

New Agreement ARV-12-060 (To be completed by CGL Office)

Division	Agreement Manager:	MS-	Phone
600 Fuels and Transportation Division	LINDSEE TANIMOTO	27	916-654-4566

Recipient's Legal Name	Federal ID Number
Waste Management of California, Inc.	-

Title of Project

Term and Amount	Start Date	End Date	Amount
	06 / 21 / 2013	02 / 27 / 2015	\$ 300,000

Business Meeting Information

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

Proposed Business Meeting Date	06 / 12 / 2013	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	LINDSEE TANIMOTO	Time Needed:	5 minutes

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

Agenda Item Subject and Description

Possible approval of Agreement ARV-12-060 with Waste Management of California, Inc., for a \$300,000 grant to construct a compressed natural gas fueling station. This station will support the fuel requirements of the existing and planned expansion of refuse collection, transfer vehicles, and other fleets in the region. This project is projected to displace 382,200 gallons of imported diesel fuel per year and reduce transportation related greenhouse gas emissions by over 1,373 metric tons per year in the air basin.

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 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
 - Initial Study
 - Negative Declaration
 - Mitigated Negative Declaration
 - Environmental Impact Report
 - Statement of Overriding Considerations

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

Legal Company Name:	Budget
	\$ 0
	\$ 0
	\$ 0

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

Legal Company Name:

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 02/13)

CALIFORNIA ENERGY COMMISSION



Budget Information			
Funding Source	Funding Year of Appropriation	Budget List No.	Amount
ARFVTF	12/13	601.118D	\$300,000.00
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:	Sean Turner			Name:	Ronald Pope		
Address:	2525 Ocean Park Blvd., Suite 200			Address:	7025 N. Scottsdale Road, Suite 200		
City, State, Zip:	Santa Monica, CA 90405			City, State, Zip:	Scottsdale, AZ 85253		
Phone:	310-894-1534	Fax:	- -	Phone:	480-624-8448	Fax:	713-427-7057
E-Mail:				E-Mail:			

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 checked="" type="checkbox"/> N/A	<input 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		Administration
2	X	Design System - Engineering and Preconstruction
3		Equipment Delivery and Installation
4		System Start-Up and Commissioning into Service
5		Public Outreach
6		Data Collection and Performance Assessment

KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partners
1	Ronald Pope		
2	Ronald Pope		
3	Ronald Pope		
4	Ronald Pope		
5	Ronald Pope		
6	Ronald Pope		

GLOSSARY

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

Term/ Acronym	Definition
ARFVT	Alternative and Renewable Fuel and Vehicle Technology
Energy Commission	California Energy Commission
CNG	Compressed Natural Gas
CPR	Critical Project Review
FTD	Fuels and Transportation Division
Recipient or WM	Waste Management of California, Inc.

Background:

Assembly Bill 118 (Núñez, Chapter 750, Statutes of 2007), created the Alternative and Renewable Fuel and Vehicle Technology (ARFVT) Program. The statute, subsequently amended by AB 109 (Núñez) Chapter 313, Statutes of 2008), authorizes the California Energy Commission (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;
- 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 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 annual ARFVT Investment Plan. In response to PON-11-602, Waste Management (Recipient) submitted proposal number 12, which was proposed for funding in the Energy Commission's April 24, 2012 Notice of Proposed Awards. The recipient's proposal 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:

The primary barrier to natural gas vehicle deployment is the lack of supporting infrastructure. While there is some existing natural gas fueling in the North County San Diego region, there are limited fueling options, thereby creating an enormous barrier for the adoption or expansion of natural gas advanced technologies by WM's large and expanding CNG fleet in Oceanside. The Oceanside station will provide a convenient source of fuel for WM's fleet. WM has made a long-term commitment to convert its fleet vehicles to natural gas nationwide, and has constructed dozens of such stations in California and throughout the country. Furthering its dedication to the alternative fuel, the company recently finalized a 10-year hauling agreement with the City of Oceanside that includes commitment to use CNG refuse collection vehicles at its facilities. Currently, the CNG trucks that WM operates at this site are forced to fuel at the only other local public station that is nearly five miles from WM's facility. Fueling is not available to WM's vehicles without planning unnecessary trips outside of normal operations, adding significant cost and inconvenience. WM's plan to operate a total of

42 heavy-duty natural gas vehicles at this site alone will not be possible without Energy Commission support to build this station.

These barriers have not been previously addressed given the significant financial investment and operational commitment required to engineer, construct, and operate a natural gas fueling station. There is a lack of knowledge of best practices especially for an operator who hasn't used natural gas operations in the past and whose core business is not fueling station development or operation.

