

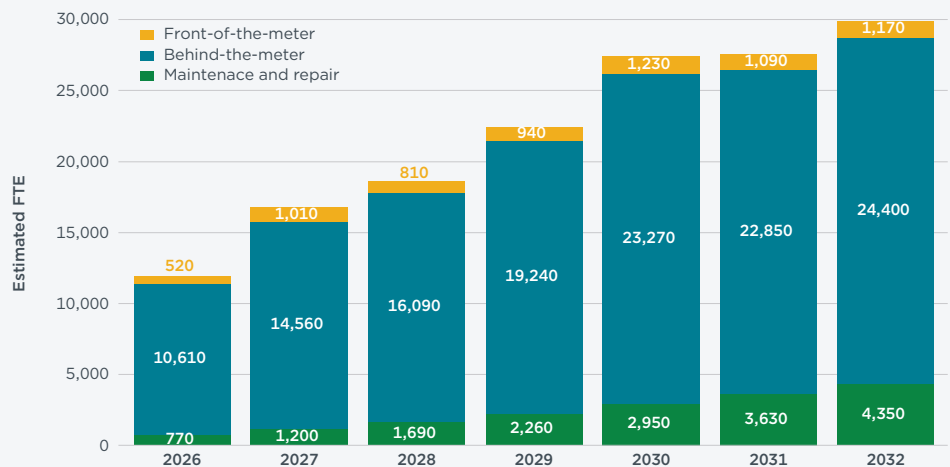
HOW EV TAX CREDITS COULD SPUR JOB GROWTH IN TRUCK CHARGING INFRASTRUCTURE

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

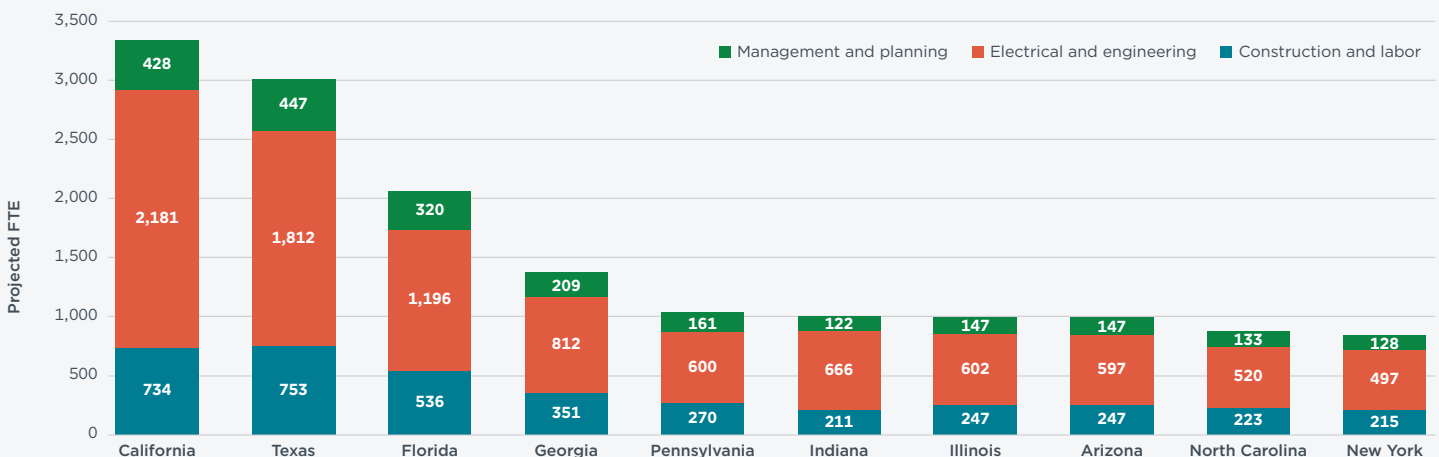
Projected medium- and heavy-duty vehicle infrastructure job demand from 2026 to 2032



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%.

