

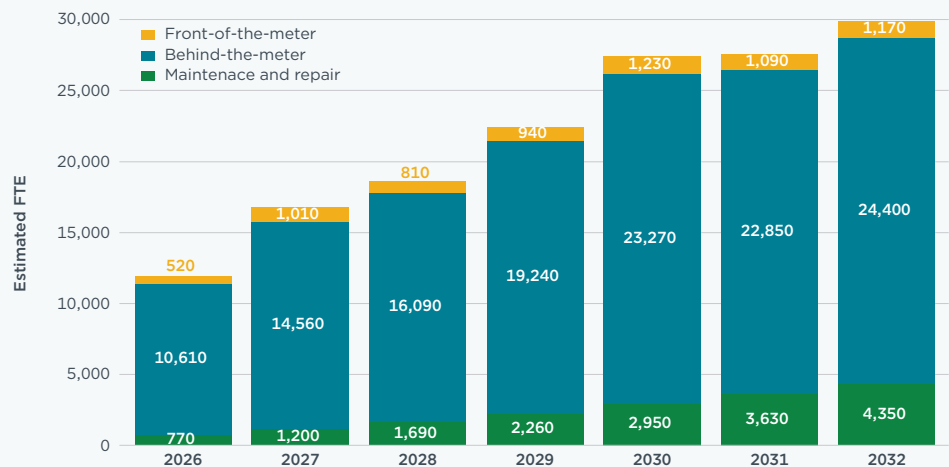
HOW EV TAX CREDITS COULD SPUR JOB GROWTH IN TRUCK CHARGING INFRASTRUCTURE

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

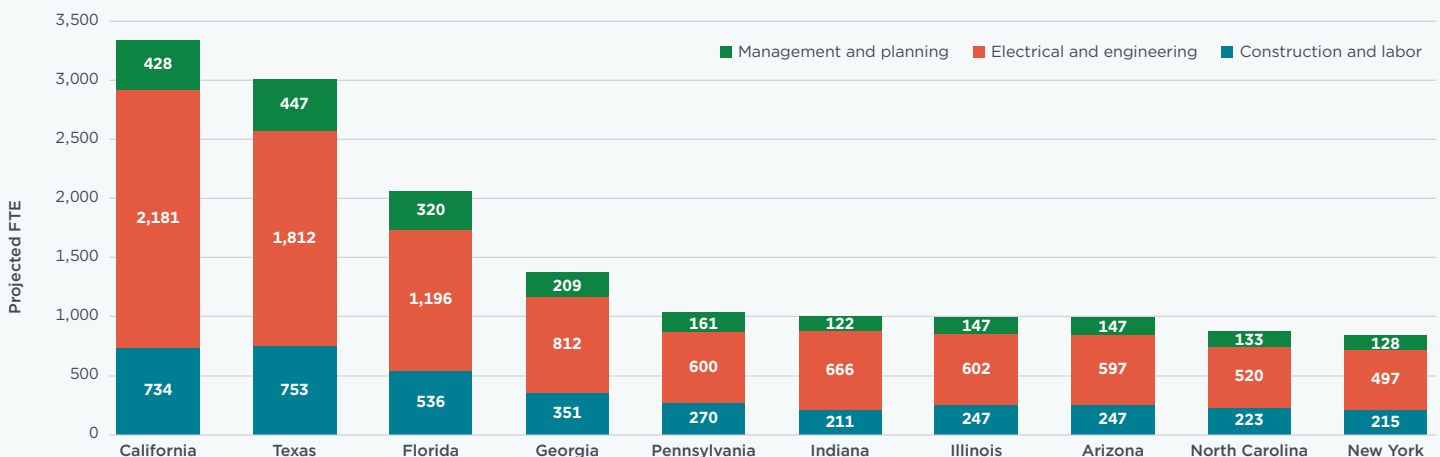
Projected medium- and heavy-duty vehicle infrastructure job demand from 2026 to 2032



