

APPENDIX D-4
Beneficiary Eligible Mitigation Action Certification

State of Nebraska
Funding Request #6

BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

Beneficiary STATE OF NEBRASKA

Lead Agency Authorized to Act on Behalf of the Beneficiary Nebraska Department of Environment and Energy
(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:	Nebraska Diesel Emission Mitigation Program Electric Vehicle Charging Equipment Rebates
Beneficiary's Project ID:	VWT2020-06
Funding Request No.	<i>(sequential)</i> 6
Request Type: (select one or more)	<input type="checkbox"/> Reimbursement <input checked="" type="checkbox"/> Advance <input type="checkbox"/> Other (specify): _____
Payment to be made to: (select one or more)	<input checked="" type="checkbox"/> Beneficiary <input type="checkbox"/> Other (specify): _____
Funding Request & Direction (Attachment A)	<input checked="" type="checkbox"/> Attached to this Certification <input type="checkbox"/> To be Provided Separately

SUMMARY

Eligible Mitigation Action	<input checked="" type="checkbox"/> Appendix D-2 item (specify): <u>9</u>
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): See attached SUMMARY Supplement (page 5).	
Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2): See attached SUMMARY Supplement (page 5).	
Estimate of Anticipated NOx Reductions (5.2.3): See attached SUMMARY Supplement (page 5).	
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): Nebraska Auditor of Public Accounts	
Describe how the Beneficiary will make documentation publicly available (5.2.7.2). See attached SUMMARY Supplement (page 6).	
Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8). See attached SUMMARY Supplement (page 6).	
Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9). On 26 February 2018 NDEE sent e-mail notices of availability of funds to representatives of the U.S. Department of the Interior and the U.S. Department of Agriculture listed in subparagraph 4.2.8 of the Trust Agreement.	

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).

See attached SUMMARY Supplement (page 6).

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 State of Nebraska, 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: March 18, 2020

Kara L. Valentine
Deputy Director, Air & Land

[NAME]

[TITLE]

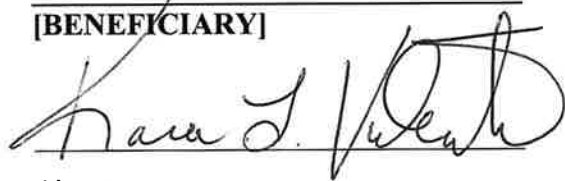
Nebraska Department of Environment and Energy

[LEAD AGENCY]

for

State of Nebraska

[BENEFICIARY]

A handwritten signature in black ink, appearing to read "Kara L. Valentine", is written over a horizontal line.

Signature

SUMMARY Supplement

Explanation of how funding request fits into Beneficiary’s Mitigation Plan (5.2.1):

This request will fund the acquisition and installation of Electric Vehicle Charging Equipment that will be available for public use by light-duty electric vehicles at 35 locations in Nebraska. Nebraska’s Beneficiary Mitigation Plan posted in January 2018 proposed to use 10% of Nebraska’s initial allocation, or approximately \$1.2 million, to provide grants or rebates for Zero Emission Vehicle Charging Infrastructure, as authorized under Eligible Mitigation Action 9. Applications received for this program requested over \$3.8 million in project funding. In view of the strong demand, NDEE increased the funding to \$1.8 million, the full 15% allowed for this purpose under the Volkswagen Trust agreement, by using a portion of the Mitigation Plan allocated for Eligible Actions Based on Demand.

Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2):

The Nebraska Department of Environment and Energy (NDEE) solicited applications from public and private entities to receive rebates to partially reimburse the costs for the acquisition, installation, and maintenance of Electric Vehicle (EV) Charging Equipment for public and workplace use in Nebraska.

Charging sites could include one or more Direct Current (DC) Fast Chargers plus a Level 2 Charger, or only one or more Level 2 Chargers. A DC Fast Charger can provide an EV with 60 to 90 miles of driving range in 30 minutes. Level 2 chargers provide about 25 miles of driving range per hour of charging. Charging stations that include the more expensive DC Fast Charging equipment will be reimbursed for up to 80% of these costs, while Level 2 charging projects will be reimbursed at 50%. After the chargers begin operating, the rebate recipients will provide NDEE with charger usage data for up to 5 years.

