

APPENDIX D-4
Beneficiary Eligible Mitigation Action Certification

BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

Beneficiary State of West Virginia

Lead Agency Authorized to Act on Behalf of the Beneficiary WVDOT/Division of Highways
(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:	WV Division of Highways Equipment Replacement
Beneficiary's Project ID:	VW003
Funding Request No.	<i>(sequential)</i> 1
Request Type: (select one or more)	<input type="checkbox"/> Reimbursement <input type="checkbox"/> Advance <input checked="" type="checkbox"/> Other (specify): <u>per future Attachment A</u>
Payment to be made to: (select one or more)	<input type="checkbox"/> Beneficiary <input checked="" type="checkbox"/> Other (specify): <u>per future Attachment A</u>
Funding Request & Direction (Attachment A)	<input type="checkbox"/> Attached to this Certification <input checked="" type="checkbox"/> To be Provided Separately

SUMMARY

Eligible Mitigation Action	<input checked="" type="checkbox"/> Appendix D-2 item (specify): <u>Cat 1: Class 8 Local Freight Trucks</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): This action is explicitly stated as Priority #3 in the Mitigation Plan	
Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2): See attached documentation. In summary, this action replaces 51 Class 8 Local Freight Trucks in various Counties in accordance with the intent of the Mitigation Plan in terms of Community and AQ benefits.	
Estimate of Anticipated NOx Reductions (5.2.3): 4.8 tons per year. See attached documentation for details.	
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): WV State Auditor's Office, 1900 Kanawha Blvd. East, Building 1, Room W-100, Charleston, WV 25305	
Describe how the Beneficiary will make documentation publicly available (5.2.7.2). Posted to go.wv.gov/volkswagen in accordance with Appendix D-3 filing and the Mitigation Plan	
Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8). None	
Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9). Notice emails were sent to agencies in accordance with the Trust Agreement	

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

WVDEP Division of Air Quality has certified compliance of this action by geographical analysis

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.]

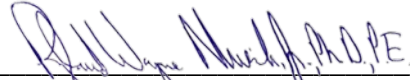
CERTIFICATIONS

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

1. This application is submitted on behalf of Beneficiary State of West Virginia, 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: 4-7-20



Ryland W. Musick, Jr., PhD, PE
Deputy State Highway Engineer
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: WV Division of Highways Equipment Replacement

BENEFICIARY PROJECT ID: VW003

FUNDING REQUEST NUMBER: 1

This action is proposed as a simple one-time equipment purchase of 51 Category 1, Class 8 Local Freight Trucks in the total amount of exactly \$8,524,964.16 per the common statewide purchasing contract for such vehicles.

Beneficiary intends to submit Attachment A as soon as Beneficiary identifies internal procedures to receive the funds by electronic transfer.

Approximate date of single electronic transfer: MAY-JUN 2020

DETAILED PLAN FOR REPORTING ON ELIGIBLE MITIGATION ACTION IMPLEMENTATION

ACTION TITLE: WV Division of Highways Equipment Replacement

BENEFICIARY PROJECT ID: VW003

FUNDING REQUEST NUMBER: 1

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.*

ATTACHMENT "D"

EXHIBIT_A PRICING PAGE

CMA 0803 DOT1800000041

Class 371 41,000 GVWR Single Axle Dump Truck					
Item No.	Description:	Make/Model & Year	Unit Quantity	Unit Price	Item Total Cost
1	Complete Unit: Cab Chassis/Dump Body w/Hyd. System w/Front 10' snow plow & V-box spreader	MAKE: International MODEL: 7500 YEAR: 2019 Viking		\$ 167,156.16	\$ -
2	Complete Unit: Cab Chassis/Dump Body w/Hyd. System, w/Front 11' snow plow & V-box spreader	MAKE: International MODEL: 7500 YEAR: 2019 Viking		\$ 167,251.16	\$ -
Total Cost					\$ -

VENDOR: [Worldwide Equipment](#)
 CONTACT NAME: [Matt Cochran](#)
 CONTACT PHONE: [304-345-2490](#)
 CONTACT EMAIL: matt.cochran@thetruckpeople.com

Bid will be awarded to the lowest overall bid total for all items

McCutcheon, Perry J

From: Chakrabarty, Renu M
Sent: Thursday, October 31, 2019 11:37 AM
To: Ray, Travis L; McCutcheon, Perry J
Cc: Campbell, A Todd; Kemper, Matt A; Fewell, David R
Subject: RE: VW - Diesel Emissions Quantifier results for DOH trucks and WVU buses
Attachments: VW Single Axle List 10-11-19.DEP.Analysis.xlsx

Categories: AQ

We are pleased to share the Diesel Emissions Quantifier (DEQ) results based on using the data provided by DOH and WVU.

