

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

**BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION**

Beneficiary Hoopa Valley Tribe

Lead Agency Authorized to Act on Behalf of the Beneficiary Hoopa Valley Land 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)*

<b>Action Title:</b>	Replacement of 1 Class 8 Truck
<b>Beneficiary's Project ID:</b>	0950
<b>Funding Request No.</b>	<i>(sequential)</i> 2
<b>Request Type: (select one or more)</b>	<input type="checkbox"/> Reimbursement <input checked="" type="checkbox"/> Advance <input type="checkbox"/> Other (specify): _____
<b>Payment to be made to: (select one or more)</b>	<input checked="" type="checkbox"/> Beneficiary <input type="checkbox"/> Other (specify): _____
<b>Funding Request &amp; Direction (Attachment A)</b>	<input checked="" type="checkbox"/> Attached to this Certification <input type="checkbox"/> To be Provided Separately

**SUMMARY**

<b>Eligible Mitigation Action</b>	<input checked="" type="checkbox"/> Appendix D-2 item (specify): <u>Replacement of 1 Class 8 Truck</u>
<b>Action Type</b>	<input type="checkbox"/> Item 10 - DERA Option (5.2.12) (specify and attach DERA Proposal): _____
<b>Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2):</b> We plan to replace the following Class 8 fleet vehicle (VIN# 1FDYU90BXRVA06123) with a 2019 diesel model. Please find details in the attached addendum.	
<b>Estimate of Anticipated NOx Reductions (5.2.3):</b> The results for the upgrade entered for our project are 0.233 short tons annually with a 95.4% reduction over the lifetime of the vehicle after upgrades. Please see attached addendum for more details.	
<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> The Hoopa Valley Tribe Grant Compliance Officer, Joelle Colegrove, will be responsible for the internal review and auditing of eligible mitigation action funds to assure compliance with applicable law.	
<b>Describe how the Beneficiary will make documentation publicly available (5.2.7.2).</b> <b>Please see attached addendum.</b>	
<b>Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8).</b> Not Applicable	
<b>Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9).</b> No Federal Agencies contacted the Tribe for information about the Tribal Trust during the Beneficiary certification process	

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

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

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

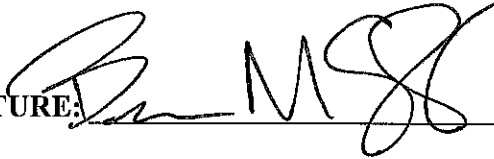
By submitting this application, the Lead Agency makes the following certifications:

1. This application is submitted on behalf of Beneficiary Hoopa Valley Tribe, 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:** August 26th, 2019

Brian McCaughey, GIS Analyst/Database Coordinator

**SIGNATURE:** 

[NAME]

[TITLE]

Hoopa Valley Land Management

[LEAD AGENCY]

for

Hoopa Valley Tribe

[BENEFICIARY]

**[SAMPLE ATTACHMENT B - USE OF THIS FORMAT IS NOT MANDATORY]**

**PROJECT MANAGEMENT PLAN**  
**PROJECT SCHEDULE AND MILESTONES**

Milestone	Date
Lead Agency Provides Notice of Availability of Mitigation Action Funds	7/1/2019
Project Sponsor Submits Proposal to Lead Agency	-
Lead Agency Provides Written Approval of Project Sponsor's Proposal	-
Lead Agency Incorporates Project Sponsor's Proposal into Mitigation Plan	-
Trustee Acknowledges Receipt of Project Certification and Funding Direction	-
Trustee Allocates Share of Funds for Approved Project	11/13/2019
Lead Agency Directs Funding (Advance Funded Projects)	-
Project Sponsor Obtains Cost Share, Notifies or Certifies to Lead Agency	-
Project Sponsor Enters into Contracts, Purchase Orders, etc. - Start	-
Project Sponsor Enters into Contracts, Purchase Orders, etc. - Complete	-
Project Installation(s) – Start	1/06/2020
Project Installation(s) – Complete	4/01/2020
Project Sponsor provides detailed invoices for all claimed project costs, documentation for emission reduction estimates, required certification documents to Lead Agency to support direction to Trustee for Payment (Reimbursement, Direct-to-Vendor) or final accounting (Forward Funded Projects)	-
Lead Agency completes review and certifies payment direction to Trustee (Reimbursement)	-
Trustee Acknowledges Receipt of Direction for Payment(s) (Advance Funded, Reimbursement)	-
Project Sponsor Certifies Project Completion	-
Lead Agency Reports Project Completion	5/13/2020