This request will fund the acquisition and installation of 54 Electric Vehicle Chargers that will be available for public use at 35 locations in 18 Nebraska counties over the next two years. The charging equipment will include 20 DC Fast Chargers and 34 Level 2 Chargers. The new charging sites will include grocery and convenience stores, publicly-owned community locations, high schools in Lincoln, Nebraska, and the University of Nebraska Lincoln campuses.

These projects will greatly increase the availability of public EV charging in Nebraska. At least 10 communities will acquire their first DC Fast Charging stations, and several of the projects will fill charging gaps along the Interstate 80 corridor. By alleviating “range anxiety”, the availability of these charging sites is expected to spur increased use of EVs in Nebraska as replacements for vehicles powered by internal combustion engines.

Air Quality Benefits were calculated using Argonne National Laboratory’s AFLEET 2019 Tool (https://greet.es.anl.gov/afleet_tool). This tool estimates the overall air emission reductions for the miles an EV can drive from the electricity dispensed by a charger as compared to the overall emissions from a gasoline vehicle driven the same number of miles. The calculations include estimated emissions from the generation of the needed electricity and the well-to-wheels emissions for the gasoline vehicle. The estimates shown below do not include the expected increase in the number of EVs in use due to the deployment of more EV chargers.

		Carbon Monoxide	NOx	Volatile Organics (VOCs)
Ten-Year Lifetime (tons)	Moderate Use	10.7	0.625	1.3
	High Use	17.2	1.0	2.1

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Estimate of Anticipated NOx Reductions (5.2.3):

The estimates of anticipated NOx reductions from this project, as calculated using the AFLEET 2019 tool (see above) are 0.625 tons over 10 years assuming moderate use of the chargers, and 1.0 ton over 10 years assuming high use of the chargers. These estimates do not include the expected increase in the number of EVs in use due to the deployment of more EV chargers.

Describe how the Beneficiary will make documentation publically available (5.2.7.2):

NDEE maintains a series of webpages describing the Nebraska Diesel Emission Mitigation Program under the Volkswagen Diesel Emissions Environmental Mitigation Trust for State Beneficiaries. The main Volkswagen Trust webpage, which outlines the mitigation actions eligible for funding and their status, can be found at <http://deq.ne.gov/NDEQProg.nsf/OnWeb/AirVW>. Copies of funding request certifications to the Trustee will be available through links on this web page. A separate web page (<http://deq.ne.gov/NDEQProg.nsf/OnWeb/AirVW-4>) lists the expected recipients of electric vehicle charging equipment rebates.

All application materials, reimbursement requests, and required documentation submitted by applicants and rebate recipients for Nebraska's Diesel Emission Mitigation program are archived in Nebraska's Enterprise Content Management (ECM) system and are available to the public through a Public Records Search web page accessed through the NDEE website. Also see Attachment C.

Describe any cost-share requirement to be placed on each NOx source proposed to be mitigated (5.2.8):

Electric vehicle charging rebate recipients will be reimbursed up to 80% of the costs for a DC Fast Charging site and 50% for a Level 2 Charging site. The recipients are responsible for the remaining costs (recipient match). Several electric utilities in the state are providing funds to recipients in their service area equal to half of the recipient match amount.

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)

The projects in this program are not specifically targeted toward mitigating the impacts of NOx emissions on communities that have historically borne a disproportionate share of the adverse impacts of NOx emissions. However, most of the electric vehicle charging stations to be installed under this program will be in more populated areas where emissions are higher and many vulnerable people reside. By encouraging an increase in the number and use of electric vehicles, this action should reduce vehicle emissions that affect these populated areas and the broader region, including disadvantaged communities.

ATTACHMENT B

PROJECT MANAGEMENT PLAN INCLUDING DETAILED BUDGET AND IMPLEMENTATION AND EXPENDITURES TIMELINE (5.2.4)

This funding request will provide advance funds to the Nebraska Department of Environment and Energy (NDEE), enabling the Department to provide rapid reimbursement to recipients of Electric Vehicle Charging Rebates under the Nebraska Diesel Emission Mitigation Program. The actions covered by this funding request are consistent with Eligible Mitigation Action 9 (Light Duty Zero Emission Vehicle Supply Equipment) of the State Trust Agreement and with Nebraska’s Beneficiary Mitigation Plan (page 7: Zero Emission Vehicle Charging Infrastructure and page 10: Eligible Actions Based on Demand).

