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## CONTACT INFORMATION

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PROJECT NAME	Electric School Bus Pilot Project	
	RY OR CATEGORIES (choose from 1-9 in "Eligible Projects" section above)	
1 2 3	4 5 6 7 8 9 🗸	
PROJECT PRIORIT		
If submitting more than	n one proposal, what is the sponsor's priority of this proposal?	
PROJECT BUDGET	\$ 350,000,00	
Provide total estimated project budget, include source and amount of cost share if applicable.		
Request from VW Trust: \$300,000 Cost Share from District: \$50,000		
PROJECT DESCRIP	TION (Briefly describe the project by completing the following questions)	
Geographic area where emissions reductions will occur? western Essex County		
Estimated size of population benefitting from the emission reductions? 120,000		
Estimated useful life of the project? 10		
Number of engines/vehicles/vessels/equipment included in the project? 1		
Estimated emission benefits should be expressed in tons per year (TPY) of emission reduced		
	5 over the lifetime of the project. Identify methodology used.	
Estimated NOx benefit		
	93 lbs. of NOx reduced / 2000	
Particulate matter (PM 2.5) benefits? 0.01 TPY		
Methodology Used? .1	lbs. /day of PM / 2000 times 200 days	
Will the project benefit pollution? If so, please	one or more communities that are disproportionately impacted by air describe.	
Essex County is one of the communities in the state most impacted by air pollution. In western Essex County, where we are located, the level is moderate, but our buses also travel in parts of the county in which the level of air pollution is severe.		

Project partners, if any?

Hoover Truck and Bus Center, Flanders, NJ (Blue Bird/Roush)

Explain how the project will provide cost effective and technically feasible emission reductions. Cost effectiveness should be expressed in dollars per ton per year of emissions reduced for NOx and for PM 2.5.

The electric bus would eliminate NOx and PM emissions from the vehicle itself. Estimated cost effectiveness would be \$506 per pound (per Blue Bird/Roush).

Estimated timeframe for implementation? Include a project timeline that identifies start and end dates, as well as the timeframe for key milestones.

June 2018: order bus

January 2019: order charging station March 2019: install charging station June 2019: Receive bus, inspection

September 2019: Initial integration into school bus runs

Demonstrated success in implementing similar projects?

We have implemented several energy-saving projects in our district, most recently including installation of higher efficiency HVAC equipment (2014), higher quality windows and doors (2015), and creation of sustainability learning center projects through Sustainable Jersey for Schools (2016). We are currently implementing an ESIP project through the state, which will involve over \$4 million in energy improvements.

If your proposed project involves alternative fuels, provide a demonstration of current or future plans to provide adequate refueling infrastructure.

We would just need an EV charging station, which we have included in our budget.

Has your organization been approved to receive and expend any other grant funds related to this project? If so, please provide details.

No, but if still available at the time of purchase, we would apply for DERA funding from the federal government.

Please provide any additional information that supports this project.

Electric school buses are very expensive. We believe that there are some potential benefits which may make them viable. We would be exploring the possibility of Vehicle to Building capabilities as a form of back-up power for emergency situations.

Two additional pages have been provided as supplemental space to answer any of the questions above.