

Application for Federal Assistance SF-424

* 1. Type of Submission:

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

* 2. Type of Application:

- ☒ New
☐ Continuation
☐ Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

Completed by Grants.gov upon submission.

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name:

Fort Bend County

* b. Employer/Taxpayer Identification Number (EIN/TIN):

746001969

* c. UEI:

MJG8N8EPN2L3

d. Address:

* Street1:

301 Jackson St.

Street2:

* City:

Richmond

County/Parish:

* State:

TX

Province:

* Country:

USA: UNITED STATES

* Zip / Postal Code:

77469

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

* First Name:

Samantha

Middle Name:

* Last Name:

Gulley

Suffix:

Title:

Project Manager - Grants

Organizational Affiliation:

* Telephone Number:

281-633-7769

Fax Number:

* Email:

samantha.gulley@fortbendcountytexas.gov

Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

Local Agency - County

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

CFDA Title:

*** 12. Funding Opportunity Number:**

EPA-OAR-OTAP-23-03

* Title:

Diesel Emissions Reductions Act (DERA)

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

*** 15. Descriptive Title of Applicant's Project:**

Frito-Lay Rosenberg, TX Fleet Electrification Program - replacement of 22 class 7 and 8 diesel semi trucks with zero emissions class 8 electric semis

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

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Application for Federal Assistance SF-424	
16. Congressional Districts Of:	
* a. Applicant	22
* b. Program/Project	22
Attach an additional list of Program/Project Congressional Districts if needed.	
<input type="text"/>	<input type="button" value="Add Attachment"/> <input type="button" value="Delete Attachment"/> <input type="button" value="View Attachment"/>
17. Proposed Project:	
* a. Start Date:	7-1-24
* b. End Date:	12-31-26
18. Estimated Funding (\$):	
* a. Federal	\$3,000,000
* b. Applicant	
* c. State	
* d. Local	
* e. Other	\$3,600,000
* f. Program Income	
* g. TOTAL	\$6,600,000
* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?	
<input type="checkbox"/> a. This application was made available to the State under the Executive Order 12372 Process for review on <input type="text"/> .	
<input type="checkbox"/> b. Program is subject to E.O. 12372 but has not been selected by the State for review.	
<input checked="" type="checkbox"/> c. Program is not covered by E.O. 12372.	
* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If "Yes", provide explanation and attach	
<input type="text"/>	<input type="button" value="Add Attachment"/> <input type="button" value="Delete Attachment"/> <input type="button" value="View Attachment"/>
21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 18, Section 1001)	
<input checked="" type="checkbox"/> ** I AGREE	
** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.	
Authorized Representative:	
Prefix:	<input type="text"/>
* First Name:	Samantha
Middle Name:	<input type="text"/>
* Last Name:	Gulley
Suffix:	<input type="text"/>
* Title:	Project Manager - Grants
* Telephone Number:	281-633-7769
Fax Number:	<input type="text"/>
* Email:	samantha.gulley@fortbendcountytx.gov
* Signature of Authorized Representative:	Completed by Grants.gov upon submission.
* Date Signed:	Completed by Grants.gov upon submission.

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BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 02/28/2025

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Diesel Emissions Reduction Act	EPA-OAR-OTAQ-23-03	\$ \$3,000,000	\$ \$3,600,000	\$	\$	\$ \$6,600,000
2.						
3.						
4.						
5. Totals		\$ \$3,000,000	\$ \$3,600,000	\$	\$	\$ \$6,600,000

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SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	Class 8 EV Tractors				
a. Personnel	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>
b. Fringe Benefits	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
c. Travel	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
d. Equipment	<input style="width: 100px;" type="text" value="\$6,600,000"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text" value="\$6,600,000"/>
e. Supplies	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
f. Contractual	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
g. Construction	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
h. Other	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
i. Total Direct Charges (sum of 6a-6h)	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>
j. Indirect Charges	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>
k. TOTALS (sum of 6i and 6j)	\$ <input style="width: 100px;" type="text" value="\$6,600,000"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text" value="\$6,600,000"/>
7. Program Income	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>	\$ <input style="width: 100px;" type="text"/>

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Prescribed by OMB (Circular A -102) Page 1A

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SECTION C - NON-FEDERAL RESOURCES

	(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS
8.		\$	\$	\$	\$
9.					
10.					
11.					
12.	TOTAL (sum of lines 8-11)	\$	\$	\$	\$

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$	\$	\$	\$	\$
14. Non-Federal	\$				
15. TOTAL (sum of lines 13 and 14)	\$	\$	\$	\$	\$

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

	(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
		(b) First	(c) Second	(d) Third	(e) Fourth
16.	DERA - Rosenberg Fleet Electrification Program	\$	\$ \$3,000,000	\$	\$
17.					
18.					
19.					
20.	TOTAL (sum of lines 16 - 19)	\$	\$	\$	\$

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges: \$3,000,000	22. Indirect Charges:
23. Remarks: Sub-award of full grant amount will be passed through to FL Transport, Inc. for the Rosenberg Fleet Electrification Program	

**Preaward Compliance Review Report for
All Applicants and Recipients Requesting EPA Financial Assistance**

Note: Read Instructions before completing form.

