

BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

Beneficiary Confederated Tribes of the Colville Reservation

Lead Agency Authorized to Act on Behalf of the Beneficiary Natural Resource Department
 (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:	Replace Public Works Vehicals
Beneficiary's Project ID:	Public Works 2020
Funding Request No.	(<i>sequential</i>) VW - 2
Request Type: (select one or more)	<input type="checkbox"/> Reimbursement <input checked="" type="checkbox"/> Advance <input type="checkbox"/> Other (specify): _____
Payment to be made to: (select one or more)	<input checked="" type="checkbox"/> Beneficiary <input type="checkbox"/> Other (specify): _____
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 checked="" type="checkbox"/> Appendix D-2 item (specify): <u>Class 8 Large Truck Replacement and Re-power, electric vehical charging</u> Action Type <input type="checkbox"/> Item 10 - DERA Option (5.2.12) (specify and attach DERA Proposal):
Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2): The Tribes will replace a class 8 truck and re-power two others for the Public Works program. This action will reduce diesel emissions in communities, improve reliability of programs functions and services. We will replace the 2000 Peterbuilt semi-truck with a Kenworth, re-power for a 2002 Freightliner Vactor truck and repower a 2005 Pererbuild. We will also install electric vehicle recharging stations
Estimate of Anticipated NOx Reductions (5.2.3): See addendum for details of estimate
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): Central Accounting Department, William Nicholson II Chief Financial Officer
Describe how the Beneficiary will make documentation publicly available (5.2.7.2). Documents can be viewed on Colville Tribes Air Quality Page: https://www.cct-enr.com/volkswagen-diesel-emissions-mitigation
Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8). NA
Describe how the Beneficiary complied with subparagraph 4.2.8, related to notice to U.S. Government Agencies (5.2.9). No requests were recieved from U.S. Government Agencies

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).

NA

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 Confederated Tribes of the Colville Reservation, 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: 8/26/20

Cody Desautel, Natural Resources Director

[NAME]

[TITLE]

Natural Resources Department

SIGNATURE: 

[LEAD AGENCY]

for

Confederated Tribes of the Colville Reservation

[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	
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	10-27-20
Trustee Allocates Share of Funds for Approved Project	11-12-20
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	12-01-20
Project Sponsor Enters into Contracts, Purchase Orders, etc. - Complete	10-01-2021
Project Installation(s) – Start	
Project Installation(s) – Complete	
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	10-30-21

PROJECT BUDGET

Period of Performance: <u>Third Funding Cycle 2020-21</u>				
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	\$ 290,494	\$ 290,494	\$	\$
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 ¹	\$ 7,150	\$ 7,150	\$	\$
Project Totals	\$ 297,644	\$ 297,644	\$	\$
Percentage	100 %	100 %	%	%

¹ 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	\$	\$	\$	\$ 297,644	\$
2. Anticipated Annual Cost Share	\$	\$	\$	\$	\$
3. Anticipated Total Project Funding by Year (line 1 plus line 2)	\$	\$	\$	\$ 297,644	\$
4. Cumulative Trustee Payments Made to Date Against Cumulative Approved Beneficiary Allocation	\$	\$	\$	\$	\$
5. Current Beneficiary Project Funding to be paid through the Trust (line 1)	\$	\$	\$	\$	\$
6. Total Funding Allocated to for Beneficiary, inclusive of Current Action by Year (line 4 plus line 5)	\$	\$	\$	\$	\$
7. Beneficiary Share of Estimated Funds Remaining in Trust	\$	\$	\$	\$	\$
8. Net Beneficiary Funds Remaining in Trust, net of cumulative Beneficiary Funding Actions (line 7 minus line 6)	\$	\$	\$	\$	\$

Appendix D-4: Addendum and Attachments

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

The Confederated Tribes of the Colville Reservation Public Works Department implements projects throughout the Reservation, and communities. The vehicles being replaced and repowered will improve the safety and reliability of these projects and lessen the exposure of our sensitive population to emissions. The new vehicle and engines will fall within the required model year range 2019-2021 for this funding cycle. Installation of electric vehicle recharging stations will provide important infrastructure at the Lucy Covington Government Center to help promote emission free travel.

Estimated of Anticipated NOx Reductions (5.2.3):

The EPA's online Diesel Emissions Quantifier tool was used to estimate NOx emissions from 2002 Freightliner Vactor Truck, VIN# 1FVABXAK82HK95204, (re-power); 2000 Peterbuilt Semi Truck, VIN# 1NPFLb0X61D565771 (replacement); 2005 Peterbuilt, VIN# 1NPFDb0X35D871653 (repower). Default values were used for all calculations.

Type	Target Fleet	Class/Equipment/Engine Type	Model Year	Retrofit Year	Annual Baseline of Vehicles (NOx, short tons)	Lifetime Baseline of Vehicles (NOx, short tons)	Percent Reduced (NOx, %)
Freightliner Vactor Truck	Short Haul - Single Unit	Class 8	2002	2020	0.1737 87056	0.3475 74113	93.6
Peterbuilt Semi Truck	Construction	Class 8	2000	2020	0.1737 87015	0.8689 35073	93.6
Peterbuilt Semi Truck	Construction	Class 8	2005	2020	0.0973 3465	0.1946 69	88.6

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

All documentation and records submitted by the Confederated Tribes of the Colville Reservation for participation in the VW settlement program are available at the air quality program offices with prior appointments. The office is located in the Lucy Covington Government Center, 21 Colville Street Nespelem WA 99155. Documentation that does not contain sensitive information, as determined by the Office of Reservation Attorney shall be made available on the website: <https://www.cct-enr.com/volkswagen-diesel-emissions-mitigation>.

Attachments C

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

As required by Section 5.2.11 under the Tribal Trust Agreement and in general accordance with the guidance set forth in Section 5.3 of the Tribal Trust Agreement (Beneficiary Reporting Obligations) the following plan will be implemented:

1. The Confederated Tribes of the Colville Reservations Public Works Department will track the purchase of the new truck, repower of vehicals and certified scrappage of the existing Class 8 trucks for performance measurements.
2. The Natural Resource Department will submit semiannual reports to the Trustee describing the progress made on implementing the Eligible Mitigation Action (EMA) during the six-month period leading up to the reporting date.
3. Each report will include all costs associated with the EMA through the reporting date. The first report will be submitted no later than six months after receiving the first disbursement of Trust Assets.
4. Reports will include a complete description of the status, development, implementation, and any modifications to the EMA.
5. Natural Resource Director, the Chief Executive Officer of the Confederated Tribes of the Colville Reservation will sign these reports.

