

## BENEFICIARY ELIGIBLE MITIGATION ACTION CERTIFICATION

Beneficiary State of Arkansas

Lead Agency Authorized to Act on Behalf of the Beneficiary Arkansas Department of Energy and Environment (E&E), Division of Environmental Quality (DEQ)

<b>Action Title:</b>	<u>Class 4-8 School Bus, or Transit Bus</u>
<b>Beneficiary's Project ID:</b>	Clean Fuels PY 4A
<b>Funding Request No.</b>	<u>18</u>
<b>Request Type:</b>  (select one or more)	<input type="checkbox"/> Reimbursement <input type="checkbox"/> Advance <input checked="" type="checkbox"/> Other (specify): Reimbursement for program development administrative costs  Advance funding for projects and DEQ program administration costs
<b>Payment to be made to:</b>  (select one or more)	<input checked="" type="checkbox"/> Beneficiary <input checked="" type="checkbox"/> Other (specify): A funding request directing administrative costs will be submitted separately. A funding request directing project-related costs to the disbursement sub-account for the Clean Fuels Program established with Wilmington Trust, per the WT Mitigation Arkansas Disbursing Agreement. Project-related costs will be directed to the project sponsor using the Payee Information Upload Template in accordance with the WT Mitigation Arkansas Disbursing Agreement
<b>Funding Request &amp; Direction (Attachment A)</b>	<input checked="" type="checkbox"/> Attached to this Certification To be Provided Separately

### SUMMARY

<b>Eligible Mitigation Action</b> <input checked="" type="checkbox"/> Appendix D-2 item (specify): <u>Item 2: Class 4-8 School Bus, or Transit Bus</u>	
<b>Action Type</b>	<input type="checkbox"/> Item 10 - DERA Option (5.2.12) (specify and attach DERA Proposal):
<b>Explanation of how funding request fits into Beneficiary's Mitigation Plan (5.2.1):</b> This Eligible Mitigation Action Certification (EMAC) implements the Arkansas Clean Fuels Funding Assistance Program described in section IV.E. of Arkansas's Beneficiary Mitigation Plan as revised	
<b>Detailed Description of Mitigation Action Item Including Community and Air Quality Benefits (5.2.2):</b> The table below represents the proposed project that DEQ during the Clean Fuels program year 4A.	

DEQ requests approval from the Trustee to replace the vehicles listed in the table below.

<b>Applicant</b>	<b>Proposed Vehicles</b>	<b>Proposed Replacements</b>
Rock Region Metropolitan Transit Authority	7 2008 Diesel Powered transit buses	5 CNG powered Transit buses

The vehicles to be replaced will be scrapped in accordance with the requirements of the Trust. All vehicles to be replaced pursuant to this Certification meet the requirements specified for Eligible Mitigation Action Unit 1.

The replacement projects will reduce emissions of nitrogen oxides and particulate matter from each vehicle lessening potential exposure of Arkansans to harmful air pollutants including ozone, fine particulate matter, and nitrogen dioxide.

DEQ will request reimbursement of eligible as expenses are directed to the applicant once the projects are completed and all required documentation has been submitted to DEQ.

DEQ will also submit a reimbursement request for personnel costs and fringe benefits associated with implementing the Clean Fuels Program. Administrative costs will not exceed 15% of the total cost the Clean Fuels Program.

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

DEQ estimated anticipated NOx reductions from each of the selected projects using the Diesel Emissions Quantifier at: <https://cfpub.epa.gov/quantifier/index.cfm?action=main.home>

<b>Proposed projects</b>			<b>Replacement technology</b>	
Rock Region Metropolitan Transit Authority			CNG	
<b>Powertrain</b>	<b>CO</b>	<b>NOx</b>	<b>PM2.5</b>	<b>CO2</b>
CNG	0.867	4.045	0.021	1034.6

**Identification of Governmental Entity Responsible for Reviewing and Auditing Expenditures of Eligible Mitigation Action Funds to Ensure Compliance with Applicable Law (5.2.7.1):**

Arkansas Department of Finance and Administration

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

DEQ will post this EMAC minus Attachments A and D, as well as project application instructions for the program described in this EMAC to <https://www.ADEQ.state.ar.us/air/planning/vw.aspx>. DEQ will upload information including estimated emissions reductions, program implementation milestones, and project recipients and awards to the same web page.

**Describe any cost share requirement to be placed on each NOx source proposed to be mitigated (5.2.8).**

A cost-share is required for all projects funded under the Clean Fuels program. The table below provides the funding assistance amounts and minimum cost-share for each organization and project type.

Organization Type	Project Type	Maximum Funding Assistance (Percentage of Project Cost)	Minimum Mandatory Cost Share from Project Sponsor (Percentage of Project Cost)
Government Owned	Replacement	70%	30%

DEQ retains the right to partially fund proposals.

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

On February 28, 2018, DEQ provided notice to the US. Fish and Wildlife Service, U.S. National Park Service, and the U.S. Forest Service of Arkansas's designation as a Beneficiary under the Trust. These notices were sent to the email addresses listed in the Trust Agreement and included a letter from Stuart Spencer, Associate Director of the Office of Air Quality at DEQ, the Environmental Mitigation Trust Agreement for State Beneficiaries, the Notice of Beneficiary Designation, and the Amended D-3 Certification with Attachment. These federal land managers were also provided with a link to <https://www.ADEQ.state.ar.us/air/planning/vw.aspx>, where DEQ is posting information related to DEQ's implementation of Arkansas's beneficiary mitigation plan. These notifications have been posted to the web page.

