

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



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 Blue Lake Rancheria, 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: 2/21/2019

  
[NAME] Arla Ramsey  
[TITLE] Tribal Administrator/Vice Chair

Blue Lake Rancheria  
[LEAD AGENCY]

for  
Blue Lake Rancheria  
[BENEFICIARY]



**Appendix D-4**  
**Beneficiary Eligible Mitigation Action Certification**  
**Addendums and Attachments**

**Beneficiary: Blue Lake Rancheria**

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

This action will replace one medium duty diesel truck, a 1992 Class 8 International Wildland Fire Truck (VIN: 1HTSENXRXNH390225), with a new, cleaner diesel model. The replacement of this vehicle will significantly improve air quality by reducing emissions from the older, more polluting model.

The Blue Lake Rancheria is located in rural Northern California. The Blue Lake Rancheria Office of Emergency Services utilizes its current fire truck to fight fires on its 100+ acre reservation, including residences, commercial buildings and brush. In addition, Wildland Fire crews use the vehicle to participate in mutual aid fire-fighting with the neighboring communities of Blue Lake and Humboldt County and throughout California as needed. As has become strikingly apparent this year, wildland fires in California are becoming more frequent and intense, which will increase the need to use the Rancheria Fire Truck. The older, 1992 model does not have the emission control technology of newer, post 2007 models, so every time it is used, harmful NO<sub>x</sub> emissions are released. The Blue Lake Rancheria will purchase a new model with modern emissions control. An estimate for a comparable vehicle from REV Fire Group California is \$378,000 (email from REV sales representative attached). Blue Lake Rancheria was allocated \$116,432 in Round I funding, and will cover the remaining amount, either through direct Tribal funds or other grant opportunities.

The Blue Lake Rancheria is a Red Cross Certified Emergency Shelter. In the event of a major regional emergency, such as earthquake, tsunami, or wildfire, the Rancheria will become responsible for the well-being of not only its own residents, but also multiple evacuees from the surrounding area for an indefinite amount of time. Humboldt County is located on the infamous "Triple Junction" fault system, and the northern coast of California is overdue for a major Cascadia Zone event. In the case of such an event that would affect much of the Pacific North Coast, rural areas such as Humboldt County are estimated to be without outside assistance for weeks. Functional emergency equipment is essential to care for multiple displaced people, but that equipment should not make air quality concerns worse. Having modern emergency response equipment that does not worsen the local air quality is essential to providing emergency service to the community. The Blue Lake Rancheria has won multiple awards for its clean energy and emergency resilience initiatives. Upgrading its aging and polluting Fire and Water Trucks are an identified goal of the Tribal Council and Community, and will assist in improving local air quality and mitigating for NO<sub>x</sub> emissions.

The project will be managed by the Blue Lake Rancheria's Community Development Director, who will assemble a Project Workgroup from the Tribe's Office of Emergency Services, Fiscal Department, and Facilities Management. This workgroup will select the preferred alternative vehicle, which will be presented to the Blue Lake Rancheria Tribal Council for final approval. The entire project is anticipated to take 6 months from the time funding is approved.

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

The output from the EPA Diesel Emissions Quantifier (DEQ) tool is provided below:

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

The Blue Lake Rancheria, California, will publish a notice on its webpage <http://www.bluelakerancheria-nsn.gov/> informing members of the public of the availability of information and documents related to the funding request, funding received, and expenditure of funds from the VW Settlement Trust. Documentation will be available at the Tribal Administration Office during regular business hours, or through written or electronic request.

The Blue Lake Rancheria will follow all applicable laws governing the access and distribution of information and publication of confidential business and personally identifiable information.

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

The Blue Lake Rancheria will submit within 30 days a copy of the Tribe's mitigation plan, as well as the copy of the Indian Tribe Trust Agreement with Attachments to the United States Departments of the Interior and Agriculture, and any other Federal Agency that has custody, control, or management of land within or contiguous to the territorial boundaries of the Blue Lake Rancheria and has by then notified the Blue Lake Rancheria its interest hereunder, explaining that the Blue Lake Rancheria may request Eligible Mitigation Action funds for use on lands within that Federal Agency's custody, control, or management (including, but not limited to, Clean Air Act Class I and II areas), and setting forth the procedures by which the Blue Lake Rancheria will review, consider, and make a written determination upon each such request. The Blue Lake Rancheria will provide notice as required to the following: Department of the Interior– National Park Service, Air Resources Division, VW Settlement, P.O. Box 25287, Denver, CO 80225-0287, [vwsettlement@nps.gov](mailto:vwsettlement@nps.gov). Fish and Wildlife Service, National Wildlife Refuge System, Branch of Air Quality, VW Settlement, 7333 West Jefferson Avenue, Suite 375, Lakewood, CO 80235-2017, [VW\\_Settlement@fws.gov](mailto:VW_Settlement@fws.gov). Department of Agriculture– Linda Geiser, National Air Program Manager, [lgeiser@fs.fed.us](mailto:lgeiser@fs.fed.us), 202-756-0068, or Bret Anderson, National Air Modeling Coordinator, [baanderson02@fs.fed.us](mailto:baanderson02@fs.fed.us), 970-295-5981.