**PROJECT BUDGET**

Period of Performance: _____				
Budget Category	Total Approved Budget	Share of Total Budget to be Funded by the Trust	Cost-Share, if applicable (Entity #1)	Cost-Share, if applicable (Entity #2)
1. Equipment Expenditure	\$ 215,339.44	\$ 215,339.44	\$	\$
2. Contractor Support <i>(Provide List of Approved Contractors as Attachment with approved funding ceilings)</i>	\$	\$	\$	\$
3. Subrecipient Support <i>(Provide List of Approved Subrecipients or Grant Awardees as Attachment with approved funding ceilings)</i>	\$	\$	\$	\$
4. Administrative <sup>1</sup>	\$ 13,564.56	\$ 13,564.56	\$	\$
<b>Project Totals</b>	\$ 228,904.00	\$ 228,904.00	\$	\$
<b>Percentage</b>	100 %	100 %	%	%

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

**PROJECTED TRUST ALLOCATIONS:**

	2017	2018	2019	2020	2021
1. Anticipated Annual Project Funding Request to be paid through the Trust	\$	\$	\$ 228,904.00	\$	\$
2. Anticipated Annual Cost Share	\$	\$	\$ 0	\$	\$
3. Anticipated Total Project Funding by Year (line 1 plus line 2)	\$	\$	\$ 228,904.00	\$	\$
4. Cumulative Trustee Payments Made to Date Against Cumulative Approved Beneficiary Allocation	\$	\$	\$ 160,657.00	\$	\$
5. Current Beneficiary Project Funding to be paid through the Trust (line 1)	\$	\$	\$ 228,904.00	\$	\$
6. Total Funding Allocated to for Beneficiary, inclusive of Current Action by Year (line 4 plus line 5)	\$	\$	\$ 389,561.00	\$	\$
7. Beneficiary Share of Estimated Funds Remaining in Trust	\$	\$	\$ 0	\$	\$
8. Net Beneficiary Funds Remaining in Trust, net of cumulative Beneficiary Funding Actions (line 7 minus line 6)	\$	\$	\$ 0	\$	\$

**Hoopa Valley Tribal Council  
Land Management Department**



P.O. Box 1130, 12 Cannery Road, Hoopa, CA 95546  
Phone: 530-625-5515 Fax: 530-625-5446

**Hoopa Valley  
Sustainable Diesel Vehicle  
Project Initiative**

**D-4 Addendums and Attachments**

Volkswagen Environmental Mitigation Trust Agreement

**Submitted By:**

Brian McCaughey, GIS Analyst/Database Coordinator  
Hoopa Valley Tribe

August 26, 2019

## 5.2.2

### Detailed Description of Mitigation Action Items Including Community and Air Quality Benefits

#### Description of Mitigation Action Items

The Hoopa Valley Tribe in Humboldt County, California, is a rural timber harvesting tribe, with lots of roads and trucks. Our mitigation project has two elements, both designed to achieve a significant reduction in diesel emissions. The first involves a five-year strategy aimed at the replacement of eligible tribal fleet diesel trucks, to vastly improve fuel efficiency by decreasing fuel consumption and diesel emissions while cutting down on fuel costs. The second element involves the scrapping of existing vehicles. As a designated beneficiary in the second funding cycle we plan to replace 1 qualifying fleet vehicle (VIN# 1FDYU90BXRVA06123 ) with a 2019 diesel model.

#### Group Name: 1994 LT9000 Water Tender

Type Onroad	Engine Model Year 1994	Fuel Type ULSD
Target Short Haul - Single Unit	Upgrade Year 2019	Annual Fuel Gallons 1,463
Class or Equipment Class 8	Remaining Life 1	Annual Miles Traveled 14,962
Quantity 1		Annual Idling Hours 30
<a href="#">Edit Group</a>	<a href="#">Copy This Group</a>	<a href="#">Delete</a>

