

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 02/13)

CALIFORNIA ENERGY COMMISSION



New Agreement _____ (To be completed by CGL Office)

Division	Agreement Manager:	MS-	Phone
600 Fuels and Transportation Division	Akasha Kaur Khalsa	27	916-657-4854

Recipient's Legal Name	Federal ID Number
Bonita Unified School District	95-6000942

Title of Project
Bonita Unified School District New Fleet CNG Fueling Station

Term and Amount	Start Date	End Date	Amount
	07 / 01 / 13	06 / 30 / 15	\$ 300,000

Business Meeting Information
 ARFVTP agreements under \$75K delegated to Executive Director.

Proposed Business Meeting Date	05 / 08 / 2013	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Akasha Kaur Khalsa	Time Needed:	5 minutes

Please select one list serve. Altfuels (AB118- ARFVTP)

Agenda Item Subject and Description

Possible approval of grant agreement XXX with the Bonita Unified School District for \$300,000 for a new compressed natural gas (CNG) fueling station in the existing school bus parking lot which will provide both time-fill and fast-fill CNG fueling needs for school buses and maintenance vehicles. Fleet miles traveled will be reduced by 16,000 per year by avoiding trips for fueling off campus.

California Environmental Quality Act (CEQA) Compliance

- Is Agreement considered a "Project" under CEQA?
 - Yes (skip to question 2) No (complete the following (PRC 21065 and 14 CCR 15378)):
 - Explain why Agreement is not considered a "Project":
 - Agreement will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because .
 - If Agreement is considered a "Project" under CEQA:
 - a) Agreement **IS** exempt. (Attach draft NOE)
 - Statutory Exemption. List PRC and/or CCR section number:
 - Categorical Exemption. List CCR 15332 Infill development (in existing Bus Maintenance Yard) section number:
 - Common Sense Exemption. 14 CCR 15061 (b) (3)
 - Explain reason why Agreement is exempt under the above section:
 - b) Agreement **IS NOT** exempt. (Consult with the legal office to determine next steps.)
- Check all that apply
- | | |
|---------------------------------------------------------|-----------------------------------------------------------------|
| <input type="checkbox"/> Initial Study | <input type="checkbox"/> Environmental Impact Report |
| <input type="checkbox"/> Negative Declaration | <input type="checkbox"/> Statement of Overriding Considerations |
| <input type="checkbox"/> Mitigated Negative Declaration | |

List all subcontractors (major and minor) and equipment vendors: (attach additional sheets as necessary)

Legal Company Name:	Budget
Clean Fuel Connections, Inc.	\$ 0
Mansfield Gas Equipment Systems Corp.	\$ 0
	\$ 0

List all key partners: (attach additional sheets as necessary)

Legal Company Name:
Southern California Gas Company

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Budget Information			
Funding Source	Funding Year of Appropriation	Budget List No.	Amount
ARFVTF	12-13	601.118D	\$300,000
Funding Source			\$
R&D Program Area:	Select Program Area	TOTAL:	\$300,000
Explanation for "Other" selection			
Reimbursement Contract #:		Federal Agreement #:	

Recipient's Administrator/ Officer				Recipient's Project Manager			
Name:	Ann Sparks	x5200		Name:	David Randall	x5260	
Address:	Bonita Unified School District 115 W. Allen Ave.			Address:	Bonita Unified School District 115 W. Allen Ave.		
City, State, Zip:	San Dimas, CA 91773			City, State, Zip:	San Dimas, CA 91773		
Phone:	909-971-8320	Fax:	- -	Phone:	909-971-8200	Fax:	- -
E-Mail:	sparks@Bonita.k12.ca.us			E-Mail:	Randall@Bonita.k12.ca.us		

Selection Process Used	
<input checked="" type="checkbox"/> Competitive Solicitation	Solicitation #: PON-11-602
<input type="checkbox"/> First Come First Served Solicitation	

The following items should be attached to this GRF	
1. Exhibit A, Scope of Work	<input checked="" type="checkbox"/> Attached
2. Exhibit B, Budget Detail	<input checked="" type="checkbox"/> Attached
3. CEC 105, Questionnaire for Identifying Conflicts	<input checked="" type="checkbox"/> Attached
4. Recipient Resolution	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> Attached
5. CEQA Documentation	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> Attached

Agreement Manager_____
Date_____
Office Manager_____
Date_____
Deputy Director_____
Date

