



DERA State 2021: Electric School Bus Replacements in Nevada



Where:
Nevada and Carson County, NV



Grantee:
Nevada Division of Environmental Protection



Replacing:
4 Diesel School Buses



Funding:
\$513,234 U.S. EPA's DERA
\$342,156 Matched
\$981,932 Cost-share



Emission Reductions:*
0.14 tons of PM_{2.5}
1.92 short tons of NO_x
0.90 tons of CO

tons of HC



What is the Collaborative?
The West Coast Collaborative is a partnership among leaders from federal, tribal, state, and local governments, the private sector and environmental and community groups in EPA Regions 9 and 10.

The West Coast Collaborative (WCC) is pleased to announce the Nevada Division of Environmental Protection's (NDEP's) receipt of a United States Environmental Protection Agency (US EPA) Diesel Emissions Reduction Act (DERA) State Grant to replace heavy-duty diesel school buses operating throughout Nevada. This project will be implemented using \$513,234 in DERA grant funding combined with \$342,156 in matching funds from NDEP's Volkswagen Environmental Mitigation Trust allocation, and \$981,932 in cost-share funds from participating school bus fleets.

What is this Project?

This project will replace four legacy diesel school buses with four zero tailpipe emission battery-electric buses. Project vehicles will be selected from Nevada County and Carson City School District fleets.

Why is this Project Important?

This project's primary objective is to improve the environmental health of children by partnering with local school districts to replace legacy heavy-duty diesel school bus buses with zero emission battery-electric buses. The project will reduce emissions in communities disproportionately affected by diesel exhaust and poor air quality. Exposure to diesel exhaust has been associated with decreased lung function and retarded lung development and can also exacerbate the symptoms of asthma, bronchitis and pneumonia. This project will reduce children's exposure to diesel emissions as well as the negative health effects associated with exposure.

Who are the project Partners?

The project will be led by NDEP, a state agency whose mission is to preserve and enhance the environment of Nevada to protect public health, sustain healthy ecosystems, and contribute to a vibrant economy. NDEP received the DERA grant award through the WCC and will distribute grant funds to Carson City School District and a Nevada County School District. NV Energy will assist the schools with electric vehicle charging infrastructure planning and installation. NDEP is responsible for managing and reporting results for the project to US EPA.

*Estimated air emission reductions over the remaining lifetimes of these engines

For more information about this project, contact Esperanza Perez at U.S. EPA (perez.esperanza@epa.gov / 415-972-3261)

For more information on the WCC, please visit www.westcoastcollaborative.org