

A photograph of the interior of a school bus, showing several students sitting in rows of seats. The students are looking towards the front of the bus, and some are smiling. The lighting is bright, suggesting daytime. The text is overlaid on this image.

**Electric  
School Bus**  
INITIATIVE

# ADVANCED ENERGY GROUP WASHINGTON 22Q4 CLEAN TRANSPORTATION STAKEHOLDER CHALLENGE

November 3, 2022

# DC'S ELECTRIC SCHOOL BUS FUTURE



## Statute

Clean Energy Omnibus Amendment Act (March 2019) mandates 100% zero-emission buses by 2045, with interim goals in 2030 (50%) and 2035 (75%) for low-/zero-emission buses.

## Electric School Bus Status

OSSE plans to order 25 electric school buses with support from the EPA Clean School Bus Program in 2023.



## Health

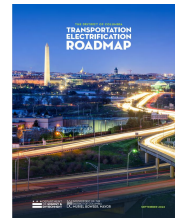
DC's [child asthma rate](#) is 10.9% – 51% higher than the national average\* – and asthma rates are highest in [Wards 5, 7, and 8](#).

## Emissions

Transportation emissions (22%) are second to buildings (73%) [in DC](#) for greatest greenhouse gas impact.



531 Type A bus // 11 Type C buses  
Focused on transporting students with disabilities



# BIGGEST HURDLES



Higher total cost of ownership for ESBs, without incentives, for some time to come

New infrastructure enhancements needed, “in front of” and “behind the meter” take time and money

New technology, for drivers, mechanics, community calls for lots of information and education

# ROADBLOCKS AND SOLUTIONS



Working with diverse stakeholders



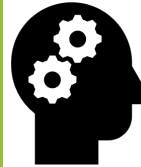
Big win with EPA CSBP award (25 buses+\$7.625M)

- *How to build on this via tax credits, utility support, possible green bank role?*



Make-ready option on the books

- *How can new tariffs support depot + on-route charging?*
- *Coordinate with other SDs?*
- *How to future proof efforts?*



Momentum across DMV

- *How to learn from others electrifying locally?*
- *How to best engage community?*
- *How to offer training?*

Need for planning and outreach

# BENEFITS FROM SCHOOL BUS ELECTRIFICATION



Healthier and quieter ride for kids, drivers and community

Lower greenhouse gas emissions

Opportunities to support grid resiliency and renewables

Workforce development in emerging industry

# WHERE TO NOW?

Regarding Clean Transportation, to achieve D.C.'s Climate, Health and Equity goals -- a critical obstacle to collectively overcome in 12 months is:

## CROSS-SECTOR ALIGNMENT ON LAUNCHING AN ESB PILOT

- Government
- Utility
- Community
- Manufacturers



**Electric**  
**School Bus**  

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**INITIATIVE**

**THANK YOU**

*Find out more at [electricschoolbusinitiative.org](https://www.electricschoolbusinitiative.org)*