Attachment D

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

Budget Breakdown

Category	Description	Cost	Details
Equipment	2002 Freightliner Vactor Truck	\$35,754.35	Repower Vactor Trucks Diesel Engines
	2000 Peterbuilt Semi Truck	\$155,531	Replace Peterbuilt Truck
	2005 Peterbuilt Semi Truck	\$67,459.98	Repower Peterbuilt Truck

	Electric Vehicle Charging Station Infrastructure	\$16,000	Lucy Covington Government Center
	Installation of Electric Vehicle Charging Station	\$15,749	Lucy Covington Government Center
Administrative ¹	Public Works Director	\$1,907	40 Hours @ \$47.69
	Public Works Maintenance Manager	\$878	20 Hours @ \$43.92
	Office of Reservation Attorney	\$2,500	20 Hours @ \$125.00
Indirect Cost (Salaries)		\$1,865	Salaries X 35.29%
Total		\$297,644	

¹ The Colville Tribes will provide a detailed description of cost associated with administering this program in each progress report. Positions covered may include, Natural Resource Director, CFO, Public Works, Environmental Trust, and Webmaster.

² The Colville Tribes negotiated indirect rate is 35.29% and will be charged for salaries associated with this project.



CUSTOMER AGREEMENT

I hereby place a firm order for the Kenworth chassis described on the attached proposal, which includes standard equipment set forth in current Kenworth price lists unless otherwise specified herein, together with the equipment designated on the following page(s); and I agree to pay the full purchase price shown in accordance with terms and conditions contained in this Purchase Order. I understand this Purchase

TRUCK PURCHASE DEPOSIT AGREEMENT

It is agreed and understood by the undersigned that this deposit will be held by Kenworth Northwest Inc. ("Distributor"), and will be applied toward the cash purchase price, cash down payment, or initial lease-purchase payments, whichever shall apply at time of delivery.

It is further agreed and understood that if the Customer cancels the above referenced Sales Order at any time after the chassis has: (1) entered production at the factory, (2) been purchased by the Distributor from another Distributor, or (3) has undergone Sales Order modification at Distributor expense, that the Distributor shall reserve the right, at its discretion, to hold the deposit until the chassis is sold in the market or is otherwise satisfactorily disposed of; in which event the Distributor will be allowed to retain from the deposit whatever charges it may incur until the chassis is sold and damages it shall have suffered by reason of such cancellation; provided, in the event the charges incurred and damages suffered by Distributor exceed the deposit, Customer agrees to pay Distributor the amount of such excess, and in the event there is a balance after said charges and damages, the balance will be remitted to Customer within ten (10) days thereafter. If the Sales Order is cancelled at no loss or inconvenience to the Distributor, the deposit will be returned to Customer upon request.

The foregoing shall not be interpreted to give the Customer a right to cancel the aforesaid Purchase Order, but merely sets forth the rights to the use of the purchase deposit in the event the Purchase Order is cancelled with the consent of the Distributor.

The Sales Price has been based on Distributor's Factory List Price in effect on the date hereof. Any increase in List Price in effect on the date of delivery shall be added to the Sales Price and terms of payment shall be adjusted Accordingly.

Customer	Colville Indian Tribes
Contact Name	Jared Seymour
Address	21 Colville Street
City, State, Zip	Colville, WA 99155
Phone #	509-634-0092
Email	jared.seymour.pub@colvilletribes.com

TRUCK INFORMATION

<u>Quantity</u>	<u>Model / Chassis</u>	<u>SALES PRICE</u>	<u>FET</u>	<u>TOTAL</u>
1	LoBoy Tractor	\$ 139,964.00	\$ -	\$ 139,964.00
	Body/Trailer	\$ 15,567.00	\$ -	\$ 15,567.00
	Upfits:	\$ -	\$ -	\$ -
	Total Discounts:	\$ -		\$ -
	TOTAL PER TRUCK:	\$ 155,531.00	\$ -	\$ 155,531.00

TRADE INFORMATION

<u>Year</u>	<u>Make / Model</u>	<u>Trade Value</u>	<u>Less payoff</u>	<u>Trade Equity</u>
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -

THE PURCHASE ORDER AND DEPOSIT AGREEMENT INCLUDING THE LIMITATION OF WARRANTY IN PARAGRAPH 5 SHALL BE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED ON THE REVERSE SIDE HEREOF.

Deposit	
Sales Tax	\$ -

Total Due per Truck	\$ 155,531
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Customer Signature

Unpaid Balance Finance By:

**Kenworth Northwest
Jim Skraba**

August 12, 2020

- ❖ **Low boy or Side dump wet kit. (Customer supplies all Side dump controls)**
- **Cab guard mounted hydraulic tank with a in tank return filter.**
- **P20 pump 10gpm at 750 rpm and 25gpm at 1500 rpm**
- **2 line system to run Low boy or side dump.**

- **Hose hanger from cab rack for hydraulic lines.**

- ❖ **Wickum Weld cab guard diamond plate with side bins and chain hangers Installed.**
 - **Wide load air actuated sign.**
 - **Two Beacons, one on each side**

- ❖ **Fender**
- **Half tandem fenders for front duals.**
 - **#30-7322**
 - **#30-7525**
 - **#30-7394-50S**
- **Lift axle fenders Pro Tech smooth polished aluminum with Pederson brackets to move with lift axle.**



GORDON TRUCK CENTERS DEALER FAMILY

FREIGHTLINER NORTHWEST SPOKANE
(509) 744-0390

SERVICE REPAIR ESTIMATE

Bill-To Customer 90011

Owner 90011

COLVILLE CONFEDERATED TRIBES

COLVILLE CONFEDERATED TRIBES

PO BOX 150
NESPELEM, WA 99155

PO BOX 150
NESPELEM, WA 99155

PO Required

Invoice
SE001047701

Invoice Date

P.O. Number

Contact Name:
Contact Number: (509) 631-0759
Pinnacle Number:
Claim Number:

VIN: **1FVABXAK82HK95204**
Year: 2002
Make: FREIGHTLINER
Model: MEDIUM CONVENTI

Fleet ID:
Unit ID: 314861

Date In	Date In Service	Mileage	Date Out	Bill Type	Terms	Writer	Reviewer
07/22/2020	12/31/9999	0	07/22/2020	SR	10TH	1779	

Estimate Operations

Job #: 1	Job Code: j10	Job Description: GENERAL SERVICE REPAIR
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Condition: Replace engine

Cause:

Correction:

Product / Description	Qty Ordered	Qty B/O	Qty Shipped	Unit Price	Extended Amount
LABOR TO PERFORM REPAIRS					4,200.00
001K/20R0015 ENG AR	1.00	0.00	1.00	24,079.60	24,079.60
001S/MBL 105816 OIL, M-DEL SUP 15W-40,BULK	40.00	0.00	40.00	4.24	169.60
001S/OWI AMAB53 ALLIANCE 50/50 OAT 6/1 CASE	14.00	0.00	14.00	8.74	122.36
001F/DN P532966 AIR PRMYRS	1.00	0.00	1.00	54.25	54.25
001K/20R0015-CORE ENG AR	1.00	0.00	1.00	5,653.54	5,653.54
NONSTK MISC BELTS HOSES FASTENERS FLUIDS	1.00	0.00	1.00	1,000.00	1,000.00

Total Labor: 4,200.00 Total Parts: 31,079.35 Job Total: 35,279.35

Job #: 2	Job Code: J10	Job Description: GENERAL SERVICE REPAIR
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Condition: Install exhaust brake

Cause:

Correction:

Product / Description	Qty Ordered	Qty B/O	Qty Shipped	Unit Price	Extended Amount
LABOR TO PERFORM REPAIRS					0.00

Total Labor: 0.00 Total Parts: 0.00 Job Total: 0.00

Job #: 3	Job Code: qa	Job Description: QUALITY ASSURANCE CHECK
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Condition: QUALITY ASSURANCE CHECK

Cause:

Correction:

Estimate Operations (Cont.)

<i>Product / Description</i>	<i>Qty Ordered</i>	<i>Qty B/O</i>	<i>Qty Shipped</i>	<i>Unit Price</i>	<i>Extended Amount</i>
LABOR TO PERFORM REPAIRS					0.00

Total Labor: **0.00**
 Total Parts: **0.00**
 Job Total: **0.00**

ESTIMATE ONLY

E-mail invoicing now available!

AccountsReceivable@freightlinernw.com to enroll

TERMS & CONDITIONS:

A service CHARGE of 1.5% per month (ANNUAL PERCENTAGE RATE 18%) will be added to any past due balance.

ESTIMATE ONLY

<i>Misc. Charges**</i>	1,000.00
<i>MerchandiseAmt.</i>	
<i>Parts:</i>	30,079.35
<i>Labor:</i>	4,200.00
<i>Sublet:</i>	0.00
<i>Misc Supplies*</i>	475.00
<i>Taxes:</i>	0.00
Total:	35,754.35

Please Remit Payment to:

**277 STEWART ROAD SW
PACIFIC, WA 98047**

Customer Signature: _____



DOBBS PETERBILT

23501 E. Knox
Liberty Lake, WA 99019
TF: (800) 572-6219



***** Customer Review *****
 Date / Time: 8/31/2020 1:08:35PM
 Repair Order: 874
 Customer: 101913
 Branch: Spok
 Invoice Total: \$ 67,459.98
 Cash
 Page 1 of 1

Bill To: Cash Sales Non-Tax/ICC (Liberty/Spokane)
 23501 E Knox Ave
 Liberty Lake, WA 99109

Ship To: Cash Sales Non-Tax/ICC (Liberty/Spokane)
 23501 E Knox Ave
 Liberty Lake, WA 99109

Customer P/O: sgarcia Completion Date:

Unit Number: Model Year: 2005 Make/Model: Peterbilt 378
 Type: Tractor VIN: 1NPFDBOX35D871653

Task: 1 521 Engine Assembly - Miscellaneous Repair Department: Service
 Complaint: swap out eng. for swing engine.


Supp. Part	Description / Ref Number	U/M	Quantity	Price	Extended Price
CAT15 10R8767	ENGINE AR Part	EA	1.00	41,290.08	41,290.08
CAT15 10R8767-C	CORE TBRB Inherent		1.00	17,531.37	17,531.37
ETN10 308925-25	EP 15.5 2050 TORQ VCT D Part	EA	1.00	782.90	782.90
FUL10 K2468	KIT-CLUTCH INSTALL Part	EA	1.00	280.76	280.76
Dayton15 SB200	Brk - Clutch Part	EA	1.00	27.82	27.82
PTBPR 05-16401	MOUNT-ENGINE FRONT Part	EA	2.00	32.93	65.86
PTBVN MR1001	MOUNT Part	EA	4.00	28.02	112.08
DON10 P534925	FILTER-AIR Part	EA	2.00	81.07	162.14
CHV10 222290-990	CHV DELO 400 SDE 15W40CK- Part	EA	12.00	14.37	172.44
TRPCT EC3501	COOLANT-TRP ELC 50/50 JUG Part	JG	12.00	8.73	104.76
CAT15 1752949	FILTER A Part	EA	1.00	30.95	30.95
SPC10 6.5-70-18X	KIT-STRAP&BOLTS 1/2 Part	EA	2.00	9.41	18.82
Freight	Freight Misc.		1.00	1,000.00	1,000.00


Payment Method
 Cash

Totals	
Total Parts:	\$43,048.61
Total Core Chg:	\$17,531.37
Total Core Ret:	\$0.00
Total EHC:	\$0.00
Total Labor:	\$5,480.00
Total Miscellaneous:	\$1,000.00
Total Environmental Fee:	\$200.00
Total Paint Supplies:	\$0.00
Total Shop Supplies:	\$200.00
Invoice Subtotal:	\$67,459.98
Total Tax:	\$0.00
Invoiced Total:	\$67,459.98

VIN Decoder Powered by

Version: 2.13 last updated on 7/25/2020

 [Release Notes](#)

