

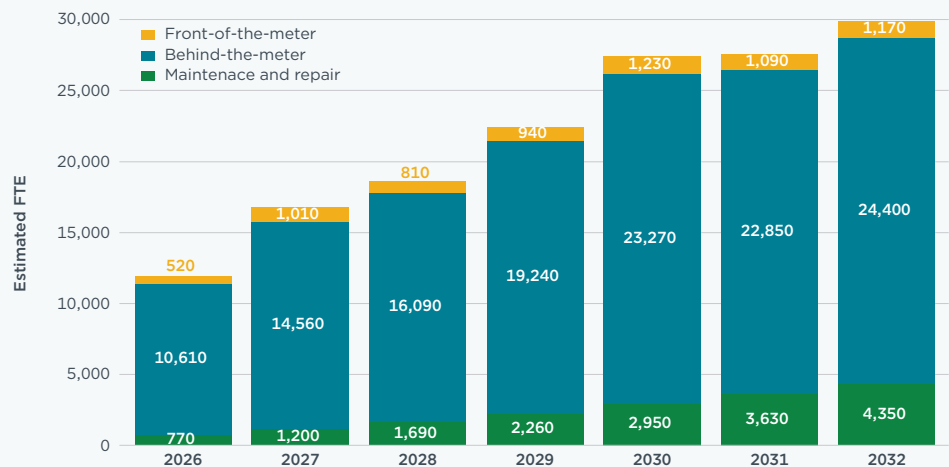
HOW EV TAX CREDITS COULD SPUR JOB GROWTH IN TRUCK CHARGING INFRASTRUCTURE

NATIONAL HIGHLIGHTS

- » In 2032, the ICCT projects that tax incentives (45W and 45X tax credits) could support adoption of over 1 million Class 4-8 zero-emission medium- and heavy-duty vehicles (MHDVs).
- » These vehicles could require over 633,000 chargers and 48 GW by 2032.
- » The associated infrastructure build-out would require an estimated minimum of 30,000 full-time equivalent (FTE) jobs.

Figure 1

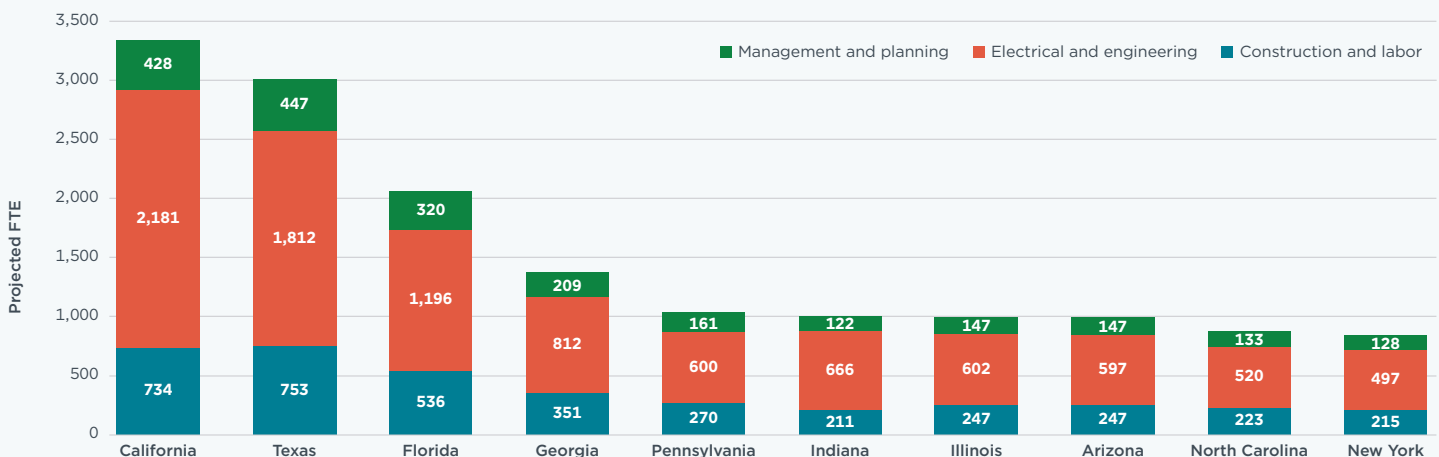
Projected medium- and heavy-duty vehicle infrastructure job demand from 2026 to 2032



Of total job demand in 2032, those in the electrical and engineering category make up 62%, construction and labor are 24%, and management and planning are 14%.

