

powerNC

*Providing Opportunities for Workforce development
and Energy Readiness in North Carolina*

BUDGET INFORMATION



IN PARTNERSHIP WITH

STEPS4GROWTH & NC COMMUNITY COLLEGE SYSTEM

**USDOT Charging and Fueling
Infrastructure Grant
APPLICATION
JUNE 2023**



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TOTAL PROJECT COSTS AND FY 2023 CFI GRANT FUNDING REQUEST

The North Carolina Department of Transportation (NCDOT) is requesting **\$1,006,980** (2023\$) in Community Charging and Fueling Program grant funding to deliver **Providing Opportunities for Workforce development and Energy Readiness in North Carolina (powerNC, or “the Project”)**. With the receipt of CFI funds, NCDOT will be able to equitably expand community-based EV charging at 10 community colleges (CCs) across North Carolina, while also supporting high-quality workforce development programs and reducing greenhouse gases (GHGs) that contribute to climate change. The CFI funding request equals 80 percent of the project. A non-Federal match of **\$251,745** (2023\$), from State funds is committed to the Project. Letters of commitment included with the application indicate the State’s financial contributions. For more information, please refer to the following attachments:

- NCDOT Letter of Commitment
- Office of State Budget and Management (OSBM) Letter of Commitment
- Standard Form 424
- Grants.gov Lobbying Form
- Project Abstract Summary
- Key Contacts

The total estimated project cost is **\$1,258,725** (2023\$). The total Project cost supports the installation of two (2) four- (4-) port Level 2 electric vehicle (EV) charging stations at each of the 10 participating community colleges (CCs). The Project budget includes a 25 percent contingency for the development phase and construction to account for volatility in materials, construction and labor costs, as well as to account for uncertainty in charging station locations and to ensure the Project can support improvements needed to fulfil the goals and approach outlined in the application. Detailed costs for deploying EV charging stations at each participating CC are outlined in Table 1, while Table 2 summarizes the development phase, EV charging station, construction, and community engagement + educational costs, as well as funding sources and percentages for how each funding source will share in major project activities.



Table 1. powerNC Detailed Costs and Budget (2023\$)

Participating CC	L2 EVSE Cost	Construction	Development Phase	Total
Blue Ridge	\$34,936	\$29,730	\$31,000	\$95,666
Central Carolina	\$34,936	\$29,730	\$31,000	\$95,666
Edgecombe	\$34,936	\$29,730	\$31,000	\$95,666
Fayetteville Technical	\$34,936	\$29,730	\$31,000	\$95,666
Gaston College	\$34,936	\$29,730	\$31,000	\$95,666
Martin	\$34,936	\$29,730	\$31,000	\$95,666
Nash	\$34,936	\$29,730	\$31,000	\$95,666
Randolph	\$34,936	\$29,730	\$31,000	\$95,666
Roanoke-Chowan	\$34,936	\$29,730	\$31,000	\$95,666
Wake Technical	\$34,936	\$29,730	\$31,000	\$95,666
Subtotal Development + Construction	\$349,360 (27.8%)	\$297,300 (23.6%)	\$310,000 (24.6%)	\$956,660
Development + Construction Contingency (25%)	\$87,340	\$74,325	\$77,500	\$239,165 (19.0%)
Community Engagement + Educational Activities				\$62,900 (5%)
Total				\$1,258,725

Table 2. powerNC Sources and Uses of Funds (2023\$)

Source	Level 2 Charging Stations	Development Phase	Other Construction Costs	Community Engagement + Education	Contingency	Total
Non-Federal Match (State funds)	\$69,872	\$59,460	\$62,000	\$12,580	\$47,833	\$251,745
CFI Ask	\$279,488	\$237,840	\$248,000	\$50,320	\$191,332	\$1,006,980
Total (2023\$)	\$349,360	\$297,300	\$310,000	\$62,900	\$239,165	\$1,258,725



PROJECT COST BACKGROUND

Costs for development phase activities, the new Level 2 EV charging stations, and other construction costs were developed based on actual cost data from NCDOT's Facilities Management Unit related to the Transportation Building Complex renovation,

as well as data from the North Carolina Department of Environmental Quality (NCDEQ) for EV charging stations delivered with Volkswagen settlement funds. The detailed cost assumptions for these Project elements are summarized in Table 3.

Table 3. powerNC Detailed Cost Assumptions (2023\$)

Level 2 EV Charging Station	
One (1) Level 2 Charging Station with 4 ports	17,468
Development Phase Costs (per CC)	
Environmental Review/NEPA	\$3,000
Design	\$12,000
Project Management	\$4,000
Information Technology	\$6,000
Security	\$6,000
Total Development Phase Costs	\$31,000
Construction Costs (per CC)	
Site Improvements	\$16,000
New Electrical Service/ Minor grid improvements	\$8,000
Warranty	\$5,730
Total Other Construction Costs	\$29,730

The Educational and Community Engagement Activities budget for the Project is **\$62,900**, which equates to 5 percent of the total Project costs. NCDOT Office of Civil Rights (OCR) and Successful Training and Effective Partnerships for Growing Regional Opportunities in the Workforce To Harness the NC Clean Energy Alliance (STEPS4GROWTH) will partner to perform robust outreach and recruitment into clean

vehicle training programs in the counties served by the participating CCs, with the goal of engaging K-12 students, adults, DBEs, and others while building trust with communities that have not been historically involved in the clean energy sector (see **Equity, Community Engagement, and Justice40** for more information on potential activities). An engagement plan detailing specific activities will be developed prior to grant obligation.



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