Electric Vehicle Charging Stations

Why You Should Include Them On Your Next Project

"Electric vehicle charging has become a pre-requisite for any Class A development. Tenants and residents insist that EV charging is available at our properties and we expect that trend to continue to increase rapidly."

Anthony Smithson,
Associate Director
Development, Grubb Ventures

Electric vehicle (EV) infrastructure is becoming a necessity for Raleigh residents and visitors.

By 2040, the number of electric vehicles (EVs) is expected to increase to **55 percent of new car sales** in the United States and EVs are expected to comprise **33 percent of vehicles on the road** nationwide. Imagine that **more than half of the drivers** in Raleigh, including your employees, customers and community partners, will need access to electric vehicle charging stations.

You can save money, time and resources by including EV infrastructure planning in your development project. By doing so, you can also support the Raleigh community in being more clean, green, and accessible for everyone.

For more information email ***Bradley.Kimbrell@raleighnc.gov*** *or visit the US Department of Energy's Alternative Fuels Data Center at* ***afdc.energy.gov/fuels/electricity_infrastructure.html***

Why Install EV Charging Stations?

- Attract and retain residents, customers, and employees
- Increase the property value, potential rent, and generate revenue
- Differentiate your product or business
- Meet new and emerging standards
- Achieve sustainability goals

Level	Charge Time	Uses	Cost
Level 1	10-20 Hours	Residential, long-term parking, workplaces	**Unit:** $300 - $1,500 **Installation:** $0 - $3,000
Level 2	1-3 Hours	Residential, workplace, commercial, on-street parking	**Unit:** $400 - $6,500 **Installation:** $600 - $12,700
DC Fast Charger	Under 30 Minutes	Major transportation corridors, commercial, on-street parking	**Unit:** $10,000 - $40,000 **Installation:** $4,000 - $51,000

6x
It is six times more expensive to retrofit a site for EV chargers than it is to install it upfront.

81%
Total EV Sales in the U.S. increased by 81 percent in 2018 compared to 2017.

1,600
Wake County is projected to need 1,600 level-2 charging stations outside of residences by 2030.

raleighnc.gov/transportation

Raleigh Transportation