Equipment
- Security Cameras and Systems

Electrical System

- Electrical System Upgrades to Transportation Yards

Infrastructure

- Charger Upgrades/Repairs
- Fuel Costs (Electric or Hydrogen Only)

Shop Equipment

- Auto Repair Tools for ZE Buses
- High Voltage Safety Equipment for ZE Buses

Transportation Yards

- New Pavement/Repavement
- New Fencing/Refencing

Vehicles (Owned & Operated by LEA)

- ZE Fleet Planning Services
- ZE School Bus Repairs (Outside Warranty)

ZE Workforce Training

- Mileage Reimbursement for In-Person Training
- Staff Training (Beyond Electric School Bus Training Program)



Costs must be able to be incurred within agreement term.

Infrastructure Stacking Eligibility

Infrastructure Awards:

- Stacking is generally allowable if combined funding sources do not exceed total project cost
- Utility programs that reimburse utility service upgrades and integration costs may be utilized, but cannot be reimbursed by ZESBI
- Multiple sources of CEC funding, such as solicitation or EnergIIZE funding, cannot be applied to one project



05

ZESBI Application Process

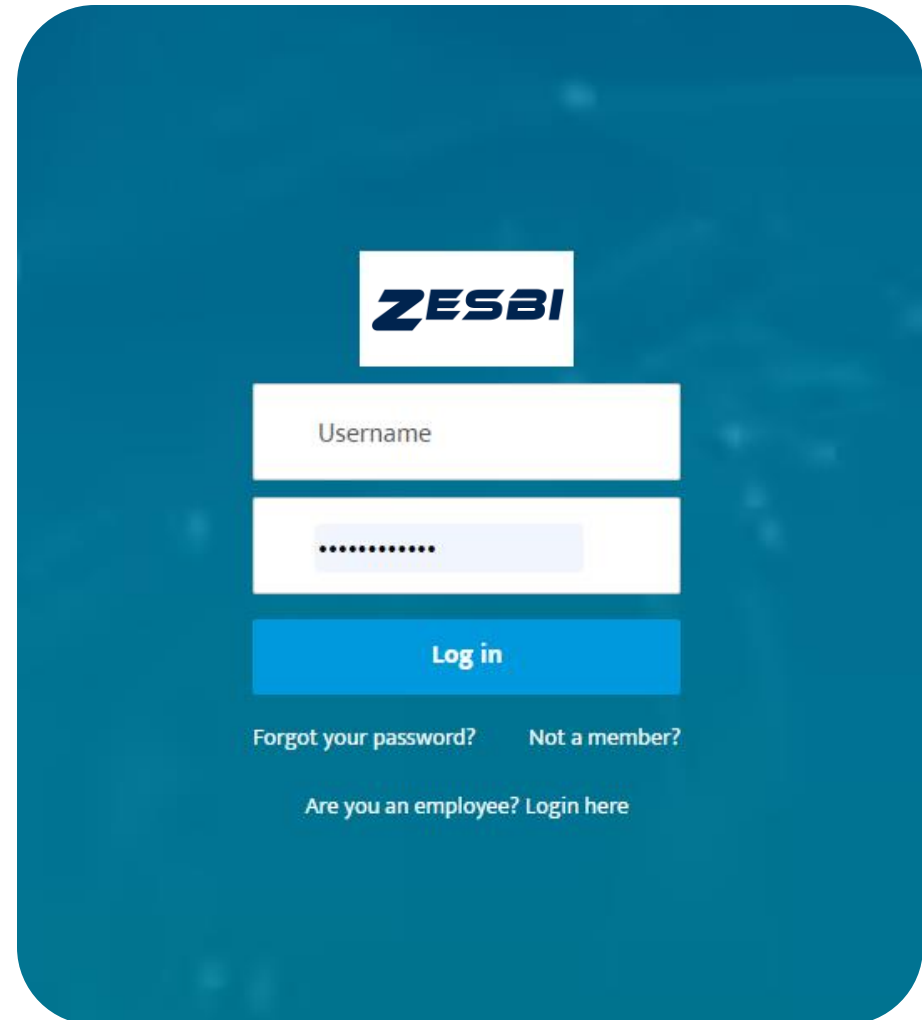
Application Part A

- **ZESBI opened for applications on May 14, 2024, at 10:00 am Pacific Time and will remain open until September 30, 2024, at 5:00 pm Pacific Time.**
 - Application link will be at www.californiahvip.org/zesbi.
 - One submission per applicant, all buses (up to 50) on one application
- Applicant must submit the following:
 - A Letter of Intent signed by an authorized representative stating the applicant's intent to purchase ZE school bus(es).
 - A current copy of the DMV Registration for each old school bus included in Application Part A.
 - A current copy of the CHP Safety Certification (CHP 292) for each old school bus included in Application Part A. The old school buses must have a current, unexpired, (CHP 292 or equivalent) at time of application submittal.



ZESBI Applicant Portal

- Applicants will be required to create an account to access Application Part A.
 1. Select "Not a member?" to be directed to the registration screen.
 2. Enter your name and primary email and select "Sign Up", you will receive a link to your email to create a password and Log In.



The screenshot shows the ZESBI Applicant Portal login interface. At the top center is the ZESBI logo. Below it are two input fields: the first is labeled "Username" and the second is a password field with a masked password of ten dots. A blue "Log in" button is positioned below the password field. At the bottom of the form, there are two links: "Forgot your password?" and "Not a member?". Below these links is a text prompt: "Are you an employee? Login here".



