

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

## BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

---

Beneficiary Swinomish Indian Tribal Community (SITC)

Lead Agency Authorized to Act on Behalf of the Beneficiary Swinomish Indian Tribal Community, Office of Tribal Attorney

*(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>	Volkswagen Diesel Emissions Environmental Mitigation Trust: (1) Class 4-7 Local Freight Trucks (Medium Trucks) Replacement; (2) Light Duty Zero Emission Vehicle Supply Equipment Acquisition; and (3) Administrative Costs
<b>Beneficiary's Project ID:</b>	VW-2019
<b>Funding Request No.</b>	<i>(sequential)</i> 1
<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

<p><b>Eligible Mitigation Action</b> <input checked="" type="checkbox"/> Appendix D-2 item (specify): <u>(1) Class 4-7 Local Freight Trucks (Medium Trucks); (2) Light Duty Zero Emission Vehicle Supply Equipment; (3) Administrative Costs</u></p> <p><b>Action Type</b> <input type="checkbox"/> Item 10 - DERA Option (5.2.12) (specify and attach DERA Proposal):</p>
<p><b>Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2):</b>          SITC will complete three Eligible Mitigation Actions (EMAs): (1) replace two diesel-powered Class 4-7 Local Freight Trucks (Medium Trucks) with two modern, low emissions diesel trucks, (2) purchase, install, and operate Light Duty Zero Emission Vehicle (ZEV) Supply Equipment, and (3) fund Administrative Expenses.</p> <p><b><i>Mitigation Action 1 - Medium Trucks:</i></b> <i>SITC will be replacing two vehicles in the Public Works Department. SITC proposes to replace two vehicles in the Department's fleet: a 2008 Ford F550 (19000 lbs GVWR, class 6, equipped with plow) and a 2005 Ford F750 Dump truck (33000 lbs GVWR, class 7).</i></p> <p><i>The Public Works Department uses these vehicles as a key part of the Department's function to provide maintenance for roadways and streets in Swinomish Village, in addition to maintaining Swadabs Park, the Swinomish Casino &amp; Lodge, Pull and Be Damned Road, the waste oil facility, and cemetery. The Department staff also assist with after-hours gatherings and special events, help with community cleanups, and service facilities in other areas when called upon. The community and air quality benefits will be improved quality and efficiency of community services performed by these vehicles, including key road maintenance and safety services, and improved ambient air quality associated with reductions in diesel emissions.</i></p>

SITC proposes to replace the 2008 F550 and accompanying plow with a 2019 F550, equipped with plow, and the 2005 F750 with a 2019 F650. The newer engine and emissions control technologies in the 2019 vehicles will reduce on-road and idling emissions from the Tribal fleet.

**Mitigation Action 2 - Light Duty ZEV:** SITC proposes to take the first steps towards developing EVSE infrastructure on the Swinomish Reservation by installing Level 2 electric vehicle chargers at two strategic locations: (1) the North end, in close proximity to the Swinomish Casino and Lodge, and gas station/convenience store, and a Swinomish police office, and (2) the South end, in close proximity to the cluster of buildings that includes SITC's seat of government (Administrative Building), Planning Building, and Social Services Building. The installed chargers would be available to the general public.

SITC has obtained cost and location estimates from a qualified electrician with experience installing EVSE, and propose to use industry standard Level 2 chargers (Clipper Creek brand or equivalent). Each charger would be equipped with two charging cables, allowing for simultaneous charging. Doubling the charging capacity for each installed charger allows for the most efficient utilization of Trust funds, as well as reducing the management burden on SITC and allowing for greater user convenience. In future grant cycles, SITC hopes to expand the EVSE infrastructure by expanding charger capacity and location coverage.

Estimated cost for each station is roughly \$5,500, including installation and equipment. Costs vary depending on installation location, for example depending on whether trenching is required and the distance to the nearest breaker box. In the event of unexpected cost overruns, Tribal funds can be requested.

**Mitigation Action 3 – Administrative Expenditures:** The administrative costs to implement these projects include personnel and fringe for the Public Works Director, Transportation Specialist, and the Air Quality Analyst. The Public Works Director and Transportation Specialist will coordinate the purchase of new vehicles and the disposal of the vehicles that are being replaced. The Air Quality Analyst will track NOx reduction, and assist with reporting responsibilities and public disclosure requirements.