#### Community and Air Quality Benefits

Approximately 5,000 people live on the Hoopa Valley Indian Reservation. Most residents live in the 3,500-acre Hoopa Valley and adjacent bench lands, which lie within the center of the Reservation. The valley floor is bisected in a north-south direction by the meandering Trinity River. The climate of the Hoopa Valley is characterized by wet cool winters and dry hot summers. Temperatures in the basin are influenced by prevailing air masses, dynamic topography, cold dense air from higher elevations and cool moist air from the Pacific Ocean. Wind cycles seasonally on the reservation. Greatly influenced by temperature, wind blows up and down the river valley on a daily basis from spring through fall. However, during stable winter weather, the reservation air mass also stabilizes and an inversion layer of cold air traps nitrogen oxides (NO<sub>x</sub>), sulfur dioxide (SO<sub>2</sub>), particulate matter (PM<sub>10</sub>), PM<sub>2.5</sub>, and Diesel PM emissions within the valley floor. The Hoopa Valley Tribe has worked diligently to improve air quality on the Reservation by eliminating outdoor open burning pollution as well as improving the efficiency of wood stoves. Funding acquired through the Environmental Mitigation Trust will assist Hoopa Valley in improving fuel efficiency of our fleet of vehicles.

We anticipate our project reducing PM<sub>2.5</sub>, which will lead to annual health benefits resulting from reduced exposure to PM<sub>2.5</sub>. These benefits include the reduction of premature mortality, chronic bronchitis, asthma attacks, non-fatal heart attacks, and other health problems. The dollar values are based on studies used by the Environmental Protection Agency when



estimating the health benefits of environmental rules. We estimate our health impacts to be as follows:

**Health Benefits Results**

<b>County and State</b>	<b>Annual Diesel PM2.5 Reduction (short tons)</b>	<b>Annual Benefits</b>	<b>Annualized Unit &amp; Labor Costs</b>
<b>Humboldt, California</b>	0.019	\$3,600	-
<b>Total</b>	0.019	\$3,600	\$0

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### 5.2.3 Addendum

#### **Estimate of Anticipated NOx Reductions**

The combined results for the upgrade entered for our project is 0.223 short tons annually with a 95.4% annual reduction annually and over the lifetime of the vehicle after the upgrade. Details are as follows:

### **Emission Results**

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

<i>Annual Results (short tons)</i> <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	0.233	0.019	0.026	0.068	16.5	1,463
Amount Reduced After Upgrades	0.223	0.019	0.025	0.063	0.0	0
Percent Reduced After Upgrades	95.4%	99.1%	95.3%	93.0%	0.0%	0.0%
<i>Lifetime Results (short tons)</i> <sup>2</sup>						
Baseline for Upgraded Vehicles/Engines	0.233	0.019	0.026	0.068	16.5	1,463
Amount Reduced After Upgrades	0.223	0.019	0.025	0.063	0.0	0
Percent Reduced After Upgrades	95.4%	99.1%	95.3%	93.0%	0.0%	0.0%
<i>Lifetime Cost Effectiveness (\$/short ton reduced)</i>						
<b>Capital Cost Effectiveness</b> <sup>4</sup> (unit & labor costs only)	\$0	\$0	\$0	\$0	\$0	
<b>Total Cost Effectiveness</b> <sup>4</sup> (includes all project costs)	\$0	\$0	\$0	\$0	\$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

**1994 Class 7 Short Haul:** Short Haul - Single Unit | Class 6-7

1 years

### 5.2.7.2 Addendum

#### **Describe how the Beneficiary will make Documentation Publicly Available**

All documents and forms regarding the Hoopa Valley Tribe's involvement with Wilmington Trust (Trustee) throughout the Volkswagen Settlement process will be displayed publicly on the Hoopa Valley Land Management website (<http://www.hoopatepa.org>). Any information published at [hoopatepa.org](http://www.hoopatepa.org) will be subject to all applicable Hoopa Valley Tribal laws, including those governing publication of confidential business information and personally-identifiable information.

## **Attachment C**

### **5.2.11**

#### **Detailed Plan for Reporting on Eligible Mitigation Action Implementation**

The Hoopa Valley Tribal Council has ordinances and procedures set in place to properly manage all funding received by the Hoopa Valley Tribe. The Tribe's Fiscal Department employs a Chief Financial Officer and a Grants Compliance Officer who manage and have oversight of all funding received by the Hoopa Valley Tribe. The Hoopa Valley Tribe's Grants Compliance Officer ensures that all grant funds are being spent in accordance with grant guidelines and will prepare a Federal Financial Report (SF-425) to be submitted to the funding agency before the required timeline at the closing of the fiscal year. As a requirement of the Federal Government and Office of Management and Budget Super Circular, a Single Agency Audit is performed on an annual basis. The Hoopa Valley Tribe utilizes an electronic and hard copy accounting system; document retention guidelines are strictly adhered to. Monthly expenditure reports are prepared on every grant contract and program and distributed to department directors, who are responsible for expenditure approval and the day-to-day management.

