

**TOWN OF ARLINGTON
MASSACHUSETTS
PURCHASING DEPARTMENT**

INVITATION TO BID

BID NO. 22-13

Sealed bids, pursuant to the Uniform Procurement Act, Ch. 30B, are invited and will be received by the Town Manager, Town of Arlington, Massachusetts, until **10:00 A.M., Wednesday, March 16, 2022**, at the Office of the Purchasing Director, 730 Massachusetts Avenue, Arlington, Massachusetts, at which time and place they will be publicly opened and read for furnishing:

**DC FAST CHARGING STATIONS/ARLINGTON PUBLIC
SCHOOLS**

Proposals must be submitted on forms provided and in a sealed envelope.

Certificate of Non-Collusion form must be submitted with bid in order to be considered.

For further information please contact Domenic R. Lanzillotti, Purchasing Officer at (781) 316-3003.

The Town Manager reserves the right to cancel any Invitation for Bid and/or to reject in whole or in part any and all bids, when it is deemed in the best interest of the Town to do so.

The Town of Arlington welcomes and encourages DBEs, MBEs and WBEs to submit proposals.

TOWN OF ARLINGTON

Adam W. Chapdelaine
Town Manager

March 2, 2022

Town of Arlington

BID #22-13
PROPOSAL PAGE

DC Fast Charging
Stations/Arlington Public
Schools

Vendor must state model bid and submit descriptive literature. Freight/Shipping is to be included in bid price. Delivery Zip Code is 02476

1. 1 Units DC Fast Charging Station Cabinet per specifications \$ /unit

MODEL: _____

2. 2 Units DC Fast Charging Station Dispensers \$ /unit

MODEL: _____

3. Shipping/Freight (Total price, Delivery Zip Code is 02476) \$ _____

Signature _____

Company _____

Business Address: _____

Telephone _____ Fax _____

Email _____

Date _____

- Control System (Freestanding)
- 2 Units, Charging Dispensers (Freestanding)

Number of Units:

- 1 Unit, Charging Cabinet/ Power

**DC Fast Charging Station Bid information
and Specification Arlington Schools**

2 March 2022

Specifications:

Charging Cabinet/ Power Control System

- Electrical Output:
 - Continuous DC output power: 120 kW
 - DC output voltage: 150-1000 VDC
 - Continuous DC output current: 200 A
- Electrical Input:
 - AC input power: 126 kVA
 - AC input current: 152 A
 - AC input voltage: 480V +/- 10%
 - AC input topology: 5-wire WYE (3ph + N + GND)
 - AC input frequency: 60 Hz
 - Current THD% at full power: <3%
 - Power factor: >0.99
 - Efficiency: 95%
- Mechanical
 - Integrated air cooling
 - Weight: 950 lbs. maximum
- Environmental
 - Environmental rating: NEMA 3R
 - Operating temperature range: -22°F (or lower) to 122°F (or higher)
 - Operating humidity range: 4-95%
- Charging Capabilities
 - Sequential charging capabilities: 1 at 120 kW
 - Simultaneous charging capabilities: 2 at 60 kW
 - Charger-to-vehicle interface: CCS1 Industrial dispenser
- Power Cabinet/Dispenser Interaction
 - Power cabinet to dispenser control box communications: Modbus TCP via fiber optic
 - Allowable distance between cabinet and dispenser: at least 250 ft (fiber optics)
 - Management communications: OCPP 1.6 control via 4G Cellular (standard); Supports WiFi and/or Ethernet
- Software & Data Plan
 - Data plan: at least 3 years
 - Includes software with user interface for monitoring usage
- Certifications: UL 2231
- Warranty: at least 3 years, parts and labor

Dispenser

- Electrical Output
 - DC output voltage: 150-1000 VDC
 - Continuous DC output current: 200 A
- Mechanical
 - Integrated air cooling
 - Weight with pedestal: max 200 lbs.

- Environmental
 - Environmental rating: NEMA 3R
 - Operating temperature range: -22°F (or lower) to 122°F (or higher)
 - Operating humidity range: 4-95%
- Chargers
 - Charger-to-vehicle interface: J1772 CCS Type 1 Universal Plug-in
 - CCS cable length: 18 ft
 - Number of CCS output cables per industrial dispenser: 1 CCS1 Cable
- Power Cabinet/Dispenser Interaction
 - Power cabinet to dispenser control box communications: Modbus TCP via fiber optic
 - Allowable distance between cabinet and dispenser: at least 250 ft
 - Management communications: OCPP 1.6 control via 4G Cellular (standard); Supports WiFi and/or Ethernet
- User Interface: Stop session button, Emergency stop button, Status LED
- Certifications: UL 2231, UL 2202, UL 1741SA
- Warranty: at least 3 years, parts and labor

Manufacturer and Model:

- Charging Cabinet: Proterra Energy Charging Systems – Industrial Series (model PC-120-PI) or approved equal
- Dispenser: Proterra Energy Charging Systems – Industrial Series (model PD-200-1-PI) or approved equal

Compatibility:

- Charging equipment must be compatible with Thomas C2 Jouley Electric School Buses. Compatibility must be field tested and verified in the past 3 months. The Town of Arlington reserves the right to require validation of compatibility prior to award.

CERTIFICATE OF NON-COLLUSION

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club or other organization, entity, or group of individuals.

(Signature of individual submitting bid or proposal)

(Name of individual submitting bid or proposal)

Name of Business

Date

Pursuant to M.G.L. Chapter 62C, Section 49A, I certify under the penalties of perjury that I have complied with all laws of the commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

Social Security Number or
Federal Identification Number

Signature of Individual or Responsible
Corporate Officer and Title

**NON-COLLUSION FORMS
MUST BE SIGNED AND
SUBMITTED WITH BID**