

APPENDIX D-4
Beneficiary Eligible Mitigation Action Certification

BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

Beneficiary State of Indiana

Lead Agency Authorized to Act on Behalf of the Beneficiary Indiana Department of Environmental Management
(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:	Round 2 - DERA Option Awards
Beneficiary's Project ID:	Round 2 - Bulk Equipment Nonroad Replacements
Funding Request No.	<i>(sequential)</i> 39
Request Type: (select one or more)	<input checked="" 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 checked="" type="checkbox"/> Other (specify): <u>Grantee: Bulk Equipment Corp. as detailed in Attachment A</u>
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 type="checkbox"/> Appendix D-2 item (specify): _____
Action Type	<input checked="" 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 Appendix D-4 Summary Details attachment.	
Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2): See Appendix D-4 Summary Details attachment.	
Estimate of Anticipated NOx Reductions (5.2.3): See Appendix D-4 Summary Details attachment.	
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): See Appendix D-4 Summary Details attachment.	
Describe how the Beneficiary will make documentation publicly available (5.2.7.2). See Appendix D-4 Summary Details attachment.	
Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8). See Appendix D-4 Summary Details attachment.	
Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9). See Appendix D-4 Summary Details attachment.	

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 Appendix D-4 Summary Details attachment.

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 Indiana, 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: 28 December 2021

Valerie Tachtiris
[NAME] Valerie Tachtiris, Deputy
[TITLE] Assistant Commissioner

Indiana Department of Environmental Management

[LEAD AGENCY]

for

State of Indiana

[BENEFICIARY]

Appendix D-4 Summary Details

Eligible Mitigation Action Type:

Category 10: DERA Option

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

Indiana will generally fund all eligible mitigation action (EMA) types included in Appendix D-2 of the national consent decree. The Mission Statement and Overall Goals are described below:

In promoting the reduction of emissions of NO_x, the Indiana Volkswagen Environmental Mitigation Trust Fund Program will prioritize sustainable projects that are transformative, positively impacting the environment, enhancing the health and well-being of residents, and promoting Indiana's growing economy.

The Program will focus on technological change and advancement with resiliency and favoring use of domestic fuel, where possible.

The goals of the Indiana Volkswagen Mitigation Trust Program include:

- Improving air quality across Indiana through cost-effective NO_x emission reduction strategies
- Maximizing diesel emission reductions across Indiana, while considering various categories of sensitive populations as areas of specific focus
- Providing appropriate considerations to projects that have diesel emission reductions that go beyond just NO_x, including PM_{2.5}, hydrocarbons (HC), carbon monoxide (CO), and carbon dioxide (CO₂)
- Encouraging leveraging of project partner funds with VW Trust funds to further the reach of the Indiana program

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

This project is for the purchase, installation, operation, and maintenance of three (3) 2020 model-year, or newer, U.S. EPA emission compliant compressed-natural-gas-powered dump trucks to REPLACE three (3) of the Grantee's existing diesel-powered dump trucks that will be used for the same purpose. The replacement vehicle(s) will be located and operated in and around Michigan City, Indiana.

Compressed-natural-gas-powered trucks dramatically improve air quality and the quality-of-life conditions for drivers, technicians, and citizens in the areas of operation due to notably lower tailpipe emissions in addition to less noisy engine operations.

The lifetime estimated emission reductions of pollutants according to U.S. EPA's Diesel Emission Quantifier (DEQ) include 0.390 tons of nitrogen oxides (NO_x) and 0.019 tons of fine particulate matter (PM_{2.5}).

Estimate of Anticipated NO_x Reductions (5.2.3):

Over the lifetime of these trucks, U.S. EPA's DEQ model estimates this project will result in a NOx reduction of 0.390 tons.

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):

Indiana Department of Environmental Management

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

In October of 2017, IDEM published a website with specific information on the national mitigation trust as well as the Indiana program. The website included an opportunity to sign up for automated updates to make sure interested parties were always kept apprised of any changes made to the program website. This web portal will be the location for all information related to the Indiana Volkswagen Mitigation Trust Program.

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

Indiana will use Volkswagen Mitigation Trust funds to reimburse non-government owned fleet and equipment owners at the levels specified in Appendix D-2 of the national mitigation trust. IDEM will also use Volkswagen Mitigation Trust funds to reimburse government-owned fleets and equipment at the same level as non-government owned fleet and equipment owners, as opposed to the full cost reimbursement permitted by Appendix D-2.

Specifically, for this project, the Indiana Volkswagen Mitigation Trust Program will cover up to 25% of the total project cost while the Grantee and/or other programs covers the remaining 75%.

Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9):

The Indiana Department of Environmental Management notified representatives as identified in Appendix D-2 of the national consent decree via email in March of 2018.