Exhibit A Scope of Work

TECHNICAL TASK LIST

Task #	CPR	Task Name
1	N/A	Agreement Management
2	N/A	Site Preparations (upgrade electrical and natural gas supply)
3	X	Equipment Installation
4	N/A	Commission and Operate Natural Gas Fueling Infrastructure
5	N/A	Data Collection and Analysis

KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	Ann Sparks, Tom Davis, Mike Phillips, and David Randall, BUSD	N/A	
2	Ann Sparks, Tom Davis, Mike Phillips, and David Randall, BUSD	TBD	Southern California Gas Co.
3	Ann Sparks, Tom Davis, Mike Phillips, and David Randall, BUSD	TBD	
4	Ann Sparks, Tom Davis, Mike Phillips, and David Randall, BUSD	TBD	
5	Ann Sparks, Tom Davis, Mike Phillips, and David Randall, BUSD	N/A	

GLOSSARY

Specific terms and acronyms used throughout this work scope are defined as follows:

Acronym	Definition
BUSD	Bonita Unified School District
CAM	Commission Agreement Manager
CNG	Compressed Natural Gas
CPR	Critical Project Review
ARFVT	Alternative and Renewable Fuel and Vehicle Technology
FTD	Fuels and Transportation Division
GHG	Greenhouse Gas

Background:

Assembly Bill 118 (Núñez, Chapter 750, Statutes of 2007), created the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVT Program). The statute, subsequently amended by AB 109 (Núñez) Chapter 313, Statutes of 2008), authorizes the Energy Commission to develop and deploy alternative and renewable fuels and advanced transportation technologies to help attain the state's climate change policies. The Energy Commission has an annual program budget of approximately \$100 million and provides financial support for projects that:

- Develop and improve alternative and renewable low-carbon fuels;
- Optimize alternative and renewable fuels for existing and developing engine technologies;
- Produce alternative and renewable low-carbon fuels in California;
- Decrease, on a full fuel cycle basis, the overall impact and carbon footprint of alternative and renewable fuels and increase sustainability;
- Expand fuel infrastructure, fueling stations, and equipment; Attorney Client Privilege
- Improve light-, medium-, and heavy-duty vehicle technologies;
- Retrofit medium- and heavy-duty on-road and non-road vehicle fleets;
- Expand infrastructure connected with existing fleets, public transit, and transportation corridors; and
- Establish workforce training programs, conduct public education and promotion, and create technology centers.

The California Energy Commission issued solicitation PON-11-602 to provide funding opportunities under the ARFVT Program for projects which develop infrastructure necessary to store, distribute, and dispense electricity, E-85, propane, diesel substitutes, and natural gas. To be eligible for funding under PON-11-602, the projects must also be consistent with the Energy Commission's ARFVT Investment Plan updated annually. In response to PON-11-602, the Recipient submitted application #153, which was proposed for funding in the Energy Commission's Notice of Proposed Award issued on April 24, 2012. Bonita Unified School District's application is incorporated by reference to this Agreement in its entirety.

In the event of any conflict or inconsistency between the terms of the Solicitation and the terms of the Recipient's Application, the Solicitation shall control. In the event of any conflict or inconsistency between the Recipient's Application and the terms of the Energy Commission's Award, the Commission's Award shall control. Similarly, in the event of any conflict or inconsistency between the terms of this Agreement and the Recipient's Application, the terms of this Agreement shall control.

Problem Statement:

Air pollution and climate change are increased by the exhaust of transportation fuels. Old diesel school buses make the air worse than lower emission natural gas buses where it is most critical to health, around school age children. Replacement of aged diesel with natural gas fueled school buses continues to be a high priority to the South

Coast Air Quality Management District to protect respiratory health and environmental stability.

The Bonita Unified School District (District) currently fuels the District's 11 CNG buses at off-site locations approximately 9-miles distant from the district. This places an additional labor cost and mileage burden on the District. It also requires drivers to fuel more frequently to ensure that each bus has sufficient fuel to complete a full day of route work, plus a field trip. This situation is becoming increasingly burdensome.

Under the recent budget constraints on school districts statewide, the District has identified two ways to reduce operating costs. The first is changing from diesel to compressed natural gas (CNG) fuel in school buses because the fuel itself is much cheaper. Second is fueling on-site with the newer type of infrastructure. Although fueling CNG buses at fast-fill stations is relatively fast, each bus driver has to be paid during the fueling. CNG time-fill fueling is unattended, therefore has less staff expense.