**Estimate of Anticipated NOx Reductions (5.2.3):**

Reduction of 86.4% of NOx emissions overall. Each truck travels a minimum of 50 to a maximum of 75 miles per use day at around 10 MPG on average. Using these figures, a minimum and maximum reduction range was calculated for the project. The replacement of both vehicles (the F550 and the F750) will result in a reduction of 0.090 – 0.139 short tons of NOx reduced per year. The overall emission reductions for the remainder of the vehicle's lifetime totals between 0.536 – 0.826 short tons of NOx. For more information, see DEQ Calculation exhibits included in Attachment D.

**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):**

The Swinomish Grants Department, with support from the Swinomish Accounting Department and the Office of Tribal Attorney, will monitor the expenditure of EMA funds to ensure compliance with the applicable Federal and Tribal laws and requirements. The Swinomish Indian Tribal Community is a federally recognized Indian Tribe organized pursuant to Section 16 of the Indian Reorganization Act of 1935 (25 U.S.C. § 5123) and is located in Skagit County, Washington. SITC is organized under a constitution and bylaws originally drafted by the Tribe on November 16, 1935, and approved by the Secretary of the Interior on January 27, 1936, and as most recently amended and ratified by the Tribe on May 23, 2017 and approved by the Secretary of the Interior on July 7, 2017.

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

1. The Swinomish Indian Tribal Community will establish a webpage dedicated to the funding received from the VW Settlement Trust, which will include a link for members of the public to request additional information and documents related to the funding request and expenditure of funds. The Swinomish Tribe

will endeavor to respond to such requests within ten (10) business days and, when documents are requested, will advise the individual within that timeframe of the procedure for reviewing such documents.

2. The Swinomish Tribe follows the Constitution and Bylaws of the Swinomish Indian Tribal Community for matters governing the publication of confidential business information and personally identifiable information, and exemptions thereto.

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

N/A. Cost sharing is not required for the EMAs proposed by SITC.

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

No U.S. Government Agency has contacted SITC in relation to the Trust. SITC complied with subparagraph 4.2.8 by submitting letters to the relevant Government Agencies concurrently with SITC's initial (2017) application for Trust funding.

**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).**

Replacing two older, polluting Class 4 diesel vehicles that exclusively operate in and around the Swinomish community with two new, lower emissions diesel vehicles reduces NOx exposure to Swinomish Reservation residents, both Tribal and non-tribal. Due to its location in close proximity to a major federal freeway, state highway, and coastal shipping routes, SITC continues to bear a disproportionate share of the burden associated with transportation emissions.

**ATTACHMENTS**  
**(CHECK BOX IF ATTACHED)**

- |                                     |                     |   |
|-------------------------------------|---------------------|---|
| <input checked="" type="checkbox"/> | <b>Attachment A</b> | <b>Funding Request and Direction.</b>   |
| <input checked="" type="checkbox"/> | <b>Attachment B</b> | <b>Eligible Mitigation Action Management Plan Including Detailed Budget and Implementation and Expenditures Timeline (5.2.4).</b>   |
| <input checked="" type="checkbox"/> | <b>Attachment C</b> | <b>Detailed Plan for Reporting on Eligible Mitigation Action Implementation (5.2.11).</b>   |
| <input checked="" type="checkbox"/> | <b>Attachment D</b> | <b>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.]</b> |
| <input type="checkbox"/>            | <b>Attachment E</b> | <b>DERA Option (5.2.12). [Attach only if using DERA option.]</b>  |
| <input type="checkbox"/>            | <b>Attachment F</b> | <b>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.]</b> |

**CERTIFICATIONS**

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

- 1. This application is submitted on behalf of Beneficiary Swinomish Indian Tribal Community, 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: 8/28/19

Weston LeMay, Staff Attorney  
[NAME]  
[TITLE]

SIGNATURE: Weston LeMay

Swinomish Indian Tribal  
[LEAD AGENCY] Community (SITC)

for

Swinomish Indian Tribal  
[BENEFICIARY] Community (SITC)

