

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

**BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION**

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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)*

<b>Action Title:</b>	
<b>Beneficiary's Project ID:</b>	
<b>Funding Request No.</b>	<i>(sequential)</i>
<b>Request Type:</b> (select one or more)	<input type="checkbox"/> Reimbursement <span style="margin-left: 200px;"><input type="checkbox"/> Advance</span> <input type="checkbox"/> Other (specify): _____
<b>Payment to be made to:</b> (select one or more)	<input type="checkbox"/> Beneficiary <input type="checkbox"/> Other (specify): _____
<b>Funding Request &amp; Direction (Attachment A)</b>	<input type="checkbox"/> Attached to this Certification <input type="checkbox"/> To be Provided Separately

**SUMMARY**

<b>Eligible Mitigation Action</b> <input type="checkbox"/> Appendix D-2 item (specify): _____ <b>Action Type</b> <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>
<b>Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2):</b>
<b>Estimate of Anticipated NOx Reductions (5.2.3):</b>
<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>
<b>Describe how the Beneficiary will make documentation publicly available (5.2.7.2).</b>
<b>Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8).</b>
<b>Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9).</b>

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**

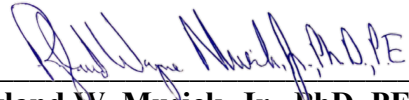
By submitting this application, the Lead Agency makes the following certifications:

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:**

4-9-20



**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: Kanawha Rapid Transit Agency (KRT) Bus Replacement*

*BENEFICIARY PROJECT ID: VW001*

*FUNDING REQUEST NUMBER: 2*

This action is proposed as a simple one-time equipment purchase reimbursement of one (1) Category 2: Class 4-8 School Bus, Shuttle Bus, or Transit Bus (Eligible Buses) in the total amount of exactly \$440,956.00 per the Invoice 65849 dated 6/7/2019.

Beneficiary intends to submit Attachment A as soon as Beneficiary executes reimbursement agreement with the Transit Agency.

Approximate date of Attachment A requesting direct payment to named Transit Agency: MAY-JUN 2020

DETAILED PLAN FOR REPORTING ON ELIGIBLE MITIGATION ACTION IMPLEMENTATION

*ACTION TITLE: Kanawha Rapid Transit Agency (KRT) Bus Replacement*

*BENEFICIARY PROJECT ID: VW001*

*FUNDING REQUEST NUMBER: 2*

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.*

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**From:** Kemper, Matt A  
**Sent:** Wednesday, July 24, 2019 10:36 AM  
**To:** Chakrabarty, Renu M; Robinson, Bill C  
**Cc:** McCutcheon, Perry J; Keller, Perry J  
**Subject:** VW - Transit Bus DEQ results  
**Attachments:** DEQ.09.19.Replacement.DetailedResults.xlsx

**Categories:** AQ, CC

All:

Please find attached the completed emissions and health benefit analysis related to the replacement of a MY2009 transit bus with an equivalent MY2019 under the provisions of the VW Settlement. The Diesel Emissions Quantifier (DEQ) results indicate replacement would reduce emissions. If you have any questions, let me know.

Matt Kemper  
Environmental Resources Analyst  
WV Department of Environmental Protection  
Division of Air Quality  
601 57th St., SE  
Charleston, WV 25304  
304-926-0499 x1105

# 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	<b>Complete Unit: Cab Chassis/Dump Body w/Hyd. System w/Front 10' snow plow &amp; V-box spreader</b>	MAKE: International MODEL: 7500 YEAR: 2019 Viking		\$ 167,156.16	\$ -
2	<b>Complete Unit: Cab Chassis/Dump Body w/Hyd. System, w/Front 11' snow plow &amp; V-box spreader</b>	MAKE: International MODEL: 7500 YEAR: 2019 Viking		\$ 167,251.16	\$ -
<b>Total Cost</b>					\$ -

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

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



## McCutcheon, Perry J

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**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



**INVOICE  
(BILL OF SALE)**

REMIT PAYMENT TO:  
GILLIG LLC  
P.O. BOX 45569  
SAN FRANCISCO, CA 94145-0569  
PHONE NO.: (800) 735-1500

**INVOICE NUMBER**                    **65849**  
**INVOICE DATE**                      **6/7/2019**

**SOLD TO**  
Kanawha Valley Regional Transportation Authority  
1550 4th Ave.  
Charleston, WV 25324

**SHIP TO**  
Kanawha Valley Regional Transportation Authority  
1550 4th Ave.  
Charleston, WV 25324

**CONTRACT NUMBER:** KRT-2016  
**CONTRACT DATE:**  
**P.O. NUMBER:** KRT Sect B Qty 6  
**P.O. DATE:** 8/13/2018

**BUS NO:** 1906  
**VIN NUMBER:** 15GGB2716K3192778  
**CHASSIS S/N:** 192778  
**ENGINE S/N:** 74492674  
**TRANSMISSION S/N:** 5202822