Stephen Kullmann	2/1/2018	Detailed Report from the Diesel Emissions Quantifier	
Blue Lake Rancheria			
Stephen Kullmann			
skullmann@blueakerancheria-nsn.gov			
000-000-0000			
Type	Target Fleet	Class/Equipment	Number of Vehicles
Onroad	Short Haul - Single Unit	Class 8	1

Model Year	Retrofit Year	Technology Description	Fuel Type	Fuel Volume	Calculated Fuel Volume
1992	2018	Vehicle Replacement - Diesel	ULSD	1463	1463

Vehicle Miles Traveled/Year (VMT)	Idling Hours/Year	Horsepower	Usage Rate/Year	Number of Vehicles Retrofitted
1500	1500			1

New Model Year	Diesel Fuel Reduced (gallons)	Reduced Idling (hours)	Installation Cost	Unit Cost
2018	500	0	\$0	\$250,000
Annual Baseline of Vehicles (NOx, short tons)	Lifetime Baseline of Vehicles (NOx, short tons)		Percent Reduced (NOx, %)	
0.280209039	1.120836156		95.50%	

<b>Baseline of Vehicles Retrofitted per year (NOx, short tons/year)</b>	<b>Amount Reduced per Year(NOx, short tons)</b>	<b>Lifetime Baseline of Vehicles Retrofitted (NOx, short tons)</b>
0.2802	0.2676	1.1208

<b>Lifetime Amount Reduced (NOx, short tons)</b>	<b>Lifetime Amount Emitted After Retrofit, Retrofitted Vehicles (NOx, short tons)</b>	<b>Capital Cost Effectiveness (\$/short ton), Retrofitted Vehicles (NOx)</b>
1.0704	0.0504	233,557.87

<b>Annual Baseline of Vehicles (PM2.5, short tons)</b>	<b>Lifetime Baseline of Vehicles (PM2.5, short tons)</b>	<b>Percent Reduced (PM2.5, %)</b>
0.013557244	0.054228974	97.30%

<b>Baseline of Vehicles Retrofitted per year (PM2.5, short tons/year)</b>	<b>Amount Reduced per Year(PM2.5, short tons)</b>	<b>Lifetime Baseline of Vehicles Retrofitted (PM2.5, short tons)</b>
0.0136	0.0132	0.0542

<b>Lifetime Amount Reduced (PM2.5, short tons)</b>	<b>Lifetime Amount Emitted After Retrofit, Retrofitted Vehicles (PM2.5, short tons)</b>	<b>Capital Cost Effectiveness (\$/short ton), Retrofitted Vehicles (PM2.5)</b>
0.0528	0.0015	4,738,007.86



<b>Annual Baseline of Vehicles (HC, short tons)</b>	<b>Lifetime Baseline of Vehicles (HC, short tons)</b>	<b>Percent Reduced (HC, %)</b>
0.027899312	0.111597248	93.20%

<b>Baseline of Vehicles Retrofitted per year (HC, short tons/year)</b>	<b>Amount Reduced per Year(HC, short tons)</b>	<b>Lifetime Baseline of Vehicles Retrofitted (HC, short tons)</b>
0.0279	0.026	0.1116

<b>Lifetime Amount Reduced (HC, short tons)</b>	<b>Lifetime Amount Emitted After Retrofit, Retrofitted Vehicles (HC, short tons)</b>	<b>Capital Cost Effectiveness (\$/short ton), Retrofitted Vehicles (HC)</b>
0.104	0.0076	2,403,646.57

<b>Annual Baseline of Vehicles (CO, short tons)</b>	<b>Lifetime Baseline of Vehicles (CO, short tons)</b>	<b>Percent Reduced (CO, %)</b>
0.073140068	0.29256027	91.60%

<b>Baseline of Vehicles Retrofitted per year (CO, short tons/year)</b>	<b>Amount Reduced per Year(CO, short tons)</b>	<b>Lifetime Baseline of Vehicles Retrofitted (CO, short tons)</b>
0.0731	0.067	0.2926