Goals of the Agreement

The goal of this project is to successfully implement a public access CNG fueling station in North County San Diego region in order to:

- Provide California with the ability to achieve its goals as outlined in AB 32, the Global Warming Solutions Act of 2006, and the Low Carbon Fuel Standard;,
- Provide a clean, reliable, cost-efficient, and domestically produced source of fuel for transportation and encourage market development for natural gas vehicles;
- Provide a model for goods movement operators, municipal fleets, school districts, and water agencies to adopt or expand the use of their natural gas advanced technologies;
- Serve as a demonstration of the feasibility of constructing, owning, and operating a private access station to supply an ultra-low carbon fuel for transportation; and
- Enable the accelerated replacement of heavy-duty diesel trucks with clean-burning, ultra low-emission natural gas trucks to stimulate the U.S. manufacturing base and economy and to assist in the development of a more aggressive "green" automotive industry in the United States.

Objectives of the Agreement:

The objectives of this project are to construct a CNG fueling station to support fuel requirements of the existing and planned expansion of WM's CNG refuse collection and transfer vehicles and other fleets in the region. During the implementation of this project, it is projected that 382,200 gallons of imported diesel fuel per year will be displaced and transportation related greenhouse gas emissions will be reduced by over 1,373 metric tons per year in California.

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 Recipient shall:

- Attend a “Kick-Off” meeting with the Energy Commission Agreement Manager, the Grants Officer, and a representative of the Accounting Office. The Recipient shall bring its Project Manager, Agreement Administrator, Accounting Officer, and others designated by the Energy Commission Agreement Manager to this meeting. The administrative and technical aspects of this Agreement will be discussed at the meeting. Prior to the kick-off meeting, the Energy Commission Agreement Manager will provide an agenda to all potential meeting participants.

The administrative portion of the meeting shall include a discussion of the following:

- The terms and conditions of the Agreement
- Critical Project Review (Task 1.2)
- Match fund documentation (Task 1.6)
- Permit documentation (Task 1.7)
- Subcontracts needed to carry out project (Task 1.8)

The technical portion of the meeting shall include a discussion of the following:

- The Energy 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)
- The Final Report (Task 1.5)

The Energy Commission Agreement Manager shall designate the date and location of this meeting.

Recipient’s Products:

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

Energy Commission Agreement Manager’s Product:

- Kick-Off Meeting Agenda.

Task 1.2 Critical Project Review (CPR) Meetings

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.

CPRs provide the opportunity for frank discussions between the Energy Commission and the Recipient. CPRs generally take place at key, predetermined points in the Agreement, as determined by the Energy Commission Agreement Manager and as shown in the Technical Task List above. However, the Energy Commission Agreement Manager may schedule additional CPRs as necessary, and any additional costs will be borne by the Recipient.

Participants include the Energy Commission Agreement Manager and the Recipient and may include the Energy 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 Energy Commission Agreement Manager to provide support to the Energy Commission.

Energy Commission Agreement Manager 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 (see the Terms and Conditions, Section 8). If the Energy Commission Agreement Manager concludes that satisfactory progress is not being made, this conclusion will be referred to the Lead Energy Commissioner for Transportation activities for his or her concurrence.
- Prepare and submit to the Recipient 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 and submit 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 of 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 Energy Commission Agreement Manager 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.

Energy Commission Agreement Manager's Products:

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

Recipient's Product:

- CPR Report(s).

Task 1.3 Final Meeting

The goal of this task is to closeout this Agreement.

The Recipient shall:

- Meet with Energy Commission staff to present the findings, conclusions, and recommendations. The final meeting must be completed during the closeout of this Agreement.

This meeting will be attended by, at a minimum, the Recipient, the Energy Commission Grants Office Officer, and the Energy Commission Agreement Manager. 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 Energy Commission Agreement Manager.

The technical portion of the meeting shall present an assessment of the degree to which project and task goals and objectives were achieved, findings, conclusions, recommended next steps (if any) for the Agreement, and recommendations for improvements. The Energy Commission Agreement Manager will determine the appropriate meeting participants.

The administrative portion of the meeting shall be a discussion with the Energy Commission Agreement Manager and the Grants Officer about the following Agreement closeout items:

- What to do with any equipment purchased with Energy Commission funds (Options)
- Energy Commission's request for specific "generated" data (not already provided in Agreement products)
- "Surviving" Agreement provisions
- Final invoicing and release of retention
- Prepare and submit a schedule for completing the closeout activities for this Agreement.

Recipient's Products:

- Written documentation of meeting agreements.
- Schedule for completing closeout activities.

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 and submit 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. Each progress report is due to the Energy Commission Agreement Manager within 10 days of the end of the reporting period. The recommended specifications for each progress report are contained in Section 6 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.

Recipient's 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. If the Recipient has obtained confidential status from the Energy Commission and will be preparing a confidential version of the Final Report as well, the Recipient shall perform the following activities for both the public and confidential versions of the Final Report.

The Recipient shall:

- Prepare and submit an Outline of the Final Report.
- Prepare and submit a Final Report following the approved outline and the latest version of the Final Report guidelines which will be provided by the Energy Commission Agreement Manager. The Energy Commission Agreement Manager 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.