# Attachment A

# Attachment B



**ATTACHMENT B – Project Management Plan Project Schedule and Milestones**

<b>Timeline</b>				
Year 1	2019 Q-4	2020 Q-1	2020 Q-2	2020 Q-3
Trustee Acknowledges Receipt of Project Certification and Funding Direction				
Trustee Allocates Share of Funds for Approved Project				
SITC enters into contracts, purchase orders for 2 trucks				
SITC enters into contracts, purchase orders, etc. for purchase of light duty ZEV supply equipment				
Installation of ZEV supply equipment				
SITC provides required documentation				
SITC certifies project completion and reports project completion				

**Volkswagen Settlement Budget 2019/2020  
Swinomish Indian Tribal Community**

**Equipment**

Ford 550 and Warranty	\$58,035.00
with plow	\$8,274.00
Ford 650 and Warranty	\$91,495.00
ZEV Station x 2	\$11,000.00

**Total Cost Equipment:** **\$168,804.00**

**Administration**

Personnel	\$5,862.00
Fringe (46.50%):	\$2,726.00
Indirect (35.37%):	\$2,073.00

**Total Cost Administration<sup>1</sup>:** **\$10,661.00**

**Total: Equipment + Administration:** **\$179,465.00**

---

<sup>1</sup> Note: **The total allowable amount for administrative costs under SITC's allocation was \$26,919.75. SITC elected to prioritize EMA funding and seeks less than half of eligible salary, fringe, and indirect costs.**

# Attachment C

### **Attachment C-Reporting Requirements**

The Swinomish Indian Tribal Community will for each eligible mitigation action (EMA) no later than six months after receipt of the first disbursement of Trust Assets and thereafter no later than January 30 (for the preceding six month period of July 1 through December 31) and July 30 (for the preceding six month period of January 1 through June 30) of each year will submit to the Trustee a semi-annual report describing the progress of implementing each EMA during the six month period leading up to the reporting date including a summary of all costs expended on the EMA through the reporting date. Such reports shall include a complete description of the status including actual or projected termination date, development, implementation and any modifications of each proposed EMA. The reports will be signed by an official with authority to submit the report and will contain an attestation that the information is true and correct and that the submission is made under penalty of perjury.

# Attachment D



Preview Order T981 - F5H 4x4 Reg Chas Cab DRW: Order Summary Time of Preview: 08/22/2019 15:46:57

Dealership Name: Dwayne Lane's Skagit Ford

Sales Code : F74533

Dealer Rep.	w-schae7	Type	Retail	Vehicle Line	Superduty	Order Code	T981
Customer Name	S Swinomish tri	Priority Code	19	Model Year	2019	Price Level	950

DESCRIPTION	MSRP	DESCRIPTION	MSRP
F550 4X4 CHASSIS CAB DRW/169	\$42210	19500# GVWR PACKAGE	\$0
169 INCH WHEELBASE	\$0	ENGINE BLOCK HEATER	\$100
OXFORD WHITE	\$0	50 STATE EMISSIONS	\$0
VINYL 40/20/40 SEATS	\$0	SNOW PLOW PACKAGE	\$185
MEDIUM EARTH GRAY	\$0	TRAILER BRAKE CONTROLLER	\$270
PREFERRED EQUIPMENT PKG.660A	\$0	HIGH CAPACITY TRAILER TOW PKG	\$580
.XL TRIM	\$0	JACK	\$55
.AIR CONDITIONING -- CFC FREE	\$0	TRANS POWER TAKE-OFF PROVISION	\$280
6.7L POWER STROKE V8 DIESEL	\$9010	CLEAN IDLE DECAL	\$0
6-SPEED AUTO TRANS	\$0	40 GAL AFT OF AXLE FUEL TNK	\$0
225/70R19.5G BSW ALL POSITION	\$0	DUAL ALTERNATORS	\$0
4.88 RATIO LIMITED SLIP AXLE	\$360	XL VALUE PACKAGE	\$1000
PAYLOAD PLUS PACKAGE UPGRADE	\$1155	.CRUISE CONTROL	\$0
POWER EQUIPMENT GROUP	\$915	.AM/FM STEREO MP3/CLK	\$0
TELESCPNG TT MIRR-POWR/HTD	\$0	.SYNC VOICE ACTIVATED SYSTEMS	\$0
XL DECOR PACKAGE	\$0	FUEL CHARGE	\$0
PLATFORM RUNNING BOARDS	\$320	PRICED DORA	\$0
LESS TIRE INFLATION MONITOR	\$0	DESTINATION & DELIVERY	\$1595
TOTAL BASE AND OPTIONS			MSRP \$58035
DISCOUNTS			NA
TOTAL			\$58035

