

Emissions Reduction Incentive Grant (ERIG) Application

Refueling Infrastructure

TCEQ-10430f



ELIGIBLE COUNTIES

Austin Area (Bastrop, Caldwell, Hays, Travis, and Williamson Counties)

Baumont-Port Arthur Area (Hardin, Jefferson, and Orange Counties)

Corpus Christi Area (Nueces and San Patricio Counties)

El Paso Area (El Paso County)

Dallas-Fort Worth Area (Collin, Dallas, Denton, Ellis, Henderson, Hood, Hunt, Johnson, Kaufman, Parker, Rockwall, Tarrant, and Wise Counties)

Houston-Galveston-Brazoria Area (Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller Counties)

San Antonio Area (Bexar, Comal, Guadalupe, and Wilson Counties)

Tyler-Longview Area (Gregg, Harrison, Rusk, Smith, and Upshur Counties)

Victoria Area (Victoria County)

Eligible Applicants:

Eligible applicants include individuals, corporations, organizations, governments or governmental subdivisions or agencies, business trusts, partnerships, associations, or any other legal entity. This may include a corporation headquartered outside of the state of Texas, but which operates equipment or vehicles primarily in an eligible county in Texas.

Eligible Activities:

An eligible activity may include the purchase and installation of stationary or mobile on-site infrastructure for refueling motor vehicles, on-road vehicles, and non-road equipment, including marine and locomotives, with a qualifying liquid or gaseous fuel. Refer to the RFGA section 2.2.7 for more detailed information regarding Refueling Infrastructures.

- Only one Supplemental Activity Application Forms should be used for each activity.

Application Deadline:

This application form is only valid for the application period ending August 15, 2018 or subsequent end date if the application period is extended.

Regular Postal Delivery

Texas Commission on Environmental Quality
Air Quality Division
Implementation Grants Section (ERIG), MC-204
P.O. Box 13087
Austin, TX 78711-3087



www.terpgrants.org

Express Delivery or Hand Delivery

Texas Commission on Environmental Quality
Air Quality Division
Implementation Grants Section (ERIG), MC-204
12100 Park 35 Circle
Building F, 1st Floor, Room 1301
Austin, TX 78753

Emissions Reduction Incentive Grant (ERIG) Application

Refueling Infrastructure

General Information

Attach this form to the Project Application Form that you are applying for.

1. What type of fuel will be provided by the infrastructure?

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2. Primary Area for the Project: Please check the area in which the facility is located. Please mark the appropriate box with an X.

Austin Area (Bastrop, Caldwell, Hays, Travis, and Williamson Counties):	
Beaumont-Port Arthur Area (Hardin, Jefferson, and Orange Counties):	
Corpus Christi Area (Nueces and San Patricio Counties):	
Dallas - Fort Worth Area (Collin, Dallas, Denton, Ellis, Henderson, Hood, Hunt, Johnson, Kaufman, Parker, Rockwall, Tarrant, and Wise Counties):	
El Paso Area (El Paso County):	
Houston-Galveston-Brazoria Area (Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller Counties):	
San Antonio Area (Bexar, Comal, Guadalupe, and Wilson Counties):	
Tyler-Longview Area (Gregg, Harrison, Rusk, Smith, and Upshur Counties):	
Victoria Area (Victoria County):	

3. Project Area : List the counties below where the vehicles/equipment using the qualifying fuel will operate.

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4. Physical address of the project.

Street Address:	
City:	
State:	
Zip Code:	

5. Is the site/facility owned and/or operated by the applicant? Please mark "YES" or "NO" with an X.

Yes:		No:	
If the box above was marked No, list who owns and/or operates the site/facility:			

6. Designated Activity Life. The number of years you commit to using the vehicle/equipment with the infrastructure in the eligible counties, and to monitor and report to the TCEQ on the use. Please refer to Appendix B in the RFGA for a complete list of the minimum and maximum activity life for the various emission sources.

	Minimum of 5 years:	
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Emissions Reduction Incentive Grant (ERIG) Application
Refueling Infrastructure
Activity Summary

1. Activity Summary. Please provide below a brief summary of the proposed activity, including information on the infrastructure to be installed and how use of the infrastructure will result in new NOx reductions. Attach additional pages if needed.