 [Subscribe/Unsubscribe](#)

VIN

1NPFLB0X61D565771

Model Year

2000

2000 PETERBILT - INCOMPLETE VEHICLE

⚠ Error Text: 0 - VIN decoded clean. Check Digit (9th position) is correct; 12 - Model year entered does not match the model year based on the 10th character in VIN

Manufacturer: PETERBILT MOTORS COMPANY

DBAs:

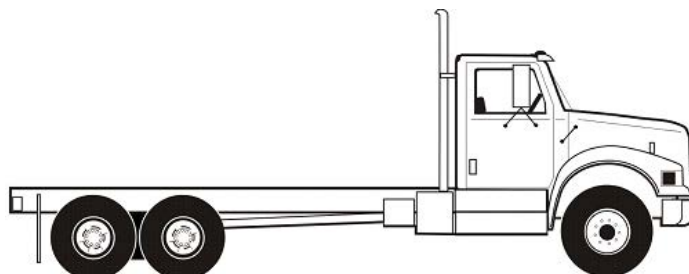
Vehicle Type: INCOMPLETE VEHICLE

Model Year: 2000

Make: PETERBILT

Model: 378

Body Class: Truck



Other Information

Information provided below is based on the details provided by the manufacturer of this vehicle to NHTSA in the part 565 submittal

Gross Vehicle Weight Rating: Class 8: 33,001 lb and above (14,969 kg and above)

Cylinders:

Drive Type: 6x4

Primary Fuel Type:

Engine Model: 3406/C15/C16

Secondary Fuel Type:

Engine Brake (HP):

Engine Manufacturer: Caterpillar

Transmission Speed:

Transmission Style:

Cab Type:

Bed Type:

Engine Displacement (L):

Plant Information: Peterbilt, DENTON, TEXAS, UNITED STATES (USA)

All Vehicle details

NOTE: Any missing decoded values should be interpreted as NHTSA does not have data on the specific variable. Missing value should NOT be interpreted as an indication that a feature or technology is unavailable for a vehicle.

Group Name	Element	Value
	Suggested VIN	
	Error Code	0,12
	Possible Values	
	Additional Error Text	
	Error Text	0 - VIN decoded clean. Check Digit (9th position) is correct; 12 - Model year entered does not match the model year based on the 10th character in VIN
General	Destination Market	
General	Make	PETERBILT
General	Manufacturer Name	PETERBILT MOTORS COMPANY
General	Model	378
General	Model Year	2000
General	Plant City	DENTON
General	Series	
General	Trim	
General	Vehicle Type	INCOMPLETE VEHICLE
General	Plant Country	UNITED STATES (USA)
General	Plant Company Name	Peterbilt
General	Plant State	TEXAS
General	Trim2	
General	Series2	
General	Note	
General	Base Price (\$)	
General	Manufacturer Id	1033
General	Cash For Clunkers	

Group Name	Element	Value
Exterior / Body	Body Class	Truck
Exterior / Body	Doors	
Exterior / Body	Windows	
Exterior / Body	Wheel Base Type	
Exterior / Body	Track Width	
Exterior / Dimension	Gross Vehicle Weight Rating	Class 8: 33,001 lb and above (14,969 kg and above)
Exterior / Dimension	Bed Length (inches)	
Exterior / Dimension	Curb Weight (pounds)	
Exterior / Dimension	Wheel Base (inches)	
Exterior / Dimension	Wheel Base (inches) up to	
Exterior / Dimension	Gross Combination Weight Rating	
Exterior / Dimension	Gross Combination Weight Rating up to	
Exterior / Dimension	Gross Vehicle Weight Rating up to	
Exterior / Truck	Bed Type	
Exterior / Truck	Cab Type	
Exterior / Trailer	Trailer Type Connection	Not Applicable
Exterior / Trailer	Trailer Body Type	Not Applicable
Exterior / Trailer	Trailer Length (feet)	
Exterior / Trailer	Other Trailer Info	
Exterior / Wheel tire	Number of Wheels	
Exterior / Wheel tire	Wheel Size Front (inches)	
Exterior / Wheel tire	Wheel Size Rear (inches)	
Interior	Entertainment System	
Interior	Steering Location	
Interior / Seat	Number of Seats	
Interior / Seat	Number of Seat Rows	

Group Name	Element	Value
Mechanical / Transmission	Transmission Style	
Mechanical / Transmission	Transmission Speeds	
Mechanical / Drivetrain	Drive Type	6x4
Mechanical / Drivetrain	Axles	
Mechanical / Drivetrain	Axle Configuration	
Mechanical / Brake	Brake System Type	Air
Mechanical / Brake	Brake System Description	
Mechanical / Battery	Battery Info	
Mechanical / Battery	Battery Type	
Mechanical / Battery	Number of Battery Cells per Module	
Mechanical / Battery	Battery Current (Amps)	
Mechanical / Battery	Battery Voltage (Volts)	
Mechanical / Battery	Battery Energy (KWh)	
Mechanical / Battery	EV Drive Unit	
Mechanical / Battery	Battery Current (Amps) up to	
Mechanical / Battery	Battery Voltage (Volts) up to	
Mechanical / Battery	Battery Energy (KWh) up to	
Mechanical / Battery	Number of Battery Modules per Pack	
Mechanical / Battery	Number of Battery Packs per Vehicle	
Mechanical / Battery / Charger	Charger Level	
Mechanical / Battery / Charger	Charger Power (KW)	
Engine	Engine Number of Cylinders	
Engine	Displacement (CC)	
Engine	Displacement (CI)	
Engine	Displacement (L)	

Group Name	Element	Value
Engine	Engine Stroke Cycles	
Engine	Engine Model	3406/C15/C16
Engine	Engine Power (KW)	
Engine	Fuel Type - Primary	
Engine	Valve Train Design	
Engine	Engine Configuration	
Engine	Fuel Type - Secondary	
Engine	Fuel Delivery / Fuel Injection Type	
Engine	Engine Brake (hp)	
Engine	Cooling Type	
Engine	Engine Brake (hp) up to	
Engine	Electrification Level	
Engine	Other Engine Info	
Engine	Turbo	
Engine	Top Speed (MPH)	
Engine	Engine Manufacturer	Caterpillar
Passive Safety System	Pretensioner	
Passive Safety System	Seat Belts Type	
Passive Safety System	Other Restraint System Info	
Passive Safety System / Air Bag Location	Curtain Air Bag Locations	
Passive Safety System / Air Bag Location	Seat Cushion Air Bag Locations	
Passive Safety System / Air Bag Location	Front Air Bag Locations	
Passive Safety System / Air Bag Location	Knee Air Bag Locations	
Passive Safety System / Air Bag Location	Side Air Bag Locations	

