

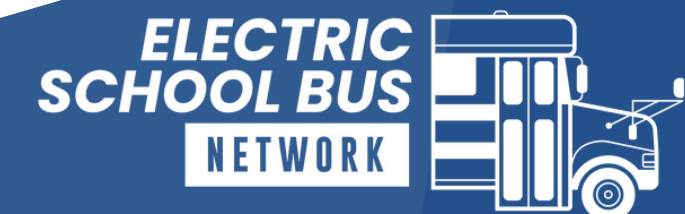
ELECTRIC
SCHOOL BUS
NETWORK



MIDWEST/MOUNTAIN REGION ELECTRIC SCHOOL BUS WORKING GROUP

(EPA Regions 5, 7, & 8)

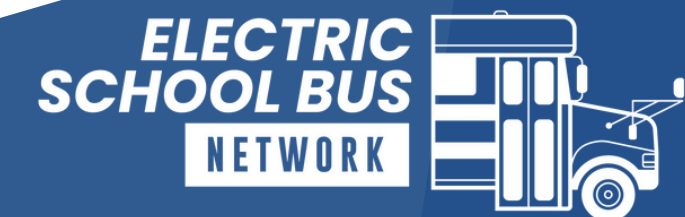
SELECTING AN ELECTRIC SCHOOL BUS | NOVEMBER 9, 2022



TODAY'S

WORKING GROUP AGENDA

- 01.** Intro to the Electric School Bus Network
- 02.** Clean School Bus Program Update
- 03.** Selecting an Electric School Bus
- 04.** Q+A with Panelists
- 04.** Summary + Closing



MEET THE TEAM



Rachel Chard
National Program Manager

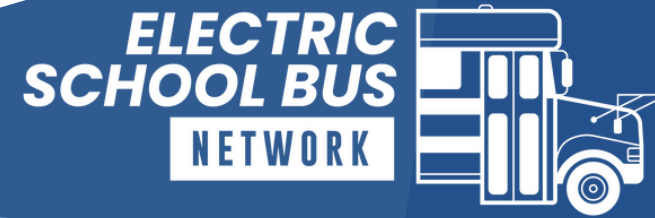


Liza Walsh
Associate Project Manager

GLOBAL ORGANIZATION TRANSFORMING TRANSPORTATION FOR GOOD



 **Headquarters**  **Regional Office**

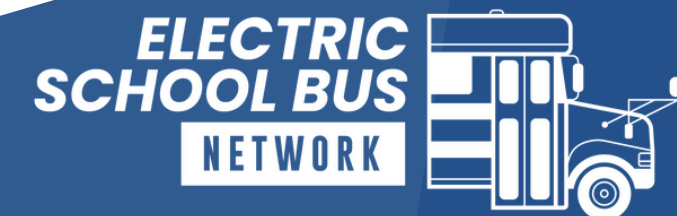




ELECTRIC SCHOOL BUS NETWORK

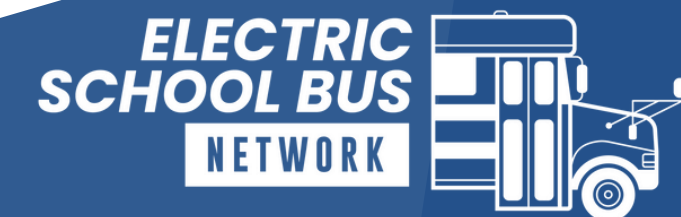
The Electric School Bus Network accelerates nationwide school bus fleet electrification through peer-to-peer networking and dialogue-driven working group meetings for school districts, advocacy organizations, government organizations, and industry representatives. The ESB Network provides access to educational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

In Partnership With:



ELECTRIC SCHOOL BUS WORKING GROUPS

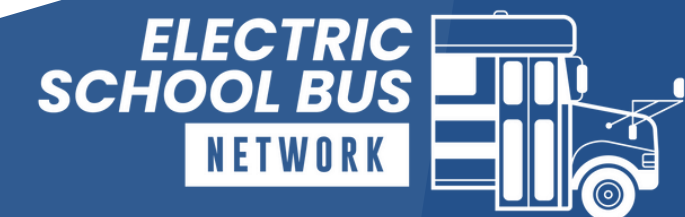
- **Working Groups are not webinars!**
- **They are ongoing**, not static
- Panels with industry subject matter experts
- **Goal: Ease the transition of the U.S. school bus fleet to electric**
 - Facilitate conversations
 - Provide up-to-date information
 - Independent/Third Party Partner