Customer Name:  
Customer Address:

Customer Email:

Customer Phone:

Customer Signature

Date

*This order has not been submitted to the order bank.*

*This is not an invoice.*

**NORTHEND TRUCK EQUIPMENT CO. INC.**  
**14919 - 40 TH AVE. N.E.**  
**MARYSVILLE, WASHINGTON 98271**  
**PH: 1-800-653-6066 FAX: 360-653-0100**  
**CHECK US OUT @ WWW.NORTHENDTRUCK.COM**

TO: KERI CLEARY  
SWINOMISH TRIBE  
360-739-8653

August 22, 2019

RE: PRICING ON ONE (1 EA.) NTE FLATBED BODY, BOSS VBX SPREADER AND 9' SUPER DUTY SNOW PLOW TO FIT A 2019 FORD F-550 4X4 FLATBED W/ DIESEL ENGINE. AND 60" CAB TO AXLE

AS FOLLOWS:

10' STRUCTURAL STEEL FLATBED **96" WIDE**  
3" "C" CHANNEL CROSSMEMBERS ON 16" CENTERS  
"C" CHANNELS LONG SILLS  
3" X 5" X 1/4" ANGLE PERIMETER  
2" X 6" T&G FIR DECKING - SEALED  
FOUR (4) POST, 2" ABOVE CAB HEIGHT, 1/2 & 1/2 HEADBOARD  
STAKEPOCKETS - 3" CHANNEL  
HEADBOARD HIGH ALUMINUM SLATED SIDES AND REAR. TWO SECTIONS PER SIDE, AND TWO AT REAR.  
2" RECEIVER HITH W/ D-RINGS AND PLUG-IN  
ALL LEGAL LIGHTS, REFLECTORS, & MUDFLAPS PER DOT REG.S'  
HEAVY DUTY ICC DOCK BUMPER  
PRIMED PAINTED ONE COLOR - BLACK

PRICE F.O.B. NORTHEND TRUCK MARYSVILLE **\$ 6,947.00**  
PRICE DOES NOT INCLUDE ANY APPLICABLE TAXES.

ONE ( 1 EA.) BOSS 9' SUPER DUTY STEEL STRAIGHT BLADE SNOW PLOW  
ELECTRIC HYDRAULIC W/ SMART TOUCH CONTROLS  
QUICK RELEASE W/ RT3, **W SMART HITCH 2**  
HEATED / LED HEADLIGHTS W/ INTERGAL DIRECTIONAL LIGHTS  
COMPLETE KIT **INSTALLED AND OPERATIONAL**

PRICE F.O.B. NORTHEND TRUCK MARYSVILLE **\$ 8,274.00**  
PRICE DOES NOT INCLUDE ANY APPLICABLE TAXES.

**OPTIONS AT TIME OF ORDERING ONLY:**

CAST IRON PLOW SHOES ADD \$ 125.00  
RUBBER SNOW DEFLECTOR ADD \$ 257.00  
BOSS URETHANE CUTTING EDGE ADD \$ 598.00

**BOSS VBX 9000 HOPPER SPREADER WITH THE FOLLOWING:  
9' LONG – 3.0 CUBIC YARD CAPACITY, POLY**

- 3/4 H.P. STAINLESS STEEL FEED MOTOR
- Completely enclosed IN CAB LCD DISPLAY CONTROLLER
- DOUBLE WALL POLYETHELENE HOPPER
- 304 STAINLESS STEEL TROUGH
- ADJUSTABLE SPINNER HEIGHT.
- STANDARD W/ TIE-DOWNS
- AUGER SPREADER W/ AUTO REVERSING MOTORS.  
INSTALLED & OPERATIONAL

APPROXIMATE WEIGHT 760 LBS.