ONE GILLIG "LOW FLOOR" TRANSIT BUS, 35 FOOT LENGTH , IN COMPLIANCE WITH BID SPECIFICATIONS

UNIT PRICE AS OF PRICE SUMMARY DATED 4/19/19

\$440,956.00

**Federal Tax ID: 26-3085364**  
**Effective: 04/01/09**

**TOTAL INVOICE AMOUNT:                    \$440,956.00**

<b>Project</b>	Replace one (1) 2009 Gillig 35 foot "low floor" transit bus with one (1) 2019 Gillig 35 foot "low floor" transit bus.	
Average Annual VMT		57908
Average Annual Fuel Consumption in US Gallons		11742
Vehicle Lifespan Remaining in Years		1
Diesel Emissions Quantifier (DEQ)	<a href="https://cfpub.epa.gov/quantifier/index.cfm?action=main.home">https://cfpub.epa.gov/quantifier/index.cfm?action=main.home</a>	
DEQ run		22-Jul-19

**Notes/Methodology**

Transit buses are replaced at 500,000 miles OR 12 years  
 Most KVRTA buses meet the mileage lifespan in seven or eight years  
 Replacement funding is an additional variable dictating vehicle replacement intervals  
 Doug Hartley, of KRT, stated that current fleet age is 8-11 years  
 DEQ default lifespan remaining for a MY 2009 transit bus is nine (9) years, resulting is 19 years total life  
 Vehicle to be replaced is a MY 2009 and is ten (10) years old  
 Therefore, Vehicle Lifespan Remaining in Years used for this calculation was one (1) year; the minimum DEQ lifespan value which is still within current KRT fleet age range  
 VMT and Fuel Consumption values used were the same for MY2009 and MY2019 buses  
 Calculated MY2009 MPG is: 4.931698177  
 Access to MY2019 MPG data would likely result in greater emission reductions than those indicated  
 Percent VMT by county: 98% Kanawha, 1% Putnam, 1% Fayette

**Results**

<b>Emission Results</b>						
Annual Results (short tons)	NOx	PM2.5	HC	CO	CO2	Fuel
Baseline for Upgraded Vehicles/Engines	0.308	0.002	0.011	0.043	132.1	11,741
Amount Reduced After Upgrades	0.246	0.001	0.006	0.025	0	0
Percent Reduced After Upgrades	79.70%	48.80%	58.30%	58.30%	0.00%	0.00%
Lifetime Results (short tons)	NOx	PM2.5	HC	CO	CO2	Fuel
Baseline for Upgraded Vehicles/Engines	0.308	0.002	0.011	0.043	132.1	11,741
Amount Reduced After Upgrades	0.246	0.001	0.006	0.025	0	0
Percent Reduced After Upgrades	79.70%	48.80%	58.30%	58.30%	0.00%	0.00%

<b>Health Results</b>			
County and State	Annual Diesel PM2.5 Reduction (short tons)	Annual Benefits	Annualized Unit & Labor Costs
Kanawha, West Virginia	0.001	\$490 -	
Putnam, West Virginia	0	\$3 -	

Fayette, West Virginia	0	\$2 -	
Total	0.001	\$500	\$450,000

This file produced by WVDEP DAQ July 22, 2019  
Revised July 24, 2019

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																		
Population	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000



**Fleet Information**

Vehicle/Engine Class Number	Model Year	Sector	Vehicle/Engine/Equipment Code	Technology	Number of Vehicle/Engines Retrofitted
1	2009	Transit Bus	Transit Buses	Vehicle Replacement - Diesel	1

**Health Impacts Allocation**

County and State	Percent Reduction
Kanawha, West Virginia	98%
Putnam, West Virginia	1%
Fayette, West Virginia	1%

**Health Impacts Estimation Tool Results**

County and State	Annual Diesel PM2.5 Reduction (short tons)	Annual Cost	Annual Benefits
Kanawha, West Virginia	0.001	-	\$490
Putnam, West Virginia	0	-	\$3
Fayette, West Virginia	0	-	\$2
<b>Total</b>	0.001	\$450,000	\$500