

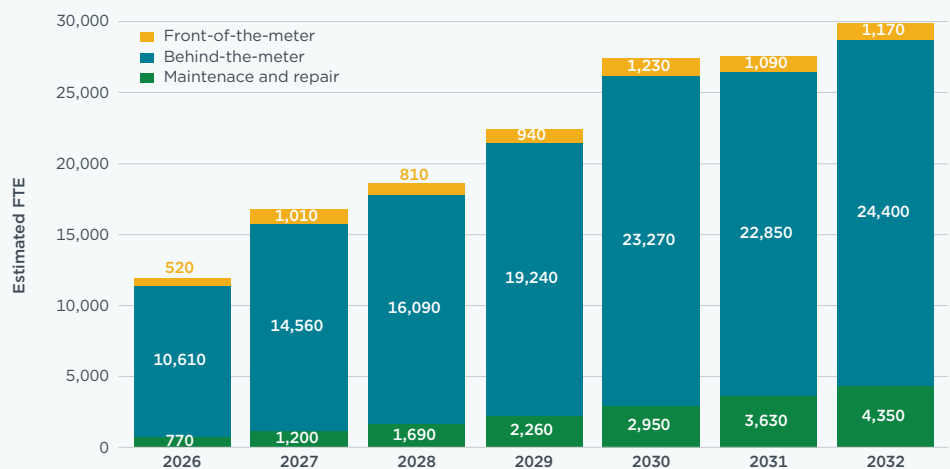
HOW EV TAX CREDITS COULD SPUR JOB GROWTH IN TRUCK CHARGING INFRASTRUCTURE

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

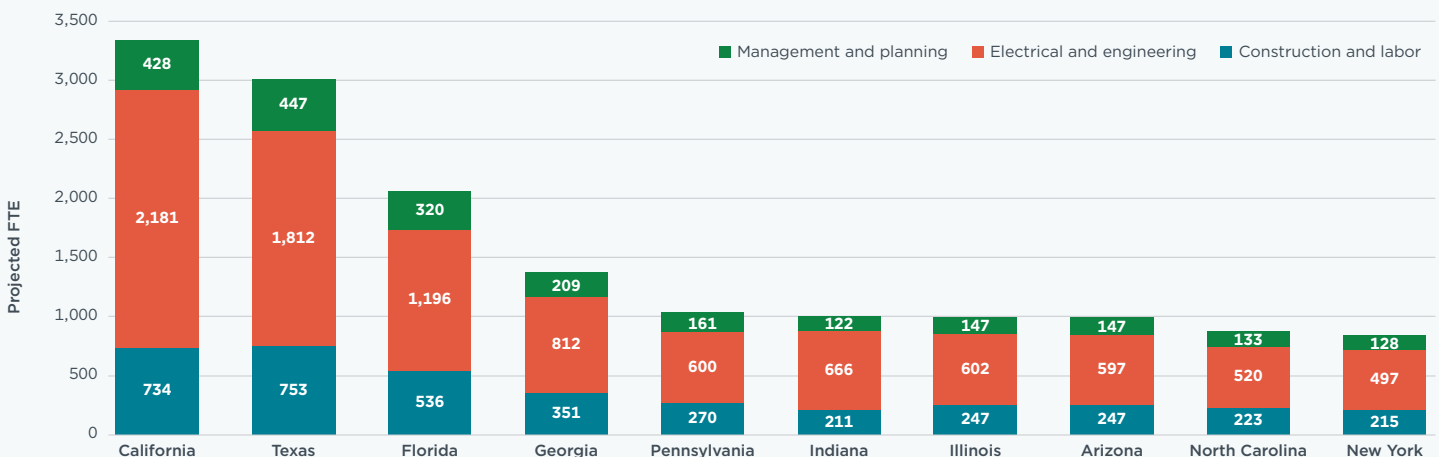
Projected medium- and heavy-duty vehicle infrastructure job demand from 2026 to 2032



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%.

