

**APPENDIX D-4**  
**Beneficiary Eligible Mitigation Action Certification**

Missouri Funding Request #9

Project ID: Cat 1-EMA2 FY19-002

## BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

---

Beneficiary State of Missouri

Lead Agency Authorized to Act on Behalf of the Beneficiary Missouri Department of Natural Resources  
*(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)*

<b>Action Title:</b>	School Bus Award Category – FY2019-2
<b>Beneficiary's Project ID:</b>	Cat 1-EMA2 FY19-002
<b>Funding Request No.</b>	9
<b>Request Type: (select one or more)</b>	<input type="checkbox"/> Reimbursement <span style="float: right;"><input checked="" type="checkbox"/> Advance</span> <input type="checkbox"/> Other (specify): _____
<b>Payment to be made to: (select one or more)</b>	<input checked="" type="checkbox"/> Beneficiary <input type="checkbox"/> Other (specify): _____
<b>Funding Request &amp; Direction (Attachment A)</b>	<input checked="" type="checkbox"/> Attached to this Certification <input type="checkbox"/> To be Provided Separately

### SUMMARY

<b>Eligible Mitigation Action Type</b>	<input checked="" type="checkbox"/> Appendix D-2 item (specify): <u>Item 2: Class 4-8 School Bus, Shuttle Bus, or Transit Bus (Eligible Buses)</u> <input type="checkbox"/> Item 10 - DERA Option (5.2.12) (specify and attach DERA Proposal):
<b>Explanation of how funding request fits into Beneficiary's Mitigation Plan (5.2.1):</b>	
Missouri's BMP allocates \$12 million to school bus replacements. This funding request will fund school bus replacements throughout the state. The project will reduce NO <sub>x</sub> emissions and help upgrade the state's school bus fleet. The main benefactors of the project will be school-aged children.	
<b>Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2):</b>	
School bus replacements reduce NO <sub>x</sub> emissions. School buses operate five days a week in highly populated areas. Newer buses are safer, more fuel-efficient, require less maintenance, and are over 90 percent cleaner than older school buses. Cleaner school bus emissions mean significantly less acute exposure to concentrated diesel emissions for students and drivers.	
<b>Estimate of Anticipated NO<sub>x</sub> Reductions (5.2.3):</b>	
Per Missouri's BMP, the department estimates that the \$12 million dedicated to school bus projects will achieve an estimated 80-120 tons of lifetime NO <sub>x</sub> emission reductions. This funding request represents approximately 30 percent of the total funding Missouri has dedicated to school buses. Based on this percentage, the projects funded through this funding request will achieve an estimated 24-36 tons of lifetime NO <sub>x</sub> emission reductions. The department will calculate the emission reductions from each individual project implemented based on the characteristics of the actual buses replaced and include the calculated emission reductions in the semi-annual reports the department will submit to the trustee.	
<b>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):</b>	
Missouri Department of Natural Resources	
<b>Describe how the Beneficiary will make documentation publicly available (5.2.7.2).</b>	
The Missouri Department of Natural Resources, as lead agency for the state of Missouri implementing the Environmental Mitigation Plan, has established a webpage on the VW Trust and mitigation actions, <a href="https://dnr.mo.gov/env/apcp/vw">https://dnr.mo.gov/env/apcp/vw</a> .	
<b>Describe any cost share requirement to be placed on each NO<sub>x</sub> source proposed to be mitigated (5.2.8).</b>	
For approximately 24 of the buses at schools that meet certain financial and school bus fleet age criteria, the Trust will pay 100% of the cost. For the remaining bus replacements, the Trust will provide 25% of the cost up to \$22,000 per bus, and the fleet owners will pay the remaining cost.	
<b>Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9).</b>	
On February 28, 2018, the Department notified the Department of Interior, including the National Park Service and U.S. Fish and Wildlife Service, and the Department of Agriculture, including the Forest Service of the availability of VW funds for locations within Missouri. The Department did not receive notice from any federal agency indicating interest in these funds.	
<b>If applicable, describe how the mitigation action will mitigate the impacts of NO<sub>x</sub> emissions on communities that have historically borne a disproportionate share of the adverse impacts of such emissions (5.2.10).</b>	
Approximately 24 of the bus replacements target schools that meet certain financially disadvantaged criteria. In addition, all of the projects will benefit school-aged children, which are a sensitive population. As a sensitive population, children bear an increased share of the air pollution burden.	