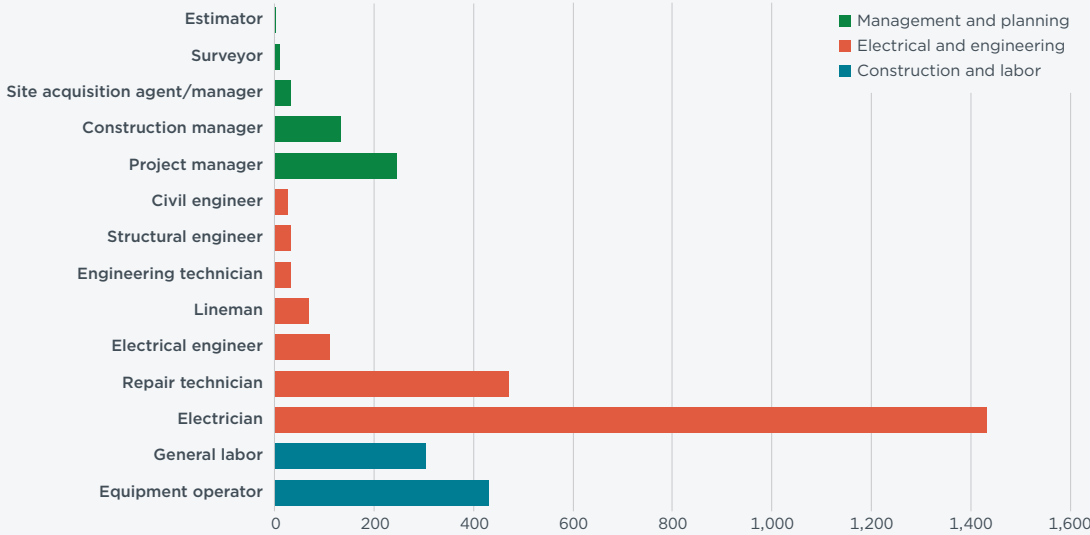
Figure 2

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



TRUCK CHARGING AND UTILITY INFRASTRUCTURE NEEDS IN CALIFORNIA

Figure 3
Estimated job demand in California, 2032



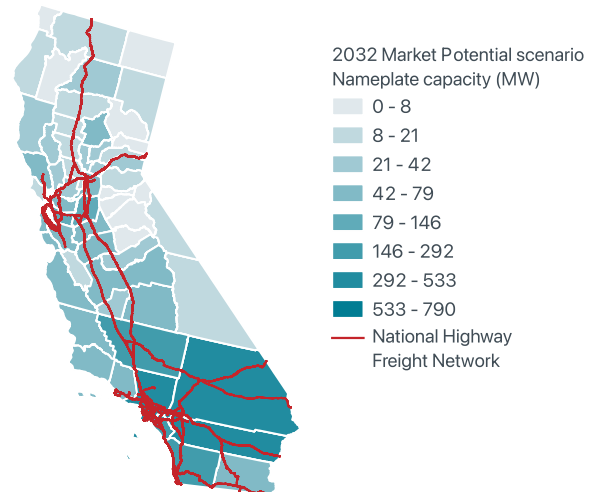
- » California ranks 1st in terms of projected job demand from infrastructure build-out.
- » In 2032, new infrastructure growth in California is projected to require a minimum of 3,340 FTE jobs.
- » The ICCT estimates that California will require charging infrastructure totaling over 5.7 GW in nameplate capacity by 2032.

- » In terms of job demand, the top 5 counties are:
 - » Los Angeles County - 493 FTE
 - » Riverside County - 383 FTE
 - » San Bernardino County - 306 FTE
 - » San Diego County - 255 FTE
 - » Kern County - 173 FTE

CURRENT STATE OF TRUCK CHARGING INFRASTRUCTURE IN CALIFORNIA

- » California's vehicle and energy policies have propelled the state's adoption of zero-emission MHDVs. The state leads the country in the deployment of truck charging infrastructure with more than 16,000 charging and hydrogen fueling ports installed.¹ The design and construction of these charging facilities have contributed to job growth and economic development, and additional charging projects are in development.

Figure 4
California charging infrastructure nameplate capacity, 2032



www.theicct.org

communications@theicct.org

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¹ California Energy Commission, "New Medium- and Heavy-Duty Zero-Emission Vehicle Dashboard Showcases Over 16,000 Charging and Fueling Points in California," press release, February 20, 2025, <https://www.energy.ca.gov/news/2025-02/new-medium-and-heavy-duty-zero-emission-vehicle-dashboard-showcases-over-16000>.