I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)

Name: Fort Bend County

Address: 301 Jackson St.

City: Richmond

State: TX Zip Code: 77469

B. Unique Entity Identifier (UEI):**C. Applicant/Recipient Point of Contact**

Name: Samantha Gulley

Phone: 281-633-7769

Email: samantha.gulley@fortbentcountytexas.gov

Title: Project Manager - Grants

II. Is the applicant currently receiving EPA Assistance? ☐ Yes ☒ No

III. List all pending civil rights lawsuits and administrative complaints filed under federal law against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

n/a

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that alleged discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

n/a

V. List all civil rights compliance reviews of the applicant/recipient conducted under federal nondiscrimination laws by any federal agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))

n/a

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.

☐ Yes ☒ No

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).

☐ Yes ☐ No

b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.

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- VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R. 5.140 and 7.95)
- a. Do the methods of notice accommodate those with impaired vision or hearing? ☒ Yes ☐ No
- b. Is the notice posted in a prominent place in the applicant's/recipient's website, in the offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications? ☒ Yes ☐ No
- c. Does the notice identify a designated civil rights coordinator? ☒ Yes ☐ No
- VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or disability status of the population it serves? (40 C.F.R. 7.85(a)) ☒ Yes ☐ No
- IX. Does the applicant/recipient have a policy/procedure for providing meaningful access to services for persons with limited English proficiency? (Title VI, 40 C.F.R. Part 7, *Lau v Nichols* 414 U.S. (1974)) ☒ Yes ☐ No
- X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.

- XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or applicant's/recipient's website address for, or a copy of, the procedures.

For the Applicant/Recipient

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official

Completed by Grants.gov upon submission.

B. Title of Authorized Official

Fort Bend County Judge

C. Date

Completed by Grants.gov
upon submission.

For the U.S. Environmental Protection Agency

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. *Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date

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Instructions for EPA FORM 4700-4 (Rev. 04/2021)

General. Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment). Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities. Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities. The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission. Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution. 40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972. 40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973.

Items "Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25.

"Recipient" means any State or its political subdivision, any instrumentality of a State or its political subdivision, any public or private agency, institution, organizations, or other entity, or any person to which Federal financial assistance is extended directly or through another recipient, including any successor, assignee, or transferee of a recipient, but excluding the ultimate beneficiary of the assistance. 40 C.F.R. §§ 5.105, 7.25.

"Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed. "Civil rights compliance review" means: any federal agency-initiated investigation of a particular aspect of the applicant's and/or recipient's programs or activities to determine compliance with the federal non-discrimination laws. Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission. If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable." In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification.



EPA KEY CONTACTS FORM

OMB Number: 2030-0020
Expiration Date: 06/30/2024

Authorized Representative: *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

Name:	Prefix:		First Name:	Samantha	Middle Name:	
	Last Name:	Gulley		Suffix:		
Title:	Project Manager - Grants					
Complete Address:						
Street1:	301 Jackson St.					
Street2:						
City:	Richmond	State:	TX			
Zip / Postal Code:	77469	Country:	United States			
Phone Number:	281-633-7769			Fax Number:		
E-mail Address:	Samantha.Gulley@fortbendcounty.gov					

Payee: *Individual authorized to accept payments.*

Name:	Prefix:		First Name:	KP	Middle Name:	
	Last Name:	George		Suffix:		
Title:	Fort Bend County Judge					
Complete Address:						
Street1:	301 Jackson St.					
Street2:						
City:	Richmond	State:	TX			
Zip / Postal Code:	77469	Country:	United States			
Phone Number:	281-633-7769			Fax Number:		
E-mail Address:	County.Judge@fortbendcountytexas.gov					

Administrative Contact: *Individual from Sponsored Programs Office to contact concerning administrative matters (i.e., indirect cost rate computation, rebudgeting requests etc).*

Name:	Prefix:		First Name:	Megan	Middle Name:	
	Last Name:	Petillo		Suffix:		
Title:	Director - Economic Development					
Complete Address:						
Street1:	7701 Legacy Dr.					
Street2:						
City:	Plano	State:	TX			
Zip / Postal Code:	75024	Country:	United States			
Phone Number:	972-334-7152			Fax Number:		
E-mail Address:	fleetecodev@pepsico.com					

EPA KEY CONTACTS FORM

Project Manager: *Individual responsible for the technical completion of the proposed work.*