Figure 2

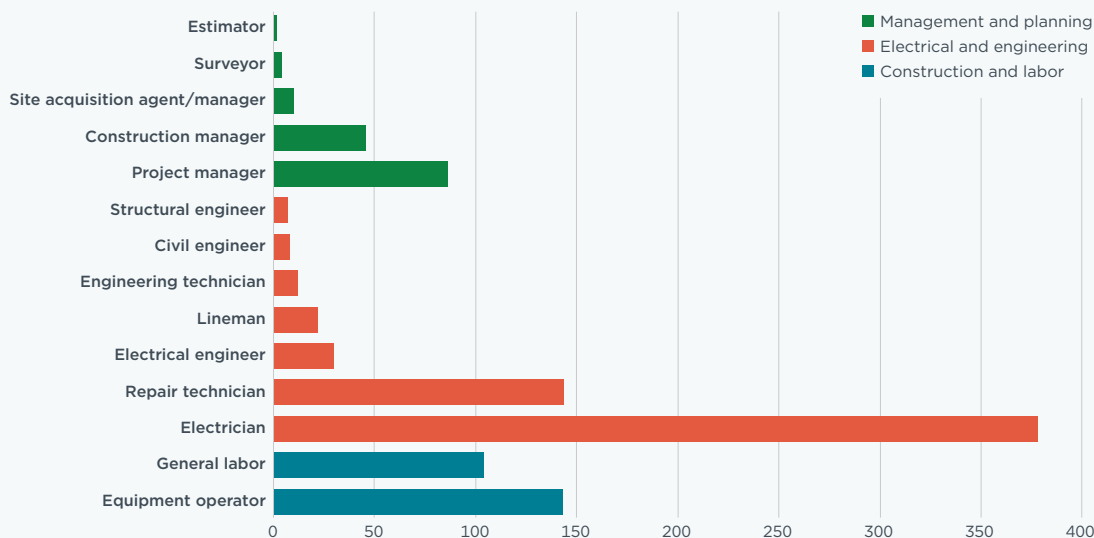
Top 10 U.S. states by job demand for charging and utility infrastructure, 2032



TRUCK CHARGING AND UTILITY INFRASTRUCTURE NEEDS FOR NEW JERSEY

Figure 3

Estimated job demand in New Jersey, 2032



New Jersey ranks 19th in terms of projected job demand from infrastructure build out.

In 2032, new infrastructure growth in New Jersey is projected to require a minimum of 574 FTE jobs.

The ICCT estimates New Jersey will require charging infrastructure totaling about 683 MW in nameplate capacity by 2032.

In terms of job demand, the top 5 counties are:

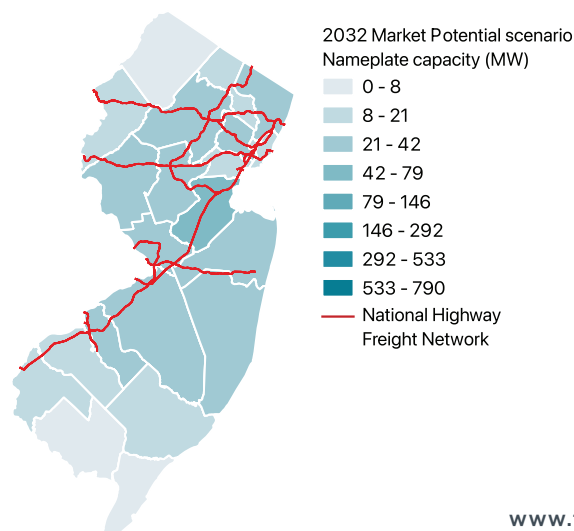
- » Middlesex County - 63 FTE
- » Bergen County - 45 FTE
- » Burlington County - 44 FTE
- » Morris County - 40 FTE
- » Monmouth County - 38 FTE

STATUS OF TRUCK CHARGING INFRASTRUCTURE IN NEW JERSEY

In September 2024, the New Jersey Department of Environmental Protection released “A Roadmap to Zero-Emission Medium- and Heavy-Duty Vehicles in New Jersey.”¹ This strategy addresses the requirements set forth in the state’s EV Law to establish electrification and infrastructure development goals for medium- and heavy-duty vehicles. Staff identified modeling MHDV charging needs and establishing a workforce development program as two near-term strategies for New Jersey to fully decarbonize the MHDV sector.

Figure 4

New Jersey charging infrastructure nameplate capacity, 2032



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1 Gilbert Bothman and Claire Sugihara, “A Roadmap to Zero-Emission Medium- and Heavy-Duty Vehicles in New Jersey,” (New Jersey Department of Environmental Protection, 2024), <https://dep.nj.gov/wp-content/uploads/drivegreen/pdf/mhd-roadmap.pdf>.