

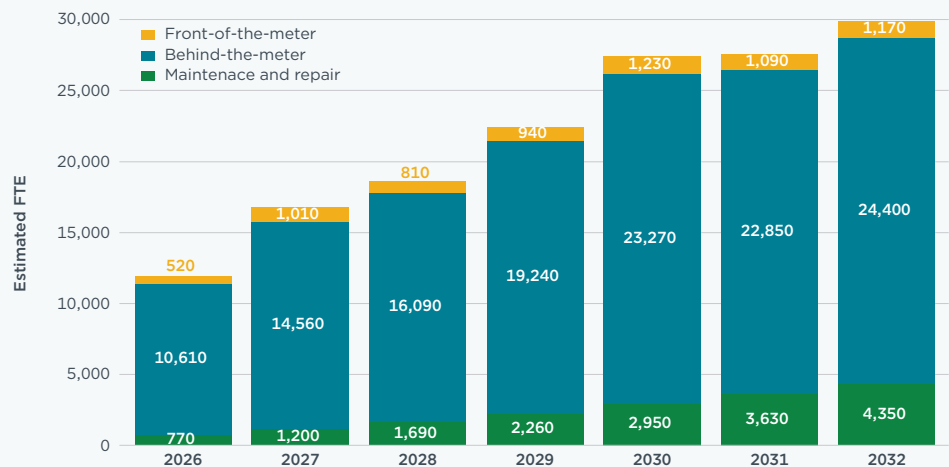
HOW EV TAX CREDITS COULD SPUR JOB GROWTH IN TRUCK CHARGING INFRASTRUCTURE

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

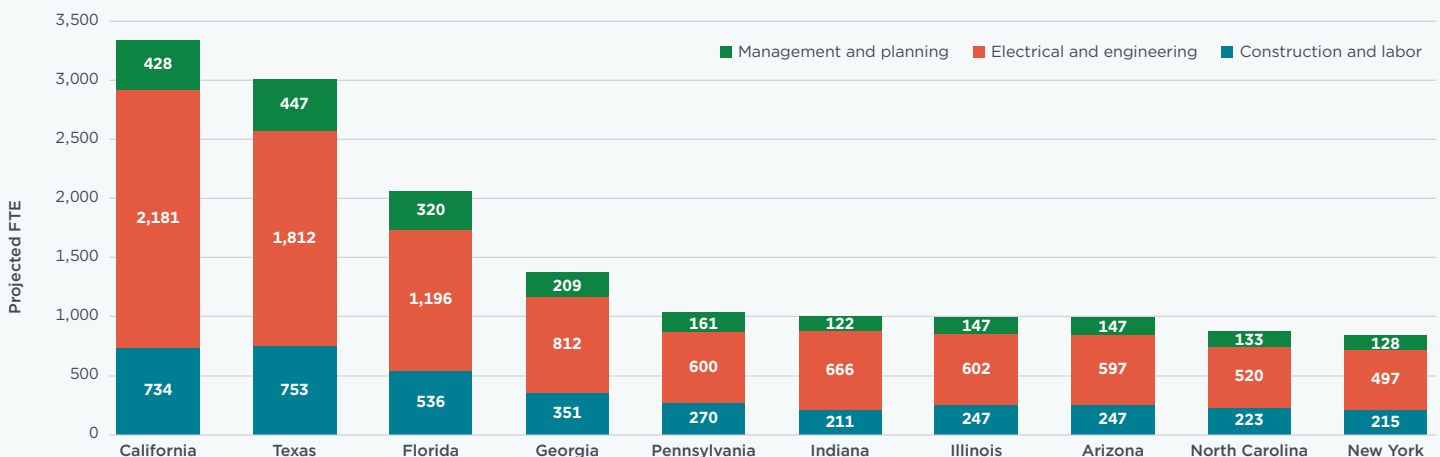
Projected medium- and heavy-duty vehicle infrastructure job demand from 2026 to 2032



