

ITEM #:	18
DATE:	12-16-25
DEPT:	ELEC

COUNCIL ACTION FORM

SUBJECT: LEVEL 3 ELECTRIC VEHICLE CHARGING STATIONS

BACKGROUND:

Ames Electric Services has standardized the City-owned electric vehicle (EV) chargers by utilizing ChargePoint equipment to ensure consistency in operation, maintenance, and reporting. **Electric Services currently manages 11 total ChargePoint electric vehicle charging stations with a total of 20 ports throughout Ames.**

To support growing EV adoption and improve charging accessibility, **the department has decided to add two additional level 3 charging stations near the intersection of Grand Ave and Lincoln Way, located in the Hy-Vee Fast & Fresh NW parking lot.** Staff has identified this location because of its high visibility, proximity to downtown, and support of the local shopping center. All stakeholders were involved in the planning process and approved the project. This charger will charge 25% faster than the City's existing Level 3 charger located at Dayton and Highway 30, and 10 times faster than the City's existing Level 2 chargers.

Staff is recommending purchasing directly from Carbon Day, a long-time partner of ChargePoint and the City's station liaison for charger repair and support. Maintaining consistency with existing charging stations will continue to allow for prompt station service, accurate reporting, and ease of use. **The costs for this project are shown in Table 1, below:**

Table 1: Cost Breakdown

Description	QTY	Price Per Station	Total
80 kW 1 CCS1-250A and 1 NACS 250A Cable	2	\$37,810	\$75,620
5-year CPE280 Prepaid Enterprise Cloud Plan	2	\$5,400	\$10,800
On-Site Validation of CPE280 Station	2	\$1,230	\$2,460
CPE280 5-year Parts and Labor Warranty	2	\$10,450	\$20,900
Concrete Mounting Template	2	\$0	\$0
Initial Station Activation and Configuration	2	\$249	\$498
Lug Nut for Mounting of Station	2	\$49	\$98
Shipping	2	\$1,500	\$3,000
Total Tax			\$7,936.32
Total Cost Before Installation			\$121,312.32

Funds for this project will come from the Electric Vehicle Infrastructure Capital Improvements Program, where there is \$356,459 available for these chargers.

ALTERNATIVES:

1. Waive the Purchasing Policies and Procedures requirement for formal bidding procedures and award a contract to Carbon Day EV Charging , Wheeling, Illinois, for the purchase of 2 - Level 3 EV charging stations in the amount of **\$121,312.32**.
2. Delay the purchase of the chargers and solicit bids from other companies.

CITY MANAGER'S RECOMMENDED ACTION:

As part of the Climate Action Plan, Electric Services supports the conversion of internal combustion engine vehicles to electric vehicles. A primary concern of potential EV customers is to ability to charge quickly and affordably at convenient locations. A Level 3 charger at the corner of Lincoln Way and Grand meets all those requirements. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as stated above.

ATTACHMENT(S):

[City of Ames Sourcewell 04221-CPI Quote CPE280 With Tax X 12.4.2025.pdf](#)