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):

Not applicable to this specific project.

Attachment B Details

Project Schedule and Milestones:

Indiana announces Round 2 – DERA Option funding opportunity via online Request for Proposals (RFP)	October 1, 2020
Deadline for Round 2 – DERA Option program applications	November 25, 2020
Indiana notifies applicants of award decisions	January 13, 2021
Funding Agreement between Indiana and Grantee is fully executed	March 2, 2021
Grantee project implementation	March 2, 2021 to September 30, 2022
Indiana reviews programmatic, financial, and vehicle scrappage materials for compliance with Appendix D-2 of the national consent decree	Ongoing
Indiana submits Appendix D-4 to Trustee to initiate payment to Grantee in accordance with Payee Contact and Wire Information form along with other supporting documentation	December 22, 2021
Indiana coordinates with Trustee on any questions or issues that arise related to the submitted Appendix D-4	December 22, 2021 to D-4 approval
Trustee responds to Indiana Appendix D-4	Within 60 days of submittal
Trustee disburses payment to Grantee	Within 15 days of Appendix D-4 approval

Project Budget:

Project Description	Indiana VW Mitigation Trust Grant Not to Exceed Total	Grantee Cost Share Not Less than Total	Project Total
The purchase, installation, operation and maintenance of two (2) 2020 model-year, or newer, U.S. EPA emission compliant (Tier 4) diesel-powered articulated trucks that will REPLACE two (2) of the Grantee’s Pre-Tier 4 existing diesel-powered articulated trucks that will be used for the same purpose. The replacement vehicles will be located	\$115,000	\$345,000	\$460,000

and primarily operated at the Port of Indiana, Burns Harbor.			
Percentage	25%	75%	100%

State of Indiana Total Trust Allocation:

1) State of Indiana's Total Trust Allocation	\$40,935,880.59
2) Obligated Awards from Previous D-4 Submittals	\$8,592,551.60
3) State of Indiana's Net Remaining Allocation Prior to this D-4 Submittal	\$32,343,328.99
4) Current D-4 Funding Request Total	\$115,000.00
5) State of Indiana's Remaining Allocation After this D-4 Submittal	\$32,228,328.99

Projected Allocation Totals per Project Type:

	Total per Category	Annually Based on Expected Project Reimbursements
Total Trust	\$40,935,880.59	NA
To EV (15%) over 3 years (2021 to 2023)	\$6,140,382.09	\$2,046,794.03
To Admin (3%) over 4 years (2020 to 2023)	\$1,228,076.42	\$307,019.11
To EMAs (82%) over 3 years (2020 to 2022)	\$33,567,422.08	\$11,189,140.69

Projected Trust Allocations:

	2020	2021	2022	2023
1) Anticipated Annual Project Funding Request to be paid through the Trust	\$11,189,140.69	\$13,235,934.72	\$13,235,934.72	\$2,046,794.03
2) Anticipated Annual Cost Share (Administrative Costs)	\$307,019.11	\$307,019.11	\$307,019.11	\$307,019.11
3) Anticipated Total Project Funding by Year (Line 1 + Line 2)	\$11,496,159.80	\$13,542,953.83	\$13,542,953.83	\$2,353,813.14
4) Cumulative Trustee Payments Made to Date Against Cumulative Approved Beneficiary Allocation	\$3,895,454.40	\$4,595,898.20		
5) Current Beneficiary Project Funding to be paid through the Trust (Line 1)	\$101,199.00	\$115,000.00		
6) Total Funding Allocated to Beneficiary, inclusive of Current Action by Year (Line 4 + Line 5)	\$3,996,653.40	\$4,710,898.20		
7) Beneficiary Share of Estimated Funds Remaining in Trust at Beginning of Year	\$40,935,880.59	\$36,939,227.19		
8) Net Beneficiary Funds Remaining in Trust, net of cumulative Beneficiary Funding Actions (Line 7 – Line 6)	\$36,939,227.19	\$32,228,328.99		

Attachment C Details

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

The Indiana Department of Environmental Management (IDEM) is committed to meet the reporting requirements as detailed in Subparagraph 5.3 of the Environmental Mitigation Trust Agreement for State Beneficiaries. Specifically, this subparagraph states:

“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.”

IDEM will meet these obligations in coordination with our project partners. Project partners are obligated to provide IDEM the necessary information for reports to the Trustee through the Funding Agreements between IDEM and each project partner. This language states:

“4. Implementation and Reporting Requirements

A. The Grantee shall implement and complete the Project in accordance with **Attachment A** and the plans and specifications contained in its Funding Application. Modification of the Project shall require prior written approval from IDEM. If IDEM determines that the Grantee is not making adequate progress in implementation of the approved Project in accordance with **Attachment A**, IDEM may rescind the award.

