



Oklahoma's Electric Vehicle Charging Grant Program

Funded by the Volkswagen Settlement Environmental Mitigation Trust



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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 <ul style="list-style-type: none"> Diesel School Buses Retrofits and other DERA-only projects 	10
On-Road Program <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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

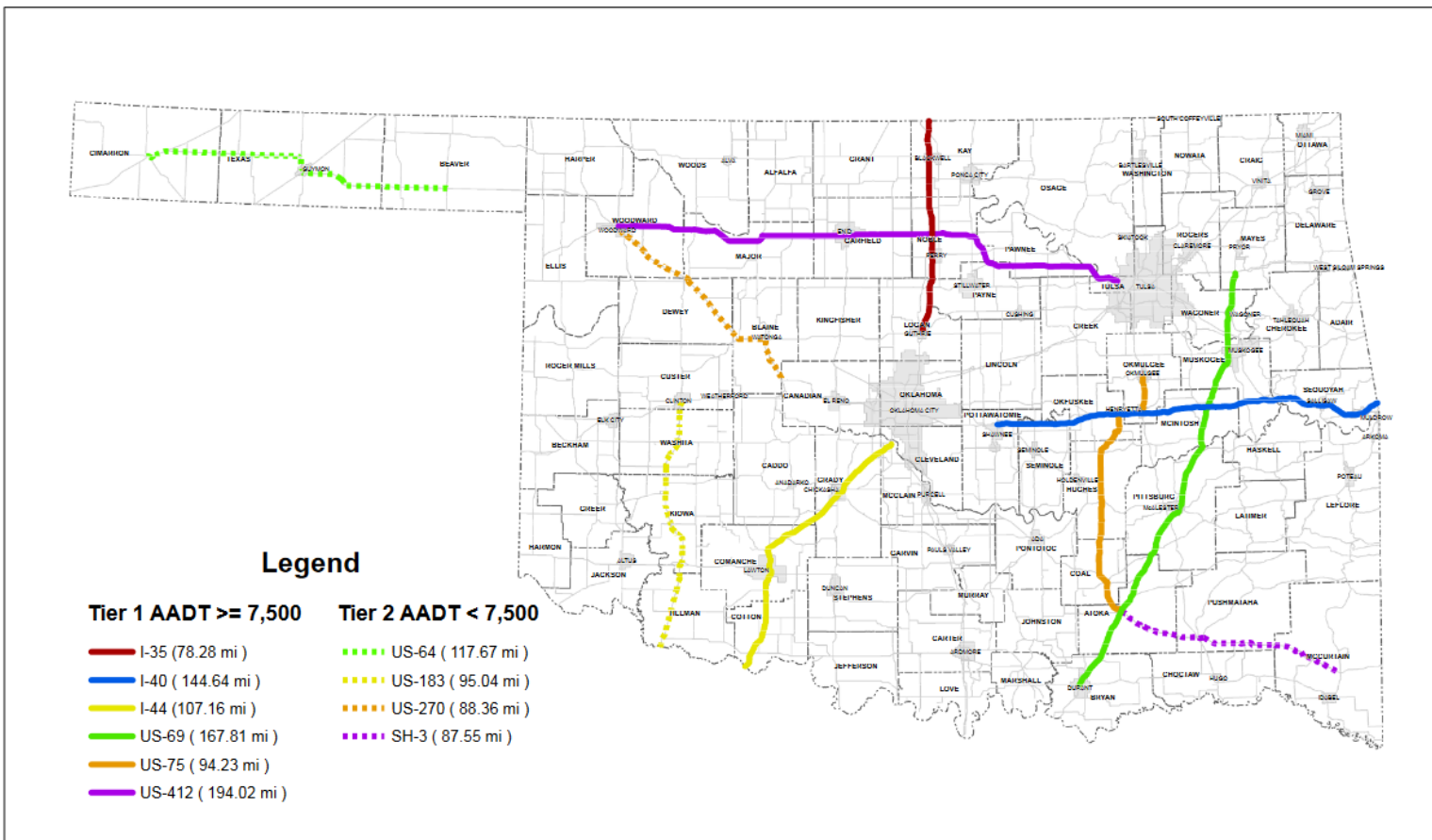
- **Competitive basis** for the **purchase, installation, and operation of publicly accessible light-duty charging stations**
- Maximum available: **approximately \$3.1 million** (Trust 15% cap)
 - **75%** - *Transportation Corridor*
 - **25%** - *Single Point Location*
- DEQ will fund a **maximum of 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



