

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda
Bids and Proposals

TO: President and Village Board of Trustees
FROM: Scott Niehaus, Village Manager
DATE: June 6, 2023 Agenda Date: June 15, 2023
TITLE: Electric Vehicle Charging Infrastructure Purchase
SUBMITTED BY: Carl Goldsmith, Director of Public Works 

RESULTS:

Date Bids Were Published X Bidding Closed X
Total Number of Bids Received 1
Total Number of Bidders Meeting Specifications 1
Bid Security Required Yes X No
Performance Bond Required Yes X No
Were Any Bids Withdrawn Yes X No

Explanation:

Waiver of Bids Requested? X Yes No
If yes, explain: Purchase through Sourcwell Cooperative Purchasing Program (contract #042221-CPI).
Award Recommended to Lowest X Yes No
Responsible Bidder?
If no, explain:

FISCAL IMPACT:

Amount of Award: \$28,044.00
Funding Source: 430.710.720.75620

BACKGROUND/RECOMMENDATION:

See attached memorandum.

Has Recommended Bidder Worked for Village Previously Yes X No
If yes, was quality of work acceptable Yes No
Was item bid in accordance with Public Act 85-1295? Yes X No
Waiver of bids - Public Act 85-1295 does not apply X Yes

REVIEW (as needed):

Village Attorney XX _____ Date _____
Finance Director XX _____ Date _____
Village Manager XX _____ Date _____

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 4:30 pm, Wednesday, prior to the Board Agenda distribution.



June 6, 2023

TO: Village President and Board of Trustees

FROM: Carl Goldsmith, Director of Public Works *g*

SUBJECT: EV Charging Station Purchase •

Background

The Village of Lombard has received grant funding for energy efficiency programs. These funds are being used to further the Village's preparation for expansion of electric vehicle (EV) charging infrastructure. The two grant funding sources and proposed purchases are summarized below:

U.S. Department of Energy - Energy Efficiency & Conservation Block Grant (EECBG) Program

The DoE grant is available either as a Formula Grant or Competitive Grant. The Village has received a Formula Grant, which was based upon cities with a population greater than 35,000 OR in the top 10 highest populated cities in the state. As a result, Lombard has been allocated \$76,200 to be used for the following purposes:

1. Strategy Development
2. Technical Consultant Services
3. Building Energy Audits
4. Financial Incentive Programs
5. Energy Efficiency Retrofits
6. Energy Efficiency and Conservation Programs for Buildings and Facilities
7. Development and Implementation of Transportation Programs
8. Building Codes and Inspections
9. Energy Distribution Tech. for Energy Efficiency
10. Material Conservation Programs
11. Reduction and Capture of Methane and Greenhouse Gases
12. Traffic Signals and Street Lighting
13. Renewable Energy Technologies on Government Buildings
14. Programs for Financing, Purchasing, and Installing Energy Efficiency, Renewable Energy, and Zero Emission Transportation (and associated infrastructure) Measures

The Village has chosen to apply these grant funds toward the purchase of a dedicated EV charging station and purchase of an EV work van to replace an internal combustion engine (ICE) vehicle currently set for replacement in the Village's Vehicle Reserve Fund. The selected vehicle is a Ford E-Transit. The charging station will be a single wall mounted unit that will be installed in the Underground Utilities building and not available for use by the public. The costs of the purchases can be found in the table on page 2 of this memo.

Metropolitan Mayors Caucus Powering Safe Communities Grant

The *Powering Safe Communities Grant Program*, is a partnership between ComEd and the Metropolitan Mayors Caucus, which supports local municipal and public safety initiatives. These grants support

projects designed to increase public safety, reduce carbon emissions and improve community resiliency. The Village has been awarded \$10,000 that can be used to reimburse the Village for installation of EV charging infrastructure. The Village will use the grant funds to partially fund the installation of two EV charging stations. One dual head pedestal unit will be installed in the Public Works Yard to accommodate future EVs. This will not be available to the public. The second unit will be a dual head pedestal mounted unit that will be installed in the East Lot of the Village Hall and will be available during certain hours to the public. The Village will need to determine if it will require the public to pay for charging or if the charging is at no cost. This EV charging station can be programmed to charge only after a certain amount of time to discourage people from leaving their vehicle on the charger.

The Village has reviewed multiple suppliers and has determined that the ChargePoint equipment is most suited for the Village's needs. This equipment is available through the Sourcewell Cooperative Purchasing Program (contract #042221-CPI). The local distributor under the Sourcewell contract is Carbon Day EV Charging from Wheeling, IL. The purchase of equipment does not include the installation, which will be conducted by Village staff and qualified installers.