B. The Grantee shall submit to IDEM written progress reports until the completion of the Project. These reports shall be submitted in accordance with the reporting schedule contained in **Attachment C** and shall contain such detail of progress or performance on the Project as is

required under the terms of the Volkswagen Diesel Emissions Environmental Mitigation Trust. If additional documentation is required for IDEM to meet reporting obligations under the Volkswagen Diesel Emissions Environmental Mitigation Trust, IDEM may request such documentation as necessary at any time during the term of this Agreement.”

Attachment D Details

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

Detailed in the following pages:



Invoice

Bill To:

Customer ID IDEM IND DEPT ENV MG
MR. SHAWN M SEALS - SENIOR
ENVIRONMENTAL MANAGER
Indiana Department of Environmental Management
Office of Air Quality - Mail Code 61-50
Indianapolis, IN 46204-225

Date: 10/11/2021
Invoice #: 227143

Payment Terms: Net 30
Due Date: 11/10/2021
P.O.:
Department: MR. SHAWN M SEALS - SENIOR
ENVIRONMENTAL MANAGER

Additional Info:
DOR2-001 INDIANA VW FUNDING AGREEMENT-
ARTICULATED HAUL TRUCK REPLACEMENT

REPLACEMENT OF (2) ARTICULATED HAUL TRUCKS
WITH TIER-4 FINAL ARTICULATED HAUL TRUCKS

Line No.	Description	Unit #	Qty	Unit	Unit Price	Line Total
	REPLACEMENT OF (2) ARTICULATED HAUL TRUCKS WITH TIER-4 FINAL ARTICULATED HAUL TRUCKS		1	Each	115,000.00	\$115,000.00
					SUBTOTAL	\$115,000.00
					SALES TAX	
					TOTAL	\$115,000.00

DOR2-001 INDIANA VW FUNDING AGREEMENT
ARTICULATED HAUL TRUCK REPLACEMENT

Make all checks payable to Bulk Equipment Corp

Thank you for your business!



REMIT TO: MacAllister Machinery
 Dept. 78731
 P.O. Box 78000
 Detroit, MI 48278-0731

MACALLISTER MACHINERY Ph 317-545-2151
 6300 SOUTHEASTERN AVE
 INDIANAPOLIS IN 46203

Account Number: 1036900
 CUSTOMER ORIGINAL INVOICE

SOLD TO
 BULK TRANSPORT CORP
 720 W US 20
 MICHIGAN CITY IN 46360

16-54

INVOICE NUMBER	INVOICE DATE	ORDER NUMBER	CUSTOMER PO NUMBER	PAGE
MS4045929	05/14/2021	INDY-SLS-3768766	98056	1/1
QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTENSION

SEGMENT 1

EQUIPMENT

1	CATERPILLAR 745C T SN:0TFK00603 ID#:TFK603		240,574.97	240,574.97
1	3786447	745C ARTICULATED TRUCK		
1	3733662	NO MACHINE SECURITY SYSTEM		
1	3733664	NO ROOF LIGHTS		
1	3769751	BODY, STANDARD		
1	3769863	CHASSIS, STANDARD		
1	3769985	EXHAUST, HEATED BODY		
1	3771282	MIRROR, ELECTRIC HEATED		
1	3771286	NO SOUND SUPPRESSION		
1	3771321	TIRES, 29.5R25 MX ** XADN+ E-3		
1	3771330	HEATER, ENGINE COOLANT, 120V		
1	3847353	TAILGATE, SCISSOR		
1	3873124	SEAT, HEATED		
1	3976078	GROUP, ETHER		
1	3997050	AID, COLD WEATHER STARTING		
1	4652657	AM/FM RADIO (BLUETOOTH READY)		
1	4675012	CMPD SOFTWARE		
1	3770732	LUBRICATION, AUTOMATIC		
1	3961139	PRODUCT LINK, SATELLITE PL321		

WME

WARRANTY

REMAINDER OF POWERTRAIN UNTIL 8/26/2021 OR 7476 HOURS

SEGMENT TOTAL 240,574.97

SUBTOTAL BEFORE TAXES

NON-TAX INDIANA RESALE 240,574.97

0.00

PAYMENT TERMS

A monthly Finance Charge of 1.00% (12% APR) will be added on all past due amounts. Title to goods remains with the seller until full payment is received.