Group Name	Element	Value
Active Safety System	Driver Assist	
Active Safety System	Adaptive Cruise Control (ACC)	
Active Safety System	Adaptive Headlights	
Active Safety System	Anti-lock Braking System (ABS)	
Active Safety System	Crash Imminent Braking (CIB)	
Active Safety System	Blind Spot Detection (BSD)	
Active Safety System	Electronic Stability Control (ESC)	
Active Safety System	Traction Control	
Active Safety System	Forward Collision Warning (FCW)	
Active Safety System	Lane Departure Warning (LDW)	
Active Safety System	Lane Keeping Support (LKS)	
Active Safety System	Rear Visibility System (RVS)	
Active Safety System	Parking Assist	
Active Safety System	TPMS	
Active Safety System	Active Safety System Note	
Active Safety System	Dynamic Brake Support (DBS)	
Active Safety System	Pedestrian Automatic Emergency Braking (PAEB)	
Active Safety System	Auto-Reverse System for Windows and Sunroofs	
Active Safety System	Automatic Pedestrian Alerting Sound (for Hybrid and EV only)	
Active Safety System	Automatic Crash Notification (CAN) / Advanced Automatic Crash Notification (AACN)	

Group Name	Element	Value
Active Safety System	Event Data Recorder (EDR)	
Active Safety System	Keyless Ignition	
Active Safety System	Daytime Running Light (DRL)	
Active Safety System	Lower Beam Headlamp Light Source	
Active Safety System	Semiautomatic Headlamp Beam Switching	
Active Safety System	Adaptive Driving Beam (ADB)	
Active Safety System	SAE Automation Level	
Active Safety System	SAE Automation Level up to	
Active Safety System	Rear Cross Traffic Alert	
Internal	NCSA Note	
Exterior / Bus	Bus Length (feet)	
Exterior / Bus	Bus Floor Configuration Type	
Exterior / Bus	Bus Type	
Exterior / Bus	Other Bus Info	
Exterior / Motorcycle	Custom Motorcycle Type	Not Applicable
Exterior / Motorcycle	Motorcycle Suspension Type	Not Applicable
Exterior / Motorcycle	Motorcycle Chassis Type	Not Applicable
Exterior / Motorcycle	Other Motorcycle Info	

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VIN

Model Year

2002 FREIGHTLINER - INCOMPLETE VEHICLE

✔ **Error Text:** 0 - VIN decoded clean. Check Digit (9th position) is correct

Manufacturer: DAIMLER TRUCKS NORTH AMERICA
LLC

DBAs:

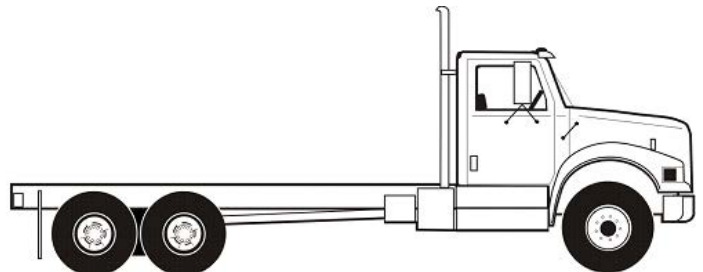
Vehicle Type: INCOMPLETE VEHICLE

Model Year: 2002

Make: FREIGHTLINER

Model: FL80

Body Class: Truck



Other Information

Information provided below is based on the details provided by the manufacturer of this vehicle to NHTSA in the part 565 submittal

Gross Vehicle Weight Rating: Class 8: 33,001 lb and above (14,969 kg and above)

Cylinders: 6

Drive Type: 4x2

Primary Fuel Type: Diesel

Engine Model: Cat 3126/CFE

Secondary Fuel Type:

Engine Brake (HP):

Engine Manufacturer:

Transmission Speed:

Transmission Style:

Cab Type: MDHD: Conventional

Bed Type:

Engine Displacement (L): 7.2

Plant Information: MT. HOLLY, NORTH CAROLINA, UNITED STATES (USA)

All Vehicle details

NOTE: Any missing decoded values should be interpreted as NHTSA does not have data on the specific variable. Missing value should NOT be interpreted as an indication that a feature or technology is unavailable for a vehicle.

Group Name	Element	Value
	Suggested VIN	
	Error Code	0
	Possible Values	
	Additional Error Text	
	Error Text	0 - VIN decoded clean. Check Digit (9th position) is correct
General	Destination Market	
General	Make	FREIGHTLINER
General	Manufacturer Name	DAIMLER TRUCKS NORTH AMERICA LLC
General	Model	FL80
General	Model Year	2002
General	Plant City	MT. HOLLY
General	Series	
General	Trim	
General	Vehicle Type	INCOMPLETE VEHICLE
General	Plant Country	UNITED STATES (USA)
General	Plant Company Name	
General	Plant State	NORTH CAROLINA
General	Trim2	
General	Series2	
General	Note	
General	Base Price (\$)	
General	Manufacturer Id	1024
General	Cash For Clunkers	
Exterior / Body	Body Class	Truck