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

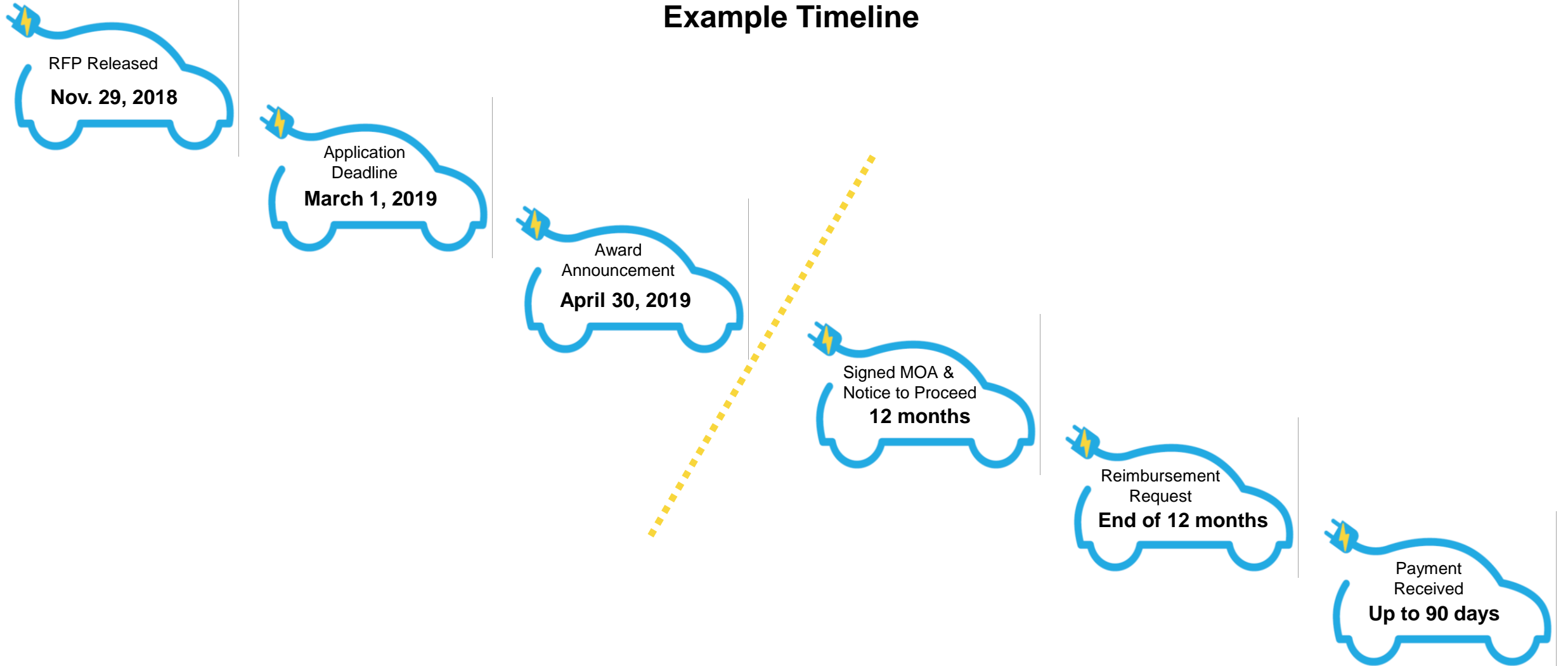
- **Semiannual reporting:** project start date until project completion and funds are received
- **Annual Station Utilization Data:** 5 years after project completion (see RFP for complete list)
- **Reporting submission instructions** will be included in **MOA**
- Confidential Business Information **(CBI) clause**

Application (Reviewing, Scoring, and Selection)

- Online at www.deq.state.ok.us/aqdnew/vwsettlement/chargeok
- **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

CRITERIA	MAXIMUM POINTS	POSSIBLE
Project Narrative	5	
Station Location and Access to Amenities	20	
Cost Effectiveness: <ul style="list-style-type: none"> • Matching Funds requested • Budget Narrative • Business Model 	20	
Station Design, Facilities Requirements, Minimum Station Specifications	20	
Organization, Staff Experience, Qualifications	15	
Project Partnerships: <ul style="list-style-type: none"> • Key Partners Identified • Site Agreement Attached • Utility Service Notice 	10	
Innovation and Sustainability: <ul style="list-style-type: none"> • Future Proofing • Use of Renewable Energy 	5	
Detail and Completeness	5	
TOTAL	100	

Example Timeline





For questions on the application, RFP, or associated concerns, contact:

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