

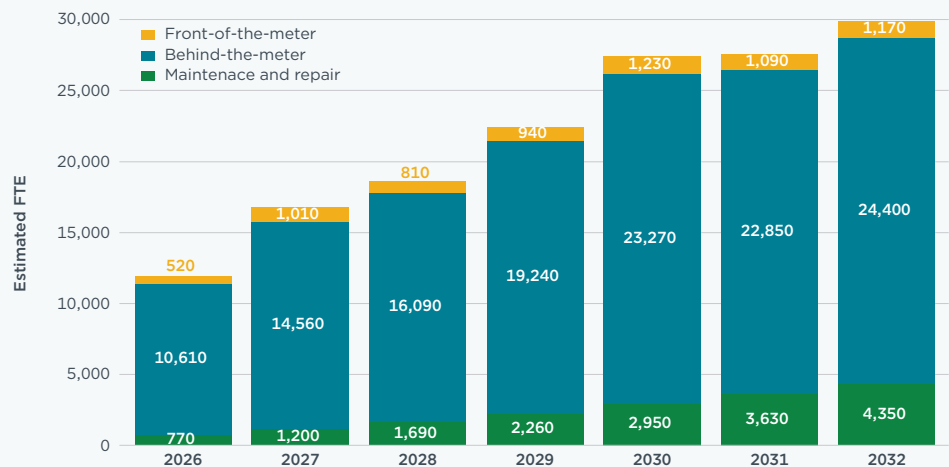
HOW EV TAX CREDITS COULD SPUR JOB GROWTH IN TRUCK CHARGING INFRASTRUCTURE

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

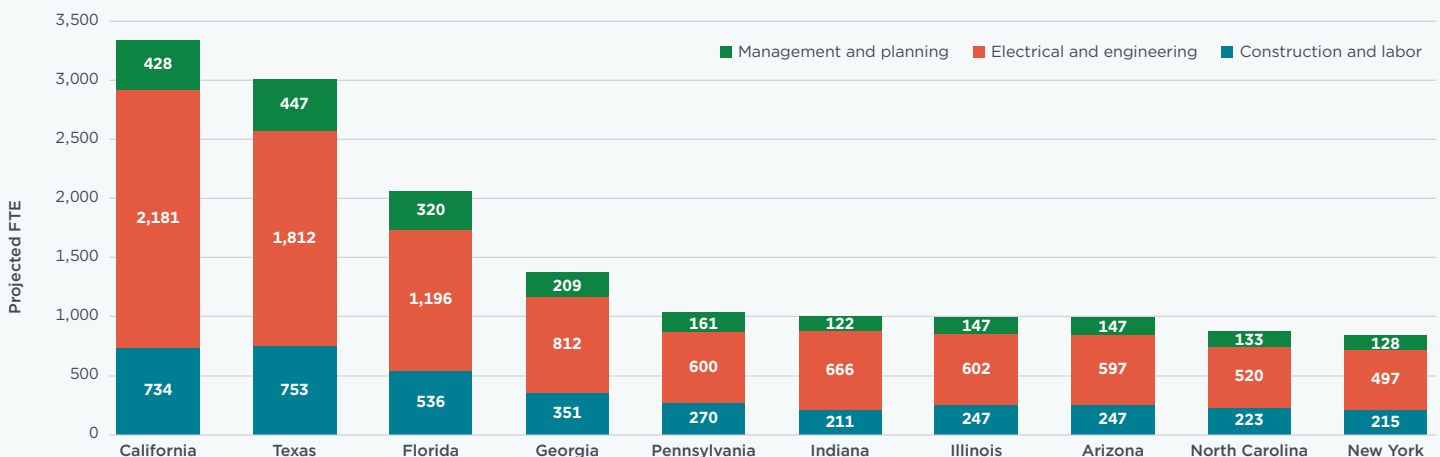
Projected medium- and heavy-duty vehicle infrastructure job demand from 2026 to 2032