2. Work Plan and Schedule. Provide below a detailed list of the major work tasks to purchase and install the infrastructure. Include a schedule for completing the work tasks. Attach additional pages if needed.

Emissions Reduction Incentive Grant (ERIG) Application

Refueling Infrastructure

Financial Data

1. Detailed Cost Information for Eligible Costs. List the total eligible costs for each of the categories and provide the total on the following page (Form 4). Please note, add all categories together except for line F. Subtract any other financial assistance the applicant is receiving.

A. Equipment: Defined as personal property having a unit acquisition cost of \$5,000 or more (including sales tax and delivery charges) with an estimated useful life of one year or more. Categories provided below may be included in the "equipment" total if the charges are included as part of the overall price of the equipment.

1. Infrastructure system, including sales tax and delivery charges:

2. Additional materials necessary for the installation (explain below):

3. Installation costs, if included as part of the equipment purchase:

4. Other necessary related items (\$5,000 or more per unit cost):

5. Total cost of Equipment:

B. Supplies: Include goods and materials having a unit acquisition cost (including sales tax and delivery charges) of less than \$5,000.

Total cost of Supplies:

Itemize Cost of Supplies Below

C. Contractual: Include re-engineering work, installation costs and other work a contractor is hired to do separate from the equipment and installation purchase agreement.

Total cost of Contractual:

Itemize Cost of Contractual Below

D. Construction: Include work directly related to the installation of the infrastructure, costs to prepare and improve the site, enhancement of current facilities or building new facilities. In-house labor and travel are not eligible for funding.

Total cost of Construction:

Itemize Cost of Construction Below

Emissions Reduction Incentive Grant (ERIG) Application

Refueling Infrastructure

Financial Data

Continued from Form 3

E. Other: Explain in detail other costs that do not fit within the previous categories. The costs must be directly related to the purchase and installation of the infrastructure. Long-term operational, maintenance, or repair costs are not eligible for funding.

Total cost of Other:

Itemize Cost of Other Below

F. Financial Assistance: List the value of and explain any other financial assistance to be used for the purchase or lease, such as tax credits or deductions, other grants, or any other public financial assistance.

Total Financial Assistance:

List the Value of and Explain Any Other Financial Assistance Below

Total Eligible Cost (A + B + C + D + E - F):

2. Grant Amount Requested for This Activity. This amount may not exceed 50% of the total eligible costs.

Total Grant Amount Requested for This Activity:

3. Total Project Cost

What is the total cost of this project, including eligible and non-eligible grant expenses:

Explain below any costs not included under section 1.

4. Procurement Process: Explain below the process used (or to be used) to select the installer, vendors and equipment. Three (3) bids or quotes are required to be attached to this grant application. If only one bid or quote was obtained, explain why the equipment or service is only available from one source.

Emissions Reduction Incentive Grant (ERIG) Application
Refueling Infrastructure
Infrastructure Information / NOx Emissions Reductions - Option 1

1. Infrastructure Information. Provide a general description of the infrastructure in the space below.

Make/Model: <i>(if applicable)</i>	
Model Year:	
Identification Number: <i>(part/kit number)</i>	
Estimated life of the infrastructure equipment:	

2. Manufacturer / Dealer Information. Provide the manufacturer or dealer contact information in the space below.

Manufacturer:	
Dealer: <i>(if determined)</i>	
Contact Name:	
Phone Number:	
Street Address:	
City:	
State:	
Zip Code:	

3. Fuel supplier Information (if determined)

Name:	
Contact Name:	
Phone Number:	

4. NOx Emission Reductions

An eligible activity may include the purchase and installation of stationary or mobile on-site infrastructure for storing and dispensing a qualifying fuel. A qualifying fuel is a liquid or gaseous fuel or additive that is ultimately dispensed into a motor vehicle, on-road heavy-duty vehicle, non-road equipment, locomotive, marine vessel, or stationary engine that provides reductions in nitrogen oxides (NOx) emissions, as determined by the TCEQ, beyond reductions required by state or federal law. Mark the appropriate box with an X for confirming the NOx emissions reductions.

Option 1 (vehicles and equipment are included for funding as a separate activity).

