North Texas Freight Terminal Electrification 2019 Call for Projects

November 14, 2019
Webinar

Huong Duong
Air Quality Planner

FOR AUDIO PLEASE CALL INTO THE CONFERENCE LINE
1-888-250-3900
PIN: 442318#
Introduction
Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the Design Value (three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration) is equal to or less than 70 parts per billion (ppb).

1997 Standard < 85 ppb (Revoked)

2008 Standard ≤ 75 ppb (Serious by 2021)

2015 Standard ≤ 70 ppb¹ (Marginal by 2021)

¹Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the Design Value (three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration) is equal to or less than 70 parts per billion (ppb).

Source: NCTCOG TR Dept
North Central Texas Air Quality

Total NO\textsubscript{x} = 296.77 tons per day (tpd)

- On-Road Mobile: 130.77 tpd
- Non-Road Mobile: 45.54 tpd
- Off-Road Mobile: 25.24 tpd
- Point (Excluding Oil & Gas): 38.30 tpd
- Point (Oil & Gas): 16.50 tpd
- Area: 26.55 tpd
- Oil & Gas (Production & Drill Rigs): 13.87 tpd

**Source:** TCEQ, 2017 Dallas-Fort Worth 8-hour Ozone Attainment Demonstration State Implementation Plan
Call For Projects Overview

**Source of Funds:**
EPA National Clean Diesel Funding Assistance Program

**Funding Available:**
Approximately $1 Million

**Structure:**
Competitive Basis
Application Deadline: Friday, December 13, 2019 at **5:00 PM CST**
Applicant Eligibility

Public or private companies

Own or operates private freight terminals and distribution center that primarily receive transport refrigeration units (TRU) in the Ten-County Nonattainment Area

Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, Tarrant, and Wise Counties

Considerations will be given project areas located within,

- Environmental Justice
- Freight Oriented Development Areas
Project Eligibility


<table>
<thead>
<tr>
<th>Activity</th>
<th>Maximum Funding Levels</th>
<th>Estimated Unit Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrified Parking Spaces</td>
<td>30% up to $3,600/space</td>
<td>$12,000</td>
</tr>
<tr>
<td>Power Monitoring Equipment</td>
<td>30% up to $1,800/equipment</td>
<td>$6,000</td>
</tr>
<tr>
<td>Electric Power Kits</td>
<td>30% up to $900/kit</td>
<td>$3,000</td>
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</tbody>
</table>
Electrified Parking Spaces:
Construction and installation of EPA-verified EPS systems at truck terminals and distribution centers in the ozone non-attainment area. Projects must be designed to provide power to only eTRUs of heavy-duty trucks and trailers working in freight goods movement.

Includes: Trenching, construction, electrical wiring, and charging equipment
Project Eligibility

Power Monitoring Equipment:
Installation of an electric power monitoring equipment per site. Monitoring equipment shall monitor the usage at EPS specifically.
Limit: 1 Monitor per site location

Electric Power Kits:
Installation of connection equipment that aids transport refrigeration units to connect receptacles and pedestal in order to keep refrigerated trucks and trailers operating.
## Elgibility Screens

**Minimum Allowable Subaward: $100,000**

### Project examples:

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Total Cost</th>
<th>Funding Threshold</th>
<th>Grant Amount</th>
<th>Minimum Award Met?</th>
</tr>
</thead>
<tbody>
<tr>
<td>28 Electrified Parking Space</td>
<td><strong>EPS: $12,000 each</strong> Total Cost: $336,000</td>
<td>30%</td>
<td>$100,800</td>
<td>✓</td>
</tr>
<tr>
<td>30 Electrified Parking Space 3 Power Monitoring Equipment</td>
<td><strong>EPS: $12,000 each</strong> <strong>Power Monitoring Equipment: $6,000 each</strong> Total Cost: $378,000</td>
<td>30%</td>
<td>$113,400</td>
<td>✓</td>
</tr>
<tr>
<td>20 Electrified Parking Space 2 Power monitoring equipment 10 Electric Power Kits</td>
<td><strong>EPS: $12,000 each</strong> <strong>Power Monitoring Equipment: $6,000 each</strong> <strong>Electric Power Kits: $3,000</strong> Total Cost: $282,000</td>
<td>30%</td>
<td>$84,600</td>
<td>✗</td>
</tr>
</tbody>
</table>
Selection Criteria

**Quantitative Analysis (75%):**
Cost Per Ton NO\textsubscript{x} Emissions Reduced, 75% of scoring
Purpose: Maximize Emissions Reductions