Recipient's Products:

- Draft Outline of the Final Report.
- Final 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:

- Prepare and submit a letter documenting the match funding committed to this Agreement and submit it to the Energy Commission Agreement Manager at least 2 working days prior to the kick-off meeting. If no match funds were part of the proposal that led to the Energy Commission awarding this Agreement and none have been identified at the time this Agreement starts, then state such in the letter. If match funds were a part of the proposal that led to the Energy Commission awarding this Agreement, then 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 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 Energy Commission Agreement Manager if during the course of the Agreement additional match funds are received.
- Notify the Energy Commission Agreement Manager within 10 calendar 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.

Recipient's 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 and submit a letter documenting the permits required to conduct this Agreement and submit it to the Energy Commission Agreement Manager 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 Energy Commission Agreement Manager.
- As permits are obtained, send a copy of each approved permit to the Energy Commission Agreement Manager.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the Energy Commission Agreement Manager within 5 working days. Either of these events may trigger an additional CPR.

Recipient's 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).

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 Energy Commission Agreement Manager for review.
- Submit a final copy of the executed subcontract.
- If Recipient decides to add new subcontractors, it shall notify the Energy Commission Agreement Manager.

Recipient's Products:

- Letter describing the subcontracts needed, or stating that no subcontracts are required.
- Draft subcontracts.
- Final subcontracts.

TECHNICAL TASKS

TASK 2 DESIGN SYSTEM - ENGINEERING AND PRECONSTRUCTION

The goal of this task is to perform civil and architectural engineering, including design management services and preconstruction planning.

The Recipient shall:

- Finalize layout of the station.
- Finalize station engineering and design.
- Perform design management services.
- Provide preconstruction planning service.
- Prepare and submit final station design.

[CPR will be held at the end of this Task. See Task 1.2 for details.]

Recipient's Product:

- Final station design

TASK 3 EQUIPMENT DELIVERY AND INSTALLATION

The goal of this task is to take delivery of all necessary equipment and supplies at the site and install the equipment, controls, and support infrastructure in accordance with the system design specifications.

The Recipient shall:

- Order and procure all equipment and materials.
- Track and inventory all equipment and supplies arriving at the site.
- Provide quality assurance checks on key components of the system.
- Coordinate placement and logistics for off-loading equipment and component skids.

- Prepare and submit a list of equipment received.
- Perform final checks of design prior to start-up.
- Prepare and submit a final Installation Report that summarizes the work performed, describes any changes from the original design, identifies any issues that arose during final checks of the design, and verifies completion of installation.

Recipient’s Product:

- Final installation report

TASK 4 SYSTEM START-UP AND COMMISSIONING INTO SERVICE

The goal of this task is to start up the CNG system and commission it into operation, providing unlimited public access for fueling.

The Recipient shall:

- Develop and submit start-up test plan.
- Perform necessary checks of the system prior to start-up and address any findings from prestart check list and take corrective actions.
- Perform start-up and commission system into service per test plan.
- Troubleshoot any issues identified.
- Install functional back office system communication, management, and customer relations.
- Conduct a customer training session which includes product capabilities and safety features, care and maintenance requirements, operation and troubleshooting techniques, service support requests, ordering replacement parts, and understanding the warranty.
- Prepare and submit a final report of start-up and commissioning, including photographs, problems encountered, and corrective actions.

Recipient’s Products:

- Start-up test plan
- Final Report of start-up and commissioning

TASK 5 PUBLIC OUTREACH

The Recipient will create public awareness about the development of this important infrastructure project using match funding.

The Recipient shall:

- Invite key stakeholders, government officials, and media to the commencement ceremony.
- Issue a press release for circulation in all key media outlets.
- Organize and hold a large media event and ribbon cutting ceremony.

Recipient's Product:

- Press Release

TASK 6 DATA COLLECTION AND PERFORMANCE ASSESSMENT

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

The Recipient shall:

- Develop and submit data collection test plan.
- Troubleshoot any issues identified.
- Collect and submit 6 months of throughput, usage, and operations data from the project including, but not limited to:
 - Number of vehicles fueled per day per station
 - Number of days per year vehicles for fueled per station
 - Maximum capacity of the new fueling system
 - Gallons of gasoline and/or diesel fuel displaced by using natural gas (with associated mileage information)
 - Expected air emissions reduction, for example:
 - Non-methane hydrocarbons
 - Oxides of nitrogen
 - Non-methane hydrocarbons plus oxides of nitrogen
 - Particulate Matter
 - Formaldehyde
 - Duty cycle of the current fleet and the expected duty cycle of future vehicle acquisitions
 - Specific jobs and economic development resulting from this project
- 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.
- Prepare and submit data on potential job creation, economic development, and increased state revenue as a result of expected future expansion.
- Prepare and submit a quantified estimate of the project's carbon intensity values for life-cycle greenhouse gas emissions.
- Compare any project performance and expectations provided in the proposal to Energy Commission with actual project performance and accomplishments.
- Prepare and submit additional information that may be requested by the Energy Commission during the term of this Agreement, as is reasonably available.

Recipient's Products

- None. Data collection information and analysis will be included in the Final Report.