Application Part A - Steps and Submittal

Application Part A

Application Number APP-000000

Submit Application

Instructions

Applicant

Letter of Intent

Project Locations

Questionnaire

School Buses

▼ Contact Information

Primary Contact

First Name

First Name

Last Name

Last Name

Title

Phone

Secondary Contact

First Name

First Name

Last Name

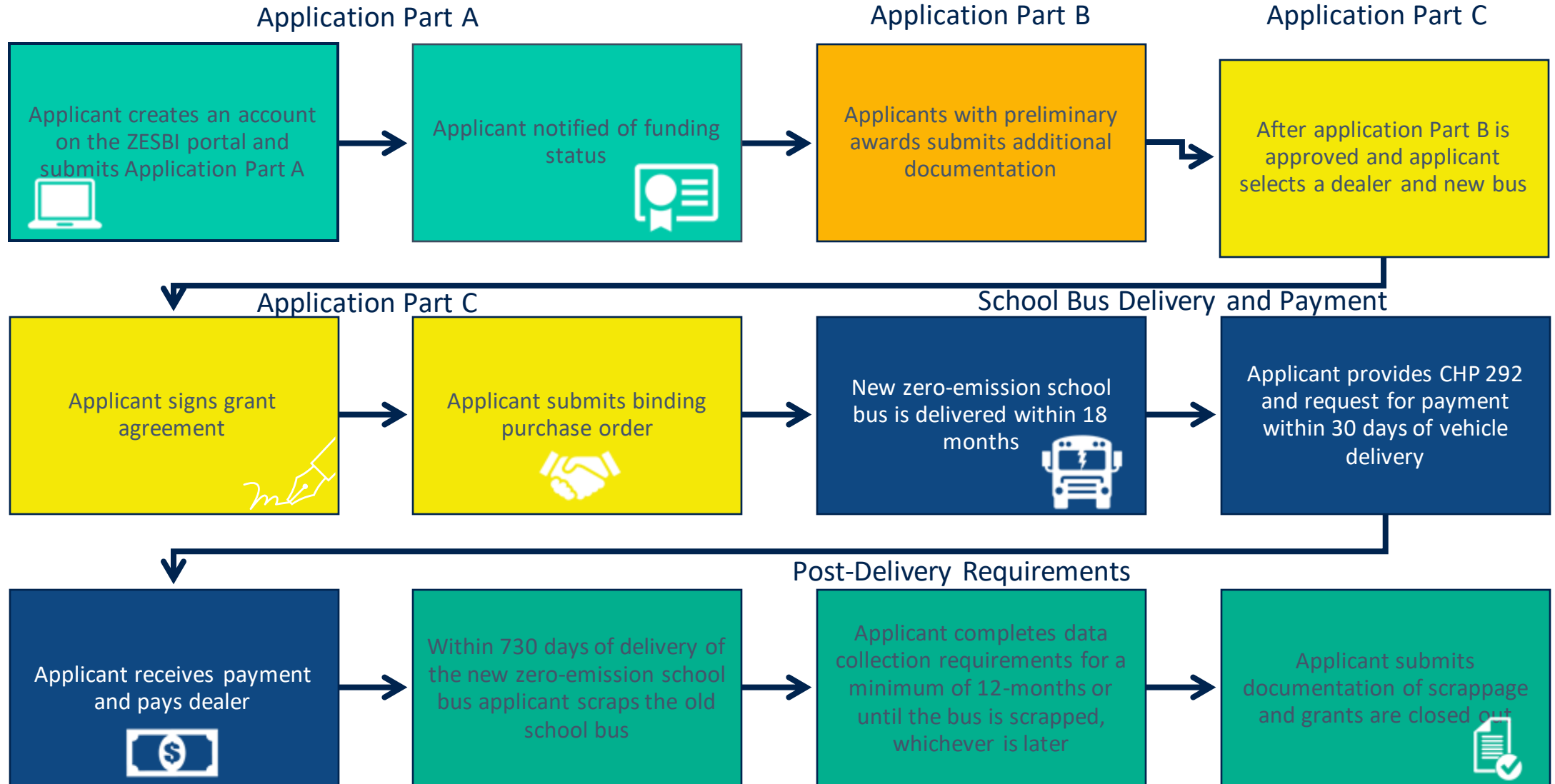
Last Name

Title

Phone



Three Step Application Process



Cal Fleet Advisor

- **Technical assistance is available for school districts in California!**
- **Cal Fleet Advisor: A free assistance program** to help owners and operators of medium- and heavy-duty vehicles and fleets make the transition to zero-emissions.
- For more information, please visit www.calfleetadvisor.org/esb.



Cal Fleet Advisor

- Connect 1 on 1 with an Advisor
- Industry and peer referrals
- Incentive funding and procurement resources
- Fleet transition planning
- Post-delivery deployment optimization



Ride & Drive Events

- Join us this summer for our Ride & Drive events at Roseville High School and Cruickshank Middle School!
- **Roseville High School**
 - *Date: Wednesday, June 26, 2024*
 - *Time: 8:00 a.m.-3:00 p.m. PST*
 - *Location: Roseville High School, 1 Tiger Way, Roseville, CA 95678*
- **Cruickshank Middle School**
 - *Date: Wednesday, July 31, 2024*
 - *Time: 10:00 a.m.-2:00 p.m. PST*
 - *Location: Cruickshank Middle School, 601 Mercy Ave, Merced, CA 95340*
- For more information or to sign up to attend, please reach out to our team at schoolbusteam@calstart.org!



Thank You For Participating!



Follow-Up Email

Recording of session
Copy of slide deck



Questions?

Reach out to
SchoolBusTeam@calstart.org



Learn more at:

californiahvip.org/ZESBI

Questions?

SchoolBusTeam@CALSTART.org

