



Joint Electric Truck Scaling Initiative (JETSI)

2023 update



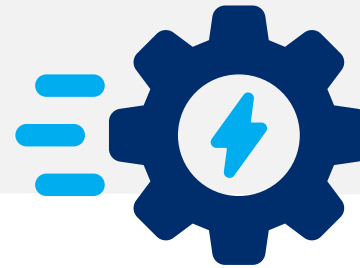
Agenda



Introduction



Project Background



Deployment




Project Focus


Project Background

- JETSI is the largest deployment of battery-electric trucks in North America to date, significantly increasing the number of zero-emission heavy-duty trucks available for goods movement while achieving necessary emission reductions.

2
Fleet Operators

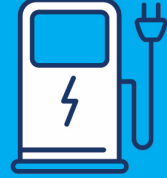


100
Battery-Electric Trucks

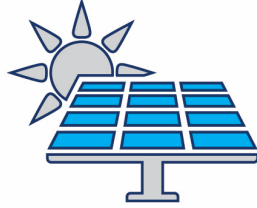


Volvo Trucks North America and Daimler Truck North America will produce a combined 100 Class 8 battery-electric trucks for regional haul and drayage.

70
Truck Chargers



1 MW
Solar Energy Generation



To charge the vehicles, heavy-duty chargers will be installed at two sites. The chargers at NFI's Ontario facility will utilize renewable electricity generated through solar power, supported by 5 MWh of battery energy storage.

Made Possible by

- JETSI is jointly financed by California Air Resources Board and California Energy Commission (\$26.98 million), South Coast AQMD (\$5.43 million), with an additional \$41.37 million from MSRC, Port of Long Beach, Port of Los Angeles, Southern California Edison, NFI, and Schneider.
- JETSI is part of California Climate Investments, putting billions of cap-and-trade dollars to work reducing GHG emissions, strengthening the economy and improving public health and the environment – particularly in disadvantaged communities.



Deployment

- Project partners Daimler Truck North America (DTNA) and Volvo Trucks North America (Volvo Trucks) are manufacturing and delivering the Class 8 battery-electric trucks (BETs) for deployment in the Southern California fleet operations of Schneider and NFI.
- Operating in primarily in areas designated as air quality “disadvantaged communities,” the zero-emission trucks will replace the equivalent of over 690,000 diesel-gallons annually while accelerating commercialization of battery-electric trucks.



Project Focus

- The project is poised to eliminate five tons of pollutants such as nitrogen oxides (NOx) and particulate matter (PM) annually along Southern California's I-710 and other freight corridors, as well as eliminate 8,247 metric tons of greenhouse gas emissions.
- Trucks will move freight across the region, including from the San Pedro Bay Port complex to inland distribution centers and warehouses, serving drayage and regional freight hauls.



5.5 Million DGEs

of diesel fuel will be displaced over the eight-year project



8,200 Metric Tons

of greenhouse gas emissions (GHGs) will be reduced each year



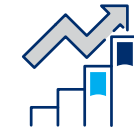
5 Weighted Tons

of criteria pollutants will be avoided each year by displacing diesel



239 Long-Term Jobs

sustained, including drivers and service technicians



\$16.8+ Million

in regional economic activity as result of site construction



Timeline

- The Battery electric trucks are being delivered to the two fleets during the first half of 2023, and project partners are hard at work on staff training, charging infrastructure, and the many other tasks required for the project.
- Communities will increasingly start to see the new battery-electric trucks on our roads during 2023!



2023

Joint Electric Truck Scaling Initiative

JETSI is led by South Coast AQMD and is the largest commercial deployment of battery-electric trucks in North America to date.

JETSI will significantly increase the number of zero-emission heavy-duty trucks doing goods movement and serves as a blueprint for zero-emission fleets across the nation and the world, with data analysis and public outreach to share findings.