In all cases, NOx reductions will be realized by the planned vehicle replacements. In the attached spreadsheet, there is a notes page with technical information for the trucks as well as the buses so that the DEQ results may be recreated, if needed.

We have provided individual calculations for each vehicle for maximum flexibility in how DOH chooses proceed with grouping these for VW reporting/reimbursement purposes.

Thank you,
Renu and Matt

Emission reductions and health benefits were calculated using EPA's Diesel Emissions Quantifier (DEQ) found here: <https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>

'REPLACEMENT LIST' data provided by DOH

'Sheet1' data provided by DOH and not used

WVDEP analysis begins on 'REPLACEMENT LIST', column AF

For all vehicles:

Old Dump Truck type: Short Haul - Single Unit

Old Dump Truck Fuel Type: Diesel

Old Dump Truck Annual Fuel Use: Calculated using the following formula: Total fuel used / (2019 - model year)

Old Dump Truck VMT: As provided

Old Dump Truck Idling Hours: As provided

Old Dump Truck Model Year: As Provided

Replacement Year: 2019

Service Years Remaining: 1 (DEQ Minimum)

New Dump Truck Model Year: 2019

167,156.16 is the cost per unit

New Dump Truck Fuel Type: Diesel

New Dump Truck Annual Fuel Use: Same as Old Dump Truck*

For Health Benefit:

State: WV

County: As provided

Percent: 100

* Fuel useage for the new dump trucks was provided by DOH and can be found under 'REPLACEMENT LIST', column AE titled 'Estimated Average Fuel Use (Gallons)'

* DOH estimated ALL vehicles will use 2800 gallons of diesel annually.

* Based on the historic fuel useage patterns of the old dump trucks, it was determined that 2800 gallons, while roughly the old fleet average, is a large over estimation in many cases.

* With new engines being more fuel efficient, it is not reasonable to estimate that the new dump trucks will use 2800 gallons of diesel.

* Therefore annual fuel useage for each old vehicle was used for it's new replacement.

* The rationale being that vehicle useage patterns of the new trucks will likely not appreciably change, however fuel efficieny will improve.

* Using the old fuel consumption data will produce a more realistic emissions estimation while still being conservative.