CREDIT AMOUNT	
DO NOT PAY	
PAY THIS AMOUNT	240,574.97

CC Mary



REMIT TO: MacAllister Machinery
 Dept. 78731
 P.O. Box 78000
 Detroit, MI 48278-0731

MACALLISTER MACHINERY Ph 317-545-2151
 6300 SOUTHEASTERN AVE
 INDIANAPOLIS IN 46203

Account Number: 1036900
 CUSTOMER ORIGINAL INVOICE

SOLD TO
 BULK TRANSPORT CORP
 720 W US 20
 MICHIGAN CITY IN 46360

16-55

INVOICE NUMBER	INVOICE DATE	ORDER NUMBER	CUSTOMER PO NUMBER	PAGE
MS3956455	04/22/2021	INDY-SLS-3956406	98056	1/1
QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTENSION

SEGMENT 1

EQUIPMENT

1	CATERPILLAR 745C T SN:0TFK00604 ID#:TFK604		236,538.76	236,538.76
1	3786447	745C ARTICULATED TRUCK		
1	3733662	NO MACHINE SECURITY SYSTEM		
1	3733664	NO ROOF LIGHTS		
1	3769751	BODY, STANDARD		
1	3769985	EXHAUST, HEATED BODY		
1	3771282	MIRROR, ELECTRIC HEATED		
1	3771286	NO SOUND SUPPRESSION		
1	3771321	TIRES, 29.5R25 MX ** XADN+ E-3		
1	3771330	HEATER, ENGINE COOLANT, 120V		
1	3771338	ANTIFREEZE, -36C (-33F)		
1	3847353	TAILGATE, SCISSOR		
1	3873124	SEAT, HEATED		
1	3976078	GROUP, ETHER		
1	3997050	AID, COLD WEATHER STARTING		
1	4652657	AM/FM RADIO (BLUETOOTH READY)		
1	4675012	CMPD SOFTWARE		
1	3961139	PRODUCT LINK, SATELLITE PL321		

W/A

WARRANTY

POWERTRAIN WARRANTY UNTIL 8/05/2022 OR 8852 HOURS

SEGMENT TOTAL 236,538.76

SUBTOTAL BEFORE TAXES 236,538.76

NON-TAX INDIANA RESALE 0.00

cc Mary

PAYMENT TERMS

A monthly Finance Charge of 1.00% (12% APR) will be added on all past due amounts. Title to goods remains with the seller until full payment is received.

CREDIT AMOUNT	
DO NOT PAY	
PAY THIS AMOUNT	236,538.76

Val Blumenfeld

Subject: FW: Outgoing Wire Notification

From: 1st Source Bank [mailto:eft@1stsource.com]

Sent: Monday, May 17, 2021 10:44 AM

To: Val Blumenfeld

Subject: Outgoing Wire Notification

Your wire transfer on 05/17/21, in the amount of \$477,113.73, was successfully sent to MACALLISTER MACHINERY CO. INC at JPMCHASE INDIANA.

Contact EFT at (574) 235-2270 if you have any questions regarding this transaction. Refer to wire sequence number 45523 in your inquiry.

OMAD: 20210517B1QGC [REDACTED]

IMAD: 20210517GMQ [REDACTED]

REF: INVOICE MS4045929
MS3956455



**2020 DieselWise Indiana – DERA with Volkswagen DERA Option
Bulk Equipment Corporation
Narrative Work Plan**

Scoring Criteria Summary

- I. Cost effectiveness of project (\$ per ton of NO_x reduced).**
-This cost-effective project has a value of \$9,719 per NO_x ton reduced.
- II. Transformational potential.**
-This project will have immediate positive impact to the direct quality of life. This project addresses the use of highly utilized and heavy-duty equipment that is involved in steel making operations.
- III. Project's total NO_x emission reduction potential (based on type of project and/or the use of vehicle).**
-This project will reduce over 47 tons of NO_x over the life of this project.
- IV. National Ambient Air Quality Standards (NAAQS) sensitive areas as a percentage of current standards.**
-This project is located in Porter County, which is listed as nonattainment.
- V. Air quality benefits to areas with sensitive populations or that bear a disproportionate share of the air pollution burden.**
- This project location in Porter County is considered a port operation, and will have an immediate impact on asthmatic population.
- VI. Leveraging of Resources (financial or resource match).**
-Bulk Equipment will provide a 25% cost share. This project combines the cost efficiency of used Tier 4-Final Equipment.
- VII. Entities registered with the Indiana Secretary of State that operate vehicles and equipment in conjunction with Indiana facilities (include Indiana Economic Impact documentation).**
-Please see attached documentation.
- VIII. Active participant in the State of Indiana, Department of Administration or Department of Transportation Minority/Women/Veterans Business Enterprise Participation Plan.**
-Yes, Bulk Equipment is a certified Women's Business Enterprise National Council.