Name: Prefix: First Name: Middle Name:
Last Name: Suffix:
Title:

Complete Address:

Street1:
Street2:
City: State:
Zip / Postal Code: Country:
Phone Number: **Fax Number:**
E-mail Address:



**ENVIRONMENTAL PROTECTION AGENCY (EPA)
2022-23 Diesel Emission Reduction Act National Grants
Notice of Funding Opportunity (NOFO) - EPA-OAR-OTAO-23-03**

(1) Cover Page**EPA Region:** Region 6**Applicant Information**

Applicant Organization: Fort Bend County
 Address: 301 Jackson St, Richmond, TX 77469
 Primary contact name: Samantha Gulley
 Phone number: 281-342-3411
 E-mail address: Samantha.Gulley@fortbendcountytexas.gov
 UEI number: MJG8N8EPN2L3

Type of Eligible Applicant: Local agency (county) that has jurisdiction over transportation and air quality.

Project Title: Rosenberg, TX Fleet Electrification Program**Project Period of Performance:** July 2024 – September 2026

Short Project Description: Replace twenty-two (22) diesel heavy duty on road trucks operating across Frito-Lay's Texas network with new, zero emission all-electric Tesla Semis operating out of Frito-Lay's Rosenberg, Texas distribution center.

Project Sector(s): Freight (non-port material handling, other)**Target Fleets:** Long Haul - Combination**Budget Summary:**

EPA Funding	Voluntary Cost Share	Mandatory Cost Share	Total Project Cost
\$3,000,000		\$3,600,000	\$6,600,000

Project Location:

<i>Sectors</i>	<i>Target Fleets</i>
<i>Freight (non-port goods movement)</i>	<i>Long Haul - Combination</i>



(2) Workplan

Section 1- Overall Project and Approach

Overall Project

Fort Bend County is excited to partner with longtime community member Frito-Lay in one of their largest scaled electrification programs corridor: Dallas, San Antonio, and Houston areas.

Frito-Lay operates a fleet of roughly 17,000 on-road powered assets nationwide and as a Texas-based company is proud to highlight the Rosenberg facility and its transition to a zero-emissions fleet. Both FBC and Frito-Lay would be proud to partner with the EPA to allow this project to take place.

Fort Bend County (FBC) requests \$3,000,000 in EPA funding to replace twenty-two (22) diesel powered heavy duty on road transport tractors with zero emission technology units, thereby achieving emissions reductions and air quality improvements in the Houston metropolitan area. Funds will be used to replace twenty-two (22) class 7 and 8 diesel transport tractors with a flagship fleet of new, fully battery electric Tesla Semis operating out of project partner Frito-Lay's Rosenberg Distribution Center. Frito-Lay will contribute a cost share of \$3,600,000 (55%) to this project scope and will also build out the requisite charging infrastructure and backup battery storage at the site to make the vehicle deployment possible. As a result of these vehicle replacements and EPA's investment, this project would annually eliminate 8.396 short tons of nitrogen oxides (NOx) emissions, 0.013 tons of diesel particulate matter (PM 2.5), and 4,178 tons of carbon dioxide (CO2) in the Houston metropolitan area, representing a significant benefit to the health of these historically disadvantaged and disproportionately impacted communities.

Goals and Objectives. The Rosenberg, TX Fleet Electrification Program targets diesel emissions reductions located at a goods movement facility – specifically at Rosenberg Frito-Lay Distribution Center which performs consolidation, warehousing, packaging, and transport of Frito-Lay food products to the local community along major transportation corridors. 100% of the tractors to be electrified through this project operate daily at this distribution center and throughout the Texas Triangle (San Antonio, Houston and **Dallas**). These tractors also regularly travel through communities adversely affected by poor air quality, including being domiciled in Fort Bend County itself which is an EPA nonattainment county¹. Finally, Frito-Lay is designing this project to ensure that the new vehicles will be able to continue to operate in the face of challenges induced by climate change, such as the installation of onsite battery storage as a backup in case of grid outages.

Summary and Eligibility of Vehicles. The existing vehicles to be replaced through this project are all operational, diesel-powered, and have engine models 2009 – 2017. Frito-Lay has owned

¹ [EPA Current Nonattainment Counties for All Criteria Pollutants](#)



and operated the vehicles for well beyond the prior 24 months. All vehicles have at least three (3) years of remaining useful life.

Choice of Technology. While Frito-Lay is dedicated to transition its fleet to zero emission, there are currently very limited commercially available battery electric truck models that meet Frito-Lay's range and load requirements for its transport tractors. In fact, there are no commercially available class 7 battery electric vehicles, largely due to the increased weight necessitated by battery powered vehicles. For this reason, Frito-Lay is proposing replacing both class 7 and class 8 tractors at its facility with class 8 Tesla Semis, which meet the range requirements for regional delivery.