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

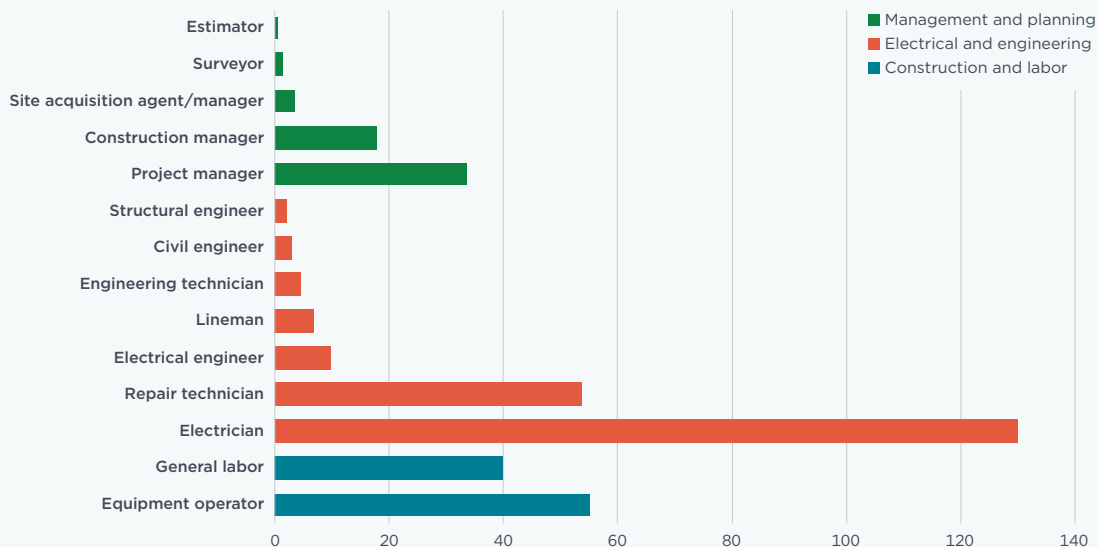
Top 10 U.S. states by job demand for charging and utility infrastructure, 2032



TRUCK CHARGING AND UTILITY INFRASTRUCTURE NEEDS FOR MARYLAND

Figure 3

Estimated job demand in Maryland, 2032



Maryland ranks 31st in terms of projected job demand from infrastructure build out.

In 2032, new infrastructure growth in Maryland is projected to require a minimum of 362 FTE jobs.

The ICCT estimates that Maryland will require charging infrastructure totaling about 429 MW in nameplate capacity by 2032.

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

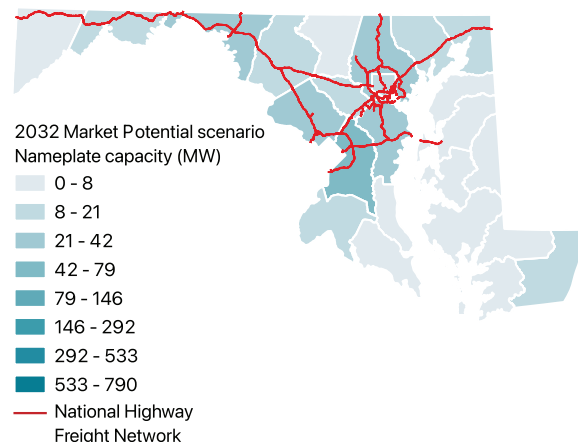
- » Prince George's County - 47 FTE
- » Baltimore County - 43 FTE
- » Montgomery County - 31 FTE
- » Anne Arundel County - 31 FTE
- » Howard County - 21 FTE

CURRENT STATE OF TRUCK CHARGING INFRASTRUCTURE IN MARYLAND

In October 2024, the U.S. Environmental Protection Agency's Clean Ports Program awarded the Port of Baltimore nearly \$150 million for charging infrastructure and electrical infrastructure upgrades to support the electrification of cargo handling equipment and drayage trucks.¹ Capital Logistics, a Baltimore-based trucking company, was awarded a grant of \$25 million to support the construction of Maryland's first truck charging facility. The future of these projects is uncertain due to a grant funding freeze.

Figure 4

Maryland charging infrastructure nameplate capacity, 2032



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¹ Ja Nai Wright, "All-Electric Trucking Fleet and Charging Station Coming to Baltimore," *WMAR 2 News Baltimore*, November 15, 2024, <https://www.wmar2news.com/local/all-electric-trucking-fleet-and-charging-station-coming-to-baltimore>.