	NFI	Schneider
Duty Cycle	Drayage, regional haul	Drayage, Regional Haul
Number of trucks	50 Class 8 BETs	50 Class 8 BETs
Number of chargers	19 350kW cabinets w/ 38 DC fast charger dispensers	16 300+ KW chargers w/ 32 DC fast charger dispensers
Solar / Battery Storage	1 MW / 5 MWh	-
Fleet Location	Ontario, CA	South El Monte, CA



Project Partners

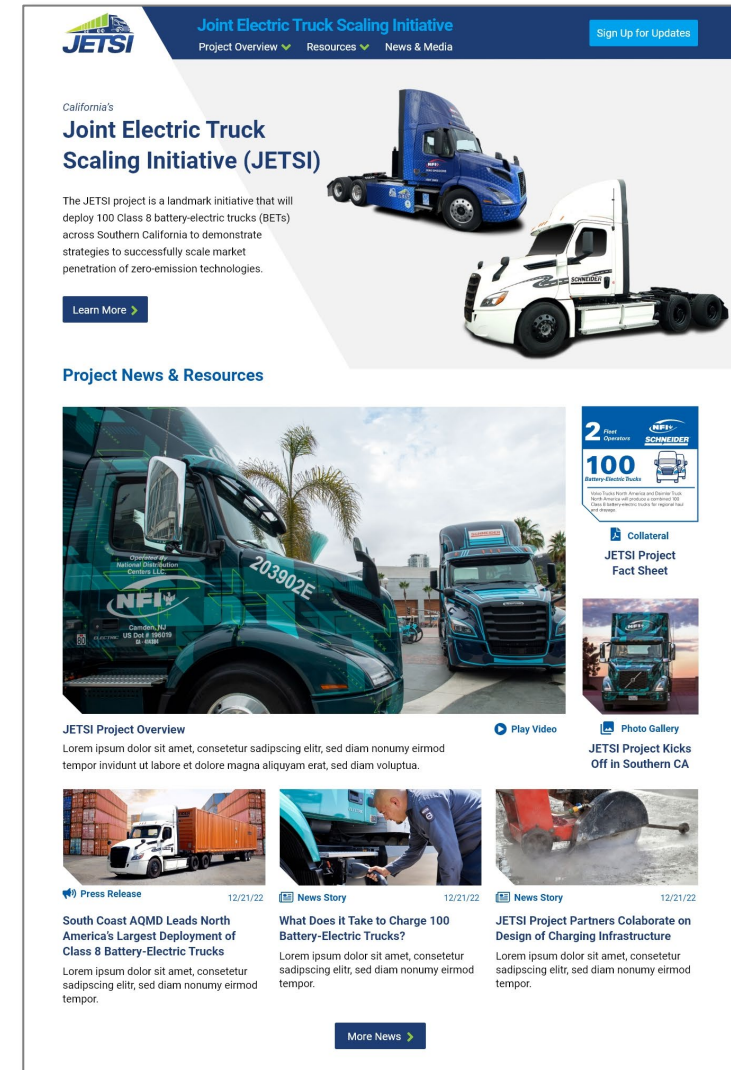


Let us again thank the primary project funding partners below, and acknowledge JETSI is part of California Climate Investments, a statewide program that puts billions of cap-and-trade dollars to work reducing greenhouse gas emissions, strengthening the economy and improving public health and the environment – particularly in disadvantaged communities.



Learn More

- Learn all the details of the project at the new JETSI website!
- Gain knowledge on vehicles, charging infrastructure, workforce development, environmental benefits and more.
- www.JETSIproject.com



Joint Electric Truck Scaling Initiative
Project Overview ▾ Resources ▾ News & Media Sign Up for Updates

California's
Joint Electric Truck Scaling Initiative (JETSI)

The JETSI project is a landmark initiative that will deploy 100 Class 8 battery-electric trucks (BETs) across Southern California to demonstrate strategies to successfully scale market penetration of zero-emission technologies.

[Learn More >](#)

Project News & Resources

2 Fleet Operators
100 Battery-Electric Trucks

Collateral
JETSI Project Fact Sheet

Photo Gallery
JETSI Project Kicks Off in Southern CA

JETSI Project Overview
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Press Release 12/21/22
South Coast AQMD Leads North America's Largest Deployment of Class 8 Battery-Electric Trucks
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News Story 12/21/22
What Does It Take to Charge 100 Battery-Electric Trucks?
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News Story 12/21/22
JETSI Project Partners Collaborate on Design of Charging Infrastructure
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