

FAIRFAX COUNTY PUBLIC SCHOOLS VIRGINIA

SCHOOL BUS FLEET CONVERSION

ENVIRONMENTAL QUALITY ADVISORY COUNCIL (EQAC)

UPDATE

BACKGROUND

- 1,625 school buses; 896 cars, vans, and trucks
- Joint Environmental Task
 Force (JET) goal to convert the school bus fleet by 2035
- FCPS OTS committed to meeting the goal
- SY 2023-2024, 28 electric school buses in operation; 3 on order
- SY 2023-2024 6 Nissan Leafs



GRANT OPPORTUNITIES

 Dominion Energy - 8 electric school buses and 4 V2G charging stations

 Department of Environmental Quality (DEQ) - 20 electric buses (10 V2G charging stations)

• **EPA Inflation Reduction Act**-Not Awarded



GRANT OPPORTUNITIES-CONT

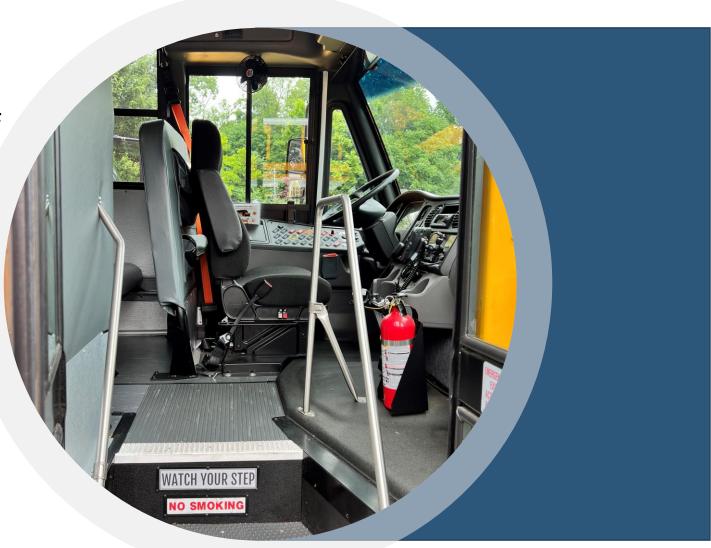
Department of Energy (DOE)
 Renew America – Not awarded

- Environmental Protection
 Agency (EPA) Clean School Bus
 Individual/3rd Party with S/M Waiting for notice of award
- EPA Clean School Bus Rebate
 Application will be submitted in
 January 2024



EMISSIONS REDUCTION

- FCPS fleet will avoid 541.55 pounds of Nitrogen Oxides (NOx) over the useful life of the bus
- FCPS fleet of EV buses has avoided 208.89 short tons of greenhouse gases equivalent to 6.5 million balloons.
- An EV bus saves 3.75 pounds of CO2 emissions per mile driven.



GETTING EVERYONE ONBOARD

- Driver training and communication
- Partnerships with utility providers, vendors, and thirdparty providers
- Keeping leadership informed with plans and funding requirements for transition to a fully ESB fleet



PLANNING AND IMPLEMENTATION

Infrastructure

Parking - 3 depots; 140 park outs

 Funding- Explore grant opportunities; increase budgetary funding, if possible



PROGRAM EVALUATION AND MEASURABLES

- Establish Key Performance Indicators
- Work with vendors and manufacturers
- Use data to guide decisions
- Share data and challenges with stakeholders





THANKYOU!



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