Group Name	Element	Value
Exterior / Body	Doors	
Exterior / Body	Windows	
Exterior / Body	Wheel Base Type	
Exterior / Body	Track Width	
Exterior / Dimension	Gross Vehicle Weight Rating	Class 8: 33,001 lb and above (14,969 kg and above)
Exterior / Dimension	Bed Length (inches)	
Exterior / Dimension	Curb Weight (pounds)	
Exterior / Dimension	Wheel Base (inches)	
Exterior / Dimension	Wheel Base (inches) up to	
Exterior / Dimension	Gross Combination Weight Rating	
Exterior / Dimension	Gross Combination Weight Rating up to	
Exterior / Dimension	Gross Vehicle Weight Rating up to	
Exterior / Truck	Bed Type	
Exterior / Truck	Cab Type	MDHD: Conventional
Exterior / Trailer	Trailer Type Connection	Not Applicable
Exterior / Trailer	Trailer Body Type	Not Applicable
Exterior / Trailer	Trailer Length (feet)	
Exterior / Trailer	Other Trailer Info	
Exterior / Wheel tire	Number of Wheels	
Exterior / Wheel tire	Wheel Size Front (inches)	
Exterior / Wheel tire	Wheel Size Rear (inches)	
Interior	Entertainment System	
Interior	Steering Location	
Interior / Seat	Number of Seats	
Interior / Seat	Number of Seat Rows	
Mechanical / Transmission	Transmission Style	

Group Name	Element	Value
Mechanical / Transmission	Transmission Speeds	
Mechanical / Drivetrain	Drive Type	4x2
Mechanical / Drivetrain	Axles	
Mechanical / Drivetrain	Axle Configuration	
Mechanical / Brake	Brake System Type	Air
Mechanical / Brake	Brake System Description	
Mechanical / Battery	Battery Info	
Mechanical / Battery	Battery Type	
Mechanical / Battery	Number of Battery Cells per Module	
Mechanical / Battery	Battery Current (Amps)	
Mechanical / Battery	Battery Voltage (Volts)	
Mechanical / Battery	Battery Energy (KWh)	
Mechanical / Battery	EV Drive Unit	
Mechanical / Battery	Battery Current (Amps) up to	
Mechanical / Battery	Battery Voltage (Volts) up to	
Mechanical / Battery	Battery Energy (KWh) up to	
Mechanical / Battery	Number of Battery Modules per Pack	
Mechanical / Battery	Number of Battery Packs per Vehicle	
Mechanical / Battery / Charger	Charger Level	
Mechanical / Battery / Charger	Charger Power (KW)	
Engine	Engine Number of Cylinders	6
Engine	Displacement (CC)	7200.0
Engine	Displacement (CI)	439.37095748207
Engine	Displacement (L)	7.2
Engine	Engine Stroke Cycles	

Group Name	Element	Value
Engine	Engine Model	Cat 3126/CFE
Engine	Engine Power (KW)	
Engine	Fuel Type - Primary	Diesel
Engine	Valve Train Design	
Engine	Engine Configuration	In-Line
Engine	Fuel Type - Secondary	
Engine	Fuel Delivery / Fuel Injection Type	
Engine	Engine Brake (hp)	
Engine	Cooling Type	
Engine	Engine Brake (hp) up to	
Engine	Electrification Level	
Engine	Other Engine Info	
Engine	Turbo	
Engine	Top Speed (MPH)	
Engine	Engine Manufacturer	
Passive Safety System	Pretensioner	
Passive Safety System	Seat Belts Type	
Passive Safety System	Other Restraint System Info	
Passive Safety System / Air Bag Location	Curtain Air Bag Locations	
Passive Safety System / Air Bag Location	Seat Cushion Air Bag Locations	
Passive Safety System / Air Bag Location	Front Air Bag Locations	
Passive Safety System / Air Bag Location	Knee Air Bag Locations	
Passive Safety System / Air Bag Location	Side Air Bag Locations	
Active Safety System	Driver Assist	

Group Name	Element	Value
Active Safety System	Adaptive Cruise Control (ACC)	
Active Safety System	Adaptive Headlights	
Active Safety System	Anti-lock Braking System (ABS)	
Active Safety System	Crash Imminent Braking (CIB)	
Active Safety System	Blind Spot Detection (BSD)	
Active Safety System	Electronic Stability Control (ESC)	
Active Safety System	Traction Control	
Active Safety System	Forward Collision Warning (FCW)	
Active Safety System	Lane Departure Warning (LDW)	
Active Safety System	Lane Keeping Support (LKS)	
Active Safety System	Rear Visibility System (RVS)	
Active Safety System	Parking Assist	
Active Safety System	TPMS	
Active Safety System	Active Safety System Note	
Active Safety System	Dynamic Brake Support (DBS)	
Active Safety System	Pedestrian Automatic Emergency Braking (PAEB)	
Active Safety System	Auto-Reverse System for Windows and Sunroofs	
Active Safety System	Automatic Pedestrian Alerting Sound (for Hybrid and EV only)	
Active Safety System	Automatic Crash Notification (CAN) / Advanced Automatic Crash Notification (AACN)	
Active Safety System	Event Data Recorder (EDR)	

Group Name	Element	Value
Active Safety System	Keyless Ignition	
Active Safety System	Daytime Running Light (DRL)	
Active Safety System	Lower Beam Headlamp Light Source	
Active Safety System	Semiautomatic Headlamp Beam Switching	
Active Safety System	Adaptive Driving Beam (ADB)	
Active Safety System	SAE Automation Level	
Active Safety System	SAE Automation Level up to	
Active Safety System	Rear Cross Traffic Alert	
Internal	NCSA Note	
Exterior / Bus	Bus Length (feet)	
Exterior / Bus	Bus Floor Configuration Type	
Exterior / Bus	Bus Type	
Exterior / Bus	Other Bus Info	
Exterior / Motorcycle	Custom Motorcycle Type	Not Applicable
Exterior / Motorcycle	Motorcycle Suspension Type	Not Applicable
Exterior / Motorcycle	Motorcycle Chassis Type	Not Applicable
Exterior / Motorcycle	Other Motorcycle Info	

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VIN

Model Year

2005 PETERBILT - INCOMPLETE VEHICLE

✔ **Error Text:** 0 - VIN decoded clean. Check Digit (9th position) is correct

Manufacturer: PETERBILT MOTORS COMPANY

DBAs:

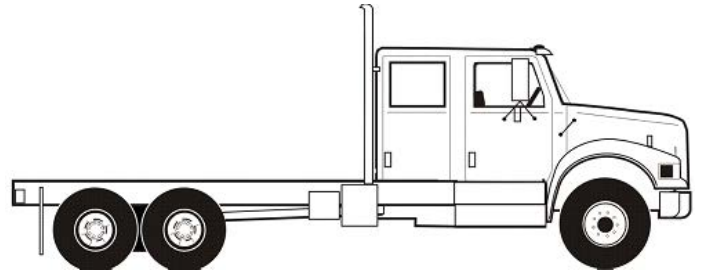
Vehicle Type: INCOMPLETE VEHICLE

Model Year: 2005

Make: PETERBILT

Model: 378

Body Class: Truck-Tractor



Other Information

Information provided below is based on the details provided by the manufacturer of this vehicle to NHTSA in the part 565 submittal

