



Nevada Electric Truck and Bus Incentive Program

Leveraging Federal Funding to Create Benefits for Nevada

What is it?

An incentive program for medium and heavy-duty (MHD) electric trucks, federally funded through the Bipartisan Infrastructure Law and Inflation Reduction Act that will focus on deploying clean trucks and buses in Nevada's disadvantaged communities.

Why do we need this?

Although MHD trucks make up only 5% of all vehicles on the road nationally, they are responsible for 30% of on-road greenhouse gas emissions and over 50% of on-road PM2.5 emissions across the country. These PM2.5 emissions drive unhealthy air quality, which causes asthma, lung maladies, and cardiovascular diseases. MHD trucks and their harmful emissions are also disproportionately concentrated in communities of color due to their close proximity to major roadways, ports, and warehouses where truck pollution is most prominent.

Electric trucks and buses have zero tailpipe emissions, leading to huge reductions in greenhouse gas emissions and improving air quality. A transition to zero-emission trucks and buses by 2040 would generate \$5.2 billion in public health benefits in Nevada alone. According to the American Lung Association, the cumulative benefit of a full transition to zero emission trucks by 2040 for Nevada will result in the avoidance of 56,722 lost work days, 10,569 asthma attacks, and 474 premature deaths.

Nevada recently joined a coalition of states committed to 30% of new MHD vehicle sales to be zero emission vehicles (ZEVs) by 2030 and 100% of sales to be ZEVs by no later than 2050. The coalition's recent action report listed electric MHD incentive programs as a top policy priority for achieving those ambitious objectives.

Who will benefit from more clean trucks?

The incentive program will be structured to prioritize deploying electric trucks for the groups that need them most: small businesses, public transit

agencies, and school districts. These entities will greatly benefit from the operational cost savings of electric trucks and buses, but higher upfront purchasing costs are a barrier. This incentive program will lower the barrier to electrification for Nevada's small businesses and bus operators and help them realize the economic and public health benefits that electric trucks and buses offer.

Where will incentives for clean trucks be prioritized?

Incentives will be focused in "historically underserved communities," as defined by SB 448 of the 2021 legislative session, by prioritizing applications for these communities and offering higher incentives for vehicles driving the majority of their miles in these communities. This will

focus incentives where they will have the greatest environmental and public health benefits and will align the program with the principles of the Justice40 initiative.

How will it work?

New funding allocated to Nevada from the Bipartisan Infrastructure Law will provide the initial funding for this program. Creating this MHD incentive program will help Nevada secure additional funding from the Clean Heavy Duty and Community Charging competitive grant programs created through recent federal legislation. In coordination with manufacturers, dealers and fleet owners, the program will be designed so that purchasers of qualifying electric vehicles can apply the rebate at the point of sale to reduce upfront purchasing cost of zero-emission Class 3-8 trucks.



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