Current as of Oct. 31, 2019

District	ED Number	License	Class	Description	VIN	Make	Model	Year	GVW	Engine Make	Engine Model	Fuel	HP	County	Assigned County	Engine Hours	Fuel Used (Gallons)
1	371-0943	SB004770	8	Single Axle Dump Truck	1HTWDAARX4J092951	International	7400	2004	37,500	International	DT-466E	Diesel	250	Kanawha	Kanawha	10,395	22,752.79
1	371-0944	SB002766	8	Single Axle Dump Truck	1HTWDAAR34J092953	International	7400	2004	37,500	International	DT-466E	Diesel	250	Kanawha	Kanawha	15,779	36,583.31
1	371-0964	SB004771	8	Single Axle Dump Truck	1HTWDAARX4J092965	International	7400	2004	37,500	International	DT-466E	Diesel	250	Kanawha	Kanawha	12,751	31,968.41
1	371-1005	SB002788	8	Single Axle Dump Truck	1HTWDAAR65J058281	International	7400	2005	37,500	International	DT-466E	Diesel	270	Kanawha	Kanawha	15,384	37,082.61
1	371-1006	SB002784	8	Single Axle Dump Truck	1HTWDAAR55J058286	International	7400	2005	37,500	International	DT-466E	Diesel	270	Mason	Mason	16,539	46,326.44
1	377-0486	SB002841	8	Tandem Axle Dump Truck	2FZHACZCV39AAH7542	Sterling	LT9511	2009	64,000	Mercedes Benz	12.8 Liter	Diesel	370	Kanawha	Putnam	6,007	22,987.56
2	377-0473	SB002849	8	Tandem Axle Dump Truck	2FZHACZCV99AAH2507	Sterling	LT9511	2009	64,000	Mercedes Benz	12.8 Liter	Diesel	370	Cabell	Cabell	3,903	15,552.74
2	377-0484	SB003606	8	Tandem Axle Dump Truck	2FZHACZCV9AAH2497	Sterling	LT9511	2009	64,000	Mercedes Benz	12.8 Liter	Diesel	370	Cabell	Cabell	3,240	17,133.32
3	371-0928	SB002785	8	Single Axle Dump Truck	1HTWDAAR63J077071	International	7400	2003	37,500	International	DT-466E	Diesel	250	Wood	Ritchie	16,149	35,209.36
3	371-1052	SB003603	8	Single Axle Dump Truck	2FZAATBS08AZ84450	Sterling	L7500	2008	37,600	Cummins	ISC	Diesel	260	Wood	Roane	11,746	32,182.84
3	371-0966	SB001357	8	Single Axle Dump Truck	1HTWDAAR15J038262	International	7400	2005	37,500	International	DT-466E	Diesel	270	Wood	Wood	17,663	41,528.97
3	371-1021	SB002778	8	Single Axle Dump Truck	1HTWDAAR45J058280	International	7400	2005	37,500	International	DT-466E	Diesel	270	Jackson	Jackson	17,614	48,640.62
4	371-0892	SB002780	8	Single Axle Dump Truck	1HTWDAAR53J068894	International	7400	2003	37,500	International	DT-466E	Diesel	250	Harrison	Cabell	23,427	45,728.75
4	371-0904	SB002793	8	Single Axle Dump Truck	1HTWDAAR73J068900	International	7400	2003	37,500	International	DT-466E	Diesel	250	Marion	Marion	19,727	41,476.19
4	371-0908	SB002822	8	Single Axle Dump Truck	1HTWDAAR93J068879	International	7400	2003	37,500	International	DT-466E	Diesel	250	Marion	Harrison	20,722	40,568.84
4	371-0939	SB004769	8	Single Axle Dump Truck	1HTWDAARX3J077073	International	7400	2003	37,500	International	DT-466E	Diesel	250	Monongalia	Monongalia	15,807	41,775.17
4	371-0949	SB002762	8	Single Axle Dump Truck	1HTWDAAR24J092961	International	7400	2004	37,500	International	DT-466E	Diesel	250	Preston	Preston	22,126	53,278.15
4	371-1023	SB003386	8	Single Axle Dump Truck	2FZAATBS88AZ84423	Sterling	L-7500	2008	37,600	Cummins	ISC	Diesel	260	Harrison	Harrison	11,662	28,925.57
4	371-1040	SB000235	8	Single Axle Dump Truck	2FZAATBS88AZ84440	Sterling	L-7500	2008	37,600	Cummins	ISC	Diesel	260	Preston	Preston	12,521	39,936.08
4	371-1042	SB003374	8	Single Axle Dump Truck	2FZAATBS38AZ84443	Sterling	L-7500	2008	37,600	Cummins	ISC	Diesel	260	Preston	Wood	11,804	37,965.73
5	371-0867	SB002754	8	Single Axle Dump Truck	1HTWDAAR13J068861	International	7400	2003	37,500	International	DT-466E	Diesel	250	Mineral	Mineral	19,379	51,892.90
5	371-0877	SB002771	8	Single Axle Dump Truck	1HTWDAAR43J068871	International	7400	2003	37,500	International	DT-466E	Diesel	250	Morgan	Morgan	11,869	29,354.12
5	371-0897	SB002761	8	Single Axle Dump Truck	1HTWDAAR23J068898	International	7400	2003	37,500	International	DT-466E	Diesel	250	Berkeley	Berkeley	14,431	33,105.13
5	371-0947	SB002756	8	Single Axle Dump Truck	1HTWDAAR14J092952	International	7400	2004	37,500	International	DT-466E	Diesel	250	Hampshire	Jefferson	15,947	46,094.26
5	371-1010	SB002753	8	Single Axle Dump Truck	1HTWDAAR05J058292	International	7400	2005	37,500	International	DT-466E	Diesel	270	Hampshire	Hampshire	18,882	46,596.93
5	371-1009	SB002770	8	Single Axle Dump Truck	1HTWDAAR35J058285	International	7400	2005	37,500	International	DT-466E	Diesel	270	Hardy	Hardy	17,702	51,983.27
6	371-0770	SB000785	8	Single Axle Dump Truck	1GDP7H1C5YJ511089	GMC	8500	2000	36,220	Caterpillar	3126B	Diesel	250	Marshall	Marshall	15,229	35,236.63
6	371-0881	SB04778	8	Single Axle Dump Truck	1HTWDAAR03J068866	International	7400	2003	37,500	International	DT-466E	Diesel	250	Ohio	Ohio	15,847	33,591.55
6	371-0995	SB003594	8	Single Axle Dump Truck	1HTWDAAR95J058257	International	7400	2005	37,500	International	DT-466E	Diesel	270	D6	Brooke	14,520	31,974.64
6	371-1020	SB002789	8	Single Axle Dump Truck	1HTWDAAR65J058295	International	7400	2005	37,500	International	DT-466E	Diesel	270	Marshall	Hancock	13,057	31,067.06
7	371-0946	SB002816	8	Single Axle Dump Truck	1HTWDAAR84J092950	International	7400	2004	37,500	International	DT-466E	Diesel	250	Upshur	Upshur	19,052	45,431.05
7	371-0976	SB002768	8	Single Axle Dump Truck	1HTWDAAR35J058237	International	7400	2005	37,500	International	DT-466E	Diesel	270	D7	Lewis	20,579	48,900.71
7	371-0978	SB004773	8	Single Axle Dump Truck	1HTWDAARX5J058235	International	7400	2005	37,500	International	DT-466E	Diesel	270	D7	Upshur	15,938	40,628.06
7	371-1003	SB002812	8	Single Axle Dump Truck	1HTWDAAR75J058287	International	7400	2005	37,500	International	DT-466E	Diesel	270	D7	Braxton	15,357	33,961.32
7	371-1018	SB002812	8	Single Axle Dump Truck	1HTWDAAR05J058289	International	7400	2005	37,500	International	DT-466E	Diesel	270	D7	Lewis	18,942	44,373.98
7	371-1036	SB003373	8	Single Axle Dump Truck	2FZAATBS38AZ84426	Sterling	L7500	2008	37,600	Cummins	ISC	Diesel	260	D7	Braxton	12,171	37,632.06
8	371-0882	SB002814	8	Single Axle Dump Truck	1HTWDAAR83J068887	International	7400	2003	37,500	International	DT-466E	Diesel	250	Randolph	Randolph	15,916	45,534.81
8	371-0956	SB002796	8	Single Axle Dump Truck	1HTWDAAR74J092969	International	7400	2004	37,500	International	DT-466E	Diesel	250	Randolph	Randolph	18,537	51,117.95
8	371-0982	SB002782	8	Single Axle Dump Truck	1HTWDAAR55J058241	International	7400	2005	37,500	International	DT-466E	Diesel	270	Randolph	Randolph	15,616	43,358.52
8	371-0984	SB002769	8	Single Axle Dump Truck	1HTWDAAR35J058240	International	7400	2005	37,500	International	DT-466E	Diesel	270	Pocahontas	Ritchie	14,762	45,635.27
9	371-0832	SB000219	8	Single Axle Dump Truck	1HTWDAAR53J068815	International	7400	2003	37,500	International	DT-466E	Diesel	250	D9	Greenbrier	15,563	33,127.49
9	371-0854	SB002791	8	Single Axle Dump Truck	1HTWDAAR73J068850	International	7400	2003	37,500	International	DT-466E	Diesel	250	D9	Greenbrier	19,764	53,426.13
9	371-0951	SB002795	8	Single Axle Dump Truck	1HTWDAAR74J092955	International	7400	2004	37,500	International	DT-466E	Diesel	250	D9	Greenbrier	17,204	47,413.69
9	371-0986	SB002827	8	Single Axle Dump Truck	1HTWDAAR95J058243	International	7400	2005	37,500	International	DT-466E	Diesel	270	D9	Fayette	21,595	58,858.80
9	371-0993	SB002818	8	Single Axle Dump Truck	1HTWDAAR85J058265	International	7400	2005	37,500	International	DT-466E	Diesel	270	D9	Fayette	17,753	46,934.78

