



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 (NO_x) 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 third-party 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





THANK YOU!



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