Gross Vehicle Weight Rating: Class 8: 33,001 lb and above (14,969 kg and above)

Cylinders:

Drive Type: 6x4

Primary Fuel Type:

Engine Model: Caterpillar 3306/C15/C16

Secondary Fuel Type:

Engine Brake (HP):

Engine Manufacturer:

Transmission Speed:

Transmission Style:

Cab Type:

Bed Type:

Engine Displacement (L):

Plant Information: Peterbilt, DENTON, TEXAS, UNITED STATES (USA)

All Vehicle details

NOTE: Any missing decoded values should be interpreted as NHTSA does not have data on the specific variable. Missing value should NOT be interpreted as an indication that a feature or technology is unavailable for a vehicle.

Group Name	Element	Value
	Suggested VIN	
	Error Code	0
	Possible Values	
	Additional Error Text	
	Error Text	0 - VIN decoded clean. Check Digit (9th position) is correct
General	Destination Market	
General	Make	PETERBILT
General	Manufacturer Name	PETERBILT MOTORS COMPANY
General	Model	378
General	Model Year	2005
General	Plant City	DENTON
General	Series	
General	Trim	
General	Vehicle Type	INCOMPLETE VEHICLE
General	Plant Country	UNITED STATES (USA)
General	Plant Company Name	Peterbilt
General	Plant State	TEXAS
General	Trim2	
General	Series2	
General	Note	
General	Base Price (\$)	
General	Manufacturer Id	1033
General	Cash For Clunkers	
Exterior / Body	Body Class	Truck-Tractor

Group Name	Element	Value
Exterior / Body	Doors	
Exterior / Body	Windows	
Exterior / Body	Wheel Base Type	
Exterior / Body	Track Width	
Exterior / Dimension	Gross Vehicle Weight Rating	Class 8: 33,001 lb and above (14,969 kg and above)
Exterior / Dimension	Bed Length (inches)	
Exterior / Dimension	Curb Weight (pounds)	
Exterior / Dimension	Wheel Base (inches)	
Exterior / Dimension	Wheel Base (inches) up to	
Exterior / Dimension	Gross Combination Weight Rating	
Exterior / Dimension	Gross Combination Weight Rating up to	
Exterior / Dimension	Gross Vehicle Weight Rating up to	
Exterior / Truck	Bed Type	
Exterior / Truck	Cab Type	
Exterior / Trailer	Trailer Type Connection	Not Applicable
Exterior / Trailer	Trailer Body Type	Not Applicable
Exterior / Trailer	Trailer Length (feet)	
Exterior / Trailer	Other Trailer Info	
Exterior / Wheel tire	Number of Wheels	
Exterior / Wheel tire	Wheel Size Front (inches)	
Exterior / Wheel tire	Wheel Size Rear (inches)	
Interior	Entertainment System	
Interior	Steering Location	
Interior / Seat	Number of Seats	
Interior / Seat	Number of Seat Rows	
Mechanical / Transmission	Transmission Style	

Group Name	Element	Value
Mechanical / Transmission	Transmission Speeds	
Mechanical / Drivetrain	Drive Type	6x4
Mechanical / Drivetrain	Axles	
Mechanical / Drivetrain	Axle Configuration	
Mechanical / Brake	Brake System Type	Air
Mechanical / Brake	Brake System Description	
Mechanical / Battery	Battery Info	
Mechanical / Battery	Battery Type	
Mechanical / Battery	Number of Battery Cells per Module	
Mechanical / Battery	Battery Current (Amps)	
Mechanical / Battery	Battery Voltage (Volts)	
Mechanical / Battery	Battery Energy (KWh)	
Mechanical / Battery	EV Drive Unit	
Mechanical / Battery	Battery Current (Amps) up to	
Mechanical / Battery	Battery Voltage (Volts) up to	
Mechanical / Battery	Battery Energy (KWh) up to	
Mechanical / Battery	Number of Battery Modules per Pack	
Mechanical / Battery	Number of Battery Packs per Vehicle	
Mechanical / Battery / Charger	Charger Level	
Mechanical / Battery / Charger	Charger Power (KW)	
Engine	Engine Number of Cylinders	
Engine	Displacement (CC)	
Engine	Displacement (CI)	
Engine	Displacement (L)	
Engine	Engine Stroke Cycles	

Group Name	Element	Value
Engine	Engine Model	Caterpillar 3306/C15/C16
Engine	Engine Power (KW)	
Engine	Fuel Type - Primary	
Engine	Valve Train Design	
Engine	Engine Configuration	
Engine	Fuel Type - Secondary	
Engine	Fuel Delivery / Fuel Injection Type	
Engine	Engine Brake (hp)	
Engine	Cooling Type	
Engine	Engine Brake (hp) up to	
Engine	Electrification Level	
Engine	Other Engine Info	
Engine	Turbo	
Engine	Top Speed (MPH)	
Engine	Engine Manufacturer	
Passive Safety System	Pretensioner	
Passive Safety System	Seat Belts Type	
Passive Safety System	Other Restraint System Info	
Passive Safety System / Air Bag Location	Curtain Air Bag Locations	
Passive Safety System / Air Bag Location	Seat Cushion Air Bag Locations	
Passive Safety System / Air Bag Location	Front Air Bag Locations	
Passive Safety System / Air Bag Location	Knee Air Bag Locations	
Passive Safety System / Air Bag Location	Side Air Bag Locations	
Active Safety System	Driver Assist	

