



Pursuant to Section **19-445.2141.** of the SC Consolidated Procurement Code, Spartanburg Community College is requesting quotes from qualified suppliers for the purchase of (1) one “new” 2023 Volvo C40 Recharge Twin Motor Electric (Ultimate or Plus Model) vehicle as more fully described herein.

Quotes are being accepted until Tuesday March 21 at 2:00 p.m. est.

Questions may be directed to Michael Clardy, CPSM. Director of Procurement for Spartanburg Community College. Email clardym@scsc.edu

Project Description

Revolutionizing Electric Vehicle Education (REVVED) is a collaboration between Trident Technical College, Spartanburg Community College, Greenville Technical College, and Clemson University. This faculty-driven consortium, with institutional leadership support, NSF projects/centers, and industry partners, will address the workforce needs of the Electric Vehicle (EV) manufacturing and service industry. The project’s primary research goal is to yield a deeper understanding of the processes required to create hybrid learning environments for upskilling workers and educating two-year college students in EV manufacturing and service.

The purpose of this solicitation is to purchase an electric vehicle as a training aid for the REVVED project’s faculty and students. The vehicle must be functional to allow for troubleshooting and diagnostics, which provides a higher level of knowledge for our students. Lastly, the vehicle(s) are needed for curriculum design, development, and implementation within the life cycle of the project.

REVVED Vehicle Specifications

The Vehicle selected for the first phase of project development is a “new” 2023 Volvo C40 Recharge Twin Motor Electric (ultimate or Plus Model) vehicle. The vehicle must include but not be limited to the following minimum specifications.

Exterior Requirements:

- Automatic LED Fog/Headlights with Active High Beam
- Power Operated Tailgate
- Running Lights
- Rear Park Assist
- Front Park Assist
- Adaptive Brake Lights to include High Level LED Brake Light
- Rear Park Assist Camera
- Rain Sensor - Automatic Windscreen Wiper Activation



Auto Folding Heated Power Door Mirrors

Interior Requirements:

Zone Electronic Climate Control with Rear Air Vents w/ Air Quality System and Pollen Filter

Front Reading Lights and Theatre Lighting

Luggage Compartment Illumination

12v Socket - Front Console

12" Progressive Driver Display

Front Footwell Illumination

Fixed Panoramic Sunroof

Glovebox Compartment Illumination

Height and Tilt Adjustable Driver Seat

Height Adjustable Passenger Seat

Multi-directional Lumbar Support

Heated Front Seats

Floor Mats

Fixed Rear Seat Headrests

Transmission | Steering | Suspension:

Height and Reach Adjustable Steering Column

Driver Assistance (Pilot Assist and Adaptive Cruise Control

Speed Sensitive Steering

Steering Wheel Remote Infotainment Controls

Keyless Convenient Entry and Start/Drive

Adjustable Steering Force

Hill Start Assist

Hill Descent Control

Pressure Monitoring System



Safety and Security:

City Safety (includes Pedestrian and Cyclist Detection, Front Collision Warning with Full Auto Brake and Rear Auto Brake)
Oncoming Lane/Run-off Road Mitigation
Run-off Road Protection
Slippery Road and Hazard Light Alert
Speed Limiter
Driver Alert Control with Lane Keeping Aid
Road Sign Information Display
Dual Stage Driver and Passenger Airbags
Passenger Airbag Cut-off Switch
Driver Knee Airbag
SIPS (Side Impact Protection System)
SIPS Airbags (Front Seats)
IC (Inflatable Curtains) - Full Length
WHIPS (Whiplash Protection System)(Front Seats)
Seatbelt Reminder and Pretensioners
Vehicle Deceleration Control (includes Anti-lock Brake System, Electronic Brake Distribution and Emergency Brake Assist)
Stability and Traction Control (includes Spin Control and Corner Traction Control)
Anti-theft Alarm including Immobiliser, Volume Sensor and Level Sensor
Power Child Locks - Rear Doors
(2 ea.) Key Integrated Remote-Control Central Locking including Recharging Port with + Autodimming
Automatic Headlight Levelling System

Audio and Communication:

9" Centre Console Portrait Touch Screen
Wireless/Inductive Mobile Phone Charging 1)
Bluetooth® Handsfree System
High Performance Sound
Apple CarPlay™ (Wired)
2 x Front and 2 x Rear Type C USB Sockets
8 Speakers / 250W Output
Emergency and Breakdown Call Function
Vehicle Preconditioning
Remote Door Locking/Unlocking
Public Charging Services (Plugsurfing)
Google Automotive Services



Navigation with Google Maps
Voice Recognition with Google Assistant (Vehicle Functions, Voice Controlled Web Searches and Google Connected Home Appliances)
Google Automotive Services Enabled Entertainment Apps
Unlimited Mobile Data (for in-car apps or vehicle communication)

Electric Requirements:

7m 10amp Charge Cable with 3 Pin Plug
Plugsurfing RFID card
4.5m 3-Phase 32 amp Type 2 / Mode 3 Charge Cable
Recharging Port (Type 2 / CCS)
Single Phase On-Board Charger - 11kW (home charging limited to 7.2kW)
One Pedal Drive Mode

NOTE TO VENDORS:

By submitting a reply, you are certifying the vehicle meets all the required minimum specifications.

Quotes shall include all of the information listed below.

Total Price including Tax and Delivery _____

Warranty on Product _____

****Estimated Delivery Time from time of award** _____

Company Name _____

Address: _____

Authorized Sales Representative _____

Phone Number _____

Email Address _____

****Delivery will be to Spartanburg Community College (Giles Campus) 131 Community College Drive
Spartanburg, SC 29303**