One new CNG bus will be acquired in 2013 and 2 more in the near future, so 7 fueling posts with 2 hoses each are sought for future fueling needs of the BUSD's CNG fleet. Owning the fueling station gives the District energy security and reduces staff time because the CNG fleet will fill overnight, on-site, without an attendant while the buses are parked. When the fueling station is completed, the District will reduce 16,000 miles per year vehicle miles traveled and emissions from the daily off-site fueling trips of 11 CNG buses.

Goals of the Agreement:

The goal of this project is to construct an on-site, state-of-the-art CNG fueling system with both time-fill and fast-fill capability such that each bus has its own fueling hose that will meet the current and near future CNG fueling needs of the District.

Objectives of the Agreement:

The objective of this project is to construct a new CNG station with seven fueling posts with dual hoses.

TASK 1 ADMINISTRATION

Task 1.1 Attend Kick-off Meeting

The goal of this task is to establish the lines of communication and procedures for implementing this Agreement. The administrative and technical aspects of this Agreement will be discussed at the meeting. Prior to the kick-off meeting, the Commission Agreement Manager (CAM) will provide an agenda to all potential meeting participants and designate the date and location of this meeting.

The CAM shall:

- Designate the date and location of the Kick-Off Meeting.
- Invite the CEC Grants Officer, a CEC Accounting Office representative and others.
- Provide the Kick-Off Meeting Agenda

The Recipient shall:

- Attend a Kick-Off Meeting at the invitation of the CAM
 - The Recipient shall bring its Project Manager, Agreement Administrator, Accounting Officer, and others designated by the CAM to this meeting.
 - The administrative portion of the meeting shall include, but not be limited to, discussion of the following:
 - Agreement terms and conditions
 - Critical Project Review (Task 1.2)
 - Match fund documentation (Task 1.6).
 - Permit documentation required (Task 1.7)
 - Subcontracts needed to carry out project (Task 1.8)
 - The technical portion of the meeting shall include, but not be limited to, discussion of the following:
 - The Commission Agreement Manager's expectations for accomplishing tasks described in the Scope of Work
 - An updated Schedule of Products
 - Monthly Progress Reports (Task 1.4)
 - Technical Products (Product Guidelines located in Section 5 of the Terms and Conditions)
 - Final Report requirements(Task 1.5)
- Update the Schedule of Products.
- Update the List of Match Funds.
- Update the List of Permits.

Recipient Products:

- Updated Schedule of Products
- Updated List of Match Funds
- Updated List of Permits

CAM Product:

- Kick-Off Meeting Agenda

Task 1.2 Critical Project Review (CPR) Meetings

CPRs provide the opportunity for frank discussions between the Energy Commission and the Recipient. The goal of this task is to determine if the project should continue to receive Energy Commission funding to complete this Agreement and to identify any needed modifications to the tasks, products, schedule or budget.

The CAM may schedule CPR meetings as necessary, and meeting costs will be borne by the Recipient.

Participants include the CAM and the Recipient and may include the Commission Grants Officer, the Fuels and Transportation Division (FTD) team lead, other Energy Commission staff and Management as well as other individuals selected by the CAM to provide support to the Energy Commission.

The CAM shall:

- Determine the location, date, and time of each CPR meeting with the Recipient. These meetings generally take place at the Energy Commission, but they may take place at another location.
- Send the Recipient the agenda and a list of expected participants in advance of each CPR. If applicable, the agenda shall include a discussion on both match funding and permits.
- Conduct and make a record of each CPR meeting. One of the outcomes of this meeting will be a schedule for providing the written determination described below.
- Determine whether to continue the project, and if continuing, whether or not modifications are needed to the tasks, schedule, products, and/or budget for the remainder of the Agreement. Modifications to the Agreement may require a formal amendment (please see the Terms and Conditions, Section 8). If the CAM concludes that satisfactory progress is not being made, this conclusion will be referred to the Lead Commissioner for Transportation for his or her concurrence.
- Provide the Recipient with a written determination in accordance with the schedule. The written response may include a requirement for the Recipient to revise one or more product(s) that were included in the CPR.

The Recipient shall:

- Prepare a CPR Report for each CPR that discusses the progress of the Agreement toward achieving its goals and objectives. This report shall include recommendations and conclusions regarding continued work on the projects. This report shall be submitted along with any other products identified in this scope of work. The Recipient shall submit these documents to the CAM and any other designated reviewers at least 15 working days in advance of each CPR meeting.
- Present the required information at each CPR meeting and participate in a discussion about the Agreement.