**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).**

This mitigation action will provide the NOx emissions benefits outlined in 5.2.3. in areas in Pulaski County, which contain much of the Little Rock metropolitan area, parts of which contain communities that have historically borne a disproportionate share of the adverse impacts of such emissions.

**ATTACHMENTS**  
**(CHECK BOX IF ATTACHED)**

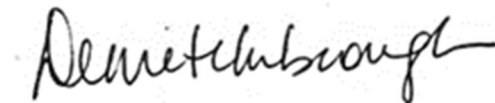
- |                       |   |
|-----------------------|---|
| <b>✓ Attachment A</b> | <b>Funding Request and Direction</b>  |
| <b>✓ Attachment B</b> | <b>Eligible Mitigation Action Management Plan Including Detailed Budget and Implementation and Expenditures Timeline (5.2.4)</b>  |
| <b>✓ Attachment C</b> | <b>Detailed Plan for Reporting on Eligible Mitigation Action Implementation (5.2.11)</b>  |
| <b>✓ Attachment D</b> | <b>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.]</b> |
| <b>Attachment E</b>   | <b>DERA Option (5.2.12). [Attach only if using DERA option.]</b>  |
| <b>Attachment F</b>   | <b>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.]</b> |

## **CERTIFICATIONS**

By submitting this application, the Lead Agency makes the following certifications:

1. This application is submitted on behalf of Beneficiary Arkansas, 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: 12.27.2024



**Demetria Kimbrough**  
Associate Director, Office of Air Quality

Arkansas Department of Energy and Environment  
[LEAD AGENCY]

for

State of Arkansas  
[BENEFICIARY]

## **ATTACHMENT B**

### **CLEAN FUELS PROJECT MANAGEMENT PLAN**

#### **PROGRAM SCHEDULE AND MILESTONES**

The Clean Fuels program was designed to be a four-year program to provide funding assistance on a competitive basis for projects that reduce emissions by repowering or replacing eligible diesel vehicles with diesel, alternate-fueled (low NOx compressed natural gas, propane, or liquefied natural gas), or all-electric vehicle technologies. DEQ's Clean Fuels Program year 4A received 1 proposal for eligible mitigation action Item 2: Class 4-8 School Bus, or Transit Bus. DEQ proposes to replace 7 diesel powered transit buses with 5 new compressed natural gas (CNG) powered transit buses.

Milestone	Date
DEQ and Project Manager sign Memorandum of Agreement (MOA) specifying the terms of the project.	December, 2024
Project Manager certifies project completion and provides required documentation to DEQ.	Within 18 Months of Signature of MOA Est. June 2026 unless more time is requested due to project requirements
DEQ completes review of Project Manager documentation and certifies payment direction to disbursing agent	Within 60 days of complete documentation receipt
Disbursing agent remits payment to project sponsor	Within 3 days of direction for payment
DEQ Reports Program Completion and expenditures to Trustee	Semi-Annual Report

#### **PROGRAM BUDGET**

Cost-share requirements are specified in the Clean Fuels Program Beneficiary Eligible Mitigation Action Certification form. A total of \$470,550.00 has been allocated to the Clean Fuels Program year 4A, with an estimated \$400,000.00 to be awarded to program participants for completing projects and no more than \$70,550.00 for administrative costs associated with running the program.

<b>Period of Performance:</b> Fall <u>2023</u> to Winter 2023/2024		
Budget Category	Share of Total Program Budget to be funded by the Trust	Estimated Cost-Share (Project Sponsor)
Program Participants Support	\$400,000.00	\$3,556,100.00
Administrative	\$70,550.00	\$0.00
Project Totals	\$470,550.00	\$3,556,100.00

**PROJECTED TRUST ALLOCATIONS:**

The table below indicates anticipated funds to be drawn down from Arkansas's allocation under the Trust for the Clean Fuels Program. The amounts in this table reflect only the portion of Arkansas's allocation allotted to the Clean Fuels Program in the Arkansas Beneficiary Mitigation Plan. Because specific projects that will be awarded under this program will depend upon applications received, cost share and total project costs—which includes cost share—have not been included in the table below.

<b>Project Trust Allocations</b>	<b>2023-24</b>
1. Anticipated Annual Project Funding Request to be paid through the Trust	\$470,550.00
2. Anticipated Annual Cost Share	\$3,556,100.00
3. Anticipated Total Project Funding by Year (line 1 plus line 2)	\$4,026,650.00
4. Cumulative Trustee Payments Requested to Date Against Cumulative Beneficiary Allocation (DERA Go RED! and Level 2 EVSE)	\$13,800,584.28
5. Current Beneficiary Project Funding to be Paid through Trust (line 1)	\$470,550.00
6. Total Funding Allocated to Beneficiary, inclusive of Current Action by Year (line 4 plus line 5)	\$14,271,134.28
7. Total Funding Allocated to Beneficiary	\$14,647,909.00
8. Trust funds interest accumulated to-date as of 10/31/22	\$615,075.03
9. Net Beneficiary Funds Remaining in Trust, net of cumulative Beneficiary Funding Actions (Line 7 minus line 6 plus 8)	\$991,849.75

## **ATTACHMENT C**

### **DETAILED PLAN FOR REPORTING ON ELIGIBLE MITIGATION ACTION IMPLEMENTATION**

The Arkansas Department of Energy and Environment (E&E), Division of Environmental Quality (DEQ) will provide detailed reporting on the Clean Fuels Funding Assistance Program in two ways: 1) timely updates to DEQ's Volkswagen Mitigation Trust web page and 2) semiannual reporting to Wilmington Trust.

