

APPENDIX D-4
Beneficiary Eligible Mitigation Action Certification

BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

Beneficiary _____

Lead Agency Authorized to Act on Behalf of the Beneficiary _____
(Any authorized person with delegation of such authority to direct the Trustee delivered to the Trustee pursuant to a Delegation of Authority and Certificate of Incumbency)

Action Title:	
Beneficiary's Project ID:	
Funding Request No.	<i>(sequential)</i>
Request Type: (select one or more)	<input type="checkbox"/> Reimbursement <input type="checkbox"/> Advance <input type="checkbox"/> Other (specify): _____
Payment to be made to: (select one or more)	<input type="checkbox"/> Beneficiary <input type="checkbox"/> Other (specify): _____
Funding Request & Direction (Attachment A)	<input type="checkbox"/> Attached to this Certification <input type="checkbox"/> To be Provided Separately

SUMMARY

Eligible Mitigation Action <input type="checkbox"/> Appendix D-2 item (specify): _____ Action Type <input type="checkbox"/> Item 10 - DERA Option (5.2.12) (specify and attach DERA Proposal): _____
Explanation of how funding request fits into Beneficiary's Mitigation Plan (5.2.1):
Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2):
Estimate of Anticipated NOx Reductions (5.2.3):
Identification of Governmental Entity Responsible for Reviewing and Auditing Expenditures of Eligible Mitigation Action Funds to Ensure Compliance with Applicable Law (5.2.7.1):
Describe how the Beneficiary will make documentation publicly available (5.2.7.2).
Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8).
Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9).

If applicable, describe how the mitigation action will mitigate the impacts of NOx emissions on communities that have historically borne a disproportionate share of the adverse impacts of such emissions (5.2.10).

ATTACHMENTS
(CHECK BOX IF ATTACHED)

- Attachment A Funding Request and Direction.
- Attachment B Eligible Mitigation Action Management Plan Including Detailed Budget and Implementation and Expenditures Timeline (5.2.4).
- Attachment C Detailed Plan for Reporting on Eligible Mitigation Action Implementation (5.2.11).
- Attachment D Detailed cost estimates from selected or potential vendors for each proposed expenditure exceeding \$25,000 (5.2.6). [Attach only if project involves vendor expenditures exceeding \$25,000.]
- Attachment E DERA Option (5.2.12). [Attach only if using DERA option.]
- Attachment F Attachment specifying amount of requested funding to be debited against each beneficiary's allocation (5.2.13). [Attach only if this is a joint application involving multiple beneficiaries.]


CERTIFICATIONS

By submitting this application, the Lead Agency makes the following certifications:

1. This application is submitted on behalf of Beneficiary _____, and the person executing this certification has authority to make this certification on behalf of the Lead Agency and Beneficiary, pursuant to the Certification for Beneficiary Status filed with the Court.
2. Beneficiary requests and directs that the Trustee make the payments described in this application and Attachment A to this Form.
3. This application contains all information and certifications required by Paragraph 5.2 of the Trust Agreement, and the Trustee may rely on this application, Attachment A, and related certifications in making disbursements of trust funds for the aforementioned Project ID.
4. Any vendors were or will be selected in accordance with a jurisdiction's public contracting law as applicable. (5.2.5)
5. Beneficiary will maintain and make publicly available all documentation submitted in

support of this funding request and all records supporting all expenditures of eligible mitigation action funds subject to applicable laws governing the publication of confidential business information and personally identifiable information. (5.2.7.2)

DATED: 09/06/2023


Gehan M. Elsayed, PhD, PE
Chief Engineer of Planning and Programs
WVDOT Division of Highways

[LEAD AGENCY]

for

State of West Virginia

[BENEFICIARY]

ATTACHMENT B

**ELIGIBLE MITIGATION ACTION MANAGEMENT PLAN
INCLUDING DETAILED BUDGET AND IMPLEMENTATION AND EXPENDITURES TIMELINE**

ACTION TITLE: MU EVSE

BENEFICIARY PROJECT ID: VW009

FUNDING REQUEST NUMBER: 9

This action is proposed as a reimbursable agreement to install a number of Level-2 and Level-3 EVSE chargers totaling up to, but not to exceed, \$303,296.05. The project will follow established and typical competitive procurement practices in accordance with State Law.