PRICE F.O.B. NORTHEND TRUCK MARYSVILLE **\$ 8,310.00**  
PRICE DOES NOT INCLUDE ANY APPLICABLE TAXES.

**OPTIONS AT TIME OF ORDERING ONLY:**

BOSS VBS15135 HARD "PRO-LID" FOR HOPPER	ADD \$ 1,465.00
PINTLE CHAIN IN LIEU OF AUGER	ADD \$ N/C
MSC20100 60 GALLON PRE-WET KIT	ADD \$ 1,821.00

**TOTAL PACKAGE PRICE LESS SALES TAX OR ADDITIONAL OPTIONS.  
\$ 22,531.00**

THANKS AGAIN,

CHAD LITTLE

CONFIRMING P.O. # \_\_\_\_\_ SIGNATURE \_\_\_\_\_  
SWINOMISH 8 22 2019





Go Further

## Bickford Ford

3100 Bickford Avenue Snohomish, WA 98291

Sales: (866) 489-3673

Service: (844) 309-3673

Parts: (844) 309-3673

## 2019 Ford Super Duty F-650 Commercial-truck XL w/dump body

**MSRP** \$101,995.00**Sale Price\*\*** \$91,495.00**Ford Qualified Offer****Bodystyle:** Commercial-truck**Engine:**6.7L Power Stroke V8 Turbo Diesel 300 Horsepower,  
700 lb.-ft. Torque**Transmission:** Automatic**Exterior Color:** WHITE**Interior Color:** GRAY**VIN:** 1FDWF6DE7KDF00021**Model Code:** F1319**Stock #:** 19-0001**Comments:**

2019 FORD F650 XL -- CHASSIS

Stock #19-0001 1FDWF6DE7KDF00021

MSRP \$75,000.00

Upfit \$26,995.00

Total Retail \$101,995.00

Bickford Discount \$4,000.00

Retail Customer Cash \$5,000.00

2019 Commercial Seasonal Bonus Cash \$0.00

2019 Commercial Upfit Bonus Cash \$1,500.00

Ford Credit Retail Bonus Customer Cash \$0.00 Must finance with Ford Motor Credit Company

Total Discount \$10,500.00

Sale Price \$91,495.00 Prices valid for Washington residents. - Contact Sales Department at 425-334-4045 or sales@bickford.net for more information. - This one. -

## Options

Vinyl Interior Surface

## Standard Features

**RapidSpec** 600A**BodyStyle** F-650 Series**ExteriorColor** Oxford White**Engine**6.7L Power Stroke V8 Turbo Diesel 300 Horsepower,  
700 lb.-ft. Torque

**InteriorColor** Steel Gray

**Drive** Rear Wheel Drive

**Transmission**

Ford 6-Speed TorqShift HD Automatic - Double overdrive, less PTO provision (RNDM)

**WheelBase** Regular Cab

**Cab** Regular Cab

\* While every reasonable effort is made to ensure the accuracy of this information, we are not responsible for any errors or omissions contained on these pages. Please verify any information in question with Bickford Ford.

<https://www.bickford.net/commercial-new/Ford/2019-Ford-Super+Duty+F-650-ff67e16c0a0e0adf53c2ab8083d37101.htm>

**Location‡**

Bickford Ford

3100 Bickford Avenue Snohomish, WA 98291

**Sales:** (866) 489-3673

**Hours**

Monday 8:30AM-6:30PM

Tuesday 8:30AM-7:00PM

Wednesday 8:30AM-7:00PM

Thursday 8:30AM-7:00PM

Friday 8:30AM-6:00PM

Saturday 8:30AM-6:00PM

Sunday Closed

## Exhibit to Attachment D

Logged in as Kelsey | [logout](#) | [help](#)*Note: Your session will time out after 30 minutes of inactivity.**For best results, do not use your browser's "back" arrow.*

## Emission Results and Health Benefits for Project: VW Settlement - Low End Estimate

### Emission Results

Here are the combined results for all groups and upgrades entered for your project.<sup>1</sup>