Group Name	Element	Value
Active Safety System	Adaptive Cruise Control (ACC)	
Active Safety System	Adaptive Headlights	
Active Safety System	Anti-lock Braking System (ABS)	
Active Safety System	Crash Imminent Braking (CIB)	
Active Safety System	Blind Spot Detection (BSD)	
Active Safety System	Electronic Stability Control (ESC)	
Active Safety System	Traction Control	
Active Safety System	Forward Collision Warning (FCW)	
Active Safety System	Lane Departure Warning (LDW)	
Active Safety System	Lane Keeping Support (LKS)	
Active Safety System	Rear Visibility System (RVS)	
Active Safety System	Parking Assist	
Active Safety System	TPMS	
Active Safety System	Active Safety System Note	
Active Safety System	Dynamic Brake Support (DBS)	
Active Safety System	Pedestrian Automatic Emergency Braking (PAEB)	
Active Safety System	Auto-Reverse System for Windows and Sunroofs	
Active Safety System	Automatic Pedestrian Alerting Sound (for Hybrid and EV only)	
Active Safety System	Automatic Crash Notification (CAN) / Advanced Automatic Crash Notification (AACN)	
Active Safety System	Event Data Recorder (EDR)	

Group Name	Element	Value
Active Safety System	Keyless Ignition	
Active Safety System	Daytime Running Light (DRL)	
Active Safety System	Lower Beam Headlamp Light Source	
Active Safety System	Semiautomatic Headlamp Beam Switching	
Active Safety System	Adaptive Driving Beam (ADB)	
Active Safety System	SAE Automation Level	
Active Safety System	SAE Automation Level up to	
Active Safety System	Rear Cross Traffic Alert	
Internal	NCSA Note	
Exterior / Bus	Bus Length (feet)	
Exterior / Bus	Bus Floor Configuration Type	
Exterior / Bus	Bus Type	
Exterior / Bus	Other Bus Info	
Exterior / Motorcycle	Custom Motorcycle Type	Not Applicable
Exterior / Motorcycle	Motorcycle Suspension Type	Not Applicable
Exterior / Motorcycle	Motorcycle Chassis Type	Not Applicable
Exterior / Motorcycle	Other Motorcycle Info	

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2000 Freightliner Repower		Vactor Truck			
Kris Ray	8/12/2020	Detailed Report from the Diesel Emissions Quantifier			
Confederated Tribes of the Colville Reservation					
Kris	Ray				
kris.ray@colvilletribes.com					
000-000-0000					
Type	Sector	Target Fleet	Class	Vocation	
Onroad	Municipal	Short Haul - Single Unit	Class 8	Utility	
Number of Vehicles/Engines	Tier	Model Year	Retrofit Year	Horsepower	Fuel Type
1		2002	2020		ULSD (diesel)
Fuel Volume	Calculated Fuel Volume	Vehicle Miles Traveled/Year (VMT)	Annual Usage Hours	Idling Hours/Year	
1463	1463	14962		30	
Technology Description	New Tier	New Model Year			
Engine Replacement - ULSD (diesel)		2020			

Annual Baseline of Vehicles (NOx, short tons)	Lifetime Baseline of Vehicles (NOx, short tons)	Percent Reduced (NOx, %)	Baseline of Vehicles Retrofitted per year (NOx, short tons/year)	Amount Reduced per Year (NOx, short tons)
0.173787056	0.347574	93.60%	0.174	0.1627
Lifetime Baseline of Vehicles Retrofitted (NOx, short tons)	Lifetime Amount Reduced (NOx, short tons)	Lifetime Amount Emitted After Retrofit, Retrofitted Vehicles (NOx, short tons)		
0.3476	0.3253	0.0222		

2000 Peterbuilt Replacement		Semi Truck		
Kris Ray	8/12/2020	Detailed Report from the Diesel Emissions Quantifier		
Confederated Tribes of the Colville Reservation				
Kris	Ray			
kris.ray@colvilletribes.com				
000-000-0000				
Type	Sector	Target Fleet	Class	Vocation

Onroad	Municipal	Short Haul - Single Unit	Class 8	Utility	
Number of Vehicles/Engines	Tier	Model Year	Retrofit Year	Horsepower	Fuel Type
1		2000	2020		ULSD (diesel)
Fuel Volume	Calculated Fuel Volume	Vehicle Miles Traveled/Year (VMT)	Annual Usage Hours	Idling Hours/Year	
1463	1463	14962		30	
Technology Description	New Tier	New Model Year			
Vehicle Replacement - ULSD (diesel)		2020			
Annual Baseline of Vehicles (NOx, short tons)	Lifetime Baseline of Vehicles (NOx, short tons)	Percent Reduced (NOx, %)	Baseline of Vehicles Retrofitted per year (NOx, short tons/year)	Amount Reduced per Year (NOx, short tons)	
0.173787015	0.868935	93.60%	0.174	0.1627	
Lifetime Baseline of Vehicles Retrofitted (NOx, short tons)	Lifetime Amount Reduced (NOx, short tons)	Lifetime Amount Emitted After Retrofit, Retrofitted Vehicles (NOx, short tons)			
0.8689	0.8133	0.0556			

2005 Peterbuilt Repower		Semi Truck			
Kris Ray	8/12/2020	Detailed Report from the Diesel Emissions Quantifier			
Confederated Tribes of the Colville Reservation					
Kris	Ray				
kris.ray@colvilletribes.com					
000-000-0000					
Type	Sector	Target Fleet	Class	Vocation	
Onroad	Municipal	Short Haul - Single Unit	Class 8	Utility	
Number of Vehicles/Engines	Tier	Model Year	Retrofit Year	Horsepower	Fuel Type
1		2005	2020		ULSD (diesel)
Fuel Volume	Calculated Fuel Volume	Vehicle Miles Traveled/Year (VMT)	Annual Usage Hours	Idling Hours/Year	
1463	1463	14962		30	
Technology Description	New Tier	New Model Year			
Engine Replacement - ULSD (diesel)		2020			

Annual Baseline of Vehicles (NOx, short tons)	Lifetime Baseline of Vehicles (NOx, short tons)	Percent Reduced (NOx, %)	Baseline of Vehicles Retrofitted per year (NOx, short tons/year)	Amount Reduced per Year (NOx, short tons)
0.09733465	0.194669	88.60%	0.097	0.0862
Lifetime Baseline of Vehicles Retrofitted (NOx, short tons)	Lifetime Amount Reduced (NOx, short tons)	Lifetime Amount Emitted After Retrofit, Retrofitted Vehicles (NOx, short tons)		
0.1947	0.1725	0.0222		