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

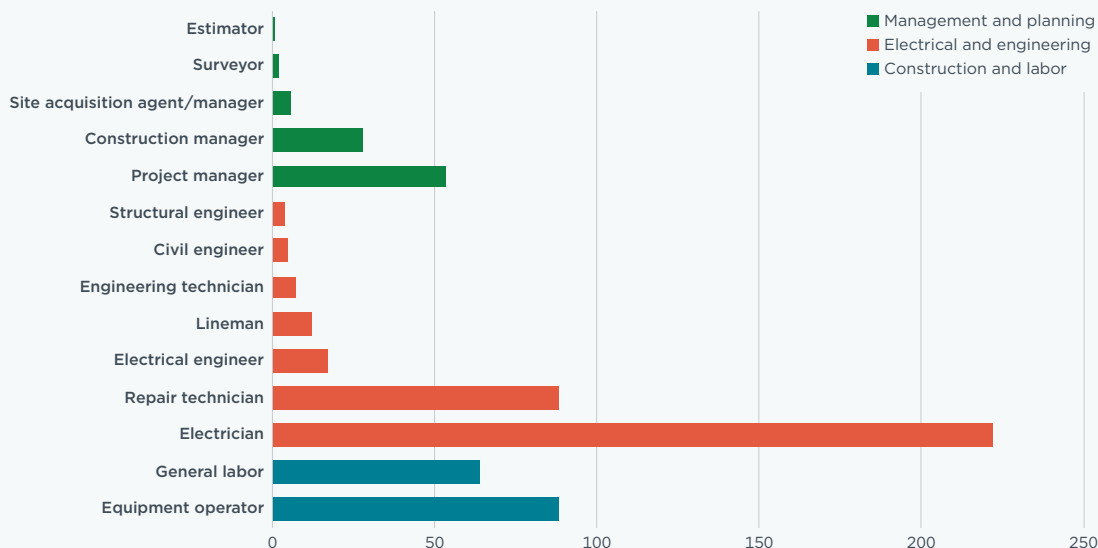
Top 10 U.S. states by job demand for charging and utility infrastructure, 2032



TRUCK CHARGING AND UTILITY INFRASTRUCTURE NEEDS FOR MINNESOTA

Figure 3

Estimated job demand in Minnesota, 2032



Minnesota ranks 17th in terms of job demand from infrastructure build out.

In 2032, new infrastructure growth in Minnesota will require a minimum of 600 FTE jobs.

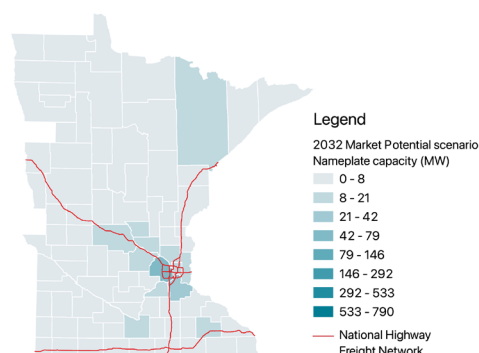
The ICCT estimates Minnesota will require charging infrastructure totaling about 828 MW in nameplate capacity by 2032.

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

- » Hennepin County - 93 FTE
- » Dakota County - 53 FTE
- » Ramsey County - 32 FTE
- » Anoka County - 32 FTE
- » St. Louis County - 29 FTE

Figure 4

Minnesota charging infrastructure nameplate capacity, 2032



STATUS OF TRUCK CHARGING INFRASTRUCTURE IN MINNESOTA

Minnesota Statute 216B.1615 established the Electric Vehicle Deployment Program, which orders public utilities to file transportation electrification plans at least every four years.¹ The plans are reviewed by the Public Utilities Commission to ensure they increase access to public charging options, support the electrification of medium- and heavy-duty vehicles and their charging infrastructure, and create high-quality jobs for local workers, among other things.

¹ Electric Vehicle Deployment Program, Minn. Stat. 216B.1615 (2023) <https://www.revisor.mn.gov/statutes/cite/216B.1615>.

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