**2020 DieselWise Indiana
DERA with Volkswagen DERA Option
Steel Mill Off-Road Truck Replacement Project**

Narrative Work Plan

PROJECT TITLE: Steel Mill Articulated Truck Replacement Project

SOLICITATION: 2020 DieselWise Indiana – DERA with Volkswagen DERA Option

CATEGORY: Nonroad Equipment Replacement
Clean Diesel (Tier4-Final) Replacement

GRANTEE INFORMATION: Peter Gage, Director of Asset Management
Bulk Equipment Corp.
pgage@bulkequip.com
Michigan City, IN 46360
Phone: (219)-229-7890

Table 1: General Fleet Information¹	
Number of Vehicles/Equipment to Replace	2
Annual Hours Usage Per Equipment	2,242 hours
Estimated Monthly Idle Hours	35 hours
Estimated Monthly Fuel Consumption	3,968 diesel gallons
Estimated Monthly Use (Hours)	186 hours
Equipment To Be Replaced (Engine Details)	2005 Volvo A-40D (Tier 2, 417 HP) 2005 Volvo A-40D (Tier 2, 417 HP)
Proposed new Equipment	2015 Caterpillar 745C (Tier 4-Final, 504 HP) 2015 Caterpillar 745C (Tier 4-Final, 504 HP)
Estimated Years to Remain in Active Fleet	10 Years

FUNDING REQUESTED: \$115,000.00

TOTAL PROJECT COST: \$460,000.00

Table 2: Budget Summary			
Source	Type	Amount	Cost Share
2020 DieselWise Indiana Funding	Grant	\$115,000.00	25%
Applicant Share – Bulk Equipment	Cash	\$345,000.00	75%
Total			\$460,000.00

PROJECT PERIOD: January 15, 2021 – September 30, 2022

¹ Breakdown of each vehicles is provided in Attachment IV - Indiana Fleet Data Spreadsheet



GENERAL FLEET BACKGROUND:

Bulk Equipment, Corp., (Bulk Equipment) is an equipment contracting agency that provides world-class equipment service and maintenance and has a proven track record in heavy equipment solutions. The company's mission is to maximize customer productivity by providing safe, reliable equipment that matches the right application, to quickly respond to changes in the field, and approach all situations with innovative thinking. Brand-independent, Bulk Equipment uses specific equipment necessary to complete each job. Bulk Equipment aims to achieve the greatest returns for their customers by providing diverse equipment asset management solutions.

Bulk Equipment is a privately held business in operation for over 65 years and is accredited by the Women's Business Enterprise Nation Council (WBENC). Starting out, Bulk Equipment, formerly known as BULK, was a mill service company that provided transport services and material handling. As the company grew, they evolved into the equipment service provider that they are today focusing on meeting the needs of their clients using specialized, one-of-a-kind, right-fit equipment.

Regarding their equipment rental, Bulk Equipment offers many services such as on-site maintenance and repair, 24/7 response, daily asset inspections, preventative maintenance and tracking, GPS asset tracking and reporting, and a comprehensive safety program. These are only some of the services that Bulk Equipment provides for its clients.

In the field service division, Bulk Equipment provides fast responses to client repair and service needs. Field technicians are available with experience, capability, and commitment to helping their clients solve problems. With a broad range of knowledge for every situation, Bulk employs the industry's most capable technicians available for both on call and on-site requests.

With expertise in intermodal maintenance, Bulk Equipment has made it a priority to find the most economical and effective solutions to keep equipment running at its highest level of operation using both industrial and port equipment. Their team, knowledge, and resources ensure that equipment is always available and running at peak condition. Bulk is equipped to handle lift equipment and spotter maintenance for all manufacturers, not devoted to just a single manufacturer. This allows the company to work and think outside the box and achieve the most cost-efficient solutions while maximizing uptime.

PROJECT DESCRIPTION:

Bulk Equipment operates two articulated trucks at ArcelorMittal in Burns Harbor, Indiana. ArcelorMittal's second largest facility in the United States is at Burns Harbor located on Lake Michigan. ArcelorMittal is a steelmaking facility that accounts for more than 20 percent of the country's steelmaking capacity. ArcelorMittal operates 25 facilities in 12 states, and their presence extends to two other states and the District of Columbia. They produce safe and sustainable steel in a broad range of products and



are committed to leadership in sustainability. They have a large domestic presence throughout the Midwest, along the East Coast, and in the Southeast.

As part of the Environmental Protection Agency (EPA) Region 5 – Port of Indiana & Port of Detroit Focus, SSCC has partnered with ArcelorMittal and Bulk Equipment to conduct emission inventories and equipment audits. It was through this relationship that SSCC had identified two large emitting articulated trucks at ArcelorMittal operations. Through ArcelorMittal efforts to reduce diesel emissions and overall commitment to innovation and sustainability, this project will replace two articulated trucks powered by Tier 2 diesel engines with two articulated trucks powered by EPA Certified Tier 4-Final clean diesel engines.