Technology Certification. The Tesla Semi is fully EPA certified for on-road use nationwide.

Scrappage Plans. FBC and Frito-Lay commit to fully complying with the DERA program's scrappage requirements, including cutting a three-inch-by-three-inch hole in the engine block and chassis within ninety (90) days of being replaced.

Project Approach

The principal applicant is Fort Bend County (FBC), a local governing body which is in support of Frito-Lay, the sub-recipient of this application. Frito-Lay and FBC will partner in the project administration, planning, contract management, budget and payment tracking, data collection, and report submission.

FBC will contract with Frito-Lay, the principal project partner. Frito-Lay will oversee all aspects of the replacement process over the 30-month project period and will be the owner and operator of the new vehicles. Frito-Lay owns the facility where the vehicles will be domiciled. The DERA program funding will allow the Rosenberg site to deploy one of the largest scaled electrification programs to date. Frito-Lay is confident that infrastructure upgrades will be complete prior to targeted vehicle deployment date of July 2026, allowing for a seamless transition of operations following necessary training and assimilation.

Frito-Lay has significant experience already with low- and zero-emission vehicle deployments, including its recent experience deploying Tesla Semis at its Modesto, CA facility. The same team will manage this grant project internally, and will provide all necessary reporting, data, and administrative updates for final submission to the EPA. In addition, Frito-Lay will use its recent electric vehicle maintenance knowledge to upkeep the new vehicles and ensure they operate for their full project life.

Section 2 - Goods Movement Facilities

The Frito-Lay transport tractors to be replaced are the highest emission generating tractors serving the Texas triangle. The new tractors will be operating routes from the Rosenberg facility which packages, consolidates, and warehouses Frito-Lay products for distribution to the region. These twenty-two (22) vehicles are part of a total fleet of ~70 transport tractors at Rosenberg, which run return to base routes to the Rosenberg facility. Each day, the transport tractors are loaded at the facility where they run varying routes of approximately ~200 miles or more round-trip. As part of a spoke-and-wheel model, the vehicles travel to regional distribution centers where smaller



delivery vehicles then bring Frito-Lay products to their final destinations – grocery stores, businesses, sports facilities, etc. The transport tractors then return to Rosenberg where they repeat the process, roughly 6 days per week. The new battery electric units will charge onsite at the Rosenberg facility between trips.

Each transport tractor runs an average of 131,422 miles per year, with routes most frequently traveling along major corridors and highways into the densely populated Houston metropolitan area. Reference “Table 2: Project Location Table” below for additional breakout of regional operational use.

Section 3 - Environmental Justice and Disadvantaged Communities

The project will reduce pollution from on road diesel vehicles in historically disproportionately polluted communities, contributing towards improvements in human and environmental health, and prioritizing benefits to people who have suffered environmental injustices. All replacement vehicles will operate along heavily trafficked corridors of the greater Houston metropolitan area. The Rosenberg facility is located in Fort Bend County, which ranks in the 90th and 94th percentile nationally for levels of PM_{2.5} and ozone exposure, respectively. Furthermore, socioeconomic characteristics combine leading the county to rank in the top 15th percentile of all Environmental Justice Indexes nationwide for PM_{2.5}, ozone, and toxic air releases (Table 2 below)².

EPA’s investment in this project will reduce diesel emissions in an active NAAQS ozone nonattainment county³ with some of the worst ozone and particulate matter emissions levels in the United States. five parishes with some of the worst toxic air pollution in the United States.

Table 1: Fort Bend County, Texas EPA EJScreen Environmental Justice Index

Environmental Justice Index	PM 2.5	Ozone	Toxic Releases to Air
Fort Bend County Population Percentile	86 th	86 th	85 th
Harris County Population Percentile	99 th	99 th	99 th
Greater Houston Metropolitan Area Population Percentile	70-99 th	70-99 th	70-99 th

² <https://ejscreen.epa.gov/mapper/>

³ <https://www3.epa.gov/airquality/greenbook/anc1.html>



Table 2: Project Location Table

County	State	City	Zip	Fleet, Types and Number of Affected Vehicles	% of Time Vehicles Spend in Area	Non-Attainment Area	Air Toxic Assessment Area ⁴	Goods Movement
Fort Bend	TX	Rosenberg	77471	Frito-Lay Transport Tractors, 22	35%	Yes	6	Rosenberg Plant & Distribution Center
Harris	TX	Houston	Various		25%	Yes	6	Various locations
Various other counties	TX	Greater Houston Area	Various		40%	Yes	6	Various locations

FBC recognizes the important role of community participation in this project and will lead engagement activities throughout the duration of implementation. FBC has considerable experience implementing community listening sessions and will design its engagement activities to enable stakeholder feedback.