#### **1. DEQ Volkswagen Mitigation Trust webpage**

DEQ maintains a Volkswagen Mitigation Trust web page that has been designed to disseminate information regarding Arkansas's beneficiary mitigation plan and implementation of that plan. The web page is located at <https://www.ADEQ.state.ar.us/air/planning/vw.aspx>. Guidance on how to apply for reimbursement under the CLEAN FUELS Funding Assistance Program is accessible via this web page. DEQ will post the Eligible Mitigation Action Certification (EMAC) and Attachments B and C to this web page. DEQ will also upload information to this web page including estimated emission reductions, program implementation milestones, and project recipients and awards.

#### **2. Semiannual reporting to Wilmington Trust**

The State Beneficiary Trust Agreement establishes the following requirements for reporting for each Eligible Mitigation Action to the Trustee:

For each Eligible Mitigation Action, no later than six months after receiving its first disbursement of Trust Assets, and thereafter no later than January 30 (for the preceding six-month period of July 1 to December 31) and July 30 (for the preceding six-month period of January 1 to June 30) of each year, each Beneficiary shall submit to the Trustee a semiannual report describing the progress implementing each Eligible Mitigation Action during the six-month period leading up to the reporting date (including a summary of all costs expended on the Eligible Mitigation Action through the reporting date). Such reports shall include a complete description of the status (including actual or projected termination date), development, implementation, and any modification of each approved Eligible Mitigation Action. Beneficiaries may group multiple Eligible Mitigation Actions and multiple sub-beneficiaries into a single report. These reports shall be signed by an official with the authority to submit the report for the Beneficiary and must contain an attestation that the information is true and correct, and that the submission is made under penalty of perjury. To the extent a Beneficiary avails itself of the DERA Option described in Appendix D-2, that Beneficiary may submit its DERA Quarterly Programmatic Reports in satisfaction of its obligations under this Paragraph as to those Eligible Mitigation Actions funded through the DERA Option. The Trustee shall post each semiannual report on the State Trust's public-facing website upon receipt.

DEQ has developed a report template for documenting implementation of the CLEAN FUELS Funding Assistance Program. This template includes information for each budget category, including:

- Mitigation Funds Expended for the Current Reporting Period
- Voluntary Additional Cost-Share Expended for the Current Reporting Period
- Cumulative Mitigation Funds Expended
- Cumulative Voluntary Additional Cost-Share Expended

In addition, the template asks the following questions that will be answered for each reporting period:

- What actual accomplishments occurred during the reporting period?
- Were funds awarded for any projects under the Eligible Mitigation Action Plan during the current reporting period? If so, list the recipients and how much funding they received.
- Provide a comparison of actual accomplishments with the anticipated outputs/outcomes and timelines/milestones specified in the Eligible Mitigation Action Management Plan.
- If anticipated outputs/outcomes and/or timelines/milestones are not met, why not? Did you encounter any problems during the reporting period which may interfere with meeting the project objectives?
- How do you propose to remedy any problems? Identify how and the date you will get back on course to meet the anticipated outputs/outcomes and/or timelines/milestones specified in the Eligible Mitigation Action Management Plan.
- If any cost-shares are reported for this Reporting Period in Table 1 above, identify the source of the funds.
- Did any public relations events regarding this program take place during the reporting period?
- What is the URL for the state website where members of the public can find information about implementation of this Eligible Mitigation Action?

The template will also include a section for inputting project-specific details including the following:

- Type of Project: Repower or Replacement
- Fleet Owner
- Primary Place of Performance
  - State,
  - County,
  - City,
  - ZIP Code
- Eligible Vehicle/Equipment Information
  - Vehicle Size Class
  - Vehicle Type
  - Vehicle Identification Number
  - Vehicle Make
  - Vehicle Model
  - Vehicle Model Year

- Engine Serial Number
- Engine Model Year
- Engine Horsepower
- Engine Fuel Type
- Annual Amount of Fuel Used
- Annual Miles Traveled
- Annual Idling Hours
- Remaining Life of Engine
- New Vehicle/Equipment Information
  - Fleet Owner
  - Primary Place of Performance
    - State,
    - County,
    - City,
    - ZIP Code
  - Vehicle Size Class
  - Vehicle Type
  - Vehicle Identification Number
  - Vehicle Make
  - Vehicle Model
  - Vehicle Model Year
  - Engine Serial Number
  - Engine Model Year
  - Engine Horsepower
  - Engine Fuel Type

**ATTACHMENT D**  
**Detailed cost estimate from selected or potential vendors for each proposed expenditure exceeding \$25,000**

DEQ's Clean Fuels program provides reimbursement for proposed projects according to the funding limits and mandatory cost-Share requirements provided by the VW Mitigation . The following attachments are the estimated cost provided in the Applicants applications. Final documentation of actual expenses will be required upon completion of projects listed in the applications prior to reimbursement request.

# Arkansas Clean Fuels Program

version 3.5

(Submission #: HPS-5JFA-KAKHH, version 2)

## Details

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Submitted	3/16/2023 (35 days ago) by Jon Wisniewski
Applicant	Rock Region Metropolitan Transit Authority
Submission ID	HPS-5JFA-KAKHH
Submission Assigned Staff	Mikayla Shaddon
Status	Deemed Complete
Active Steps	Upon approval of the EMAC that includes this project by Trustee, upload approval documentation to "Documents & Attachments" for this submission.

## Form Input

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### Organization

#### Organization

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Please provide the following information about the organization.