PROJECT SCHEDULE AND TIMELINE, NEBRASKA ELECTRIC VEHICLE CHARGING REBATE PROGRAM

Project Milestone	Date
Program information and application materials posted on agency website.	1 August 2019
Deadline for submission of applications	15 November 2019
Review of applications	18 November 2019 - 20 December 2019
Selection notification to rebate recipients	7 January 2020
NDEE finalizes project agreements with rebate recipients	March 2020
NDEE submits Project Certification and Funding Direction for Advance Funding	March 2020
Trustee allocates Advanced Funding to NDEE	June 2020
NDEE reviews reimbursement requests from recipients and provides payment for projects as completed	July 2020 – March 2022
NDEE reports on project progress	January & July 2021 January & July 2022
Deadline for completion of projects	31 March 2022
NDEE reports project completion	June 2022

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PROJECT BUDGET

Period of Performance: March 2020 – March 2022			
Budget Category	Share of Total Budget to be Funded by the Trust	Cost-Share to be Paid by Project Recipient	Total Budget Amount
Electric Vehicle Charging Equipment	\$ 715,872	\$ 292,399	\$ 1,008,271
Installation, Utility Upgrades, Network Data Plans and Maintenance Plans	\$ 1,102,351	\$ 449,611	\$ 1,551,962
Subrecipient Support	\$ 0	\$ 0	\$ 0
<u>Administrative Costs (5%)</u> Program planning, development, outreach, and administration	\$ 90,911	\$ 0	\$ 90,911
Project Totals	\$ 1,909,134	\$ 742,010	\$ 2,651,144
Percentage	72%	28%	100%

FUNDING REQUESTS: PREVIOUS, CURRENT, AND PLANNED

	Requests to be paid through the Trust	Cost-Share	Total Project Funding
1. 2017 DERA Program Projects (previous)	\$ 287,243	\$ 687,880	\$ 975,123
2. 2018 School Bus Rebates (previous)	\$ 1,891,527	\$ 2,526,044	\$ 4,417,571
3. 2018 Transit Bus Rebates (previous)	\$ 1,255,206	\$ 2,235,165	\$ 3,490,371
4. 2018 DERA Program Projects (previous)	\$ 775,212	\$ 932,659	\$ 1,707,871
5. 2019 School Bus Rebates (previous)	\$ 2,758,981	\$ 3,392,200	\$ 6,151,181
6. Electric Vehicle Charging Rebates (current)	\$ 1,909,134	\$ 742,010	\$ 2,651,144
7. 2019 DERA Program Projects (pending)	\$ 525,969	\$ 722,601	\$ 1,248,570
8. 2020 School Bus Rebates (planned)	\$ 1,962,135	\$ 1,868,700	\$ 3,830,835
TOTALS	\$ 11,365,407	\$ 13,107,259	\$ 24,472,666

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PROJECTED ANNUAL TRUST ALLOCATIONS

	2020	2021	2022
1. Anticipated Annual Project Funding Request to be paid through the Trust	\$ 4,397,238	\$ 377,524	\$ 377,524
2. Anticipated Annual Cost Share	\$ 3,333,311	\$ 490,782	\$ 490,782
3. Anticipated Total Project Funding by Year (line 1 plus line 2)	\$ 7,730,549	\$ 868,306	\$ 868,306
4. Cumulative Trustee Payments Made in Previous Years Against Cumulative Approved Beneficiary Allocation	\$ 6,968,169	\$ 11,365,407	\$ 11,742,931
5. Current Beneficiary Project Funding to be paid through the Trust (line 1)	\$ 4,397,238	\$ 377,524	\$ 377,524
6. Total Funding Allocated to Beneficiary, inclusive of Current Action by Year (line 4 plus line 5)	\$ 11,365,407	\$ 11,742,931	\$ 12,120,456
7. Beneficiary Share of Estimated Funds Remaining in Trust at Start of Year	\$ 5,280,179	\$ 882,941	\$ 505,417
8. Net Beneficiary Funds Remaining in Trust, net of cumulative Beneficiary Funding Actions (line 7 minus line 5)	\$ 882,941	\$ 505,417	\$ 127,892

ATTACHMENT C

**DETAILED PLAN FOR REPORTING ON
ELIGIBLE MITIGATION ACTION IMPLEMENTATION (5.2.11)**

The Nebraska Department of Environment and Energy (NDEE) will provide detailed reporting on this funding request under Eligible Mitigation Action 9 (Light Duty Zero Emission Vehicle Supply Equipment) in two ways: 1) timely updates to NDEE’s Volkswagen Environmental Mitigation Trust – Nebraska Diesel Emission Mitigation Program web pages; and 2) semi-annual reports to the Trustee as required by subparagraph 5.3 of the Environmental Mitigation Trust Agreement for State Beneficiaries.