<b><u>Annual Results</u></b> <b><u>(short tons)<sup>2</sup></u></b>	<b>NO<sub>x</sub></b>	<b>PM2.5</b>	<b>HC</b>	<b>CO</b>	<b>CO<sub>2</sub></b>	<b>Fuel<sup>3</sup></b>
Baseline for Upgraded Vehicles/Engines	0.105	0.006	0.012	0.044	22.6	2,008
Amount Reduced After Upgrades	0.090	0.005	0.010	0.037	0.0	0
Percent Reduced After Upgrades	86.4%	96.2%	85.7%	85.4%	0.0%	0.0%

<b><u>Lifetime Results (short tons)<sup>2</sup></u></b>						
Baseline for Upgraded Vehicles/Engines	0.628	0.029	0.064	0.241	146.8	13,052
Amount Reduced After Upgrades	0.536	0.027	0.053	0.200	0.0	0
Percent Reduced After Upgrades	85.3%	95.2%	83.1%	82.8%	0.0%	0.0%

<b><u>Lifetime Cost Effectiveness (\$/short ton reduced)</u></b>						
<b>Capital Cost Effectiveness<sup>4</sup></b> (unit & labor costs only)	\$255,197	\$4,995,742	\$2,561,355	\$685,417	\$0	
<b>Total Cost Effectiveness<sup>4</sup></b> (includes all project costs)	\$255,197	\$4,995,742	\$2,561,355	\$685,417	\$0	

<sup>1</sup> Emissions from the electrical grid are not included in the results.

<sup>2</sup> 1 short ton = 2000 lbs.

<sup>3</sup> In gallons; fuels other than ULSD have been converted to ULSD-equivalent gallons.

<sup>4</sup> Cost effectiveness estimates include only the costs which you have entered.

**Remaining Life**

**Ford F550: Short Haul - Single Unit | Class 4-5 8 years**

**Ford F750: Short Haul - Single Unit | Class 6-7 5 years**

Logged in as Kelsey | [logout](#) | [help](#)*Note: Your session will time out after 30 minutes of inactivity.**For best results, do not use your browser's "back" arrow.*

## Emission Results and Health Benefits for Project: VW Settlement - High End Estimate

### Emission Results

Here are the combined results for all groups and upgrades entered for your project.<sup>1</sup>

<b><u>Annual Results</u></b> <b><i>(short tons)</i></b> <sup>2</sup>	<b>NO<sub>x</sub></b>	<b>PM2.5</b>	<b>HC</b>	<b>CO</b>	<b>CO<sub>2</sub></b>	<b>Fuel</b> <sup>3</sup>
Baseline for Upgraded Vehicles/Engines	0.161	0.009	0.018	0.067	35.1	3,120
Amount Reduced After Upgrades	0.139	0.008	0.015	0.057	0.0	0
Percent Reduced After Upgrades	86.4%	96.2%	85.7%	85.4%	0.0%	0.0%

<b><u>Lifetime Results (short tons)</u></b> <sup>2</sup>						
Baseline for Upgraded Vehicles/Engines	0.968	0.044	0.098	0.370	228.1	20,280
Amount Reduced After Upgrades	0.826	0.042	0.082	0.306	0.0	0
Percent Reduced After Upgrades	85.3%	95.2%	83.1%	82.8%	0.0%	0.0%

<b><u>Lifetime Cost Effectiveness (\$/short ton reduced)</u></b>						
<b>Capital Cost Effectiveness</b> <sup>4</sup> (unit & labor costs only)	\$165,536	\$3,282,510	\$1,674,109	\$446,834	\$0	
<b>Total Cost Effectiveness</b> <sup>4</sup> (includes all project costs)	\$165,536	\$3,282,510	\$1,674,109	\$446,834	\$0	

<sup>1</sup> Emissions from the electrical grid are not included in the results.

<sup>2</sup> 1 short ton = 2000 lbs.

<sup>3</sup> In gallons; fuels other than ULSD have been converted to ULSD-equivalent gallons.

<sup>4</sup> Cost effectiveness estimates include only the costs which you have entered.

**Remaining Life**

**Ford F550:** Short Haul - Single Unit | Class 4-5 8 years

**Ford F750:** Short Haul - Single Unit | Class 6-7 5 years