PROJECT PERIOD:

In the table outlined below, the Steel Mill Off-Road Truck Replacement projected timeline is planned out with dates, tasks and deliverables for this project. Once awarded, this project will be able to be completed within the given timeframe of September 30, 2022.

Table 3: Project Timeline and Milestones

Activity	2021											2022									
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9
Grant Award	X	X																			
IN Contracts Agreement		X	X																		
Place Order of Clean Diesel Articulated Trucks			X	X																	
Clean Diesel Articulated Truck Delivery					X	X	X														
Bulk Equipment Staff Training								X	X												
Old Engine Destruction and Certification									X	X											
Quarterly Reports				X				X				X				X				X	
Vendor/Equipment Payment											X										
Request for Reimbursement												X									
Marketing & Outreach														X	X	X					X
Final Report																					X

Air Quality Benefits:

The Steel Mill Off-Road Truck Replacement will take place at ArcelorMittal in Burns Harbor, which is located in Porter County, IN. Porter County is on the U.S. Environmental Protection Agency’s National-Scale Air Toxics Assessment list, meaning all or part of the population is exposed to more than 2.0 ug/m3 of diesel particulate matter emissions. Porter County, IN is also part of the Environmental Protection Agency’s 2020 National Priority Area.

U.S. Census Bureau data indicates 8.9 percent of Porter County residents live in poverty, compared to the 10.5 percent national average. All of these residents fall under the sensitive populations' category for air pollutants. The Centers for Disease Control and Prevention National Environmental Health Tracking Network shows 14.4 percent of Indiana adults have asthma compared to 7 percent at the national level.

The designation on the U.S. Environmental Protection Agency's National-Scale Air Toxics Assessment list coupled with high poverty levels in Porter County, higher-than-average adult asthma rates, sensitive populations and minority populations make Porter County an excellent location for a project such as this.

In the chart below, the project emissions were calculated utilizing the U.S. EPA's - DEQ. Through the implementation of this project, approximately 4.733 short tons of NO_x will be not be emitted within the first year. As a result of this emission reduction, the negative health effects of exposure from NO_x for people with asthma, children and older adults will be mitigated. In consideration to the other emissions quantified from the DEQ, almost all emissions and criteria air pollutants are reduced by a significant percentage.

Table 4: Bulk Equipment – Steel Mill Articulated Truck Replacement Project						
Estimated Annual Emissions Reductions						
<i>Data was used utilizing the most current U.S. EPA Diesel Emission Quantifier</i>						
<u>Annual Results</u> <i>(short tons)</i>	NO_x	PM_{2.5}	HC	CO	CO₂	Fuel
Baseline for Upgraded Vehicles	5.144	0.416	0.235	2.046	1,0171.2	95,220
Amount Reduced After Upgrades	4.733	0.396	0.036	1.901	748.4	66,522
Percent Reduced After Upgrades	92.0%	95.0%	15.3%	92.9%	69.9%	69.9%
<u>Lifetime Results</u> <i>(short tons)</i>	NO_x	PM_{2.5}	HC	CO	CO₂	Fuel
Baseline for Upgraded Vehicles	51.445	4.164	2.350	20.462	10,712.3	952,200
Amount Reduced After Upgrades	47.329	3.956	0.360	19.009	7,483.7	665,220
Percent Reduced After Upgrades	92.0%	95.0%	15.3%	92.9%	69.9%	69.9%
<u>Lifetime Cost Effectiveness</u> <i>(\$/short ton reduced)</i>	NO_x	PM_{2.5}	HC	CO	CO₂	
Total Cost Effectiveness (includes all project costs)	\$9,719	\$116,277	\$1,279,283	\$24,198	\$61	

ANTICIPATED OUTCOMES

As part of Bulk Equipment's efforts to reduce diesel emissions and overall commitment to innovation and sustainability, this project will replace two 2005 Tier 2 emission articulated trucks with 2015 Tier 4-Final clean diesel articulated trucks. The 2015 clean

diesel articulated trucks are powered by 504 horsepower Caterpillar C15 engines. These newer articulated trucks will average of 6.4 gallons per hour of diesel consumption. Based upon current operation, it is estimated that this will reduce fuel consumption by 69% annually or 66,522 gallons annually.

METRICS

Current fueling infrastructure is available for the articulated trucks to fuel at ArcelorMittal. Additionally, there are outlets available to power the block heaters during the winter months.

Table 5: Anticipated Target Metrics		
Performance Measures:	Current (2020)	Target (2021)
Volume of diesel used annually (diesel gallon equivalents)	95,220	28,698
Volume of diesel displaced annually (gallons)	0	66,522

LOCATION AND HOURS OPERATION

ArcelorMittal is located at 250 US-12, Burns Harbor, IN 46304. This location is located adjacent to the Port of Indiana – Burns Harbor. ArcelorMittal is considered a port itself due to the rail and dock access it has on its property. This facility is in operation 24-hours a day, 365-days a year. These two articulated trucks are used during multiple shifts in the slag logistics process. There are over 3,920 employees at this location that is spread over 1,986 acres. This plant is capable of producing 5 million tons of steel a day.