**Qualitative Assessment (25%):**
Subrecipient Location, Risk, & Feasibility Criteria, 25% of scoring
Purpose: Balance Project Benefits with Administrative Burden
- Financial/Organizational Capacity
- History of Performance for Federal Funds
- Experience in Carrying Out A Federally Compliant Procurements, and the Proposed Procurement Approach for This Project
- Results of Previous Audits
- Past Performance On NCTCOG-Related Grants
Qualitative Assessment (continued):

Purpose: Maximizing Benefits in Sensitive Populations and Freight Industry Dense Areas

• Projects located within or near Environmental Justice areas of the eligible geographic area, which may result in emissions reductions which more effectively impact critical ozone monitors
• Projects located near freight corridors
Overall Process – High-Level View

Applicant Applies

NCTCOG Selects Projects

NCTCOG Provides Notice of Award

Applicant Attends Kick-Off Meeting

Parties Execute Agreement

NCTCOG Gives Procurement Approval

Applicant Places Orders, Takes Delivery

Applicant Submits Reimbursement

NCTCOG Gives Approval

Applicant Proceeds with Disposition

NCTCOG Issues Reimbursement
Risk Assessment
North Texas Freight Terminal Electrification 2019

Risk Assessment:
https://www.surveymonkey.com/r/NTFTE19

Risk Assessment (PDF):

Contact:
DJ Hale
dhale@nctcog.org
817-608-2373
Application Process
Application Process

1. Go to www.nctcog.org/AQfunding Funding and Resources

   Funding

   Funding for projects that address air quality, such as clean vehicle projects, are available from a number of federal, state, local, and non-profit entities.

How to Apply:

1. Review Guidelines [PDF]
2. Review Frequently Asked Questions [PDF] (coming soon)
3. Fill out the **Intent to Submit Form**: Submitting this form entitles the applicant to a reminder notice two weeks in advance of the application deadline.
4. Submit an Online Risk Questionnaire. Review and fill out the PDF version to familiarize yourself with the questions. You will need complete and submit the Online Risk Questionnaire. Once you start the questionnaire online, we will need to finish in one session from the beginning and submit.
   - Online Risk Questionnaire
   - PDF Online Risk Questionnaire [PDF]
5. Submit an Application by Mail or In Person [XLS]
6. Review an Example Agreement [PDF]
Application Checklist

- **Step 1:** Review Guidelines
- **Step 2:** Submit an Online Intent to Submit Form (Optional)
- **Step 3:** Submit an Online Risk Assessment
- **Step 4:** Submit Completed Application
  - Project Contact - Manages Project
  - Authorized Official - Signs Grant Agreement

DESIREDEQUIPMENTSHOULDNOTBEPURCHASED
Application Process

Applications Must be in a Sealed Envelope With a Return Address on the Outside

Mail or Deliver to: (Faxes Not Accepted)

North Central Texas Council of Governments
Transportation Department
North Texas Freight Terminal Electrification 2019 Call for Projects
Attention: Huong Duong
616 Six Flags Drive
Arlington, TX 76011

Must be Received “in-hand” by 5:00 PM Central Standard Time on December 13, 2019.
Application Process

Applicants are Strongly Encouraged to:

Email Application File in Excel Format to AQgrants@nctcog.org Prior to Submittal To Allow Staff to Review for Completeness and Provide Commentary

Submit Application in Advance of Deadline to Review for Completeness
1. Must follow specific procurement procedures in order to be REIMBURSED project expenses. Do not proceed with project purchases until given specific instructions to proceed, otherwise reimbursement may not be given.

2. A contract agreement will need to be signed by Awardees and the North Texas Council of Governments if selected recipient accepts the award.

3. Monthly and annual reporting will be expected to be submitted by awardees to ensure compliance with grant requirements otherwise reimbursement may need to be returned at a prorated amount.
<table>
<thead>
<tr>
<th>Milestone</th>
<th>Estimated Timeframe</th>
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<tr>
<td>STTC Approval to Open CFP</td>
<td>August 23, 2019</td>
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<tr>
<td>RTC Approval to Open CFP</td>
<td>September 12, 2019</td>
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<td>CFP Opens</td>
<td>September 17, 2019</td>
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<tr>
<td>Application Workshop</td>
<td>November 14, 2019 at 10:00 AM</td>
</tr>
<tr>
<td>Application Deadline</td>
<td>Friday, December 13, 2019 at 5:00 PM</td>
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<tr>
<td>Staff Funding Recommendations Finalized</td>
<td>April 2020</td>
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<td>STTC Action</td>
<td>April 24, 2020</td>
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<tr>
<td>RTC Action</td>
<td>May 14, 2020</td>
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<tr>
<td>Executive Board Authorization</td>
<td>May 28, 2020</td>
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<tr>
<td>Project Implementation Deadline</td>
<td>March 31, 2021</td>
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Questions
For More Information

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