Furthermore, The Hoopa Valley Tribe will for each Eligible Mitigation Action (EMA) no later than 6 months after the disbursement of Trustee Assets of each year will submit to the Trustee a semi-annual report describing the progress 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 approved EMA. The reports will be signed by an official 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**

**5.2.6**

**Detailed Cost Estimates from Selected or Potential Vendors for each Proposed Expenditure Exceeding \$25,000**

Below we provide a list of the vehicles we aim to replace, with cost estimates for new, equivalent vehicle replacements. The vendor quotes attached in the Appendix include shipping costs, and are based upon comprehensive and rigorous general market research. Scrapping of old vehicles should not have associated costs, as our research revealed that most scrapping businesses will not charge for this service, since the metal from the old vehicles is valuable to them.

Furthermore, the purchase of the replacement vehicle utilizing VW Settlement Mitigation Funds will be made in accordance with the Hoopa Valley Tribe's Procurement Policy, as well as any procurement requirement and guidelines set forth by the trustee. Three (3) quotes for the vehicle will be required and/or a justification will be provided on the selection of the vendor to which the vehicle will be purchased. The Hoopa Valley Tribe's Procurement Policy is set in place to ensure purchases and expenditures are made in full compliance with federal standards and to assure that purchases are procured efficiently, effectively, and at the most favorable prices available to the Hoopa Valley Tribe. The procurement policy also provides safeguards for maintaining a procurement system of quality and integrity. The vehicle will be purchased as a capital addition and the appropriate documentation will be completed for filing it as an asset with our Insurance Department to ensure that it is recorded with the Hoopa Valley Tribe and placed under the Hoopa Valley Tribe's insurance policy.

Original Vehicle Year	Make	Model	Fleet Vehicle Specifications	Fleet Vehicle #	2020 Model Replacement Cost
1994	FORD	LT9000 WATER TENDER/ FIRETRUCK (WT-9551)	Class 8	2	\$ 215,339.44
				<b>TOTAL</b>	<b>\$ 215,339.44</b>

## VW SETTLEMENT MITIGATION ACTION BUDGET Hoopa Valley Tribe

PERSONNEL	TOTAL
GIS Analyst/Database Coordinator @ \$22.60/hour (240 Hours)	\$5,424.00
Office Administrator @ 18.27/hour (60 Hours)	\$1,096.20
Fringe @ 36% (Average)	\$2,347.27
<i>subtotal</i>	<b>\$8,867.47</b>
SUPPLIES	
Internet, telephone, scanner, paper, printing supplies, notary fees for application	\$336.51
<i>subtotal</i>	<b>\$336.51</b>
TRAVEL (Mileage)	
Travel necessary for purchase of vehicle	\$350.00
<i>subtotal</i>	<b>\$350.00</b>
Capital Addition-Vehicle	
1994 FORD L9000 WATER TENDER/ FIRETRUCK (WT-9551)	<b>\$215,339.44</b>
<i>subtotal</i>	<b>\$215,339.44</b>
<b>Direct Total</b>	<b>\$224,893.42</b>
<b>Indirect Total (61.51%)</b>	<b>\$4,010.58</b>
<b>Project Total</b>	<b>\$228,904.00</b>

## Mitigation Action Administrative Expenditures Hoopa Valley Tribe

<b>Personnel</b>	GIS Analyst/Database Coordinator @ 22.60/hour	\$	5,424.00
	Office Administrator @ 18.27/hour	\$	1,096.20
	<b>Total Personnel</b>	<b>\$</b>	<b>6,520.20</b>
	Fringe Rate (36%)	\$	2,347.27
	Mileage (To obtain Vehicle Information for submittal-700 miles @.50/mile)	\$	350.00
	Supplies (Internet, telephone, printer/scanner, paper, printing supplies, ink, Notary Fees for Application)	\$	336.51
	Additional costs (Indirect Rate 61.51%)	\$	4,010.58
	<b>TOTAL ADMINISTRATIVE EXPENSES</b>	<b>\$</b>	<b>13,564.56</b>