**Organization Name**  
Rock Region Metropolitan Transit Authority

**Mailing Address - Line 1**  
901 Maple St.

**Mailing Address - Line 2**  
NONE PROVIDED

**City**  
North Little Rock

**State**  
Arkansas

**Zip Code**

72114

**County**

Pulaski

**Type of Organization**

Local government

**Describe the organization's size and type of work usually performed.**

Rock Region METRO (METRO) is the central Arkansas public transit system in the cities of Little Rock and North Little Rock and in Pulaski County. It comprises five branches: METRO Local, a fixed-route bus service serving Pulaski County; METRO Streetcar, a rail system operating in Little Rock and North Little Rock; METRO Links an on-demand paratransit service; METRO Connect an on-demand ride-sharing service and METRO Pool jobs-access vanpool service. METRO has recently began microtransit service within the city of Conway. METRO employs approximately 220 employees. METRO has a fleet of 58 transit buses, 33 paratransit vans, 17 microtransit vans, and 5 streetcars.

**Congressional District**

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If you do not know your congressional district, click on the Congressional Districts Map below. If the project location spans multiple congressional districts, select the district within which the majority of the project location sits.

[Congressional Districts Map](#)

**Congressional District**

Arkansas's 2nd Congressional District

**Project Manager**

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Please provide the following information about the project manager.

**Project Manager Contact Information****First Name**

Jon

**Last Name**

Wisniewski

**Title**

Grants Accountant

**Phone Type**

Business

**Number**

501-375-6717

**Extension****Email**

jwisniewski@rrmetro.org

**Fax**

NONE PROVIDED

**Signature Document**

Please download the signature form, complete and sign the form, and then upload it below.

[Download Signature Form Here](#)

### Signature

Signature document-v1.pdf - 03/15/2023 04:21 PM

### Comment

None provided

### **Programmatic Capability: Describe any past performance in successfully completing and managing projects similar in size, scope and relevance to the proposed project.**

Since 2015, METRO has purchased 39 CNG buses. Buses are purchased according to Federal Transit Administration (FTA) guidelines. All purchases follow a standard RFP process that results in the lowest possible price. In 2016 and 2018, METRO was awarded two competitive grants totaling \$5,223,498 from the FTA to replace a total of 12 diesel buses that have outlived their useful lives. A recent, related cost-saving tactic that has aided the agency in this endeavor is engaging in a joint bus procurement program with the Arkansas Department of Transportation and other agencies. In 2021, METRO was awarded a FTA competitive low- or no-emission grant totaling \$4,900,000 to purchase five battery electric buses as well as the necessary charging equipment and infrastructure. METRO has a proven record of successfully completing these types of projects.  
(Criteria 4)

## **Project Details (1 of 7)**

### **Transit Bus 2008; Replace**

Answer the following questions for the vehicle to be replaced or repowered. If you have multiple vehicles being replaced or repowered, click the "Add New Project Details" button at the end of this section for each additional vehicle.

### **Vehicle Type**

Transit Bus

### **Describe how, when, and where the vehicle to be replaced/repowered is used.**

This bus is used for fixed route public transit service in Little Rock, North Little Rock, and Pulaski County, AR. It is used 7 days a week. This bus has been operational in Arkansas since 2008. The replacement bus will be operated in Arkansas for 100 percent of its operating time and will be in operation for up to 15 years. The replacement bus will also be CARB and EPA compliant.

### **Select the percentage of time the affected equipment will be operated in Arkansas.**

100%

### **Acronyms**

CNG: Compressed Natural Gas  
LPG: Propane  
EV: All-Electric  
LNG: Liquefied Natural Gas

**Project Type**

Replace

**Replace Type**

Replace with CNG (including renewable landfill gas)

**Vehicle Identification Number**

15GGB271081079588

**Existing Vehicle Make**

Gillig

**Existing Vehicle Model**

Low Floor

**Engine Family Name (Also referred to as Emission Family by some manufacturers)**

9CEXH0540LAE

**Engine Serial Number**

60344659

**Select the engine model year of the vehicle to be repowered or replaced. NOTE: The model year must be within the 1992-2009 range. If the selected date falls outside of that range, then the project is not eligible.**

2008

**Provide the annual miles of the vehicle to be repowered or replaced.**

42775

**Estimated Total Cost**

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Please provide estimates for the costs of the project and scrap value of the engine or vehicle to be replaced as indicated in the fields below.

Please provide a dollar value for the following fields without using symbols, such as the dollar sign (\$), periods (.), or commas (,). For example, the dollar value '\$2,000' should be written as '2000'.

This form will automatically calculate the estimated total cost of your project and the maximum potential funding assistance percentage for your project.

**Estimated Invoice Cost of New Equipment (\$)**

550000

**Estimated Delivery and/or Transportation Costs of the New Equipment (\$)**

1200

**Estimated Installation Costs, if applicable (\$)**

0

**Estimated Scrappage and Disposal Costs (\$)**

0

**Other Costs Related Directly to the Project (\$)**

0

**Sales Tax (\$)**

0

**Scrap Value (\$)**

1000

**Estimated Total Cost Per Vehicle (\$)**

550200

**Project Details (2 of 7)****Transit Bus 2008; Replace**

Answer the following questions for the vehicle to be replaced or repowered. If you have multiple vehicles being replaced or repowered, click the "Add New Project Details" button at the end of this section for each additional vehicle.

**Vehicle Type**

Transit Bus

**Describe how, when, and where the vehicle to be replaced/repowered is used.**

This bus is used for fixed route public transit service in Little Rock, North Little Rock, and Pulaski County, AR. It is used 7 days a week. This bus has been operational in Arkansas since 2008. The replacement bus will be operated in Arkansas for 100 percent of its operating time and will be in operation for up to 15 years. The replacement bus will also be CARB and EPA compliant.