If funding for the upgrade or conversion of the applicant's vehicle or equipment fleet is requested as one or more separate activities under this project application and the NOx emissions reductions will be based solely on those separate activities, skip Section 4 and complete Form 9.

Option 2 (emissions reductions achieved through use of the fuel or additive).

NOx emissions reductions may be claimed for the use of a fuel or additive that is verified by the EPA to achieve the reductions when used in lieu of a baseline fuel, usually gasoline or regular diesel, or an additive mixed with the baseline fuel. If you are claiming the NOx emissions reductions based on this option, complete Section 4a and Form 9. Unless otherwise approved by the TCEQ in advance of the application, the qualifying fuel may only be used in vehicles and equipment owned and/or operated by the applicant.

Option 3 (emissions reductions achieved through purchase of clean vehicles or equipment).

In some cases, the TCEQ may accept a claim of NOx emissions reductions based on the purchase and use of alternative-fueled vehicles or equipment that are certified to a NOx emissions rate that is less than the federal standard for that engine. In this case, the purchases may not have occurred earlier than 12 months prior to the deadline for submission of an application. If you are claiming the NOx emissions reductions based on this option, complete Form 9 and complete the applicable supplemental activity application forms as instructed in Section 4b for each vehicle/equipment that will use the refueling infrastructure but is not included for funding.

Option 4 (emissions reductions achieved through repower or replacement).

In some cases, the TCEQ may accept a claim of NOx emissions reductions based on the use of the fuel after the repower or replacement of conventionally fueled vehicles or equipment with alternative-fueled vehicles, equipment, and/or engines, if that replacement or repower will result in a reduction in NOx emissions of at least 25 percent when compared with the baseline engine. If you are claiming NOx emissions reductions based on this option, complete Form 9 and complete the applicable supplemental activity application form as instructed in Section 4c for each vehicle/equipment being replaced or upgraded that will use the refueling infrastructure but is not included for funding.

Emissions Reduction Incentive Grant (ERIG) Application
Refueling Infrastructure
Infrastructure Information / NOx Emissions Reductions - Option 2

continued from Form 5

4a. Claiming NOx Emissions Reductions - Option 2

<p style="text-align: center;">A. Enter the Fuel or Additive Name or Type:</p>	
<p style="text-align: center;">B. Manufacturer (if applicable):</p>	
<p>C. Is the fuel or additive registered by the EPA for on-road use? Please enter Yes or No in the space provided.</p>	
<p>D. Is the fuel or additive verified by the EPA to achieve a reduction in NOx emissions when used in lieu of or added to gasoline or diesel? Please enter Yes or No in the space provided.</p>	
<p>E. Indicate whether the verification applies to on-road use, non-road use, or both:</p>	
<p>F. List the verified NOx emissions reduction percentage(s):</p>	

H. Vehicle and Equipment Information. In order to determine the reductions in NOx emissions attributable to the project, the percentage reduction listed above must be applied to the baseline emissions as determined for each vehicle or piece of equipment to be fueled by the infrastructure. The applicant must provide information regarding each vehicle or piece of equipment, as listed below, on a separate spreadsheet or other list to be attached to the application.

1. On-Road Vehicles. For each vehicle to be fueled by the infrastructure provide on a separate list the following information: Vehicle Description (i.e., haul truck, garbage truck, street sweeper, etc.); Vehicle Make; Vehicle Model/Model Number; Vehicle Model Year; Vehicle Identification Number (VIN); Gross Vehicle Weight Rating; Engine Make; Engine Model/Model Number; Engine Model Year; Engine Identification Number; Engine Model Year; Engine Horsepower; Engine Family Code (12-digit emissions code); Certified NOx Emissions in g/bhp-hr; and the number of gallons of qualifying fuel that will be used by this vehicle for travel in the eligible counties over the activity life. Note, only the fuel to be used in the eligible counties may be reimbursed under the grant and used to count the emission reductions.