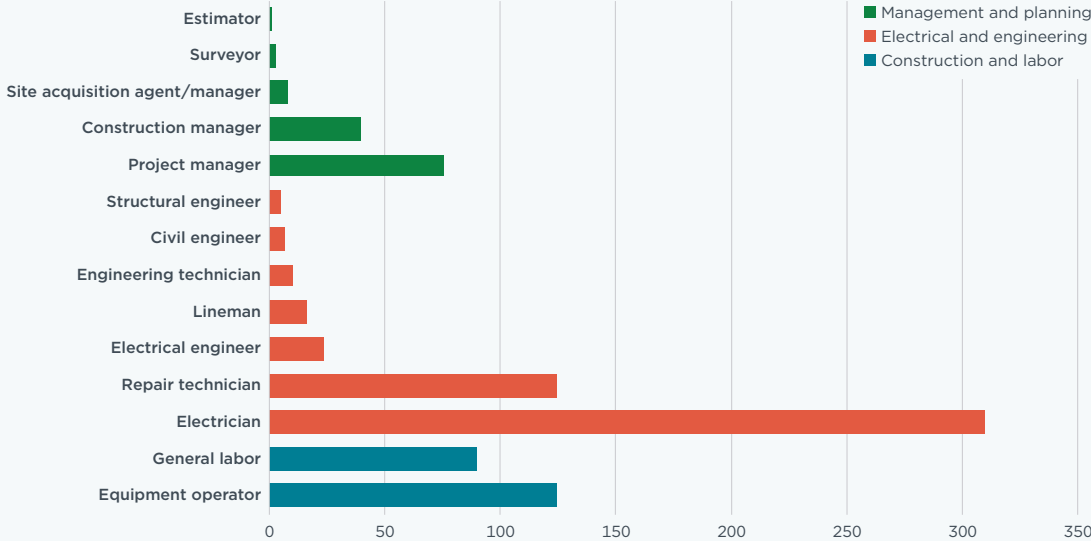
Figure 2

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



TRUCK CHARGING AND UTILITY INFRASTRUCTURE NEEDS FOR NEW YORK

Figure 3
Estimated job demand in New York, 2032



New York ranks 10th in terms of projected job demand from infrastructure build out.

In 2032, new infrastructure growth in New York is projected to require a minimum of 840 FTE jobs.

The ICCT estimates New York will require charging infrastructure totaling over 1 GW in nameplate capacity by 2032.

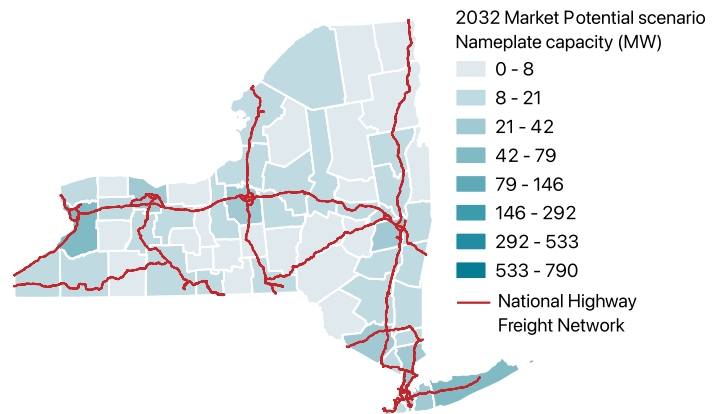
In terms of job demand, the top 5 counties are:

- » Suffolk County - 78 FTE
- » Erie County - 46 FTE
- » Queens County - 45 FTE
- » Westchester County - 41 FTE
- » Nassau County - 40 FTE

STATUS OF TRUCK CHARGING INFRASTRUCTURE IN NEW YORK

In August 2024, the Public Service Commission launched the Proactive Planning proceeding, directing the Joint Utilities to develop a framework for planning infrastructure needs driven by building and transportation electrification.¹ Proactive grid investments and charging infrastructure deployment can generate varying levels of job demand based on their location, timeline, project size, and grid hosting capacity.

Figure 4
New York charging infrastructure nameplate capacity, 2032



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1 Department of Public Service, "Commission Announces New Proactive Grid Planning Proceeding to Prepare New York's Electric Grid for Building and Vehicle Electrification," press release, August 15, 2024. <https://dps.ny.gov/news/commission-announces-new-proactive-grid-planning-proceeding-prepare-new-yorks-electric-grid>.