The Beneficiary intends to submit no more than three (3) *reimbursement* Attachment A for electronic transfer directly to the recipient over the course of the Project.

Approximate dates of electronic transfer(s): Quarter 3, 2024

DETAILED PLAN FOR REPORTING ON ELIGIBLE MITIGATION ACTION IMPLEMENTATION

ACTION TITLE: MU EVSE

BENEFICIARY PROJECT ID: VW009

FUNDING REQUEST NUMBER: 9

Beneficiary intends to provide actual implementation reporting to satisfy Subparagraph 5.3 of the Trust Agreement, which states:

5.3 Beneficiary Reporting Obligations: *For each Eligible Mitigation Action, no later than six months after receiving its first disbursement of Trust Assets, and thereafter no later than January 30 (for the preceding six-month period of July 1 to December 31) and July 30 (for the preceding six-month period of January 1 to June 30) of each year, each Beneficiary shall submit to the Trustee a semiannual report describing the progress implementing each Eligible Mitigation Action during the six-month period leading up to the reporting date (including a summary of all costs expended on the Eligible Mitigation Action through the reporting date). Such reports shall include a complete description of the status (including actual or projected termination date), development, implementation, and any modification of each approved Eligible Mitigation Action. Beneficiaries may group multiple Eligible Mitigation Actions and multiple sub-beneficiaries into a single report. These reports shall be signed by an official with the authority to submit the report for the Beneficiary and must contain an attestation that the information is true and correct and that the submission is made under penalty of perjury. To the extent a Beneficiary avails itself of the DERA Option described in Appendix D-2, that Beneficiary may submit its DERA Quarterly Programmatic Reports in satisfaction of its obligations under this Paragraph as to those Eligible Mitigation Actions funded through the DERA Option. The Trustee shall post each semiannual report on the State Trust's public-facing website upon receipt.*

Proposal for Public-Facing EV Charging Infrastructure from Marshall University from Volkswagen Settlement Funds

August 2023

Proposal Team

Amy Parsons-White, Sustainability Manager
Travis Bailey, Director of Facilities and Operations

Introduction

Marshall University would like to request funding of \$300,000 from the Volkswagen settlement funds reserved for public-facing electric vehicle (EV) charging to install EV charging stations on three of Marshall's campuses. Marshall has a commitment to implementing sustainability on the physical campus and in operational activities. The expansion of EV charging capabilities for students, faculty, staff, alumni, and visitors will provide an amenity requested by these groups, will improve national EV charging infrastructure networks with off-interstate connectivity, will fulfill in-part goals laid out by the WV NEVI plan required by the Infrastructure Investment and Jobs Act, and will continue WV's longstanding tradition as an energy provider in many forms.

Charging Types

Marshall sees the need and has the power capabilities in several lots and garages to accommodate Level 2 charging stations. Many regular campus population members are on campus for short periods of time, and campus serves as a major event destination in Huntington where attendees are often visiting for only 1-2 hours. Marshall intends to let an EV vendor look at a list of potential locations and make recommendations on which sites are most appropriate for the 2 charger types.

Parking Lot Types

Marshall has parking areas listed that are either short term or permitted. Lots listed as short term are paid for on an hourly basis. All permitted lots listed are gateless, meaning any vehicle can enter the lot. The University plans to designate spaces within those lots for EV charging that are open to the public without need for a permit. These spaces will be listed on the PlugShare app and on the university website, marked with clear signage stating the intended purpose and use of the spaces, and advertised as open to all. Marshall will task transportation and parking teams as well as university police with monitoring appropriate use and a maximum charging time.

EV Charging Agreement Structure

Marshall may or may not participate in the site preparation for each station but desires the EV charging company to install the stations themselves, handle the Point-of-Sale operations to customers wishing to charge vehicles, and perform ongoing maintenance and upgrades. Marshall will participate in the management of the parking spaces, implementing violation codes for non-electric vehicles parked in the charging spaces, as well as vehicles parked in spaces longer than reasonable to charge electric vehicles.