**Select the percentage of time the affected equipment will be operated in Arkansas.**

100%

**Acronyms**

CNG: Compressed Natural Gas

LPG: Propane

EV: All-Electric

LNG: Liquefied Natural Gas

**Project Type**

Replace

**Replace Type**

Replace with CNG (including renewable landfill gas)

**Vehicle Identification Number**

15GGD271681079590

**Existing Vehicle Make**

Gillig

**Existing Vehicle Model**

Low Floor

**Engine Family Name (Also referred to as Emission Family by some manufacturers)**

8CEXH0540LAE

**Engine Serial Number**

46930737

**Select the engine model year of the vehicle to be repowered or replaced. NOTE: The model year must be within the 1992-2009 range. If the selected date falls outside of that range, then the project is not eligible.**

2008

**Provide the annual miles of the vehicle to be repowered or replaced.**

42232

**Estimated Total Cost**

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Please provide estimates for the costs of the project and scrap value of the engine or vehicle to be replaced as indicated in the fields below.

Please provide a dollar value for the following fields without using symbols, such as the dollar sign (\$), periods (.), or commas (,). For example, the dollar value '\$2,000' should be written as '2000'.

This form will automatically calculate the estimated total cost of your project and the maximum potential funding assistance percentage for your project.

**Estimated Invoice Cost of New Equipment (\$)**

550000

**Estimated Delivery and/or Transportation Costs of the New Equipment (\$)**

1200

**Estimated Installation Costs, if applicable (\$)**

0

**Estimated Scrappage and Disposal Costs (\$)**

0

**Other Costs Related Directly to the Project (\$)**

0

**Sales Tax (\$)**

0

**Scrap Value (\$)**

1000

**Estimated Total Cost Per Vehicle (\$)**

550200

**Project Details (3 of 7)****Transit Bus 2008; Replace**

Answer the following questions for the vehicle to be replaced or repowered. If you have multiple vehicles being replaced or repowered, click the "Add New Project Details" button at the end of this section for each additional vehicle.

**Vehicle Type**

Transit Bus

**Describe how, when, and where the vehicle to be replaced/repowered is used.**

This bus is used for fixed route public transit service in Little Rock, North Little Rock, and Pulaski County, AR. It is used 7 days a week. This bus has been operational in Arkansas since 2008. The replacement bus will be operated in Arkansas for 100 percent of its operating time and will be in operation for up to 15 years. The replacement bus will also be CARB and EPA compliant.

**Select the percentage of time the affected equipment will be operated in Arkansas.**

100%

**Acronyms**

CNG: Compressed Natural Gas

LPG: Propane

EV: All-Electric

LNG: Liquefied Natural Gas

**Project Type**

Replace

**Replace Type**

Replace with CNG (including renewable landfill gas)

**Vehicle Identification Number**

15GGD271881079591

**Existing Vehicle Make**

Gillig

**Existing Vehicle Model**

Low Floor

**Engine Family Name (Also referred to as Emission Family by some manufacturers)**

9CEXH0540LAE

**Engine Serial Number**

60336740

Select the engine model year of the vehicle to be repowered or replaced. NOTE: The model year must be within the 1992-2009 range. If the selected date falls outside of that range, then the project is not eligible.

2008

**Provide the annual miles of the vehicle to be repowered or replaced.**

38776

**Estimated Total Cost**

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Please provide estimates for the costs of the project and scrap value of the engine or vehicle to be replaced as indicated in the fields below.

Please provide a dollar value for the following fields without using symbols, such as the dollar sign (\$), periods (.), or commas (,). For example, the dollar value '\$2,000' should be written as '2000'.

This form will automatically calculate the estimated total cost of your project and the maximum potential funding assistance percentage for your project.

**Estimated Invoice Cost of New Equipment (\$)**

550000

**Estimated Delivery and/or Transportation Costs of the New Equipment (\$)**

1200

**Estimated Installation Costs, if applicable (\$)**

0

**Estimated Scrappage and Disposal Costs (\$)**

0

**Other Costs Related Directly to the Project (\$)**

0

**Sales Tax (\$)**

0

**Scrap Value (\$)**

1000

**Estimated Total Cost Per Vehicle (\$)**

550200

**Project Details (4 of 7)****Transit Bus 2008; Replace**

Answer the following questions for the vehicle to be replaced or repowered. If you have multiple vehicles being replaced or repowered, click the "Add New Project Details" button at the end of this section for each additional vehicle.

**Vehicle Type**

Transit Bus

**Describe how, when, and where the vehicle to be replaced/repowered is used.**

This bus is used for fixed route public transit service in Little Rock, North Little Rock, and Pulaski County, AR. It is used 7 days a week. This bus has been operational in Arkansas since 2008. The replacement bus will be operated in Arkansas for 100 percent of its operating time and will be in operation for up to 15 years. The replacement bus will also be CARB and EPA compliant.

**Select the percentage of time the affected equipment will be operated in Arkansas.**

100%

**Acronyms**

CNG: Compressed Natural Gas

LPG: Propane

EV: All-Electric

LNG: Liquefied Natural Gas

**Project Type**

Replace

**Replace Type**

Replace with CNG (including renewable landfill gas)

**Vehicle Identification Number**

15GGD271X81079592

**Existing Vehicle Make**

Gillig

**Existing Vehicle Model**

Low Floor

**Engine Family Name (Also referred to as Emission Family by some manufacturers)**

8CEXH0540LAE

**Engine Serial Number**

46934100

**Select the engine model year of the vehicle to be repowered or replaced. NOTE: The model year must be within the 1992-2009 range. If the selected date falls outside of that range, then the project is not eligible.**

2008

**Provide the annual miles of the vehicle to be repowered or replaced.**

40605

**Estimated Total Cost**

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Please provide estimates for the costs of the project and scrap value of the engine or vehicle to be replaced as indicated in the fields below.