CAM Products:

- Agenda and a list of expected participants
- Schedule for written determination
- Written determination

Recipient Product:

- CPR Report(s)

Task 1.3 Final Meeting

The goal of this task is to closeout this Agreement. This meeting will be attended by, at a minimum, the Recipient, the Commission Grants Office Officer, and the Commission Agreement Manager. The CAM will determine the appropriate meeting participants. The final meeting must be completed during the closeout of this Agreement, before the End Date. The technical and administrative aspects of Agreement closeout will be discussed at the meeting, which may be two separate meetings at the discretion of the Commission Agreement Manager. Prior to the meeting, the CAM will provide an agenda to all potential meeting participants and designate the date and location of this meeting.

The CAM shall:

- Designate the date and location of this meeting.
- Invite the CEC Grants Officer and others.
- Provide the Final Meeting Agenda
 - The administrative portion of the meeting shall include, but not be limited to, discussion of the following closeout items:
 - Schedule for closing the agreement
 - Final invoicing and release of retention schedule
 - Match fund documentation (Task 1.6).
 - Prevailing Wages reporting (Special T&C)
 - End date of reimbursable work
 - Status of the Final Report (Task 1.5)
 - Status of Subcontracts (Task 1.8)
 - Surviving Agreement provisions
 - Any equipment purchased with Energy Commission funds is the property of Recipient (Options)
 - Energy Commission's request for specific "generated" data (not already provided in Agreement products) (Task 4)
 - Recommendations for program improvements
 - The technical portion of the meeting shall include, but not be limited to, discussion of the following:

- Results
- The Recipient's assessment of the degree to which project and task goals and objectives were achieved,
- Recommend next steps (if any) for the technical work

The Recipient shall:

- Invite Recipient Project Manager, Recipient Agreement Administrator, Recipient Accounting Officer, and others designated by the CAM to this meeting.
- Attend Final Meeting(s) at the invitation of the CAM
- Discuss closeout items.
- Prepare a schedule for completing the closeout activities for this Agreement.
- Make recommendations for improvements.
- Present technical findings, conclusions, and recommendations.
 - Illustrate the results with photos and graphs in a PowerPoint.

Recipient Products:

- Presentation of findings, conclusions, and recommendations
- Written documentation of meeting agreements
- Schedule for completing closeout activities

CAM Product:

- Final Meeting Agenda

Task 1.4 Monthly Progress Reports

The goal of this task is to periodically verify that satisfactory and continued progress is made towards achieving the research objectives of this Agreement on time and within budget.

The objectives of this task are to summarize activities performed during the reporting period, to identify activities planned for the next reporting period, to identify issues that may affect performance and expenditures, and to form the basis for determining whether invoices are consistent with work performed.

The Recipient shall:

- Prepare a Monthly Progress Report which summarizes all Agreement activities conducted by the Recipient for the reporting period, including an assessment of the ability to complete the Agreement within the current budget and any anticipated cost overruns.
- Submit each progress report to the CAM within 10 days of the end of the reporting period.
- Follow the recommended specifications for each progress report contained in Section 6 of the Terms and Conditions of this Agreement.
- In the first Monthly Progress Report and first invoice, document and verify match expenditures and provide a synopsis of project progress, if match

funds have been expended or if work funded with match share has occurred after the notice of proposed award but before execution of the grant agreement. If no match funds have been expended or if no work funded with match share has occurred before execution, then state this in the report. All pre-execution match expenditures must conform to the requirements in the Terms and Conditions of this Agreement.

Product:

- Monthly Progress Reports

Task 1.5 Final Report

The goal of the Final Report is to assess the project's success in achieving its goals and objectives, advancing science and technology, and providing energy-related and other benefits to California.

The objectives of the Final Report are to clearly and completely describe the project's purpose, approach, activities performed, results, and advancements in science and technology; to present a public assessment of the success of the project as measured by the degree to which goals and objectives were achieved; to make insightful observations based on results obtained; to draw conclusions; and to make recommendations for further projects and improvements to the FTD project management processes.

The Final Report shall be a public document.

The Recipient shall:

- Prepare an Outline of the Final Report (if requested).
- Prepare a Final Report following the approved outline and the latest version of the Final Report guidelines which will be provided by the Commission Agreement Manager. The CAM shall provide written comments on the Draft Final Report within fifteen (15) working days of receipt. The Final Report must be completed at least 60 days before the end of the Agreement Term.
- Submit one bound copy of the Final Report with the final invoice.