**Randco Tanks**  
 2250 Talley Way  
 Kelso, WA 98626  
 360-425-9100  
 sales@randcotanks.com  
 www.randcotanks.com



**ADDRESS**

Rod Mendes  
 Hoopa Tribe  
 oes@hoopa-nsn.gov  
 530-625-4220

**Estimate 2491**

**DATE 08/05/2019**

**CUSTOMER P.O.#**

Hoopa Tribe

**SALES REP**

KES

PRODUCT / SERVICE	DESCRIPTION	QTY	AMOUNT
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\*\*\*\*\*If this goes through\*\*\*\*\*  
 -We would need to Have payment for the amount truck is to be purchased for. If the customer is interested in extended warranties or options these would be in addition to the base price below.  
 -12% FET TAX is not included. Recommend you providing the correct documentation to be exempt.( I believe municipalities are exempt)

<b>MISC // Parts</b>	STOCK #:286282 YEAR:2019 MAKE:FREIGHTLINER MODEL:M2106 CONDITION:NEW COLOR:WHITE PRICE:\$115,900 SLEEPER:N/A ENGINE TYPE:L9 HORSEPOWER:350 TANK SIZE:1 X 50 MILEAGE:7 TRANS:3000 RDS SUSPENSION:AIRLINER RATIO:4.78 TIRES:385/65R22.5 FRONT, 11R22.5 REAR WHEELS:ALUMINUM FRONT, STEEL REAR WHEELBASE:258" REAR AXLES:40,000 FRONT AXLES:18,000	1	115,900.00T
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Project Starts after Signed Estimate and 25% Down. Change Orders will incur a \$50 Fee per Change Order. Estimate is Valid for Seven (7) Days from Time of Quote.



PRODUCT / SERVICE	DESCRIPTION	QTY	AMOUNT
<b>17' Low 3050</b>	17' Low Profile 3050 (approx) Gallon Bare Tank (Elliptical Flat Side Tank), (17' L x 48" H x 94" W) Entire Tank Welded Inside and Out Front and Rear Heads Dished 4" 3/16" Heads and Baffles (Baffled With 22" Crawl Holes) 1/4" Steel Subframe with Cross Members and Bolsters Rubber Padded Perma Slats Welded to Tank Subframes 2-Lift Eyes Top of Tank Rear Anti Skid Ladder 2.5" Hydrant Fill to Top of Man Hole 24" x 24" Manhole (lid not included)-----Upgraded below 2-View Tubes installed(1-front, 1-rear) Tank Primered Coated	1	11,895.00T
<b>Transverse Baffle - MP</b>	Transverse Baffling - Medium Profile (Installed) (Side to Side)	1	750.00T
<b>4 Comp. NFPA Baffle - MP</b>	4 Compartment Longitudinal Baffling - Medium Profile (Front to Rear) (NFPA Requirement)	1	1,250.00T
<b>20" M/S - Installed</b>	Sealed Manway Cover - 20" - Mild Steel (Installed)	1	893.00T
<b>3" Mild Steel Vent Installed</b>	3" Mild Steel Vents Installed Through Tank Elbowed back to top of tank. These vent behind the rear differential.	2	900.00T
<b>BUNDLE - Spring Loaded Tie Down System</b>	Tank Tie Down System - Spring Loaded /INSTALLED // TANDEM	1	0.00
<b>Tie Down Bracket Set - Corner</b>	Standard Tie Down Bracket Set (Double Hole Bracket)	4	
<b>Tie Down Bracket Set - Center</b>	Center Tie Down Bracket Set (Single Hole Bracket)	2	
<b>Tie Down Bolt Assembly</b>	(1) Spring, (1) Bolt, (1) Nut, (2) Washer	10	
<b>5/8 Grade 8 Bolt Assembly</b>	5/8" x 2" Grade 8 Flange Bolt Assembly (Flange Bolt, Flange Nut)	20	
<b>SHOP RATE - STANDARD</b>	Hourly Shop Rate for Standard Shop Work	6	
<b>Fenders Installed T/A</b>	Fenders Installed - Tandem Axle	1	1,000.00T
<b>BUNDLE - DOT Lighting System</b>	D.O.T Lighting System - INSTALLED This has 2 rear stop/tail/turns 2- rear backup lights 4-marker lights.	1	0.00

Project Starts after Signed Estimate and 25% Down. Change Orders will incur a \$50 Fee per Change Order. Estimate is Valid for Seven (7) Days from Time of Quote.



