Oklahoma’s Electric Vehicle Charging Grant Program

Funded by the Volkswagen Settlement Environmental Mitigation Trust
Webinar Structure

Volkswagen Settlement Background

ChargeOK Overview and Purpose

Funding Information

EV Charging Site Categories

Eligibility Information

Project Specifications

Reporting, Monitoring, and General Conditions

Application (Reviewing, Scoring, and Selection)
Volkswagen Settlement Background

- 2016 national $2.7 billion emissions settlement reached between VW, et. al., and U.S. EPA

- Settlement Goal: reduce nitrogen oxide emissions from the transportation sector

- Wilmington Trust selected as Trustee

- Oklahoma was approved as a Beneficiary and submitted a Beneficiary Mitigation Plan (BMP)

- Oklahoma Department of Environmental Quality assigned lead agency, with oversight from the Office of the Secretary of Energy and Environment

- Oklahoma’s initial VW funding allocation: $20,922,485

- Settlement identified eligible Mitigation Actions and funding limitations

- DEQ hosted several stakeholder engagements, and finalized Oklahoma’s BMP
Oklahoma’s Eligible Mitigation Action Categories | %
--- | ---
Alternative Fuel School Bus Program | 20
DERA Grants
  - Diesel School Buses
  - Retrofits and other DERA-only projects | 10
On-Road Program
  - Class 8 Local Freight Trucks and Drayage Trucks
  - Class 4-8 Shuttle Bus or Transit Bus
  - Class 4-7 Local Freight Trucks | 20
Off-Road Program
  - Freight Switchers
  - Ferries/Tugs
  - Airport Ground Support Equipment
  - Forklifts and Port Cargo Handling Equipment | 20
Light Duty Zero Emission Vehicle Supply Equipment | 15
Reserve Flex Funding | 15
TOTAL | 100%
ChargeOK Overview and Purpose

• **Purpose**: create a strategic network of electric charging stations aimed at:
  
  • ↑ EVs in place of gas-powered cars (mitigate nitrogen oxides),
  
  • ↓ particulate matter and greenhouse gas emissions, and
  
  • ↓ EV range anxiety across Oklahoma

• **Overview**: building out Oklahoma’s light-duty electric vehicle (EV) charging network

  • **Transportation Corridors** – direct current fast charging (DCFC) projects on designated electric vehicle transportation corridors

  • **Single Point Locations** – DCFC/Level 2 projects for single destination locations or locations that serve as a community charging hub
Funding Information

- Competitive basis for the purchase, installation, and operation of publicly accessible light-duty charging stations

- Maximum available: **approximately $3.1 million** (Trust 15% cap)
  - 75% - Transportation Corridor
  - 25% - Single Point Location

- DEQ will fund a **maximum of 80%** of eligible project costs

- Grant payments are disbursed as **reimbursements after the work is completed, verified, and approved**

- **12 months to complete** approved project(s)

- **NOTE:** Applicants who begin a project and previously incur costs **before receiving a Notice to Proceed** does so with the understanding that the costs **will not be reimbursed**

- **NOTE:** DEQ is **not required** to distribute all funds available for this funding opportunity and reserves the right to **award partial grants**
EV Charging Site Categories

• Projects must fall within one of **two site categories**: *Transportation Corridors* or *Single Point Location*

  • **Transportation Corridors** – direct current fast charging (DCFC) projects on designated electric vehicle transportation corridors
    • Further separated between **Tier 1** and **Tier 2** corridors (see map on next slide)

  • **Single Point Location** – DCFC/Level 2 projects for single destination locations or locations that serve as a community charging hub
Oklahoma Electric Vehicle Charging Grant Program

Legend

Tier 1 AADT >= 7,500
- I-35 (78.20 mi)
- I-40 (144.64 mi)
- I-44 (107.16 mi)
- US-64 (117.67 mi)
- US-183 (95.04 mi)
- US-270 (86.36 mi)
- US-40 (167.81 mi)
- US-75 (94.23 mi)
- US-412 (194.92 mi)

Tier 2 AADT < 7,500
- SH-3 (87.56 mi)

Designated Electric Vehicle Transportation Corridors
Eligibility Information

- Applicant must be classified as an "eligible applicant", see RFP definitions for more information

- Cost Share Requirement: grantee must provided a minimum 20% match

- Project costs must be necessary for and directly connected to the acquisition, installation, operation, and maintenance of the ZEVSE

