



SUSTAINABLE TRANSPORTATION

ACTION

ST-4 Install electric vehicle charging infrastructure needed to support County staff vehicles.



DESCRIPTION OF ACTION

While the County currently has infrastructure in place for fleet and public charging, there are no stations dedicated for employee use. Installing electric charging infrastructure can encourage employees to make the transition to electric vehicles, knowing there is charging available at the workplace.

LEAD DEPARTMENT

Real Property Management

OVERALL TIMEFRAME

Medium

SHORT = Less than 1 year
MEDIUM = 1 - 3 years
LONG = 3 years or more

Planning Considerations

IMPLEMENTATION STEPS	TIMEFRAME	KEY PARTNERS
<p>1 Survey employees to identify need and prioritize locations for immediate or future installations.</p>	<p>SHORT</p>	<ul style="list-style-type: none"> Environment & Sustainability Human Resources
<p>2 Design a workplace charging management plan and policy, considering needs for payment, parking enforcement and/or restricting access for EVs and non-EVs, allowable duration of use, etc.</p>	<p>SHORT</p>	<ul style="list-style-type: none"> NV Energy or applicable electricity co-op Automotive Services
<p>3 Determine siting and electrical needs at selected locations, as well as software capabilities. Evaluate utility costs, rates, and rebates.</p>	<p>MEDIUM</p>	<ul style="list-style-type: none"> NV Energy or applicable electricity co-op Automotive Services
<p>4 Seek capital funding or grant funding. Install stations.</p>	<p>MEDIUM</p>	<ul style="list-style-type: none"> Finance Automotive Services
<p>5 Launch employee engagement campaign and enroll EV drivers in EVSE access program.</p>	<p>MEDIUM</p>	<ul style="list-style-type: none"> Environment & Sustainability Automotive Services

FINANCIAL AND TECHNICAL RESOURCES

FINANCIAL

- [EV Charging Station Incentives Program Handbook \(2020\), NV Energy](#)
- [EV Custom Grant Program, NV Energy](#)
- [Nevada Laws and Incentives, US Department of Energy](#)
- [EV Charging Station Solutions, Climate Mayors](#)

TECHNICAL

- [Workplace Charging for Plug-In Electric Vehicles, US Department of Energy](#)
- [Workplace Charging at Federal Facilities, US Department of Energy](#)
- [Clean Cities Technical Assistance, US Department of Energy](#)
- [Alternative Fuels Data Center, US Department of Energy](#)
- [Resources: Electric Vehicle Purchasing Collaborative, Climate Mayors](#)

CONSIDERATIONS FOR COLLABORATION/ OVERCOMING BARRIERS

- Review sample surveys and policies, siting guidance, and other resources that are readily available online.
- Contact utilities early about potential partnerships. Seek technical and financial support. Ask to sub-meter or separately meter EVSE where cost-savings, rebates, or special EV programs apply.
- Ensure new construction, renovation, electrical system upgrades, and parking lot updates include accommodations for future EVSE (i.e., ensuring appropriately-sized circuits, running conduit).
- Assign clear ownership of EVSE assets to one department to ensure proper maintenance, safety, and warranty coverage.
- EVSE purchases often have volume discounts. Purchases can be through a collaborative, or a request for bids or proposal based on County-selected specifications.
- Installation can be performed in-house or by any licensed commercial electrician, and projects should be inspected for code compliance, safety, and workmanship.
- At County facilities with few employees, existing or new exterior 120V wall outlets may be adequate for near-term EV charging demand. Ports underutilized by the public could be repurposed for or shared with staff during business hours.

MEASURING SUCCESS

OUTPUTS*

- EV ports available for County staff use

OUTCOMES*

- Increase in number of County staff reporting driving an EV
- Employee commute emissions reduced from baseline

*An **output** describes what has been created through implementation of the action. An **outcome** is the level of performance or achievement that occurred based on what was created.