Please provide a dollar value for the following fields without using symbols, such as the dollar sign (\$), periods (.), or commas (,). For example, the dollar value '\$2,000' should be written as '2000'.

This form will automatically calculate the estimated total cost of your project and the maximum potential funding assistance percentage for your project.

**Estimated Invoice Cost of New Equipment (\$)**

550000

**Estimated Delivery and/or Transportation Costs of the New Equipment (\$)**

1200

**Estimated Installation Costs, if applicable (\$)**

0

**Estimated Scrappage and Disposal Costs (\$)**

0

**Other Costs Related Directly to the Project (\$)**

0

**Sales Tax (\$)**

0

**Scrap Value (\$)**

1000

**Estimated Total Cost Per Vehicle (\$)**

550200

**Project Details (5 of 7)****Transit Bus 2008; Replace**

Answer the following questions for the vehicle to be replaced or repowered. If you have multiple vehicles being replaced or repowered, click the "Add New Project Details" button at the end of this section for each additional vehicle.

**Vehicle Type**

Transit Bus

**Describe how, when, and where the vehicle to be replaced/repowered is used.**

This bus is used for fixed route public transit service in Little Rock, North Little Rock, and Pulaski County, AR. It is used 7 days a week. This bus has been operational in Arkansas since 2008. The replacement bus will be operated in Arkansas for 100 percent of its operating time and will be in operation for up to 15 years. The replacement bus will also be CARB and EPA compliant.

**Select the percentage of time the affected equipment will be operated in Arkansas.**

100%

**Acronyms**

CNG: Compressed Natural Gas

LPG: Propane

EV: All-Electric

LNG: Liquefied Natural Gas

**Project Type**

Replace

**Replace Type**

Replace with CNG (including renewable landfill gas)

**Vehicle Identification Number**

15GGB271581079585

**Existing Vehicle Make**

Gillig

**Existing Vehicle Model**

Low Floor

**Engine Family Name (Also referred to as Emission Family by some manufacturers)**

8CEXH0540LAE

**Engine Serial Number**

46934693

**Select the engine model year of the vehicle to be repowered or replaced. NOTE: The model year must be within the 1992-2009 range. If the selected date falls outside of that range, then the project is not eligible.**

2008

**Provide the annual miles of the vehicle to be repowered or replaced.**

43849

**Estimated Total Cost**

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Please provide estimates for the costs of the project and scrap value of the engine or vehicle to be replaced as indicated in the fields below.

Please provide a dollar value for the following fields without using symbols, such as the dollar sign (\$), periods (.), or commas (,). For example, the dollar value '\$2,000' should be written as '2000'.

This form will automatically calculate the estimated total cost of your project and the maximum potential funding assistance percentage for your project.

**Estimated Invoice Cost of New Equipment (\$)**

550000

**Estimated Delivery and/or Transportation Costs of the New Equipment (\$)**

1200

**Estimated Installation Costs, if applicable (\$)**

0

**Estimated Scrappage and Disposal Costs (\$)**

0

**Other Costs Related Directly to the Project (\$)**

0

**Sales Tax (\$)**

0

**Scrap Value (\$)**

1000

**Estimated Total Cost Per Vehicle (\$)**

550200

**Project Details (6 of 7)****Transit Bus 2008; Replace**

Answer the following questions for the vehicle to be replaced or repowered. If you have multiple vehicles being replaced or repowered, click the "Add New Project Details" button at the end of this section for each additional vehicle.

**Vehicle Type**

Transit Bus

**Describe how, when, and where the vehicle to be replaced/repowered is used.**

This bus is used for fixed route public transit service in Little Rock, North Little Rock, and Pulaski County, AR. It is used 7 days a week. This bus has been operational in Arkansas since 2008. The replacement bus will be operated in Arkansas for 100 percent of its operating time and will be in operation for up to 15 years. The replacement bus will also be CARB and EPA compliant.

**Select the percentage of time the affected equipment will be operated in Arkansas.**

100%

**Acronyms**

CNG: Compressed Natural Gas

LPG: Propane

EV: All-Electric

LNG: Liquefied Natural Gas

**Project Type**

Replace

**Replace Type**

Replace with CNG (including renewable landfill gas)

**Vehicle Identification Number**

15GGB271381079584

**Existing Vehicle Make**

Gillig

**Existing Vehicle Model**

Low Floor

**Engine Family Name (Also referred to as Emission Family by some manufacturers)**

8CEXH0540LAE

**Engine Serial Number**

46934103

**Select the engine model year of the vehicle to be repowered or replaced. NOTE: The model year must be within the 1992-2009 range. If the selected date falls outside of that range, then the project is not eligible.**

2008

**Provide the annual miles of the vehicle to be repowered or replaced.**

45195

**Estimated Total Cost**

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Please provide estimates for the costs of the project and scrap value of the engine or vehicle to be replaced as indicated in the fields below.

Please provide a dollar value for the following fields without using symbols, such as the dollar sign (\$), periods (.), or commas (,). For example, the dollar value '\$2,000' should be written as '2000'.

This form will automatically calculate the estimated total cost of your project and the maximum potential funding assistance percentage for your project.

**Estimated Invoice Cost of New Equipment (\$)**

550000

**Estimated Delivery and/or Transportation Costs of the New Equipment (\$)**

1200

**Estimated Installation Costs, if applicable (\$)**

0

**Estimated Scrappage and Disposal Costs (\$)**

0

**Other Costs Related Directly to the Project (\$)**

0

**Sales Tax (\$)**

0

**Scrap Value (\$)**

1000

**Estimated Total Cost Per Vehicle (\$)**

550200

**Project Details (7 of 7)****Transit Bus 2008; Replace**

Answer the following questions for the vehicle to be replaced or repowered. If you have multiple vehicles being replaced or repowered, click the "Add New Project Details" button at the end of this section for each additional vehicle.