**Eligible Costs:**
- DCFC & Level 2 equipment
- ZEVSE installation costs directly associated with and required for the installation and safe operation of ZEVSE
- Utility upgrades such as transformers and extensions
- Connecting ZEVSE to electrical services
- Other hard costs (concrete, conduit, signage, cable/wiring, etc.)
- Warranties for charging equipment (min. of 5 years)
- Shipping of equipment
- Battery storage and solar photovoltaic panels

**Ineligible Costs:**
- Items not directly related to the project
- Purchase or rental of real estate
- Other capital costs (e.g., construction of buildings, parking facilities, etc.) or general maintenance (i.e.; maintenance other than of the supply equipment)
- Administrative costs
Project Specifications

- **Category**: Transportation Corridor or Single Point Location

- **Host Site Selection**:
  - Transportation Corridor – maximum of 1 mile off an exit/entrance ramp
  - All projects must be **publicly accessible to general public 24 hours/7 days a week**
  - Properly lit from dusk to dawn
  - Within a short and safe walking distance to retail or service establishments
  - Site Host and Utility Agreements
  - Register site with the Alternative Fuel Data Center

- **Ongoing Services**:
  - 24 hours/7 days a week Customer Service posted
  - Maximum possible paved **parking spaces**, with future expansion
  - Operational **Networking functions**
  - If not free, project must be Payment Card Industry compliant, display real-time pricing and fees, and allow for **flexible pricing**
  - Proper **signage**
  - Compliance requirements
  - **Minimum 5-year manufacturer's warranty and maintenance plan** ensuring a 95% annual uptime guarantee
Project Specifications (cont.)

• Equipment Requirements:
  • DCFC charging unit offer both CHAdeMo and SAE CCS charging protocol connectors
  • Level 2 charging units must offer a J1772 compatible connector
  • 5-year minimum **equipment warranty**
  • Use **Open Charge Point Protocol**
  • Nationally Recognized Testing Laboratory (NRTL) **certified charging equipment**
  • 150 kW DCFC: minimum of 150 kW for single vehicle, and at least 50 kW simultaneous for multiple vehicles
  • 50 kW DCFC: minimum of 50 kW shall be provided to each vehicle
  • Level 2 EVSE: minimum of 6.6 kW continuous at each plug and electric service rated at 208V (30A continuous)
  • Future proofing requirements
  • Fully operational within temperature range of -22 to 122 degrees Fahrenheit
  • Cord management system
  • Use of renewables
Reporting, Monitoring, and General Conditions

- **Semiannual reporting**: project start date until project completion and funds are received

- **Annual Station Utilization Data**: 5 years after project completion (see RFP for complete list)

- **Reporting submission instructions** will be included in MOA

- Confidential Business Information (CBI) clause
Application (Reviewing, Scoring, and Selection)

- Online at [www.deq.state.ok.us/aqdnew/vwsettlement/chargeok](http://www.deq.state.ok.us/aqdnew/vwsettlement/chargeok)
- Submission Deadline: 12 PM on March 1, 2019
- Scoring Committee will review and score applications (up to 60 days)
- Scoring Criteria will guide evaluation
- Email notification from DEQ whether or not applicant is receiving funding
- Successful applicants will receive an additional email with “next steps”, including a MOA
- Once MOA has been signed by both parties, then DEQ will email applicant a Notice to Proceed.
- NOTE: Applicants may submit one application with single or multiple projects – as long as each project is clearly defined

<table>
<thead>
<tr>
<th>CRITERIA</th>
<th>MAXIMUM POINTS</th>
<th>POSSIBLE POINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Narrative</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Station Location and Access to Amenities</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>Cost Effectiveness:</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>• Matching Funds requested</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Budget Narrative</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Business Model</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Station Design, Facilities Requirements, Minimum Station Specifications</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>Organization, Staff Experience, Qualifications</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Project Partnerships:</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>• Key Partners Identified</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Site Agreement Attached</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Utility Service Notice</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Innovation and Sustainability:</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>• Future Proofing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Use of Renewable Energy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Detail and Completeness</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>
Example Timeline

- RFP Released: Nov. 29, 2018
- Application Deadline: March 1, 2019
- Award Announcement: April 30, 2019
- Signed MOA & Notice to Proceed: 12 months
- Reimbursement Request: End of 12 months
- Payment Received: Up to 90 days
For questions on the application, RFP, or associated concerns, contact:

VWSettlement@deq.ok.gov
(405) 702-4100