

Empowering Tomorrow: Leading the Charge in EV and Energy Infrastructure Integration

The U.S. Energy Information Administration (EIA) states that the average retail price of electricity in the United States has been steadily increasing, with some areas of the country seeing a 60% increase most recently. The upward trend emphasizes the need for the industry to invest in sustainable and cost-effective alternatives like the utilization of renewable energy, energy efficiency measures, and future-proofing designs.



ENERGY EFFICIENCY MEASURES

Up to \$100,000 Tax Credit

Developers can achieve a tax credit of up to \$100,000 for installing charging equipment in their project through the Inflation Reduction Act. **With the projection of electric cars representing 30% of new cars by 2030**, EV equipment is a must and will need to utilize load management that can move power around the building where it's needed but also able to prevent overloads.

EV infrastructure can also assist with making the building more energy efficient by optimizing charging times based on electricity rates and reducing overall energy consumption.

~30% Investment Tax Credit

The ITC is a federal tax credit that reduces your tax liability by a percentage of your commercial solar installation costs. The Inflation Reduction Act solar tax credit is worth 30% of your total project costs.

There are currently 27 states across the country and the District of Columbia who have 100% clean electricity targets, deep greenhouse gas targets, or municipal mandates that could see you needing to utilize more solar installations soon. The solar tax credits will begin to phase down in 2024.



UTILIZATION OF RENEWABLE ENERGY



FUTUREPROOFING DESIGNS

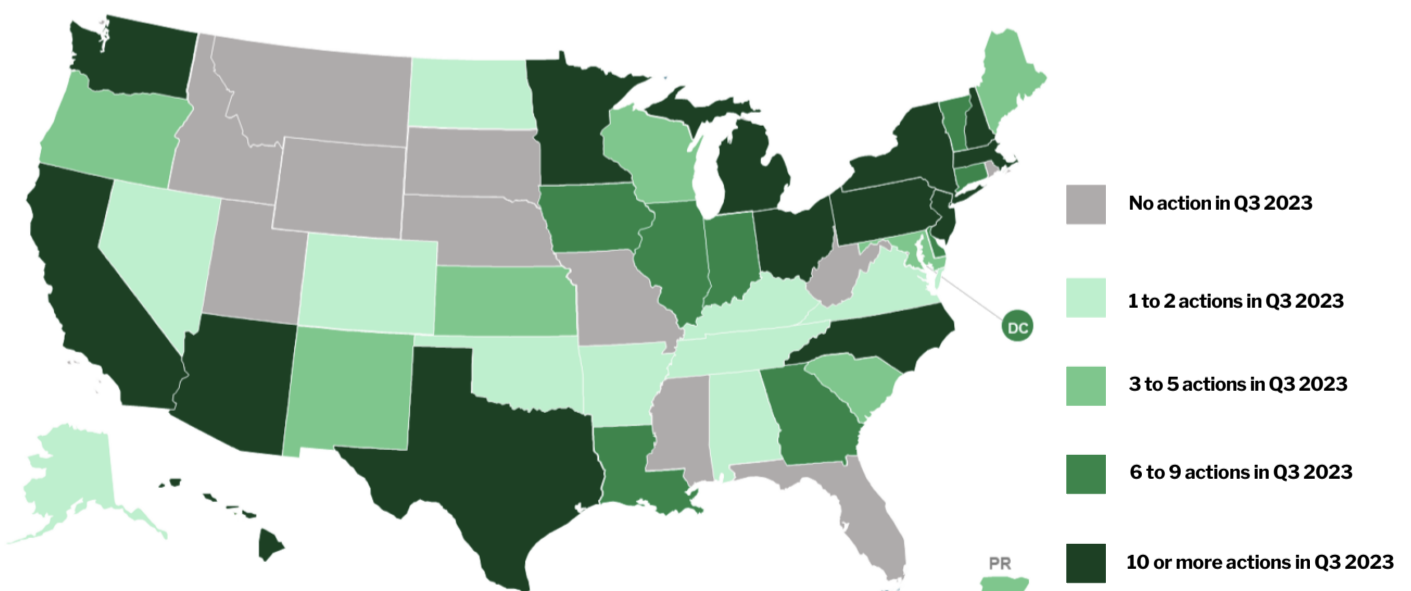
2X Higher Cost to Retrofit

Retrofitting a building to comply with EV infrastructure requirements could cost up to two times the cost than including the infrastructure within the preconstruction process.

Futureproofing the building with smart chargers allows the addition of 50, 100, 200+ chargers as markets continue to grow, but without costly future upgrades.

ACROSS THE COUNTRY

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Electricity prices in the US increased by 14.3% on average in 2022, some regions up to 60%

430 Electric Vehicle Legislative Actions

Across the country between July through September 2023, a total of 430 electric vehicle actions were taken with the most active states being Massachusetts, New York, New Jersey, California, Minnesota, North Carolina, and Hawaii. So far in 2023, 29 states have enacted legislation related to transportation electrification and it will increase in 2024 making all-things EV related enticing deals. From integrating a future-proofed electrical infrastructure and EV chargers to providing cutting edge solar hardware and battery storage solutions, Power Design can help our clients welcome in the new era of construction focused on sustainable energy solutions.

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