**Vehicle Type**

Transit Bus

**Describe how, when, and where the vehicle to be replaced/repowered is used.**

This bus is used for fixed route public transit service in Little Rock, North Little Rock, and Pulaski County, AR. It is used 7 days a week. This bus has been operational in Arkansas since 2008. The replacement bus will be operated in Arkansas for 100 percent of its operating time and will be in operation for up to 15 years. The replacement bus will also be CARB and EPA compliant.

**Select the percentage of time the affected equipment will be operated in Arkansas.**

100%

**Acronyms**

CNG: Compressed Natural Gas

LPG: Propane

EV: All-Electric

LNG: Liquefied Natural Gas

**Project Type**

Replace

**Replace Type**

Replace with CNG (including renewable landfill gas)

**Vehicle Identification Number**

15GGB271981079587

**Existing Vehicle Make**

Gillig

**Existing Vehicle Model**

Low Floor

**Engine Family Name (Also referred to as Emission Family by some manufacturers)**  
9CEXH0540LAE

**Engine Serial Number**  
60337997

**Select the engine model year of the vehicle to be repowered or replaced. NOTE: The model year must be within the 1992-2009 range. If the selected date falls outside of that range, then the project is not eligible.**  
2008

**Provide the annual miles of the vehicle to be repowered or replaced.**  
44327

### **Estimated Total Cost**

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Please provide estimates for the costs of the project and scrap value of the engine or vehicle to be replaced as indicated in the fields below.

Please provide a dollar value for the following fields without using symbols, such as the dollar sign (\$), periods (.), or commas (,). For example, the dollar value '\$2,000' should be written as '2000'.

This form will automatically calculate the estimated total cost of your project and the maximum potential funding assistance percentage for your project.

**Estimated Invoice Cost of New Equipment (\$)**  
550000

**Estimated Delivery and/or Transportation Costs of the New Equipment (\$)**  
1200

**Estimated Installation Costs, if applicable (\$)**  
0

**Estimated Scrappage and Disposal Costs (\$)**  
0

**Other Costs Related Directly to the Project (\$)**  
0

**Sales Tax (\$)**  
0

**Scrap Value (\$)**  
1000

**Estimated Total Cost Per Vehicle (\$)**  
550200

## **Project Overview**

### **Project Physical Location**

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Please provide the street address and county of the project.

#### **Project Address**

901 MAPLE ST

N LITTLE ROCK, AR 72114

#### **County**

Pulaski

#### **Infrastructure Availability**

[Fueling Station backup-v1.pdf - 03/15/2023 04:19 PM](#)

##### **Comment**

Attached is the final invoice for the CNG fueling station as well as applicable compensation milestones with the contract. Pictures included are (in order) CNG Fuel pump, CNG Tanks, CNG Compressor A, CNG Compressor B.

#### **Total Number of Vehicles**

7

#### **Total Project Cost (\$)**

3851400

#### **Maximum Funding Amount That Can Be Requested from DEQ (\$)**

400000

#### **Funding Amount Requested from DEQ (\$)**

400000

#### **My Cost Share (\$)**

3451400

## **Project Milestones**

Please provide estimated dates for completion of project milestones. Typical project steps have been included as defaults below. You can add or remove rows as needed.

Project Step	Estimated Date (MM/DD/YY)
Solicit bids	09/03/2020
Bid awarded	05/18/2021
New equipment/vehicle(s) delivered	07/01/2025

Project Step	Estimated Date (MM/DD/YY)
Vehicle replaced/repowered	8/1/2025
Old equipment scrapped	9/1/2025
Final report to DEQ	10/1/2025

**CORRECTION REQUEST (CORRECTED)****Please clarify anticipated milestone dates.**

Please review and update milestone dates in accordance with program requirements.

Created on 3/16/2023 7:26 AM by **Mikayla Shaddon**

**Describe your approach to achieving project milestones.**

METRO is part of a joint procurement for buses with the Arkansas Department of Transportation that was awarded to the winning proposal at the May 18, 2021 METRO board meeting. METRO purchased eight CNG buses from this procurement that were delivered in 2022 and is able to use this procurement again to exercise an option on the award to purchase buses. The buses will be delivered within a 12-14 month time frame. Outline agreement numbers and vendor number will be provided on all purchase orders as required. METRO will be able to drill the specified hole through the engine block, compromise the frame in house and scrap the bus being replaced. Once the vehicle is scrapped, the final report will be sent to ADEQ within a month. (Criteria 4)

**Project Benefits****Describe how this project will reduce environmental risks to economically-disadvantaged and other populations with disproportionately high and adverse human health or environmental impacts.**

This project will reduce the amount of NOx by 99.2 percent, greenhouse gases by 4.48 percent and fine particulate matter by 48.8 percent produced by diesel buses. This will result in better air quality in and around the River Cities Travel Center (RCTC), where there is a daily concentration of buses that are running 15 routes. This concentration of buses lowers the air quality at the RCTC. In 2019, pre-pandemic, there were 1,719,411 boardings and alightings at the RCTC. In 2020, there were 1,240,900 boardings and alightings at the RCTC, and in 2021, there were 1,422,349 boardings and alightings at the RCTC during a time of reduced service and capacity due to COVID-19. In 2022 and 2023, ridership is increasing as we recover from the pandemic. METRO's ridership is comprised of racial and ethnic minorities with economically disadvantaged backgrounds.