Section 4 – Project Sustainability

Beyond this potential grant, FBC and Frito-Lay are independently dedicated to continuing emissions reductions and adoption of zero emission technology.

Commitments to Continuing Emissions Reductions

As part of its parent company PepsiCo, Frito-Lay has already made an industry-leading commitment to achieve net-zero emissions by 2040, one decade earlier than called for in the Paris Agreement. This includes reducing absolute emissions across direct operations (Scope 1 and 2) by 75% and indirect value chain (Scope 3) by 40% by 2030⁵. Frito-Lay has also already completed emissions reductions projects nationwide and has extensive low- and zero-emission deployment plans over the coming years to meet the aforementioned Scope 1 and 2 reduction goals. Specific to the Rosenberg facility, Frito-Lay is seeking funding for 22 tractors as part of this grant application allowing for the one of the largest scaled class 8 electrification programs to date including 36 transport tractors, 6 charging stations, and a Battery Electric Storage System (BESS).

Baseline Mobile Source Emissions Inventory

Frito-Lay is an EPA Transport SmartWay partner which includes the ongoing, publicly available reporting of emissions inventories and current fuel efficiency levels for Scope 1 emissions. In fact, in 2015 Frito-Lay received the annual SmartWay Excellence Award for superior environmental

⁴ [AirToxScreen \(arcgis.com\)](https://arcgis.com)

⁵ [PepsiCo's-Climate-Action-Strategy_09_23_2022](#)



performance and extra actions to reduce freight emissions through effective collaboration, operational practices, robust data validation and reporting systems, communications, and public outreach⁶.

Table 3: EPA SmartWay 2022 Data Year Performance Rankings⁷

	CO2 (grams/mile)	NOx (grams/mile)	Particulate Matter (grams/mile)
Rolling Frito-Lay Sales, LP	1,177	1.47	0.0041
FL Transport, Inc	1,366	1.78	0.0028

Mobile Source Emissions Reductions Plans

As an EPA Transport SmartWay partner, Frito-Lay is committed not only to reporting on its mobile source criteria pollutant emissions efficiency levels, but also to consistently improve those levels.

Public Point of Contact

For this EPA application, any communication regarding concerns of air quality or community needs tied to the Rosenberg Fleet Electrification Program will be funneled through FBC who will then assess concerns and determine necessary action with the support of Frito-Lay. FBC has an established public process to engage the community through its regular series of “Listening Tours” throughout the county⁸, the most recent of which was in Spring 2023, which are used to solicit feedback from the public on a wide variety of topics including preferred services, concerns, and goals for the county government. FBC takes this engagement very seriously.

FBC is eager to participate in this Rosenberg Vehicle Electrification project and already presented the proposed project details at its November 2023 board meeting to officially make the proceedings public and provide an avenue for public discourse. FBC will leverage this feedback to make informed decisions and address the concerns of the public in a timely fashion. FBC has an active and comprehensive website that transparently lists specific contacts and contact information for a variety of county representatives who work specifically in the engineering department, who are well versed in the active construction and development projects taking place within the county’s jurisdiction and will be able to answer any questions or ensure that any concerns are addressed through an adequate review process.

Section 5 – Project Resilience to Climate Impacts

FBC has a Remote Work Policy that sets the foundation for FBC to help a responsive and productive remote workforce deliver value to the individuals the organization serves. Extensive experience with telework ensures a vast majority of efforts completed by the organization can be done virtually and under a wider range of conditions such as unprecedented times such as the

⁶ https://www.csrwire.com/press_releases/27845-pepsico-wins-u-s-epa-smartway-environmental-excellence-award

⁷ <https://www.epa.gov/smartway/smartway-carrier-performance-ranking>

⁸ <https://www.fortbendcountytexas.gov/your-county/county-calendar/fort-bend-county-pct-2-listening-tour>



Covid-19 pandemic, climate disasters, etc. As FBC is a hybrid workplace, all employees have had significant experience teleworking and communicating via the web. This allows FBC to reliably continue their work throughout the year and thorough unforeseen events.

Specific to the equipment, the project team recognizes the importance of protecting vehicles and associated infrastructure in the Houston metropolitan region, which may be more vulnerable to severe storms and flooding with the continuation of climate change's impact. Frito-Lay has developed a specific Disaster Response & Recovery Plan for its Texas and nationwide facilities that includes protocols to prepare, assess and respond to extreme weather events and other national disasters. In addition, as part of the electric vehicle infrastructure project at the site, a BESS will be installed to provide electric power in the case of grid outages.

Project siting – The Rosenberg site was chosen for early electrification in part due to its low flood risk. Per the Federal Emergency Management Agency (FEMA)'s Flood Map Service Center, the project address and surrounding area is designated as an area of minimal flood hazard⁹.