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

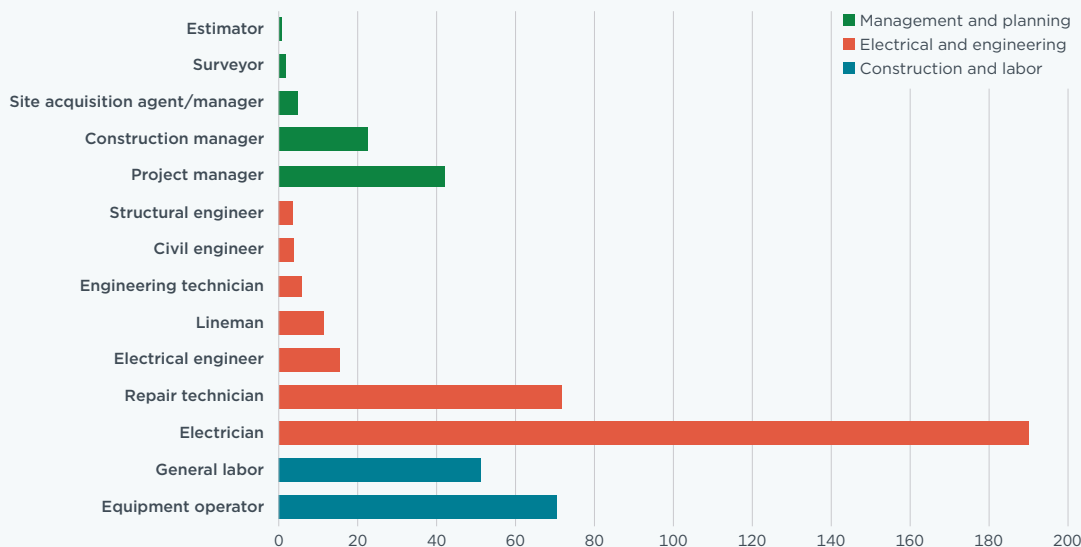
Top 10 U.S. states by job demand for charging and utility infrastructure, 2032



TRUCK CHARGING AND UTILITY INFRASTRUCTURE NEEDS FOR MICHIGAN

Figure 3

Estimated job demand in Michigan, 2032



Michigan ranks 23rd in terms of projected job demand from infrastructure build out.

In 2032, new infrastructure growth in Michigan is projected to require a minimum of 496 FTE jobs.

The ICCT estimates Michigan will require charging infrastructure totaling about 794 MW in nameplate capacity by 2032.

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

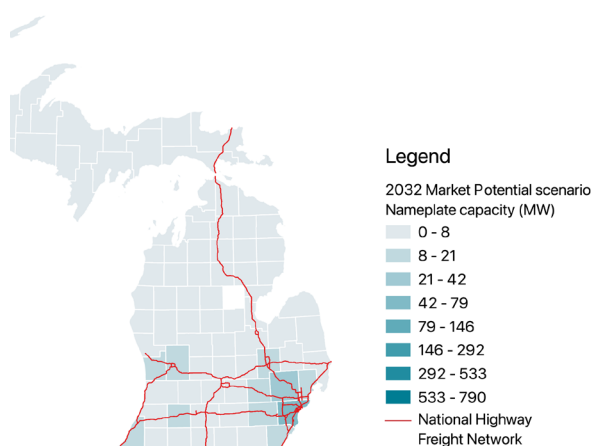
- » Wayne County - 74 FTE
- » Oakland County - 47 FTE
- » Macomb County - 30 FTE
- » Kent County - 28 FTE
- » Washtenaw County - 21 FTE

STATUS OF TRUCK CHARGING INFRASTRUCTURE IN MICHIGAN

In 2024, an executive directive was issued ordering state agencies to begin converting their fleets to zero-emission vehicles. The municipal medium- and heavy-duty fleet is to be fully converted to zero-emission by 2040. The Michigan Department of Environment, Great Lakes, and Energy received a \$4.4 million U.S. Environmental Protection Agency grant to purchase and deploy 15 electric refuse trucks and their charging infrastructure.¹

Figure 4

Michigan charging infrastructure nameplate capacity, 2032



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¹ Department of Environment, Great Lakes, and Energy, "Electric Recycling Trucks to Replace Diesel Fleet in Southeast Michigan, Delivering Cleaner Air, Lowering Costs and Supporting Communities," press release, December 12, 2024, <https://www.michigan.gov/egle/newsroom/press-releases/2024/12/12/electric-recycling-trucks>.