2. Non-Road Equipment. For each piece of equipment to be fueled by the infrastructure provide on a separate list the following information: Equipment Description (i.e., dozer, excavator, forklift, etc.); Equipment Make; Equipment Model/Model Number; Equipment Model Year; Equipment Identification Number; Engine Make; Engine Model/Model Number; Engine Model Year; Engine Identification Number; Engine Horsepower; Engine Family Code (12-digit emissions code); Certified NOx Emissions in g/bhp-hr; and the number of gallons of qualifying fuel that will be used by this equipment in the eligible counties over the activity life. Note, only the fuel to be used in the eligible counties may be reimbursed under the grant and used to count the emission reductions.

Emissions Reduction Incentive Grant (ERIG) Application
Refueling Infrastructure
Infrastructure Information / NOx Emissions Reductions - Option 3

Continued from Form 6

4b. Claiming NOx Emissions Reductions - Option 3

In some cases, the TCEQ may accept a claim of NOx emissions reductions based on the purchase and use of alternative-fueled vehicles or equipment that are certified to a NOx emissions rate that is 25 percent less than the federal standard for that engine. In this case, the purchases may not have occurred earlier than 12 months prior to the deadline for submission of an application. If you are claiming the NOx emissions reductions based on this option, complete Form 9 and complete a supplemental activity application form for each vehicle/equipment that will use the refueling infrastructure but is not included for funding and provide the information requested.

A. In general, the vehicles and equipment using the qualifying fuel should be owned and/or operated by the applicant. However, the TCEQ will consider situations where the fuel will be provided to upgraded fleets owned and/or operated by another entity. In that case, you will need to provide a letter of agreement by the third party indicating a willingness to use the qualifying fuel and report on the use.

B. The vehicle or fleet upgrades must result in at least a 25 percent reduction of NOx emissions compared to an equivalent baseline engine. In general, the baseline for comparison for natural gas vehicles certified under the diesel cycle will be the diesel engine standard applicable to that type of engine. Similarly, for propane, natural gas, and other fueled vehicles and equipment certified under the otto-cycle standard, the baseline for comparison will be the federal otto-cycle standard applicable to that type of engine. What this means is that the upgraded vehicle or equipment engines must be certified to a NOx emissions rate that is less than the standard for that type of engine under the test cycle used. The NOx emissions reductions are based on the difference in the emissions rates.

C. On-Road Vehicles. In addition to completing Form 9, you must complete a separate supplemental Activity Application Form for each vehicle or piece of equipment being purchased, just as if the vehicle or equipment purchase was being applied for under the grant. For on-road vehicles, complete Form 10430a. The vehicle purchase may not have occurred earlier than 12 months prior to the deadline for submitting an application. Do not complete the budget/cost pages, since under this option, you will not be requesting reimbursement for those costs.

D. Non-Road Equipment. In addition to completing Form 9, you must complete a separate supplemental Activity Application Form for each vehicle or piece of equipment being purchased, just as if the vehicle or equipment purchase was being applied for under the grant. For non-road equipment, complete Form 10430a. The purchase of the equipment may not have occurred earlier than 12 months prior to the deadline for submitting an application. Do not complete the budget/cost pages, since under this option, you will not be requesting reimbursement for those costs.

Emissions Reduction Incentive Grant (ERIG) Application
Refueling Infrastructure
Infrastructure Information / NOx Emissions Reductions - Option 4

Continued from Form 7

4c. Claiming NOx Emissions Reductions - Option 4

In some cases, the TCEQ may accept a claim of NOx emissions reductions based on the repower or replacement of conventionally fueled vehicles or equipment with alternative-fueled vehicles, equipment, and/or engines to be fueled by the infrastructure, if that replacement or repower will result in a reduction in NOx emissions of at least 25 percent when compared with the baseline engine. If you are claiming NOx emissions reductions based on this option, complete Forms 9 and 10 and complete the applicable supplemental activity application form as instructed in Section 4c for each vehicle/equipment being replaced or upgraded that will use the refueling infrastructure but is not included for funding.

A. In general, the vehicles and equipment using the qualifying fuel should be owned and/or operated by the applicant. However, the TCEQ will consider situations where the fuel will be provided to upgraded fleets owned and/or operated by another entity. In that case, you will need to provide a letter of agreement by the third party indicating a willingness to use the qualifying fuel and report on the use.