ELECTRIC
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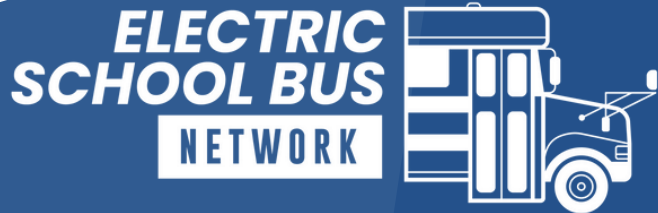


EPA CLEAN SCHOOL BUS PROGRAM UPDATE



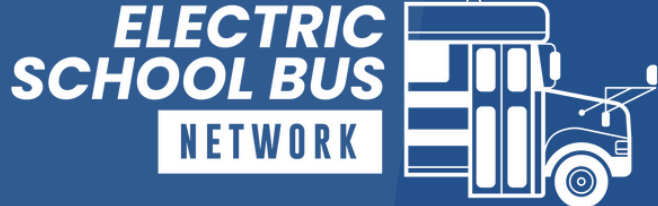
MIDWEST/MOUNTAIN REGION CSB PROGRAM AWARDS

State	# of ESBs	\$ Amount	State	# of ESBs	\$ Amount
Colorado	8	\$2,890,000	Kansas	17	\$6,625,000
Iowa	28	\$11,120,000	Michigan	137	\$54,060,000
Illinois	121	\$48,315,000	Minnesota	4	\$1,610,000
Indiana	13	\$5,315,000	Missouri	55	\$21,755,000



MIDWEST/MOUNTAIN REGION CSB PROGRAM AWARDS

State	# of ESBs	\$ Amount	State	# of ESBs	\$ Amount
Montana	10	\$3,950,000	South Dakota	9	\$3,600,000
North Dakota	6	\$2,370,000	Utah	12	\$4,740,000
Nebraska	6	\$1,885,000	Wisconsin	65	\$25,825,000
Ohio	13	\$5,885,000	Wyoming	1	\$203,000
			TOTAL	505	\$198,335,000



ELECTRIC
SCHOOL BUS

NETWORK



TODAY'S TOPIC:

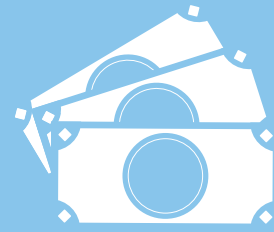
SELECTING YOUR ELECTRIC SCHOOL BUS



ELECTRIC
SCHOOL BUS
NETWORK

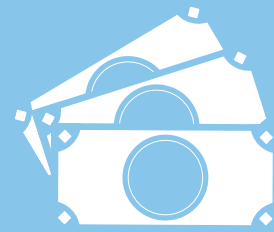


ELECTRIC SCHOOL BUS PROCUREMENT



Type A Cost

\$235,000-\$325,000



Type C/D Cost

\$325,000-\$450,000

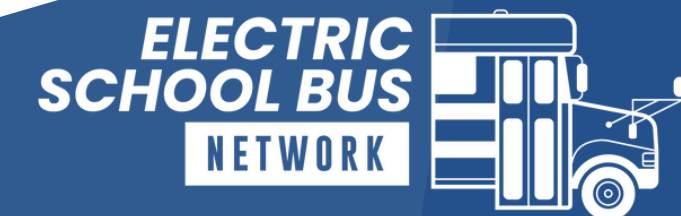


Purchasing Options

- Cooperative Purchasing
- RFP process
- Public/Private Partnership

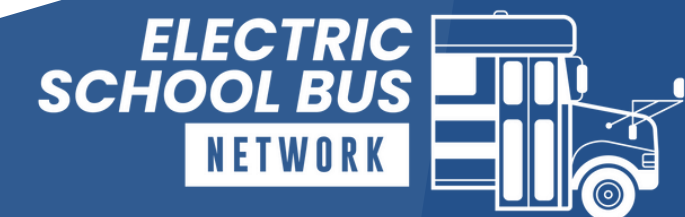
TYPE A ELECTRIC SCHOOL BUSES

Manufacturer	Lion	Blue Bird	Motiv Collins/ Trans Tech	Phoenix Motorcars	Lightning Systems	Green Power
Name	LionA	MicroBird	E-450	Zeus 600	E-450	Nano Beast
Est Range	150 mi	100 mi	120 mi	150 mi	120 mi	150 mi
Battery Capacity	168 kWh	88 kWh	127 kWh	140 kWh	125 kWh	118 kWh
Passenger Capacity	24	30	24	23	24	24