PRODUCT / SERVICE	DESCRIPTION	QTY	AMOUNT
<b>4" S.T.T. Light - Red - LED</b>	4" S.T.T.(Stop,Tail,Turn) Light Kit - Red - LED (STT,Grommet, Pigtail)	2	
<b>2.5" Marker Light - Amber</b>	2.5" Marker Light Kit - Amber - LED(Marker,Grommet, Pigtail)	2	
<b>2.5" Marker Light - Red</b>	2.5" Marker Light Kit - Red - LED(Marker, Grommet, Pigtail)	2	
<b>4" Reverse Tail Light</b>	4" Reverse Tail Light Kit - LED( Tail Light, Grommet, Pigtail)	2	
<b>License Light</b>	License Plate Light - LED	1	
<b>ID Bar</b>	ID Bar - Red - LED	1	
<b>Lighting Hardware - Nuts/Bolts</b>	(4) 5/16" Bolts, Nuts, Flat & Lock Washers	1	
<b>Bracket - 2.5" Marker Light</b>	Bracket for 2.5" Marker Light	4	
<b>.50" Pipe</b>	.50" Pipe (Sold Per Foot)	1	
<b>.50" Pipe</b>	.50" Pipe (Sold Per Foot)	1	
<b>Bracket - License Plate Light</b>	Bracket for License Plate Light w/ Nuts, Bolts & Washers	1	
<b>Bracket - Tail Light/Reverse Light</b>	Bracket for Tail Lights & Reverse Lights	2	
<b>SHOP RATE - STANDARD</b>	Hourly Shop Rate for Standard Shop Work	4	
<b>Hotshift PTO - Remote Shaft (Installed)</b>	Remote Shaft Hot Shift PTO (INSTALLED) CS24/CS10/MCA1 (This is wired in as a stand alone harness, To have the switch wired and programed into the ECU would be time and material. )	1	2,995.00T
<b>1300 Series Driveline</b>	1300 Series Driveline Installed	1	850.00T
<b>HM 500 Pump (INSTALLED)</b>	HM 500 Pump (INSTALLED) Working With Pump supplier to Check if the 250 GPM @ 250PSI will work with the transmission in the truck.	1	12,000.00T
<b>Inlet Discharge Plumbing (Installed)</b>	Inlet/Discharge Plumbing - Installed	1	1,788.00T
<b>Discharge Relief Valve (Installed)</b>	Darley 3" Discharge relief valve (INSTALLED)	1	3,045.00T
<b>Bundle - Front Spray System</b>	FRONT SPRAY SYSTEM INSTALLED -Has butterfly valve upgrade( Victaulic) Controlled Manuel momotary air switch	1	0.00

Project Starts after Signed Estimate and 25% Down. Change Orders will incur a \$50 Fee per Change Order. Estimate is Valid for Seven (7) Days from Time of Quote.

PRODUCT / SERVICE	DESCRIPTION	QTY	AMOUNT
<b>3" Butterfly WxW (Installed) - Pneumatic</b>	3" Butterfly Valve Weld x Weld Installed - Grooved - Pneumatic (Victaulic brad)	2	
<b>1/8" Tube x 1/8" Mnpt - Short Thread</b>	1/8" Tube x 1/8" Mnpt 90 Degree Elbow - Short Thread	2	
<b>Spray Head Grooved - Steel</b>	3" Steel Spray Head Grooved - Randco Style 201	2	
<b>2.5" Plain King Nipple</b>	2.5" Plain King Nipple	2	
<b>3" x 54" Spray Bar</b>	3" x 54" Spray Bar (Brackets Not Included)	1	
<b>Front Spray Bar Brackets (3')</b>	Front Spray Bar Bracket fits 3' Pipe	1	
<b>1/8" Tubing (Polyethylene)</b>	1/8" Polyethylene Tubing (ft)	40	
<b>MISC // Parts</b>	Stainless steel braided hose.	1	
<b>MISC // Parts</b>	Parts - Miscellaneous	1	
<b>T Bolt 300 Hose Clamp</b>	300 T-Bolt Hose Clamp	4	
<b>3" Victaulic Clamp</b>	3" Victaulic Clamp - Quick Vic	8	
<b>2.5" 90 Degree Elbow</b>	2.5" 90 Degree Elbow - Schedule 40	2	
<b>2.5" Pipe</b>	2.5" Pipe (Sold Per Foot)	2	
<b>Pneumatic Switches(WF) - 2 Position</b>	Cab Control Pneumatic Switches (with fittings)	2	
<b>3" Grooved 90 Elbow</b>	3" Grooved Elbow 90 Degree	2	
<b>1/4" Merchant Coupler Carbon Steel</b>	1/4" Merchant Coupler Carbon Steel	1	
<b>1/4" Square Head Plug</b>	1/4" Square Head Plug Black	1	
<b>SHOP RATE - STANDARD</b>	Hourly Shop Rate for Standard Shop Work	6	
<b>BUNDLE - Rear Spray System</b>	REAR SPRAY SYSTEM INSTALLED -Has butterfly valve upgrade( Victaulic) Controlled Manuel momotary air switch	1	0.00
<b>3" Butterfly WxW (Installed) - Pneumatic</b>	3" Butterfly Valve Weld x Weld Installed - Grooved - Pneumatic (Victaulic brad)	2	
<b>1/8" Tube x 1/8" Mnpt - Short Thread</b>	1/8" Tube x 1/8" Mnpt 90 Degree Elbow - Short Thread	2	