**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 Missouri, 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)

  
\_\_\_\_\_  
[SIGNATURE]

JAN 29 2019

\_\_\_\_\_  
[DATE]

**DARCY BYBEE**  
\_\_\_\_\_  
[NAME]

**AIR POLLUTION CONTROL**  
**PROGRAM DIRECTOR**  
\_\_\_\_\_  
[TITLE]

**MISSOURI DEPARTMENT OF**  
**NATURAL RESOURCES**  
\_\_\_\_\_  
[LEAD AGENCY]

For

**STATE OF MISSOURI**  
\_\_\_\_\_  
[BENEFICIARY]

**ATTACHMENT B**

**Beneficiary Eligible Mitigation Action Certification – Missouri Funding Request #9  
Project ID: Cat 1-EMA2 FY19-002**

**Eligible Mitigation Action Management Plan Including Detailed Budget and  
Implementation and Expenditures Timeline**

**PROJECT MANAGEMENT PLAN**

**PROJECT SCHEDULE AND MILESTONES**

<b>Milestone</b>	<b>Date</b>
Lead agency provides notice of availability of mitigation action funds	August 2018
Due date for project sponsors to submit proposals to lead agency	September 2018
Lead agency provides approval of successful project sponsors' proposals	January/February 2019
Recipients complete procurement and submit purchase orders	Project approval + 1 months
Buses delivered to project sponsors	Project approval + 3 months
Project sponsors submit evidence of vehicle scrapping, invoices, proof of payment, and other documents required for reimbursement	Project approval + 3.5 months
Lead agency reviews, requests corrections if necessary, certifies project completion, and provides reimbursement	Project approval + 4 months
Lead agency reports to Trustee on status of and expenditures with mitigation actions completed and underway	Within 6 months of first disbursement; Jan. 30 and July 30 thereafter

**PROJECT BUDGET**

<b>Period of Performance: <u>July 2018 – June 2019</u></b>			
<b>Budget Category</b>	<b>Total Approved Budget</b>	<b>Share of Total Budget to be Funded by the Trust</b>	<b>Cost-Share, if applicable (Project Sponsors)</b>
1. Equipment Expenditure	\$6,912,000	\$3,528,000	\$3,384,000
2. Contractor Support <i>(Provide List of Approved Contractors as Attachment with approved funding ceilings)</i>	\$0	\$0	\$0
3. Subrecipient Support <i>(Provide List of Approved Subrecipients or Grant Awardees as Attachment with approved funding ceilings)</i>	\$0	\$0	\$0
4. Administrative <sup>1</sup>	\$65,615	\$65,615	\$0
<b>Project Totals</b>	\$6,977,615	\$3,593,615	\$3,384,000
<b>Percentage</b>	100%	51.5%	48.5%

<sup>1</sup> Subject to Appendix D-2 15% administrative cap.



**Beneficiary Eligible Mitigation Action Certification – Missouri Funding Request #6**  
**Project ID: Cat 2-EMA1 FY19-002**

**PROJECTED TRUST ALLOCATIONS**

	<b>FY 2019</b> (July 2018-June 2019)	<b>FY 2020</b>	<b>FY 2021-28</b>
1. Anticipated Annual Project Funding Requests to be paid through Trust	\$ 7,348,201	\$ 14,723,117	\$ 19,080,733
2. Anticipated Annual Cost Share	\$ 9,630,831	\$ 18,708,813	\$ 24,088,846
3. Anticipated Total Project Funding by Year (line 1 plus line 2)	\$ 16,979,032	\$ 33,431,930	\$ 43,169,579
4. Cumulative Trustee Payments made to Date Against Cumulative Approved Beneficiary Allocation	\$ -	\$ 7,348,201	\$ 22,071,318
5. Current Beneficiary Project Funding to be paid through the Trust (line 1)	\$ 7,348,201	\$ 14,723,117	\$ 19,080,733
6. Total Funding Allocated to Beneficiary, inclusive of Current Action by Year (line 4 plus line 5)	\$ 7,348,201	\$ 22,071,318	\$ 41,152,051
7. Beneficiary Share of Estimated Funds Remaining in Trust	\$ 41,152,051	\$ 33,803,850	\$ -
8. Net Beneficiary Funds Remaining in Trust, net of cumulative Beneficiary Funding Actions (line 7 minus line 6)	\$ 33,803,850	\$ 19,080,733	\$ -

## **ATTACHMENT C**

### **Detailed Plan for Reporting on Eligible Mitigation Action Implementation (5.2.11)**

Records of the applicant, selected projects, and financial reports will be made available on the department VW webpage in the form of a report to coincide with reporting requirements listed in the trust. Records may also be obtained through the state sunshine request portal.

**ATTACHMENT D**

**Detailed cost estimates from selected or potential vendors for each proposed expenditure exceeding \$25,000 (5.2.6)**

**Beneficiary Eligible Mitigation Action Certification – Missouri Funding Request #9**

Project ID: Cat 1-EMA2 FY19-002

School Bus Replacement Projects

Bus Style	Diesel	Propane	Compressed Natural Gas
Type A	\$60,000 - \$85,000	\$65,000 - \$95,000	\$75,000 - \$105,000
Type B	NA	NA	NA
Type C	\$88,000 - \$120,000	\$100,000 - \$130,000	\$110,000 - \$150,000
Type D	\$100,000 - \$140,000	NA	NA

The department reviewed invoices for school bus purchases that schools have made in recent grants the department administered. School buses are classified by type that reflects passenger capacity and body style. Approximately 90 percent of the school buses purchased through this funding request will be diesel-powered, based on the applications that schools submitted. The other ten percent will be powered by alternative fuel (either propane or natural gas) based on the applications received. The department did not receive any applications for electric school bus purchases in this application round.