<b>Lifetime Amount Reduced (CO, short tons)</b>	<b>Lifetime Amount Emitted After Retrofit, Retrofitted Vehicles (CO, short tons)</b>	<b>Capital Cost Effectiveness (\$/short ton), Retrofitted Vehicles (CO)</b>
0.268	0.0246	932,887.31

<b>Annual Baseline of Vehicles (CO2, short tons)</b>	<b>Lifetime Baseline of Vehicles (CO2, short tons)</b>	<b>Percent Reduced (CO2, %)</b>
16.45875	65.835	34.20%

<b>Baseline of Vehicles Retrofitted per year (CO2, short tons/year)</b>	<b>Amount Reduced per Year(CO2, short tons)</b>	<b>Lifetime Baseline of Vehicles Retrofitted (CO2, short tons)</b>
16.4588	5.625	65.835

<b>Lifetime Amount Reduced (CO2, short tons)</b>	<b>Lifetime Amount Emitted After Retrofit, Retrofitted Vehicles (CO2, short tons)</b>	<b>Capital Cost Effectiveness (\$/short ton), Retrofitted Vehicles (CO2)</b>
22.5	43.335	11,111.11

**ATTACHMENT B  
PROJECT MANAGEMENT PLAN**

**PROJECT SCHEDULE AND MILESTONES**

(Dependent on date of funding request approval)

Milestone	Date
Lead Agency Provides Notice of Mitigation action Funds	4/10/2018
Lead Agency Submits D-4 to Trustee	3/1/2019
Disbursement of Funds from Trustee	5/15/2019
Preferred Vehicle purchased	10/15/2019
First Semi Annual Report Submitted to Trustee	11/15/2019
Old Vehicles Decommissioned and Documentation Provided	2/15/2020
All certifications, invoices, and documentation provided to Lead Agency	3/1/2020
Project Completion	3/1/2020

**PROJECT BUDGET**

Category	VW Trust Funds	Cost Share	Total
<b>Equipment</b>			
Class 5 Wildland Fire Truck 2018 or newer with modern emission controls	\$116,432	\$261,568	\$378,000*
<b>Total</b>	<b>\$116,432</b>	<b>\$261,568</b>	<b>\$378,000</b>
<b>Project Allocation</b>	<b>31%</b>	<b>69%</b>	<b>100%</b>

\* This total amount is based on an estimated cost of a replacement vehicle provided by a vendor (below) and may be more or less depending on the actual cost of the replacement vehicle chosen.

**ATTACHMENT C**  
**Detailed Plan for Reporting on Eligible Mitigation Action**  
**Implementation**

The Project Lead is Stephen Kullmann, Community Development Director. He has over ten years successfully managing Tribal infrastructure and environmental projects, including completing all reporting in a timely matter. He will facilitate a Project Working Group to select preferred replacement vehicle alternatives and report to the Blue Lake Tribal Council for final decision.

After project completion, a detailed report on expenditures, vehicle replacement, new vehicle commissioning, old vehicle decommissioning, and emission savings will be prepared and submitted to the Tribal Council for approval. Once the final report is approved, it will be submitted through Intralinks, and publically available at the Blue Lake Rancheria Tribal Administration office



## ATTACHMENT D Equipment Quote

**From:** Mike Doran <[MikeD@ferrarafire.com](mailto:MikeD@ferrarafire.com)>

**Sent:** Thursday, March 21, 2019 3:17 PM

**To:** Tim Sanderson <[tsanderson@bluelakerancheria-nsn.gov](mailto:tsanderson@bluelakerancheria-nsn.gov)>; Stephen Kullmann  
<[skullmann@bluelakerancheria-nsn.gov](mailto:skullmann@bluelakerancheria-nsn.gov)>

**Subject:** Type III Budget price

Good Afternoon Chief Sanderson: the estimated budget price for a current model Type III, International 4X4 with aluminum wheels, bumper mounted winch, customer supplied radio installation, LED emergency lighting, cab intercom system, cab console, 1000gpm mid-ship pump and aux pump, communication system, extruded aluminum fire body with upper coffin compartments, assorted shelf's and trays, etc. is \$378,000 excluding Use Tax. unless exempt.

This vehicle is a 2019 current year model or newer International 7400 4X4 that is EPA compliant in all 50 states

This is a budget figure only but is based on the features that are customary on similar California Type III. Engines.

Please let me know if you have any questions or need additional information.

Sincerely,

Mike

Michael Doran  
314 Littlefield Ave.  
South San Francisco CA. 94080  
Office: 650-615-9602  
Cell: 225-907-7101  
Fax: 225-567-7722  
Corporate Office: 800-443-9006  
<https://www.revfire-california.com/>