**Describe how this project will reduce environmental risks to the public and sensitive populations.**

This project will replace high mileage, heavy duty diesel transit buses with CNG transit buses. The new CNG buses will reduce NOx emissions by 99.2 percent. METRO provides service throughout Pulaski County, which produces the most NOx emissions in the state with more than 9,000 tons per year. (Criteria 1) This project will also help reduce the emissions by On-Road Diesel Heavy Duty Vehicles, the largest NOx producer by vehicle type in the state at 39 percent of NOx emissions. Of the Diesel-powered emissions in Arkansas, On-road Diesel Heavy Duty Vehicles, which transit buses are included in, produce 54 percent of emissions.

Replacing the diesel buses with CNG buses will lower the environmental risks of the current diesel buses that contribute to inflammation of the airways, respiratory conditions, reduced lung function and increased response to allergens. The majority of METRO's customers are made up of individuals from sensitive populations. This project will reduce the amount of NOx emissions by 99.2 percent, greenhouse gas emissions by 4.48 percent, and fine particulate matter emissions by 48.8 percent. The benefits for the region's air quality are shared by all who live in Pulaski County. CNG buses are also up to ten decibels quieter than a diesel bus. (Criteria 3)

**Describe how the project will contribute to the widespread adoption of alternative fuels and advance the establishment of alternative fuel corridors.**

This project will give CNG a greater visible presence in central Arkansas. All of the CNG buses proudly state in large lettering that they are powered by CNG. METRO has also participated in the statewide CNG rally that promotes using CNG as a source for clean energy. Recently, METRO welcomed members of the Clean Cities Coalition to a tour of its CNG buses and CNG

facilities. The current on-site CNG fueling only has the capacity to fuel approximately 45 vehicles. As the diesel bus fleet is replaced with CNG buses, the capacity of this facility will be upgraded to have the capacity to fuel at least 59 buses. Giving public access to the facility will be a possibility at that time. METRO facilities are located within a half-mile from Interstate 30 in

North Little Rock. METRO has successfully operated its CNG fueling station for more than seven years. During this time, METRO has purchased gas from suppliers within the state, bolstering the Arkansas business landscape for natural gas suppliers by being a stable purchaser of a more environmentally friendly fuel.

## Attachments

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Date	Attachment Name	Context	User
3/15/2023 4:21 PM	Signature document-v1.pdf	Attachment	Jon Wisniewski
3/15/2023 4:19 PM	Fueling Station backup-v1.pdf	Attachment	Jon Wisniewski

## Internal Data

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Label	Value
Completeness Check	03/16/2023
Application Complete	Yes
Application Scored	03/20/2023
Application Score	72.5
Application Recommended for Funding	Yes
MOA Executed	
Reimbursement Packet Received	
Payment Sent	

## Status History

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	User	Processing Status
3/16/2023 10:38:09 AM	Jon Wisniewski	Draft
3/16/2023 11:33:30 AM	Jon Wisniewski	Submitting
3/16/2023 11:33:51 AM	Jon Wisniewski	Submitted
3/20/2023 3:00:38 PM	Mikayla Shaddon	Deemed Complete

## Audit

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Event	Event Description	Event By	Event Date
Submission Locked	Submission Locked	Mikayla Shaddon	3/16/2023 7:03 AM
Submission Unlocked	Submission Unlocked	Mikayla Shaddon	3/16/2023 7:34 AM

## Processing Steps

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Step Name	Assigned To/Completed By	Date Completed
Submit Form	Jon Wisniewski	3/16/2023 11:33:51 AM
Ensure that all steps have been assigned to the appropriate staff member	Mikayla Shaddon	3/16/2023 7:03:30 AM

Step Name	Assigned To/Completed By	Date Completed
Set Submission Assigned Staff in Internal Controls	Mikayla Shaddon	3/16/2023 7:03:39 AM
Select Begin Review to Lock the Submission	Mikayla Shaddon	3/16/2023 7:03:56 AM
Application Completeness and Eligibility Review -If more information is needed or the project is ineligible, insert ineligible or incomplete work flow template between this step and the next step. If complete and eligible, proceed to the next step.	Mikayla Shaddon	3/20/2023 3:00:38 PM
Score application using application evaluation criteria specified in the Applicant Guide	Mikayla Shaddon	3/20/2023 3:01:57 PM
Add score to internal data	Mikayla Shaddon	3/20/2023 3:01:59 PM
After reviewing all applications received, proceed with the next steps if this application is recommended for funding. Otherwise, delete remaining steps and insert "Not recommended" workflow.	Mikayla Shaddon	3/20/2023 3:02:10 PM
Prepare EMAC; multiple projects of same EMA Type can be combined in single EMAC. Route EMAC via P&P Routing Form.	Deiona McKnight	4/17/2023 3:24:10 PM
Notification of Award Recommendation	Mikayla Shaddon	4/17/2023 3:25:26 PM
Upon approval of the EMAC that includes this project by Trustee, upload approval documentation to "Documents & Attachments" for this submission.	Deiona McKnight	
Prepare and route MOA and cover letter via P&P Routing Form	Mikayla Shaddon	
Attach MOA Signed by all parties to the Submission	Mikayla Shaddon	
Send MOA signed by all parties to the applicant.	Mikayla Shaddon	
Add MOA # to Internal Data	Mikayla Shaddon	
Change the Submission Status to "Issued"	Mikayla Shaddon	

## Revisions

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Revision	Revision Date	Revision By
Revision 1	3/15/2023 3:28 PM	Jon Wisniewski
Revision 2	3/16/2023 10:38 AM	Jon Wisniewski