EV Charging Vendor

Marshall has reviewed potential EV vendors and has chosen to have GreenSpot evaluate potential locations. GreenSpot is a partner of the WV Clean Cities Coalition. GreenSpot indicates that the typical price per Level 2 charger is around \$15,000 and the cost per DC Fast charger is around \$75,000. There are several models for operating the EV system, we are currently exploring a model where the university would pay for the chargers and the vendor would cover all infrastructure and operational costs. This model would also include a revenue share for Marshall University. Please note that GreenSpot was contacted for consultation purposes because they are a partner with WV Clean Cities Coalition. A Request For Proposals (RFP) will be released and awarded to the proposal best suited to Marshall University's needs regardless of any previous relationship between the university and the company.

Procurement Statement

Through Marshall University Purchasing Department, an RFP will be generated, and all standard procurement procedures will be followed. Once an EV company has been selected, Marshall University will notify the Volkswagen Trust and will submit all receipts for reimbursement once the project is completed.

Marshall University

Amount Requested: \$300,000

Number of Chargers: 50



Parking Garage



Parking Lot

Area	Parking Lot Type	Number and Charger Type
Weisburg Engineering Complex	Permitted and Short Term	6 Level 2
3 rd Ave Parking Garage	Permitted and Short Term	6 Level 2
6 th Ave Parking Garage	Permitted and Short Term	6 Level 2
6 th Ave Parking Lots (2)	Permitted and Short Term	12 Level 2
Joan C Edwards Stadium	Permitted and Short Term	6 Level 2
Baseball Stadium (new construction)	Short Term	6 Level 2
Mid Ohio Valley Campus	Short Term	2 Level 2
South Charleston Campus	Short Term	6 Level 2

Marshall University Main Campus Huntington, WV



Marshall University Mid Ohio Valley Campus Point Pleasant, WV

Marshall
University
Mid-Ohio



2 Level 2

Marshall University Graduate School Campus South Charleston, WV



6 Level 2

Assumptions

The minimum, mean, and maximum kilowatt hours (kWh/year) dispensed estimates for each location having 1 Level-2 charger and 1 DCFC as provided by Perry McCutcheon. The average electric vehicle miles per kWh was based on the state of Arkansas value in their beneficiary eligible mitigation action certification

The kWh dispensed times miles per kWh = equivalent miles

The equivalent miles times grams of NOx per mile driven = grams of NOx saved

The grams of NOx produced per mile from unleaded gasoline comes from EPA's MOBILE 6.2

Grams of NOx saved divided by 1,000,000 = metric tons of NOx saved

EV Average (miles per kWh)	NOx reduced per mile (grams)	Minimum (kWh/year)	Mean (kWh/year)	Maximum (kWh/year)
3.2	0.693	70,000	150,000	220,000
Anticipated NOx reductions (Tons per year)		0.16	0.33	0.49

Calculation:

kWh/year x miles/kWh x grams NOx divided by 1,000,000



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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Alanna J. Keller, P.E.
Deputy Secretary of Transportation
Deputy Commissioner of Highways

Jimmy Wriston, P.E.
Secretary of Transportation
Commissioner of Highways

August 7, 2023

Ms. Amy Parsons-White
Sustainability Director
Marshall University
825 Hudson Street
Saint Albans, West Virginia 26506

Dear Ms. Parsons-White:

I am pleased to express the intent, on behalf of the State of West Virginia, acting as West Virginia's Lead Agency for the Volkswagen Mitigation Settlement, for the reimbursement of up to \$303,296.00 for the installation of Electric Vehicle Supply Equipment (EVSE) at various Marshall University locations. This action is consistent with the State Beneficiary Mitigation Plan under "Priority 4: Electric Vehicle Charging Equipment." The Plan can be accessed at go.wv.gov/volkswagen for details. We will be working through the Trustee's procedures to develop a reimbursable agreement soon.

In the meantime, should you have any questions or concerns, please contact Mr. Perry McCutcheon, Project Manager, with our Visualization Unit within the Planning Division at (304) 414-6928 or by email at Perry.J.McCutcheon@wv.gov.

Sincerely,

A handwritten signature in blue ink that reads "Jimmy Wriston, P.E.".

Jimmy Wriston, P.E.
Secretary of Transportation/
Commissioner of Highways

JW:Mm