Installation Location	Model Number	Cost
Underground Utilities Building	ChargePoint CPF50-L18-WALLMNT-CMK6	\$5,069.00
Public Works Yard	ChargePoint CPF50-L18-PEDMNT-CMK6-Dual	\$10,099.00
Village Hall East Lot	ChargePoint CT-4021	\$13,776.00
Total Charging Station Equipment Purchase		\$28,944.00

In addition to the EV charging infrastructure, the Village has identified a purchase price of \$60,000 for the purchase of the Ford E-Transit, which will be purchased under a separate action of the Village Board. In total the Village has received funding commitments for the two grants in the total amount of \$86,200.00. Once the purchase(s) are made, staff will submit the required applications for reimbursement for the two grant programs.

Staff respectfully requests that this item be placed on the Village Board agenda for the June 15, 2023 Village Board meeting.

Recommendation

Staff recommends that the Village Board of Trustees authorize the Village Manager to execute proposal(s) in the amount of \$28,944.00 with Carbon Day EV Charging for the purchase of EV charging infrastructure.

QUOTE

April 28, 2023

Mr. Carl Goldsmith
Village of Lombard
255 E Wilson Ave
Lombard, IL 60148
630-620-5740

goldsmithc@villageoflombard.org



CPF50 single wall mounted Fleet Station with 5 years Parts and Labor Warranty
18' Cable with Cable Management Kit
REFERENCE: Sourcewell Pricing

Model Number	Description	QTY	Price Per Station	Total Price
ChargePoint CPF50-L18-WALLMNT-CMK6	Single Wall Mounted 18' Cable with Cable Management Kit	1	List \$3,355 \$2,684	\$2,684
5 Year Commercial Cloud Plan	Reference Page 2 of Quote for Explanation	1	Per port \$1,375	\$1,375
CPGW1	Gateway	1	\$0	\$0
Site Validation	Reference Page 2 of Quote for Explanation	1	No Charge	\$0
5 Year Assure	\$630 Site Validation included at No Charge Reference Page 2 of Quote for Explanation	1	Per port \$710	\$710
CPSUPPORT-ACTIVE	Initial Activation and Configuration Reference Page 2 of Quote for Explanation	1	\$100	\$100
Shipping	Shipping	1	\$200	\$200
Amount Due	Total cost before installation			\$5,069.00



Signature

Date

Ship to:



Initial Station Activation and Configuration Service includes activation of cloud services and configuration of radio groups,

connections, access control, visibility control, pricing, reports and alerts. One time initial service per port \$100

Power Cloud Plan available in prepaid options:

Annual fee includes: Power Cloud Plan, 24-7-365 Customer Service for Drivers via 800 number, Reporting, Software Updates, Station Manager Account Access and Data Collection

- 1 year \$305 (\$305 per year) per port
- 2 years \$595 (\$297.50 per year) per port
- 3 years \$870 (\$290 per year) per port
- 4 years \$1,130 (\$282.50 per year) per port
- 5 years \$1,375 (\$275 per year) per port

Optional Programs:

Site Validation:

On-Site Validation of cellular coverage, electrical capacity, transformers, panels, breakers, wiring and station installation meets all ChargePoint published requirements.

\$630 per power panel

Assure Warranty optional extended Parts and Labor Warranty:

Site Validation Required

- 1 year \$210 (\$210) per port
- 2 years \$370 (\$185 per year) per port
- 3 years \$535 (\$178.33 per year) per port
- 4 years \$695 (\$173.75 per year) per port
- 5 years \$710 (\$142 per year) per port - Site Validation included. A \$630 value

**** Other Standard Terms and Conditions**

20% restocking fee for any product returned to ChargePoint

Invoice Terms: 50% due upon placement of order and balance due 30 days after shipment of product.

Issue payment to CD LLC

ChargePoint 1 year parts warranty applies for all products. Warranty will be between purchaser and ChargePoint.

Prices are confidential and expire: May 28, 2023

Bob Spatz - 518-505-0508 - bobs@carboday.com - 163 S. Wheeling Rd. - Wheeling, IL 60090

Visit Our Website:

<https://carbodayevcharging.com/>

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April 28, 2023



Mr. Carl Goldsmith
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Lombard, IL 60148
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goldsmithc@villageoflombard.org

CPF50 Dual Pedestal mounted Fleet Station with 5 years Parts and Labor Warranty
18' Cable with Cable Management Kit

