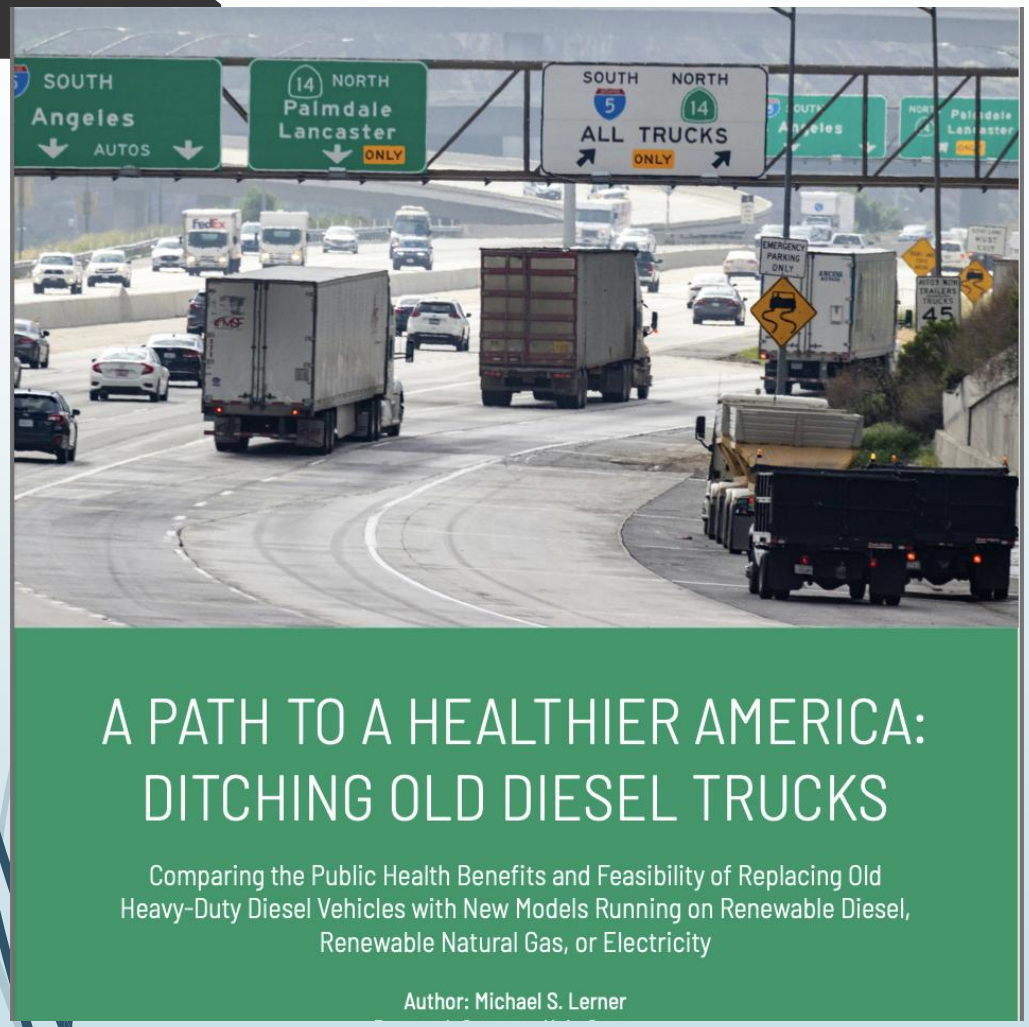
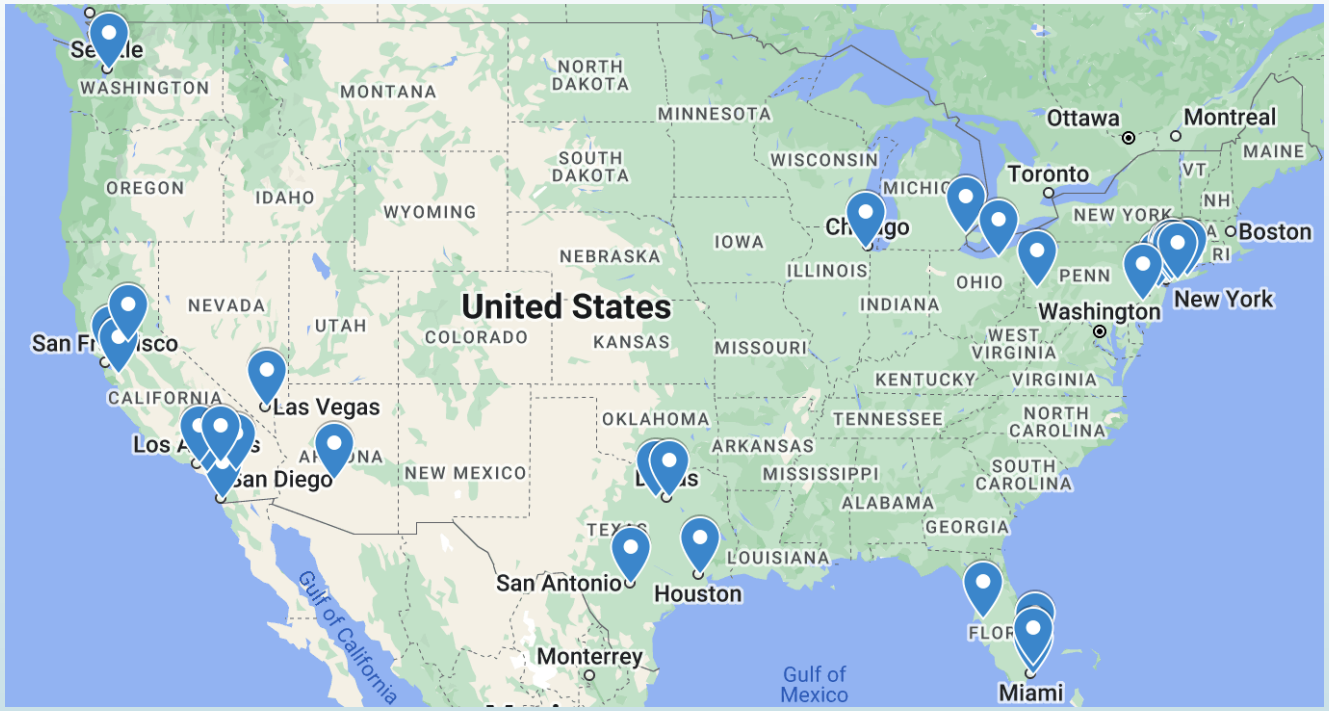
The Public Health Case for RNG in Transportation