Onsite Battery Electric Storage System (BESS) – Frito-Lay is aware of the risks of grid failures to a supply chain that runs on battery electric vehicles. As the grid receives additional load over the coming decades in conjunction with more severe weather events, the likelihood of power outages increases. Frito-Lay is including a state-of-the-art BESS at the Rosenberg facility to provide backup power, allowing for normal fleet operations for up to 24 hours with no interruptions.

Section 6 – Workforce Development

FBC and Frito-Lay are dedicated to supporting a just and equitable transition to a clean energy future.

FBC and Frito-Lay will ensure that Frito-Lay's existing workforce is upskilled on the technology provided through the grant, and that no employees are replaced. The two primary work groups affected are the fleet mechanics and drivers who will be trained in operation, charging, and maintenance of the electric vehicles. Frito-Lay has a robust Health, Safety and Environment (HSE) Department which will participate in the safe operation and deployment of these electric vehicles. If any additional employees are required because of the replacement activities, the project team will prioritize hiring from the local workforce. Frito-Lay views its success as hinging on the company's ability to hire and retain the most talented people. Especially due to the rapidly changing workplace and technology advancements, Frito-Lay strives to engage and support its employees. For instance, Frito-Lay's Global Learning Center of Expertise provides employees curriculums on leadership, management, building a future-ready workforce, and functional skills. In addition, in 2020 Frito-Lay's parent company PepsiCo launched a Racial Equality Journey project in the U.S. which includes a focus on increasing underrepresented populations representation at the manager level within PepsiCo to mirror the communities in which they operate.

⁹ <https://msc.fema.gov/portal/search?AddressQuery=3310%20TX-36%2C%20Rosenberg%2C%20TX%2077471>



Section 7 – Environmental Results—Outcomes, Outputs and Performance Measures

Emissions Reductions, Cost Effectiveness and Additional Outputs and Outcomes

Expected outcomes for emissions reductions and cost effectiveness are shown in tables 4 and 5 below.

Table 4: Anticipated Output and Outcomes

Activity	Output	Outcome (short tons)
Replace 22 heavy duty diesel Frito-Lay transport tractors operating in the Houston metropolitan region.	22 vehicles replaced with zero emission, battery electric class 8 Tesla Semis	Annual Reduction PM2.5 = 0.013 Lifetime Reduction PM2.5 = 0.068 Annual Reduction NOx = 8.396 Lifetime Reduction NOx = 47.041 Lifetime Capital Cost Effectiveness = PM2.5 = \$97,321,229; NOx = \$140,303
		Annual Reduction Diesel Gallons = 371,453 Lifetime Reduction Diesel Gallons = 2,134,671
		Annually Reduction CO2 = 4,178.8 Lifetime Reduction CO2 = 24,015
Training provided to PepsiCo employees on new Teslas	~6 mechanics trained in operation, charging, and maintenance of Tesla Semis All CDL drivers will be trained in operation and charging	Vehicle maintenance and operation workforce is upskilled to handle technologically advanced vehicles as the energy transition continues
Engage local Fort Bend County communities to ensure meaningful participation	4 community listening sessions held during the project period to solicit feedback, address concerns, and share progress updates on the Rosenberg electrification project	Beneficiary communities engage with the EPA project and its goals, have been given opportunity for feedback and benefit from reduced transportation emissions

Table 5: Summary Emissions, Costs and Fuel Reductions

<u>Results (short tons)</u>	NOx	PM2.5	HC	CO	CO2	Fuel (gallons)
Annual Reductions After Upgrades	8.396	0.013	0.161	5.560	4,178.8	371,453
Annual % Reduced After Upgrades	100%	100%	100%	100%	100%	100%
Lifetime Reductions After Upgrades	47.041	0.068	0.873	31.973	24,015	2,134,671
Total Cost Effectiveness (\$/short ton reduced))	\$140,303	\$97,321,229	\$7,556,679	\$206,425	\$275	



Performance Measures and Plan

Measure	Method and Explanation
Emissions Reductions	Annual emissions reductions are estimated at 8.396 tons NO, 0.013 tons PM2.5, 0.161 HC and 5.56 CO. Actual criteria pollutant reductions will be tracked once new vehicles are commissioned and operational. Milestone reduction goals will be reported in quarterly reports to the EPA, as well as captured through reporting to EPA SmartWay.
Vehicle Purchases & Delivery	Frito-Lay will track progress throughout purchase and delivery timeline, including equipment purchase orders, delivery to facility, commissioning of vehicles and scrapping of old units. Frito-Lay will report project progress, expenditures, and next steps to FBC. FBC will oversee Frito-Lay as the contractor.
Environmental Impacts	Frito-Lay will measure and report actual GHG reductions against the annual target of 4,178.8 CO2 using data on actual new vehicle usage. Measure and report reduction in gallons of diesel fuel usage. Leverage media, community engagement, EPA reporting to communicate key outcomes.
Workforce Training	Frito-Lay project team will work with the Rosenberg site team to track development and delivery of training for Frito-Lay employees.
Community Engagement	Disseminate information on the project and technology via websites, community listening sessions, and media by both FBC and Frito-Lay.