9	371-1044	SB003379	8	Single Axle Dump Truck	2FZAATBS58AZ84458	Sterling	L7500	2008	37,600	Cummins	ISC	Diesel	260	Fayette	Fayette	13,438	35,037.15
10	371-0860	SB004777	8	Single Axle Dump Truck	1HTWDAAR03J068852	International	7400	2003	37,500	International	DT-466E	Diesel	250	D10	Raleigh	14,469	13,590.15
10	371-1029	SB003595	8	Single Axle Dump Truck	2FZAATBS98AZ84429	Sterling	L7500	2008	37,600	Cummins	ISC	Diesel	260	Raleigh	Raleigh	10,134	33,773.81
10	371-0940	SB002815	8	Single Axle Dump Truck	1HTWDAAR83J077069	International	7400	2003	37,500	International	DT-466E	Diesel	250	Raleigh	Raleigh	19,434	48,501.82
10	371-1051	SB003602	8	Single Axle Dump Truck	2FZAATBS48AZ84449	Sterling	L7500	2008	37,600	Cummins	ISC	Diesel	260	McDowell	Marshall	12,144	36,246.15
10	371-1063	SB003385	8	Single Axle Dump Truck	2FZAATBS78AZ84462	Sterling	L7500	2008	37,600	Cummins	ISC	Diesel	260	Wyoming	Ohio	12,756	40,375.80