Santa Fe County
SUSTAINABILITY

Santa Fe County Offering Free Assistance for Businesses Interested in Electric Vehicle Chargers

More and more people are buying electric cars. They are looking for grocery stores where they can plug in while they shop or gyms where they can charge while they exercise. They are looking for hotels where they can charge overnight.

Installing an electric vehicle (EV) charger at your business will give you the edge over your competitors. One 2017/2018 study showed EV drivers spend on average 35% more time in retail locations, and they select their shopping locations based on where they can charge their EVs easily and efficiently. A survey conducted by Travelocity showed that being a green hotel is important and influential in the decisions of potential guests. According to Bloomberg New Energy Finance, electric vehicles will cost the same as conventional vehicles by 2024. Do not let your business get caught flat footed.

Ballpark EVSE Unit and Installation Costs

EVSE Type	EVSE Unit* Cost Range (single port)	Average Installation Cost (per unit)	Installation Cost Range (per unit)
Level 1	$300-$1,500	not available	$0-$3,000** *Source: Industry Interviews*
Level 2	$400-$6,500	-$3,000 *EV Project (INL 2015b)*	$600-$12,700 *EV Project (INL 2015b)*
DCFC	$10,000-$40,000	-$21,000 *EV Project (INL 2015d)*	$4,000-$51,000 *EV Project (INL 2015d) and (OUC 2014)*

The New Mexico Environment Department will soon release a grant application for funding that will cover up to 80% of the cost to purchase, install, and maintain electric vehicle charging equipment. There are three types of electric vehicles chargers detailed below with carrying cost ranges. The Santa Fe County Office of Sustainability is here to help. Contact Neal Denton, Sustainability Specialist, at (505) 992-9832 or ndenton@santafecountynm.gov for assistance with demystifying this process, determining the right electric vehicle charger to meet your needs, and writing the grant application.

Charging Level	Vehicle Range Added per Charging Time and Power	Supply Power
AC Level 1	4 mi/hour @ 1.4kW 6 mi/hour @ 1.9kW	120VAC/20A *(12-16A continuous)*
AC Level 2	10 mi/hour @ 3.4kW 20 mi/hour @ 6.6kW 60 mi/hour @ 19.2 kW	208/240VAC/20-100A *(16-80A continuous)*
DC Fast Charging	24 mi/20minutes @24kW 50 mi/20minutes @50kW 90 mi/20minutes @90kW	208/480VAC 3-phase *(input current proportional to output power; ~20-400A AC)*