Products:

- Draft Outline of the Final Report
- Draft Final Report
- Final Report

Task 1.6 Identify and Obtain Matching Funds

The goal of this task is to ensure that the match funds planned for this Agreement are obtained for and applied to this Agreement during the term of this Agreement.

The costs to obtain and document match fund commitments are not reimbursable through this Agreement. Although the Energy Commission budget for this task will be zero dollars, the Recipient may utilize match funds for this task. Match funds shall be

spent concurrently or in advance of Energy Commission funds for each task during the term of this Agreement. Match funds must be identified in writing and the associated commitments obtained before the Recipient can incur any costs for which the Recipient will request reimbursement.

The Recipient shall:

- Since the recipient has agreed (as an option) to use match funds, they shall prepare a letter documenting the match funding committed to this Agreement and submit it to the Commission Agreement Manager at least 2 working days prior to the kick-off meeting. The recipient shall provide in the letter a list of the match funds that identifies the:
 - Amount of each cash match fund, its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied.
 - Amount of each in-kind contribution; a description; documented market or book value, and, in the case of land, the appraisal; and its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied. If the in-kind contribution is equipment or other tangible or real property, the Recipient shall identify its owner and provide a contact name, address and telephone number, and the address where the property is located.
- Provide a copy of the letter of commitment from an authorized representative of each source of cash match funding or in-kind contributions that these funds or contributions have been secured. For match funds provided by a grant a copy of the executed grant shall be submitted in place of a letter of commitment.
- Discuss match funds and the implications to the Agreement if they are reduced or not obtained as committed, at the kick-off meeting. If applicable, match funds will be included as a line item in the progress reports and will be a topic at CPR meetings.
- Provide the appropriate information to the Commission Agreement Manager if during the course of the Agreement additional match funds are received.
- Notify the Commission Agreement Manager within 10 days if during the course of the Agreement existing match funds are reduced. Reduction in match funds must be approved through a formal amendment to the Agreement and may trigger an additional CPR.

Products:

- A letter regarding match funds or stating that no match funds are provided
- Copy(ies) of each match fund commitment letter(s) (if applicable)
- Letter(s) for new match funds (if applicable)
- Letter that match funds were reduced (if applicable)

Task 1.7 Identify and Obtain Required Permits

The goal of this task is to obtain all permits required for work completed under this Agreement in advance of the date they are needed to keep the Agreement schedule on track.

Permit costs and the expenses associated with obtaining permits are not reimbursable under this Agreement. Although the Energy Commission budget for this task will be zero dollars, the Recipient shall budget match funds for any expected expenditures associated with obtaining permits. Permits must be identified in writing and obtained before the Recipient can make any expenditure for which a permit is required.

The Recipient shall:

- Prepare a letter documenting the permits required to conduct this Agreement and submit it to the CAM at least 2 working days prior to the kick-off meeting. If there are no permits required at the start of this Agreement, then state such in the letter. If it is known at the beginning of the Agreement that permits will be required during the course of the Agreement, provide in the letter:
 - A list of the permits that identifies the:
 - Type of permit
 - Name, address and telephone number of the permitting jurisdictions or lead agencies
 - The schedule the Recipient will follow in applying for and obtaining these permits.
- Discuss the list of permits and the schedule for obtaining them at the kick-off meeting and develop a timetable for submitting the updated list, schedule and the copies of the permits. The implications to the Agreement if the permits are not obtained in a timely fashion or are denied will also be discussed. If applicable, permits will be included as a line item in the Progress Reports and will be a topic at CPR meetings.
- If during the course of the Agreement additional permits become necessary, provide the appropriate information on each permit and an updated schedule to the Commission Agreement Manager.
- As permits are obtained, send a copy of each approved permit to the Commission Agreement Manager.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the CAM within 5 working days. Either of these events may trigger an additional CPR.

Products:

- Letter documenting the permits or stating that no permits are required
- A copy of each approved permit (if applicable)
- Updated list of permits as they change during the term of the Agreement (if applicable)
- Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)
- A copy of each approved final permit (if applicable)

Task 1.8 Manage Subcontracts

The goal of this task is to ensure quality products and to procure subcontracts required to carry out the tasks under this Agreement consistent with the terms and conditions of this Agreement and the Recipient's own procurement policies and procedures. It will also provide the Energy Commission an opportunity to review the subcontracts to ensure that the tasks are consistent with this Agreement, that the budgeted expenditures are reasonable and consistent with applicable cost principles.