REFERENCE: Sourcewell Pricing

Model Number	Description	QTY	Price Per Station	Total Price
ChargePoint CPF50-L18-PEDMNT-CMK6-Dual	Dual Pedestal Mounted Station 18' Cable with Cable Management Kit	1	List \$5,930 \$4,744	\$4,744
5 Years Commercial Cloud Plan	Reference Page 2 of Quote for Explanation	2	Per port \$1,375	\$2,750
GPGW1	Gateway	1	\$0	
CPF50-PMGMT	Power Management Kit	0	\$0	\$0
Site Validation	Reference Page 2 of Quote for Explanation	1	\$630	\$630
5 Years Assure	\$630 Site Validation included at No Charge Reference Page 2 of Quote for Explanation	2	\$710	\$1,420
CPF50-CCM	Concrete Mounting Kit	1	\$80	\$80
CPSUPPORT-ACTIVE	Initial Activation and Configuration Reference Page 2 of Quote for Explanation	2	Per Port \$100	\$200
Shipping	Shipping	1	\$275	\$275
Amount Due	Total cost before Installation			\$10,099.00



Ship to:

Signature

Date



Initial Station Activation and Configuration Service includes activation of cloud services and configuration of radio groups, connections, access control, visibility control, pricing, reports and alerts. One time initial service per port \$100

Commercial Cloud Plan available in prepaid options:

Annual fee includes: Power Cloud Plan, 24-7-365 Customer Service for Drivers via 800 number, Reporting, Software Updates, Station Manager Account Access and Data Collection

- 1 year \$305 (\$305 per year) per port
- 2 years \$595 (\$297.50 per year) per port
- 3 years \$870 (\$290 per year) per port
- 4 years \$1,130 (\$282.50 per year) per port
- 5 years \$1,375 (\$275 per year) per port

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- 4 years \$695 (\$173.75 per year) per port
- 5 years \$710 (\$142 per year) per port - Site Validation included. A \$630 value

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QUOTE

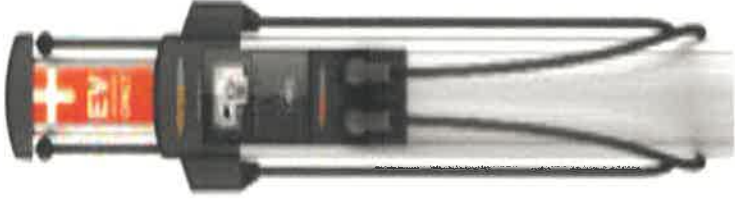
April 28, 2023
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CT4021 (Dual Bollard J1772 Level 2 with Credit Card Capability)
With Self-Retracting Cord Management, Video Capability and 5 Year Parts and Labor Warranty
REFERENCE: Sourcewell

Model Number	Description	QTY	Price Per Station	Total Price
ChargePoint CT-4021	Dual Bollard - with Locking Holster and Card Reader	1	List \$9,190 \$7,352	\$7,352
5 Year Commercial Cloud Plan	Reference Page 2 of Quote for Explanation	2	Per Plug \$1,555	\$3,110
CT4000-PMGMT	CT4000 Power Management Kit	0	\$65	\$0
Site Validation	Reference Page 2 of Quote for Explanation \$630 Site Validation included at No Charge	1	No Charge	\$0
5 Year Assure Kit CT4001-CM	Reference Page 2 of Quote for Explanation Bollard Concrete Mounting Kit	1	\$2,620	\$2,620
CPSUPPORT-ACTIVE	Initial Station Activation and Configuration Reference Page 2 of Quote for Explanation	1	\$349	\$349
Shipping	Shipping	1	\$220	\$220
Amount Due	Total cost before Installation			\$13,776.00



Signature

Date

Ship to:



Initial Station Activation and Configuration Service includes activation of cloud services and configuration of radio groups, connections, access control, visibility control, pricing, reports and alerts. One time initial service per station \$349

Commercial Cloud Plan available in prepaid options:

Annual fee includes: Commercial Cloud Plan, 24-7-365 Customer Service for Drivers via 800 number, Reporting, Software Updates, Station Manager Account Access, Data Collection and Credit Card Capability Pricing, Automatic Funds Collection, Power Management and Videos.

- 1 year \$345 (\$345 per year) per plug
- 2 years \$675 (\$337.50 per year) per plug
- 3 years \$985 (\$328.33 per year) per plug
- 4 years \$1,280 (\$320. per year) per plug
- 5 years \$1,555 (\$311 per year) per plug

Optional Programs:

Site Validation:

On-Site Validation of cellular coverage, electrical capacity, transformers, panels, breakers, wiring and station installation meets all ChargePoint published requirements. \$630 per power panel

Assure Warranty optional extended Parts and Labor Warranty:

Site Validation Required

- 1 year \$775
- 2 years \$1,480 (\$740 per year)
- 3 years \$2,165 (\$721.66 per year)
- 4 years \$2,585 (\$646.25 per year)
- 5 years \$2,620 (\$524 per year) - Site Validation included. A \$630 value

**** Other Standard Terms and Conditions**

20% restocking fee

Terms: 50% due upon placement of order and balance due 30 days after shipment of product.

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