B. The vehicle or equipment repowers or replacements must result in a reduction of NOx emissions of 25 percent compared to original baseline engine. The NOx emissions reductions are based on the difference in the emissions rates.

C. Repowers may not have taken place earlier than 12 months prior to the application submission deadline. Replacement activities may not have occurred prior to the opening date of the application period.

D. On-Road Vehicles. In addition to completing Form 9, you must complete a separate supplemental Activity Application Form for each vehicle or piece of equipment being repowered or replaced, just as if the vehicle or equipment purchase was being applied for under the grant. For on-road vehicle replacements or repowers, complete Form 10430b or 10430c. These are the same forms you would complete for a grant for Replacement or Repower of On-road Vehicles. Do not complete the budget/cost pages, since under this option, you will not be requesting reimbursement for those costs.

E. Non-Road Equipment. In addition to completing Form 9, you must complete a separate supplemental Activity Application Form for each vehicle or piece of equipment being purchased, just as if those the vehicle or equipment purchase was being applied for under the grant. For non-road equipment purchases, complete Form 10430b or 10430c. These are the same forms you would complete for a grant for Replacement or Repower of Non-Road Equipment. Do not complete the budget/cost pages, since under this option, you will not be requesting reimbursement for those costs.

Emissions Reduction Incentive Grant (ERIG) Application

Refueling Infrastructure

Vehicle / Equipment Information

1. Vehicle and Equipment Information

A. Total number of vehicles and/or equipment to be fueled by the infrastructure:	
B. If the purchase of the vehicles and/or equipment will not be funded by a TERP grant, how were or how will the purchases be funded (explain below):	
C. Have the emission reductions that can be attributed to the use of the vehicles and/or equipment already been assigned to another program? If so, the activity is not eligible for funding. Please mark "YES or "NO" with an X.	
Yes:	No:

2. Ownership Information

A. Does the applicant own the vehicles and equipment to be fueled? Please mark "YES or "NO" with an X.	
Yes:	No:
B. If the applicant will not own the vehicles and equipment, identify the owner(s) below:	
Company:	
Contact Name:	
Phone Number:	
Street Address:	
City:	
State:	
Zip Code:	
C. If the applicant does not own the vehicles and equipment, explain below how the applicant will ensure that the vehicle or equipment will continue to use the grant-funded infrastructure for the activity life.	

Emissions Reduction Incentive Grant (ERIG) Application
Refueling Infrastructure
Emissions Reductions and Cost Per Ton

1. Additional Emission Reductions

In addition to the emissions reductions that can be attributed to the use of the fuel by the vehicles and equipment already identified, the TCEQ may consider the probability that the availability of the infrastructure will encourage additional purchases or conversion of vehicles and equipment that will use the qualifying fuel. The applicant is encouraged to provide a written explanation and provide any available information on the probability that the additional purchases and/or conversions will result from the availability of the infrastructure.

2. Emissions Reductions and Cost Per Ton (completion is optional)

You are not required to calculate the emissions reductions and cost per ton of this project in order to apply for the grant. However, you may provide the following information for the activity included in the application.

Applicant's Estimate	
Total Emissions Reductions for this Activity: <i>(tons of NOx)</i>	
Annual Emissions Reductions for this Activity: <i>(tons of NOx)</i>	
Cost Per Ton for this Activity: <i>(\$/ton)</i>	

Emissions Reduction Incentive Grant (ERIG) Application Refueling Infrastructure

This page should be used as a checklist before grant application submission.

Checklist

You should use the checklist that is included in the Project Application Form that you are attaching this Refueling Infrastructure Form to in addition to the checklist below.

Required Documents Attached

These materials must be included with the refueling infrastructure forms

1. Provide the written quotes and other information used to determine the costs.
2. Attach any available information about the infrastructure to be installed.
3. Provide a letter or other documentation that the owner(s) of the vehicles and equipment support the project, have or intend to purchase the vehicles and equipment identified in this application, and intend to use the infrastructure for the Activity Life proposed by the applicant.
4. Attach all available agreements, market studies, research reports, and other information that indicates that the availability of the infrastructure will result in additional purchases and/or conversions of vehicles and equipment that will use the qualifying fuel.
5. The TCEQ may request additional materials to support the application.