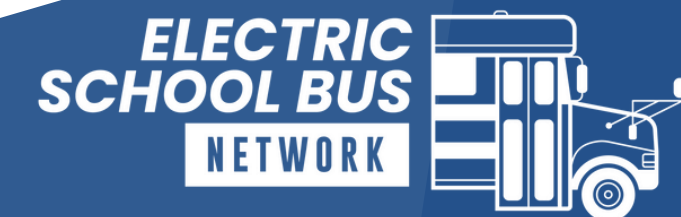
TYPE C ELECTRIC SCHOOL BUSES

Manufacturer	Lion	Blue Bird	Thomas	IC Bus/ Navistar	BYD
Name	LionC	Vision	Jouley	CE Series	Type C
Est Range	125 mi	120 mi	138 mi	210 mi	155 mi
Battery Capacity	168 kWh	155 kWh	226 kWh	315 kWh	255.5 kWh
Passenger Capacity	77	77	81	29-72	78



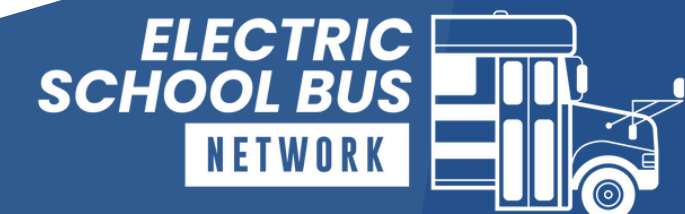
TYPE D ELECTRIC SCHOOL BUSES

Manufacturer	Lion	Blue Bird	GreenPower	BYD
Name	LionD	All American	Beast 90	Type D
Est Range	125 mi	120 mi	150 mi	155 mi
Battery Capacity	168 kWh	155 kWh	193.5 kWh	255.5 kWh
Passenger Capacity	83	84	90	84



BUS SELECTION RESOURCES

- [CALSTART'S Zero Emission Technology Inventory Tool](#)
- [WRI's ESB Market Buyers Guide](#)
- [EPA's Bus Inventory Spreadsheet](#)



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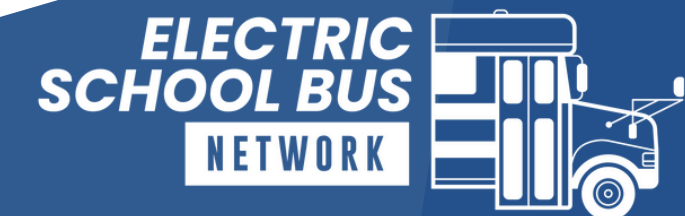


ELECTRIC SCHOOL BUS PANEL

Kevin Holland
Navistar

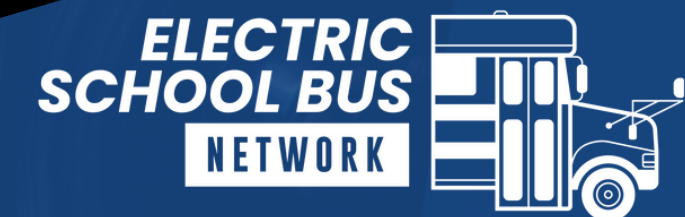
Malinda Sandhu
Lion Electric

Landon Hillard
Boulder Valley
School District, CO



GUEST SPEAKER Q+A

Please raise your hand or type your questions for our panelists in the chat!



CLOSING

FOLLOW UP

- **Recording of Meeting**
- **Copy of Slides**
- **Links to Resources Shared**

NEXT MEETING

- **Wednesday, January 11 - 1 pm Central**

QUESTIONS

- **Email schoolbusteam@calstart.org**