NDEE Website

NDEE maintains a series of webpages describing the Nebraska Diesel Emission Mitigation Program under the Volkswagen Diesel Emissions Environmental Mitigation Trust for State Beneficiaries. The main Volkswagen Trust webpage, which outlines the mitigation actions eligible for funding and their status, can be found at <http://deq.ne.gov/NDEQProg.nsf/OnWeb/AirVW>. Copies of funding request certifications to the Trustee will be available through this web page. Separate web pages for individual project categories are developed and posted as funding programs open; these pages track the status, progress, and results for projects under these funding categories.

All application materials, reimbursement requests, and required documentation submitted by applicants and rebate recipients for Nebraska’s Diesel Emission Mitigation program are archived electronically in Nebraska’s Enterprise Content Management (ECM) system and are available to the public through a Public Records Search web page accessed through the NDEE website.

Semi-Annual Reports to the Trustee

As required by subparagraph 5.3 of the Environmental Mitigation Trust Agreement for State Beneficiaries, NDEE will submit a report to the Trustee no later than January 30 and July 30 each year for the preceding 6-month periods. These reports will describe the progress implementing this and any other Eligible Mitigation Action ongoing during the reporting period. These reports will include a summary of all costs expended and a complete description of the status (including the actual or projected termination date), development, implementation, and any modification of the Eligible Mitigation Action. These semi-annual reports to the Trustee will be available for public access through links on the main Volkswagen Trust page on the NDEE website.

ATTACHMENT D

**DETAILED COST ESTIMATES FROM SELECTED VENDORS
FOR EACH PROPOSED EXPENDITURE EXCEEDING \$25,000 (5.2.6)**

DC Fast Charging Equipment

The selected applicants obtained low quotes for DC Fast Chargers from a small number of vendors. The costs shown in the table below include the charger, shipping, and activation fee.

Vendor	Manufacturer	Power (kW)	Cost Range
Carbon Day	ChargePoint	62.5	\$38,700 - \$39,200
Electric Transportation Partners	ChargePoint	62.5	\$32,380-\$36,720
Greenlots	Tritium	50	\$28,255

Charging Station Installation Costs

Installation costs for commercial electric vehicle chargers can vary greatly depending on the site characteristics and location of the charger in relation to electric service. A small number of projects received low quotes for installation of the charging station in excess of \$25,000. These quotes are listed below by project.

Project	Equipment	Vendor	Quote
B&R Stores Super Saver – Columbus	DC Fast + Level 2	Sentry Electric	\$30,060
Charge Express – Geneva	DC Fast + Level 2	Capital City Electric	\$25,250
Lincoln Public Schools	7 Level 2	Greg Electric	\$61,900
Nebraska Innovation Campus	DC Fast + Level 2	JK Electric	\$40,655
OPPD – Casey’s General Store – Blair	DC Fast + Level 2	Greenlots	\$69,500
OPPD – City of La Vista	DC Fast + Level 2	Greenlots	\$74,000
OPPD – City of Omaha I-480 Parking	DC Fast + Level 2	Greenlots	\$69,500
OPPD – Casey’s General Store – North Bend	DC Fast + Level 2	Greenlots	\$69,500
OPPD – Casey’s General Store – Syracuse	DC Fast + Level 2	Greenlots	\$69,500

Electric Utility Upgrades for DC Fast Charging Stations

Some DC Fast Charging Stations required significant upgrades in transformers and other electric utility infrastructure in order to adequately power the charger(s). Quotes for utility upgrade costs for several projects (listed below) exceeded \$25,000.

Project	Utility	Quote
Nebraska City DC Fast Charger	Nebraska City Utilities	\$31,914
OPPD – City of Omaha I-480 Parking	Omaha Public Power District	\$47,000
OPPD – Casey’s General Store- Syracuse	Omaha Public Power District	\$30,000