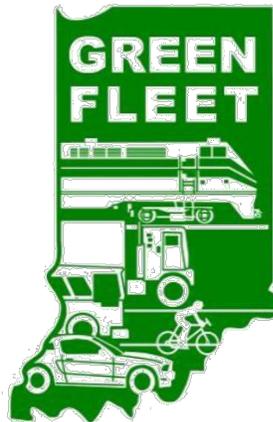
GRANTEE AND PARTNER ROLES

South Shore Clean Cities (SSCC) is an Indiana 501(c)(3) nonprofit organization whose aim is to educate and assist both public and private fleet owners and individuals. The purpose of SSCC is to help meet the requirements of the national Energy Policy Act of 1992, which is aimed at promoting national energy security, and to help meet the requirements of the federal Clean Air Act as amended in 1990, which strives to promote clean air. SSCC is a SmartWay Affiliate Partner and will commit to promoting the use of alternative fuels as well as idle and fuel use reduction and air quality improvement efforts.

In addition to the purchase, installation and deployment activities, Bulk Equipment personnel will also work with SSCC to track performance and fuel reduction on the existing equipment to provide a point of comparison to evaluate the success of the projects. The same analytics will be tracked on the new articulated trucks once it is deployed. In addition to tracking performance and estimated reduction in tailpipe emissions, fuel cost savings will be assessed. The data collected will allow for evaluation of the public benefits of the project for the life of the vehicles.

South Shore Clean Cities will also work with IDEM/VW Advisory Committee and Bulk Equipment personnel to implement the following aspects of this project:

- Promoting diesel emission reduction projects and use policies and education and awareness programs with its employees.
- Celebrating and announcing the success of these projects with a press conference with IDEM.
- Bulk Equipment is a member of the Indiana Green Fleet Program which promotes partnerships and training with:
 - IDEM DieselWise
 - IDEM Partners for Clean Air
 - IDEM Environmental Stewardship Program
 - IDEM Partners for Pollution Prevention
 - ASE Mechanic Training
 - U.S. EPA Midwest Clean Diesel Initiative and SmartWay Affiliate
 - National Fire Protection Association



KEY PERSONNEL CONTACT INFORMATION

The contacts below will serve as liaisons with the 2020 DieselWise Indiana staff and other Bulk Equipment staff on this project.

Table 7: Project Contacts			
Contact	Organization/Title	Phone	Email
Peter Gage	Bulk Equipment/Director of Asset Management	219-229-7890	pgage@bulkequip.com
Ryan Lisek	South Shore Clean Cities/Project Manager	219-644-3690	rlisek@southshorecleancities.org

EVALUATION CRITERIA

The location of this project addresses diesel emission reduction to a vital industry that promotes the Indiana economy. This specific location combines an area notorious for poor air quality and heavy-duty diesel emissions. The importance that this specific location plays in the logistic process for steel manufacturing allows for prime shipping with excellent access to the Great Lakes, railroads and highways, for both inbound requirements and outbound shipments. It is the only steelmaking facility in the U.S. that is bordered on two sides by a national park. The ArcelorMittal Burns Harbor location serves the automotive industry, as well as appliance, construction, energy, line pipe, machinery, railcar, service centers and shipbuilding markets. Principal products made at this location are hot-rolled, cold-rolled and coated sheet products and carbon and alloy heat treated plate.

BUDGET

Table 9: Project Budget Line Items				
Equipment	Units	2020 DieselWise Funding (25%)	Applicant Cost-Share Funds (75%)	Total
2015 Caterpillar 745C (Tier 4-Final)	2	\$115,000.00	\$345,000.00	\$460,000.00
PROJECT GRAND TOTAL	2	\$115,000.00	\$345,000.00	<u>\$460,000.00</u>

ATTACHMENTS

- I. Automated Direct Deposit Authorization Agreement State Form 47551
- II. Indiana Economic Impact – Proposals and Contracts - State Form 51778
- III. Letters of Cost Share Commitment
- IV. Equipment Quotes
- V. Indiana Fleet Data Spreadsheet (Attached in email)

November 23rd, 2020
Mr. Shawn M. Seals
DieselWise Indiana Administrator
Indiana Department of Environmental Management
100 North Senate Avenue
Mail Code 61-50 IGCN 1003
Indianapolis, IN 46204-2251

RE: 2020 DIESELWISE INDIANA – DERA with Volkswagen DERA Option

Dear Mr. Seals:

On behalf of Bulk Equipment Corp., I am pleased to offer this letter of support for the Indiana Office of Environmental Management's (IDEM) 2020 DIESELWISE INDIANA – DERA with Volkswagen DERA Option Program. This cost-effective clean air project will significantly reduce diesel emissions from nonroad equipment operating in Indiana. South Shore Clean Cities (501c3) has agreed to act as one of our community-based partners on this application.