The Recipient shall:

- Manage and coordinate subcontractor activities.
- Submit a draft of each subcontract required to conduct the work under this Agreement to the CAM for review.
- Submit a final copy of the executed subcontract.
- Notify the CAM each time new subcontractors are added.

Products:

- Draft subcontracts
- Final subcontracts

TECHNICAL TASKS**TASK 2 SITE PREPARATIONS**

The goal of this task is to prepare the project for installation of equipment for the natural gas fueling facility.

The Recipient shall:

- Complete design work for proposed facility.
- Complete necessary facility modifications and construction including, but not limited to:
 - Electrical supply
 - High speed internet connection (if needed for remote monitoring)
 - Natural gas supply
- Prepare and submit a Site Preparation Report documenting the readiness of the site for equipment installation.

Products:

- Site Preparation Report

TASK 3 EQUIPMENT INSTALLATION

The Recipient shall ensure that the subcontractor installs the materials/equipment identified in the grant agreement budget. A list of the equipment installed shall be documented in the monthly progress report submitted under this agreement to verify installation progress. Recipients shall work with the assigned Energy Commission Project Manager to ensure sufficient verification is provided.

A Critical Project Review (CPR) Meeting will be held during this Task. See Task 1.2 for details.

The Recipient shall:

- Procure and install natural gas fueling infrastructure equipment.
- Prepare and submit an "Equipment Installation Report" that summarizes work performed, any problems encountered and how they were solved.
- Photograph installed equipment and submit labeled photos electronically.

Products:

- Equipment Installation Report
- Photographs of installed equipment, submitted electronically

TASK 4 COMMISSION AND OPERATE NATURAL GAS FUELING INFRASTRUCTURE

The goal of this task is to commission the project to ensure that the compressors, dispensing units and the whole facility are operating correctly; and to operate and provide fueling to natural gas vehicles with the new equipment.

The Recipient shall:

- Run appropriate tests on installed equipment to ensure proper operation.
- Troubleshoot any issues that arise during testing.
- Obtain any appropriate local agency inspections and approvals for the natural gas fueling facility.
- Begin operating fueling facility for natural gas vehicles.
- Prepare and submit a letter to the CAM that summarizes the results of tests performed on equipment, actions taken to troubleshoot any issues that arose during testing, documentation of agency approvals, if any, and confirmation that the natural gas fueling facility has commenced operating with new equipment.

Products:

- Operations start-up letter to CAM

Task 5 DATA COLLECTION AND ANALYSIS

The goal of this task is to collect operational data from the project, to analyze that data for economic and environmental impacts, and to include the data and analysis in the Final Report.

The Recipient shall:

- Analyze fueling station performance
- Troubleshoot any issues identified.
- Develop data collection test plan.
- Collect 6 months of throughput, usage, and operations data from the project including, but not limited to:
 - Maximum capacity of the new fueling system
 - Therms as documented by utility bills
 - Compressor
 - Run time
 - Capacity in Standard Cubic Feet per Minute (SCFM)
 - Electricity usage estimate
 - Approximate number of vehicles fueled per day by size of bus
 - Approximate number of days per year vehicles fueled by size of bus
 - Annual mileage per bus
 - Show formula and tell source of formula for calculation of gallons of diesel fuel displaced by using natural gas (with associated mileage information)
 - Expected air emissions reduction including, but not limited to the list below, using Energy Commission staff papers as preferred source, and DOE estimates acceptable, showing formula.
 - Non-methane hydrocarbons
 - Oxides of nitrogen
 - Non-methane hydrocarbons plus oxides of nitrogen
 - Particulate matter
 - Carbonyls including formaldehyde
 - Duty cycle of the current fleet and the expected duty cycle of future vehicle acquisitions
 - Cost savings of staff time
 - Specific District job creation, job training, and economic development resulting from this project
- Provide data on changes to state revenue as a result of both the project itself and expected future changes such as sales tax on purchase of new CNG buses and loss of diesel fuel taxes.
- Identify any current and planned use of renewable energy at the facility.
- Identify the source of the alternative fuel.
- Describe any energy efficiency measures used in the facility that may exceed Title 24 standards in Part 6 of the California Code Regulations.

- Compare any project performance and expectations provided in the proposal to Energy Commission with actual project performance and accomplishments.

Products:

- Data collection information and analysis will be included in the Final Report, see Task 1.5.