Frito-Lay will partner with FBC to ensure that all necessary project and final reports are delivered to EPA in a timeline consistent with the contract terms and conditions of any potential award. Frito-Lay will draft these intermediate and final reports as the owner of the vehicles' operational data. FBC and Frito-Lay will communicate on project status and vehicle delivery timelines as necessary, with more check-ins as necessary as vehicle delivery and deployment approaches. Frito-Lay will track progress toward workplan milestones, budget and expenditure, and progress toward the performance measures described above, and will include updates and analysis of progress in the quarterly reports it prepares FBC and the EPA. Frito-Lay will also track and report on all actual vehicle usage in accordance with the contract terms and conditions. Frito-Lay will anticipate and communicate any reasonable adjustments to the timeline, activities, and milestones, and will plan for contingencies to ensure that project progress remains on track. The final project report will include summary analyses of the performance measures described above, and evaluation of project performance.

Timeline and Milestones

Following notice of award, FBC and Frito-Lay will undertake the tasks as described in Table 6 below. Project performance is scheduled to begin July 2024 and to complete by December 2026. The final report is projected for submission to the EPA by March 2027.



Table 6: Tasks and Milestones

	2024			2025				2026				2027
Project Phase	Q2	Q3	Q4	Q2	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
1- Project Administration												
1.1 Notice of Award												
1.2 Grant Agreement with EPA												
1.3 Contract Execution												
1.5 Project Kickoff /Performance Begins												
2- Replace Vehicles*												
2.1 New Vehicle Delivery												
2.2 New Vehicle Commissioning												
2.3 Old Vehicle Scrappage												
5- Workforce Development												
5.1 Coordinate / Prep / Schedule Mechanic Training												
5.2 Train Mechanics												
6- Community Engagement												
6.1 Engagement Activities in Fort Bend County												
7- Reporting												
7.1 Quarterly Reporting												
7.2 Final Report												

* Frito-Lay expects vehicles to be delivered by Tesla no later than Q4 2026. Vehicle delivery and deployment may be accelerated depending on availability from Tesla.

Section 8 – Programmatic Capability and Past Performance

Past Performance and Reporting Requirements

Agency	San Joaquin Valley Air Pollution Control District (SJVAPC)
Project Title	Modesto Electrification ZANZEFF
Agreement Number	G16-ZNZE-06
Assistance Listing Number	
Description	Modesto Fleet conversion to zero and near zero emissions technologies and supporting infrastructure, including Tesla Semis (15) and 750kW chargers (4) and associated BESS
Reporting	Frito-Lay provides reports directly to SJVAPC, all reporting is completed and compliant. Final report is currently being generated.

Agency	Kern Council of Government
Project Title	Kern Employee Charging Stations
Agreement Number	Kern Agreement dated 11-17-22
Assistance Listing Number	
Description	Employee charging stations for Kern facility
Reporting	Quarterly reports are submitted directly to the agency by Frito-Lay and are completed and up to date.



Agency	TCEQ
Project Title	San Antonio Texas Clean Fleets Program
Agreement Number	582-19-93628-0249
Assistance Listing Number	
Description	Purchase of 10 EV box trucks
Reporting	Frito-Lay reporting is up to date.

Staff Expertise

The two principal project partners are Fort Bend County and Frito-Lay. FBC is the local government entity representing the county in which the Rosenberg project is located.

Frito-Lay North America is the \$23 billion convenient foods division of PepsiCo, Inc. The company operates 30+ manufacturing facilities across the U.S. and Canada, more than 200 distribution centers and services 315,000 retail customers per week through its direct-store-delivery model. Frito-Lay and its parent company PepsiCo have aggressive internal goals achieving emissions reductions throughout their supply chain and has well over a decade of managing large scale public grants to further important sustainability targets.