Bulk Equipment Corp. acknowledges by submission of this funding request, assures that it possesses, or will possess the local (non-federal) funding needed to pay project related expenses. Bulk Equipment Corp. is prepared to immediately implement this project and will complete this nonroad equipment replacement project within the required timeline.

We appreciate the opportunity to support this very beneficial project and contribute to Indiana's air quality improvements. If you have any questions about this application, please contact Peter Gage at 219-229-7890.

Sincerely,



PETER D. GAGE
Director of Asset Management



Dear Mr. Gage,

Thank you for this opportunity to quote Caterpillar products for your business needs.

One (1) Caterpillar Model: 745C Articulated Dump Truck with all standard equipment in addition to the additional specifications listed below:

STOCK NUMBER: TFK603

SERIAL NUMBER: 0TFK00603

YEAR: 2015

SMU: 6,816

MACHINE SPECIFICATIONS

745C ARTICULATED TRUCK	378-6447	FENDER COVER	398-6132
BODY, STANDARD	376-9751	AID, COLD WEATHER STARTING	399-7050
CHASSIS, STANDARD	376-9863	FILM GROUP, ANSI	440-6104
EXHAUST, HEATED BODY	376-9985	AM/FM RADIO (BLUETOOTH READY)	465-2657
TANK, STANDARD FUEL	377-0696	CMPD SOFTWARE	467-5012
TIRES, 29.5R25 MX ** XADN+ E-3	377-1321	CERT EMISSIONS, EPA TIER 4	361-1880
HEATER, ENGINE COOLANT, 120V	377-1330	LUBRICATION, AUTOMATIC	377-0732
ANTIFREEZE, -36C (-33F)	377-1338	PRODUCT LINK, SATELLITE PL321	396-1139
SEAT, HEATED	387-3124		
GROUP, ETHER	397-6078		

BULK EQUIPMENT SALE PRICE	\$230,000.00
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WARRANTY

Extended Warranty:	Extended Powertrain Coverage until Aug 261, 2021 or a total of 7476 hrs

F.O.B/TERMS: Delivered to Michigan City

Accepted by _____ on _____

Signature

We wish to thank you for the opportunity of quoting on your equipment needs. This quotation is valid for 30 days, after which time we reserve the right to re-quote. If there are any questions, please do not hesitate to contact me.

Sincerely,

Patrick Riley
MacAllister CAT
PatRiley@MacAllister.com
765-479-0132

Dear Mr. Gage,

Thank you for this opportunity to quote Caterpillar products for your business needs.

One (1) Caterpillar Model: 745C Articulated Dump Truck with all standard equipment in addition to the additional specifications listed below:

STOCK NUMBER: TFK604

SERIAL NUMBER: 0TFK00604

YEAR: 2015

SMU: 6,860

MACHINE SPECIFICATIONS

745C ARTICULATED TRUCK	378-6447	GROUP, ETHER	397-6078
ROLL ON-ROLL OFF	0P-9918	FENDER COVER	398-6132
BODY, STANDARD	376-9751	AID, COLD WEATHER STARTING	399-7050
CHASSIS, STANDARD	376-9863	AM/FM RADIO (BLUETOOTH READY)	465-2657
EXHAUST, HEATED BODY	376-9985	CMPD SOFTWARE	467-5012
TANK, STANDARD FUEL	377-0696	CERT EMISSIONS, EPA TIER 4	361-1880
TIRES, 29.5R25 MX ** XADN+ E-3	377-1321	LUBRICATION, AUTOMATIC	377-0732
HEATER, ENGINE COOLANT, 120V	377-1330	PRODUCT LINK, SATELLITE PL321	396-1139
ANTIFREEZE, -36C (-33F)	377-1338		
SEAT, HEATED	387-3124		

BULK EQUIPMENT SALE PRICE	\$230,000.00
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WARRANTY

Extended Warranty:	Extended Powertrain Coverage until Mar 2, 2021 or a total of 7360 hrs

F.O.B./TERMS: Delivered to Michigan City

Accepted by _____ on _____

We wish to thank you for the opportunity of quoting on your equipment needs. This quotation is valid for 30 days, after which time we reserve the right to re-quote. If there are any questions, please do not hesitate to contact me.

Sincerely,

Patrick Riley
MacAllister CAT
PatRiley@MacAllister.com
765-479-0132