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PRODUCT / SERVICE	DESCRIPTION	QTY	AMOUNT
<b>Spray Head Grooved - Steel</b>	3" Steel Spray Head Grooved - Randco Style 201	2	
<b>3" Grooved 90 Elbow</b>	3" Grooved Elbow 90 Degree	2	
<b>Rear Spray Bar Brackets (3")</b>	Rear Spray Bar Bracket fits 3" Pipe	1	
<b>3" x 54" Spray Bar</b>	3" x 54" Spray Bar (Brackets Not Included)	1	
<b>1/8" Tubing (Polyethylene)</b>	1/8" Polyethylene Tubing (ft)	30	
<b>1/8" Tubing (Polyethylene)</b>	1/8" Polyethylene Tubing (ft)	30	
<b>3" Victaulic Clamp</b>	3" Victaulic Clamp - Quick Vic	8	
<b>3" Pipe</b>	3" Pipe (Sold Per Foot)	6	
<b>3" Pipe</b>	3" Pipe (Sold Per Foot)	6	
<b>3" Pipe</b>	3" Pipe (Sold Per Foot)	2	
<b>3" FITTING - Short</b>	3" Groove x Weld Pipe Fitting - 2" Long	4	
<b>Pneumatic Switches(WF) - 2 Position</b>	Cab Control Pneumatic Switches (with fittings)	2	
<b>Plumbing Mounting Hardware</b>	(1) Set of 1/2" x 2" Bolts, Nuts, Flat Washers, Lock Washers and Nuts	2	
<b>SHOP RATE - STANDARD</b>	Hourly Shop Rate for Standard Shop Work	7.30	
<b>BUNDLE - Self Loading System</b>	SELF LOADING / DRAFTING SYSTEM - (2-10' 4" storage tubes with 3" suction hose and footvalve) - INSTALL- 3" drafting valve, Pump to take valve, 4" tank to pump valve these are butterfly valves	1	0.00
<b>3"x10' Draft Suc. Hose with FV</b>	3" x 10' Drafting Suction Hose with Horizontal Foot Valve	1	
<b>3"x10' Draft Suc. Hose MC x F</b>	3" x 10' Drafting Suction Hose Male Camlock	1	
<b>4" Pipe</b>	4" Pipe (Sold Per Foot)	10.20	
<b>4" Pipe</b>	4" Pipe (Sold Per Foot)	10.20	
<b>4" Victaulic Clamp</b>	4" Victaulic Clamp - Quick Vic	2	
<b>3" Victaulic Clamp</b>	3" Victaulic Clamp - Quick Vic	4	
<b>4" Victaulic Butterfly Valve // Manual</b>	4" Victaulic Butterfly Valve // Manual 10 Position Handle // 300PSI // Model 761	1	
<b>3" Victaulic Butterfly Valve // Manual</b>	3" Victaulic Butterfly Valve // Manual 10 Position Handle // 300PSI // Model 761	2	