Table 7: Project Team Expertise

Frito-Lay	
Dejan Antunovic, Fleet Electrification Program Manager	<ul style="list-style-type: none"> Leads EV and EVSE projects for PepsiCo across North America including Level 2, 3, and MCS charging capability across class 2b, 6, & 8 vehicles Partners with suppliers to work toward electrifying over 80,000 vehicles over 500 Frito-Lay and Pepsi facilities mature and select best technology for decarbonization Industry leader with participation in multiple conference and panels
Leon Plummer, Fleet Sustainability Director	<ul style="list-style-type: none"> Leads Fleet electrification team in PepsiCo North America team developing strategy for infrastructure projects, alternative fuel projects and EV deployment projects across Pepsi and Frito-Lay sites across North America, both electric and alternative fuels, to advance decarbonization program Advances PepsiCo Veteran partnerships through the Valor program Diversity and Equality initiatives Recent retiree of US Military prior to transition to PepsiCo
Adam Buttgenbach, Director – Fleet Sustainability and Engineering	<ul style="list-style-type: none"> Co-leads the PepsiCo Food and Beverage North America Fleet Center of Excellence Leads the Fleet Engineering and Sustainability efforts of 80,000+ assets, including on-highway, off-highway, and MHE Builds multi-year capital allocation of \$2.5B+ for the strategic transformation of mobility assets and infrastructure Integrated the PepsiCo Positive targets for GHG reduction in our private fleet with zero emission vehicles and alternative fuels Developed a safer fleet with minimum requirements on ADAS safety systems, level 2 autonomy, and better-connected vehicles Region Fleet / IMOPs EQUAL representative, supporting D&E and the LGBTQ+ community at PepsiCo Created a safety-first operations culture



Section 9 - Budget

Budget Detail

Fort Bend County is requesting \$3,000,000 in EPA funding to support the replacement of 22 heavy duty diesel transport tractors in Rosenberg. 100% of EPA funds will be used to procure and commission the new battery electric Tesla Semi trucks. The Frito-Lay project team will be providing a total of \$3,600,000 in mandatory cost share to fund the purchase the vehicles. EPA funding accounts for 45% of the total project cost of \$6,600,000. Table 8 details the breakdown of project costs whether it is funded by the EPA, voluntary cost share, or mandatory cost share.

Table 8: Budget Table

Line Item and Itemized Cost	EPA Funding	Voluntary Cost Share	Mandatory Cost Share
No relevant personnel	\$ -	\$ -	\$ -
TOTAL PERSONNEL	\$ -	\$ -	\$ -
No relevant fringe benefits	\$ -	\$ -	\$ -
TOTAL FRINGE BENEFITS	\$ -	\$ -	\$ -
No relevant travel	\$ -	\$ -	\$ -
TOTAL TRAVEL	\$ -	\$ -	\$ -
Tesla Semi Tractor (22 total)	\$ -	\$ -	\$ 3,600,000
TOTAL EQUIPMENT	\$ -	\$ -	\$ 3,600,000
No relevant supplies	\$ -	\$ -	\$ -
TOTAL SUPPLIES	\$ -	\$ -	\$ -
No relevant contractual work	\$ -	\$ -	\$ -
TOTAL CONTRACTUAL	\$ -	\$ -	\$ -
Pass Through to Sub-recipient, Frito-Lay	\$ 3,000,000	\$ -	\$ -
TOTAL OTHER	\$ 3,000,000	\$ -	\$ -
No relevant other	\$ -	\$ -	\$ -
TOTAL INDIRECT	\$ -	\$ -	\$ -
TOTAL FUNDING	\$ 3,000,000	\$ -	\$ 3,600,000

Expenditure of Awarded Funds

Both FBC and Frito-Lay are well versed in technical and financial project management and will ensure that EPA's awarded grant funds will be expended in a timely and efficient manner and complying with all grant contract terms and conditions. Following notice of grant award, FBC will meet with Frito-Lay to confirm milestones, timeline, and projected budget expenditures for the entirety of the project. Frito-Lay and FBC will agree to terms and conditions, detailed task



descriptions, and payment schedules tied to milestones to ensure all required tasks have been satisfied before any funds are paid out. To prepare quarterly reports to the EPA, Frito-Lay will gather invoices and evaluate any deviations from scheduled expenditure. This information will then be reviewed with FBC and submitted to the EPA in the Quarterly Reporting Template. Frito-Lay and FBC leadership and staff will maintain regular oversight of the project progress and will coordinate via telephone calls, e-mails, meetings, and site visits as needed, as well as through the quarterly progress reports provided by Frito-Lay.

Reasonableness of Costs

The proposed cost categories included in budget Table 8 are described below.

Personnel: There will be no relevant expenses in these categories.

Fringe Benefits: There will be no relevant expenses in these categories.

Travel: There will be no relevant expenses in these categories.

Equipment: FBC requests EPA funding for 22 new battery electric Tesla Semi trucks. The project team proposes to provide a cost share of \$3,600,000, with \$3,000,000 coming from the EPA National DERA grant. This meets the mandatory cost share requirement of 55% of total project costs coming from the applicant or project partner for vehicle or equipment replacement projects with zero-tailpipe emission power sources. The project team does not anticipate soliciting any other outside funding for these 22 units.

Supplies and Contractual Costs: There will be no relevant expenses in these categories.

Other: There will be no relevant expenses in these categories.

Indirect costs: There will be no relevant expenses in these categories.