

Featured Articles

Clean Fleet Transition by Maxwell Goble

In 2019, motor vehicles accounted for 83% of emissions in the transportation sector, and fleet vehicles account for a significant portion of carbon emissions.

There are emerging opportunities to allow for a net decrease in these emissions—including the electrification of medium and heavy-duty vehicles. Nikola, a leader in the electrification of Class 8 heavy duty trucks, has produced the Nikola Tre BEV. This truck is capable of a 330-mile range and charges in just 90 minutes. According to the North American Council of Fleet Efficiency (NACFE), 30-50% of Class 8 trucks drive less than 250 miles per day. This makes Nikola's Tre BEV an ideal solution for fleets to maintain an operational efficiency while reducing energy consumption and emissions.

In addition, there are benefits and incentives for fleets to begin transitioning to these new opportunities. First, the electrification of medium and heavy-duty vehicles may lead to lower operating costs. Electric vehicles have far fewer moving parts than traditional diesel combustion engines leading to far fewer maintenance costs. Additionally, the price of electric charging is less than diesel fuel, which provides further potential savings for fleets. Many federal funding opportunities exist to offset



the initial investment cost including, but not limited to, the [Diesel Emissions Reduction Act program](#).

Opportunities and Events

Rebuilding American Infrastructure with Sustainability and Equity (RAISE) Grant Program

The U.S. Department of Transportation (USDOT) Rebuilding American Infrastructure with Sustainability and Equity (RAISE) program provides grants for surface transportation infrastructure projects with significant local or regional impact. The 2025 Notice of Funding Opportunity (NOFO) was posted, and **applications are due January 30, 2025**. [Learn more here](#).

Clean Energy and Transportation Webinar

January 28, 2025 | 10:00 am - 11:30 am ET

The SC Department of Employment and Workforce, SC Energy Office, SC Department of Commerce, and the SC Department of Transportation are hosting a free webinar on Clean Energy and Transportation and South Carolina's progress since the Governor's executive order. The webinar will cover how clean energy and transportation may affect SC and its citizens from the workforce and workforce development perspective. Learn how each initiative started in South Carolina, where we currently stand, and where we are going as a state. [Click here to register](#).

Southeast Electric Transportation Regional Initiative (SETRI) Meeting

April 3, 2025

The Southeast Electric Transportation Regional Initiative (SETRI) is hosting a meeting at Duke University. This in-person event from the [Southeast Transportation Electric Regional Initiative \(SETRI\)](#) will bring together a multisector network to highlight successes, opportunities, and challenges in advancing electric mobility activities and collaboration across the Southeast. The meeting will feature presentations, a moderated roundtable discussion, and opportunities for networking. A virtual option will be available for the morning session. [Click here to learn more](#).

In Case You Missed It

[Scientists find huge trove of rare metals needed for clean energy hidden inside toxic coal waste](#)

[Global Race to Unlock Subterranean Hydrogen: The Future of Limitless Clean Energy](#)

[This Georgia school district is one of few in the US with a 100% clean energy bus fleet](#)

About Palmetto Clean Fuels

Palmetto Clean Fuels Coalition (PCF) is an initiative of the Office of Regulatory Staff - Energy Office. PCF works to increase the use of alternative fuels and advanced vehicle technologies in South Carolina. PCF strives to help public and private entities, as well as individuals, lower fuel costs, improve air quality, and reduce petroleum consumption. PCF also promotes idle reduction, fuel economy measures, vehicle miles traveled reductions, and bicycle and pedestrian efforts.



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