New EV Report Compares Public Health Benefits of Replacing the Oldest 20% of Heavy Diesel Trucks with New RD, RNG, or Electric Models in 31 Highly Populated Counties



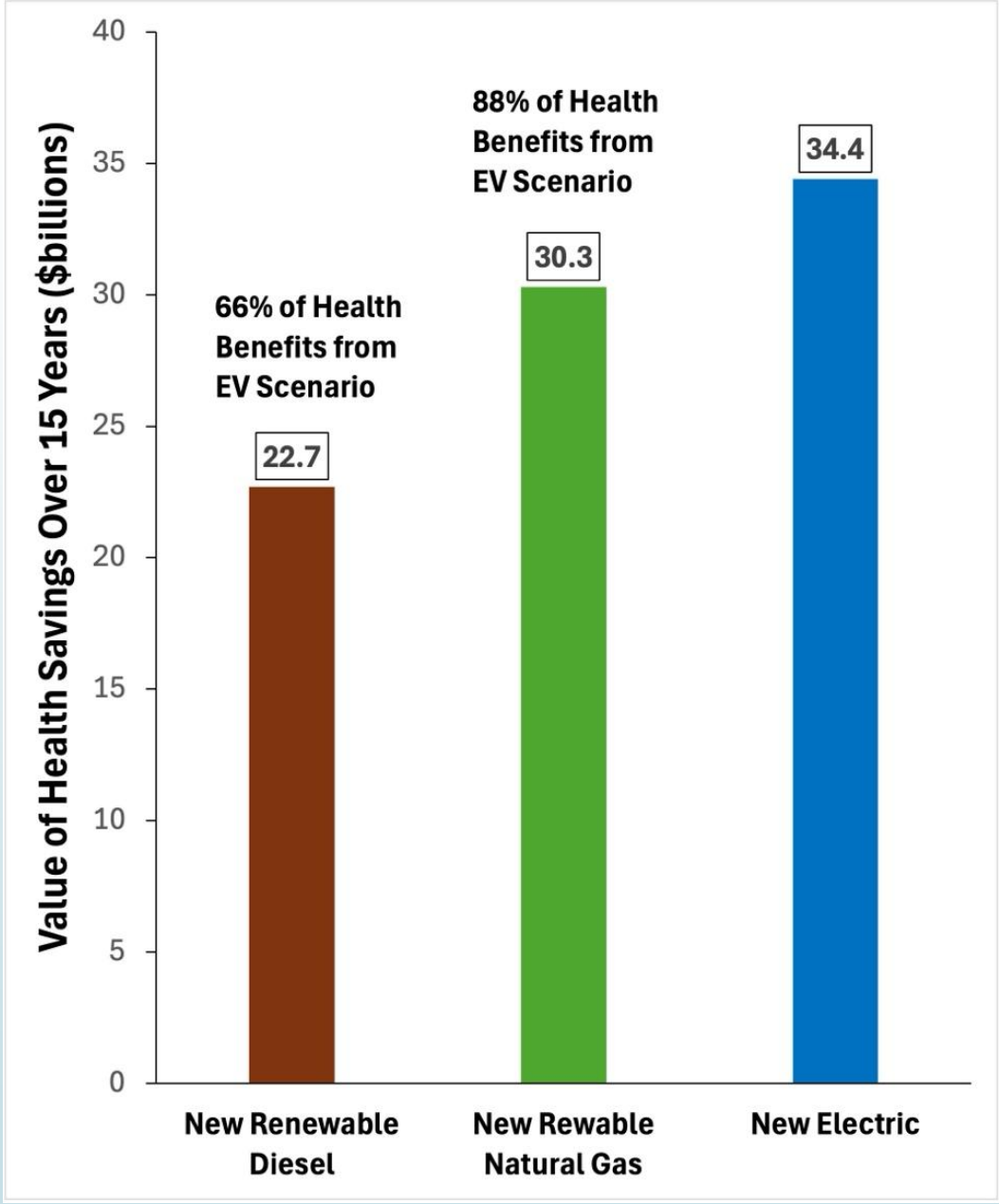
- Pre-2013 heavy-duty diesel trucks have worst emissions of all on-road vehicles
- Modeled replacing 130,000 of them in 31 counties

ENERGY VISION

Emissions & Health Impacts

New Truck and Fuel Type	Total NOx reduction	Total PM2.5 reduction
New Diesel	70.38%	33.00%
New CNG	94.21%	42.82%
New Electric	100.00%	67.87%

- **RNG is overall feasible winner:** almost as big health benefits as electric but widely available, far cheaper, and better-performing
- **RNG adoption would annually prevent over 100 deaths, 230 ER respiratory visits, 660 onsets of asthma, saving $2bn per year**



Source: Energy Vision calculations

RNG Makes Economic Sense for Fleets

- **Fuel Savings**: Historic average $0.80 cheaper per gallon; Clean Energy empirical $1.50+ cheaper per gallon. Pay back modest purchasing premium in a few years.
- **Use Existing Infrastructure**: as of January 2025, 527 out of 1,338 CNG stations in the U.S. sold RNG.

Source: The Transport Project

- **Cummins 15L CNG engine finally opens up tractor trailer market**, which consumes lion's share of all diesel.
- **New RNG models are available and high-performing today**. Over 90,000 CNG vehicles; 80+% of their fuel is RNG