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PRODUCT / SERVICE	DESCRIPTION	QTY	AMOUNT
<b>3" Plain King Nipple</b>	3" Plain King Nipple	1	
<b>3" 90 Degree Elbow</b>	3" 90 Degree Elbow - Schedule 40	3	
<b>3" Pipe</b>	3" Pipe (Sold Per Foot)	2	
<b>4" FITTING - Long</b>	4" Groove x Weld Pipe Fitting - 10" Long	1	
<b>4" FITTING - Long</b>	4" Groove x Weld Pipe Fitting - 10" Long	1	
<b>3" Pipe</b>	3" Pipe (Sold Per Foot)	3	
<b>3" FITTING</b>	3" Groove x Weld Pipe Fitting	2	
<b>3" King Nipple - Groove</b>	3" King Nipple - Groove	1	
<b>T Bolt 350 Hose Clamp</b>	350 T-Bolt Hose Clamp	2	
<b>3" Discharge Hose</b>	3" Discharge Hose	2	
<b>3" FITTING</b>	3" Groove x Mnpt Pipe Fitting	1	
<b>3" FNPT x Female Camlock</b>	3" FNPT x Female Camlock	1	
<b>3" Camlock Plug</b>	3" Camlock Plug	1	
<b>2" Steel Flat Bar</b>	2" Steel Flat Bar (Per Foot)	1	
<b>SHOP RATE - STANDARD</b>	Hourly Shop Rate for Standard Shop Work	4.59372	
<b>2.5" Quarter NST Fitting Inst</b>	2.5" Quarter Turn Discharge Valve with NST Fittings and Caps Installed( one on the driverside midship, One on the rear spray bar.)	2	645.46T
<b>Bundle - Hose Reel System // 1"</b>	1"x 100' Hannay Hose Reel System - Installed On Rear head of the tank, Centered with ID bar built into mounts.	1	2,191.50
<b>BUNDLE - Electric Hose Reel Upgrade</b>	Components to make a Hannay Reel Electric Rewind (1) Electric Motor (1) Motor Sprocket (1) Disc Sprocket (1) #35 Chain (1) 12v Push Switch (1) 12v Solenoid (1) 70 Amp Circuit Breaker	1	1,124.51
<b>Transverse box</b>	Transverse compartment 36" x48" (to the top of the hose lay) x96"(OD) w/Diamond plate doors and latches(sweep out)(2 slot hose lay on the top of compartment with no supplied cover) 1 shelf inside-	1	5,200.00T

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PRODUCT / SERVICE	DESCRIPTION	QTY	AMOUNT
<b>Quick Dump - Manual (Installed)</b>	10" x 10" Randco Quick Dump Valve - Manual side mount handle - Painted (Installed)	1	1,470.00T
<b>Extended Chute (Installed)</b>	36" Extended Chute for Quick Dump Valve - Painted	1	893.00T
<b>Fire Outside control panel</b>	Fire Outside control panel(contains panel light and switch, Room available for pressure gauge.	1	375.00T
<b>Pressure/Suction Gauge</b>	SUCTION GAUGE FOR INLET	1	220.00T
<b>Pressure/Suction Gauge</b>	Pressure/Suction Gauge 2.5" 0-600PSI (INSTALLED)	1	220.00T
<b>Electronic Throttle Control - Cummins</b>	Cummins - Electronic Throttle Control (INSTALLED)	1	2,475.00T
<b>Programing</b>	Programing Throttle to the truck, If any problems there could be more. This is average estimated cost.	1	1,800.00T
<b>Electric Primer Pump(INSTALLED)</b>	Electric Primer Pump, PVG Valve, Pull Handle(INSTALLED)	1	2,500.00T
<b>Tank Vision Water Level Gauge // Primary</b>	Tank Vision 300 Water Level Gauge // Primary Unit (Installed)	1	893.00T
<b>Tank Vision Water // Mini Cab Water Level</b>	Electronic Water Level Gauge - Mini Cab Installed	1	473.00T
<b>Tender Control box 1,2,3</b>	Tender Control box console for the cab. 1-300 2-300 ,3-150	1	750.00T
<b>Pushblock</b>	Pushblock	1	850.00T
<b>SANDBLAST - Interior</b>	Interior Sandblast of Water Tanks	1	1,650.00T
<b>2600-3200 Epoxy Coating</b>	Interior Epoxy Coating	1	1,628.00T
<b>Chassis Black</b>	Chassis Black touchup on the rear of the truck	1	800.00T
<b>Paint Fire Dept</b>	Paint Fire Dept Tank 2015 Ford Race Red	15	3,300.00T
*****Options*****			
<b>Beacon Brackets</b>	Beacon Light Bracket, with wire tube (INSTALLED)	4	1,000.00T
<b>WA. State Dealers Tax</b>		115,900	3,477.00
*****Noting *****			
-This chassis is a long chassis and might need whell based if your not wanting the mid-ship transverse box.			
-Chassis length is estimated at 398".			
-			

Our kits and bundled items typically reflect a Special Bundled Price. Credited items may not see full return value.      SUBTOTAL      199,464.46

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TAX (8.1%)

15,874.98

TOTAL

**\$215,339.44**

Accepted By

Accepted Date

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