

GRANTS/CONTINGENT AWARD REQUEST



To: Grants and Loans Office

Date: 04 / 11 / 2012

Project Manager: Phil Cazal Phone Number: (916) 653-1590 ext.  
Office: Emerging Fuels and Technology Office Division: Fuels and Transportation MS- 27  
Project Title: Scale up of Biodiesel Production Facility with Reduced Carbon Intensity

Type of Request: (check one)

**New Agreement:** (include items A-F from below) Agreement Number: Assigned by the G&L Office  
Program: Alternative and Renewable Fuel and Vehicle Technology Program  
Solicitation Name and/or Number: Biofuels Production Facilities  
Legal Name of Recipient: New Leaf Biofuel, LLC  
Recipient's Full Mailing Address: 2285 Newton Ave.  
San Diego, CA 92113  
Recipient's Project Officer: Jennifer Case Phone Number: (619) 236-8588 ext.  
Agreement Start Date: 06 / 18 / 2012 Agreement End Date: 12 / 31 / 2013

**Amendment:** (Check all that apply) Agreement Number: \_\_\_\_\_  
 Term Extension – New End Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
 Work Statement Revision (include Item A from below)  
 Budget Revision (include Item B from below)  
 Change of Scope (include Items A – F as applicable from below)  
 Other: (Specify) \_\_\_\_\_

ITEMS TO ATTACH WITH REQUEST:

- A. Work Statement
- B. Budget
- C. Recipient Resolution, if applicable. (Resolution may be requested in Special Conditions if not currently available.)
- D. Special Conditions, if applicable.
- E. CEQA Compliance Form
- F. Other Documents as applicable
  - Copy of Score Sheets
  - Copy of Pre-Award Correspondence
  - Copy of All Other Relevant Documents

California Environmental Quality Act (CEQA)

CEC finds, based on recipient's documentation in compliance with CEQA:  
 Project exempt: Section 15268 (Ministerial) NOE filed: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
 Environmental Document prepared: \_\_\_\_\_ NOD filed: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
 Other: \_\_\_\_\_  
 CEC has made CEQA finding described in CEC-280, attached

Funding Information:

\*Source #1: ARFVTP Amount: \$ 511,934.00 Statute: 2010 FY: 10/11 Budget List #: 601.118c  
\*Source #2: \_\_\_\_\_ Amount: \$ \_\_\_\_\_ Statute: \_\_\_\_\_ FY: \_\_\_\_\_ Budget List #: \_\_\_\_\_  
\*Source #3: \_\_\_\_\_ Amount: \$ \_\_\_\_\_ Statute: \_\_\_\_\_ FY: \_\_\_\_\_ Budget List #: \_\_\_\_\_

If federally funded, specify federal agreement number: \_\_\_\_\_  
\* Source Examples include ERPA, PIER-E, PIER-NG, FED, GRDA, ARFVT, OTHER.

Business Meeting Approval: (refer to Business Meeting Schedule)

Proposed Business Meeting Date: 06 / 13 / 2012  Consent  Discussion  
Business Meeting Participant: Phil Cazal Time Needed: 5 minutes

Agenda Notice Statement: (state purpose in layperson terms)

Possible approval of a  Grant /  Contingent Award to...  
New Leaf Biofuel, LLC for the amount of \$511,934.00 to expand the production capacity of an existing biodiesel facility from 1.5 million to 5 million gallons per year from used vegetable oil and brown grease feedstocks.

## Exhibit A Scope of Work

### TECHNICAL TASK LIST

Task #	CPR	Task Name
1	N/A	Administration
2		Engineering/Permitting
3	X	Site Preparation
4	X	Installation of Equipment
5		Software Integration
6		Commissioning
7		Data Collection and Analysis

### KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	Jennifer Case		
2	Dave Richards	Gammill, Western Pump	
3	Dave Richards	Gammill, Western Pump	
4	Dave Richards	Gammill, Western Pump	
5	Dave Richards		
6	Dave Richards		
7	Jennifer Case		

### GLOSSARY

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

Acronym	Definition
ARFVT	Alternative and Renewable Fuel and Vehicle Technology
Energy Commission	California Energy Commission
CI	Carbon Intensity
CAM	Commission Agreement Manager
CPR	Critical Project Review
FTD	Fuels and Transportation Division
GHG	Greenhouse Gas
Recipient	New Leaf Biofuel LLC

**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 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-11-601 for Advanced Biofuel Production to provide funding opportunities under the ARFVT Program for the development of new, California-based biofuel production facilities that can sustainably produce low carbon transportation fuels, or for projects that lower the carbon intensity (CI) of fuels produced at existing facilities. To be eligible for funding under PON-11-601, the projects must also be consistent with the Energy Commission's ARFVT Program Investment Plan.

In response to PON-11-601, Recipient submitted application # 27, which was proposed for funding in the Energy Commission's Notice of Proposed Awards, Round 1 on March 23, 2012, and is incorporated by reference to this Agreement in its entirety.

**Problem Statement:**

Recipient currently collects used cooking oil from over 1500 restaurants and industrial kitchens and converts 100% into biodiesel that exceeds ASTM standards. End users of the fuel include the US Navy, Allied Waste Services, Pilot Travel Center, Pearson Fuels, the Cities of San Diego, Oceanside, and Chula Vista, as well as individuals and small fleets. Due to the federal mandate for blending of renewable fuels and the California Low Carbon Fuel Standard (LCFS), there is currently a demand for biodiesel that exceeds the available local supply. Petroleum refiners and terminal operators have reached out to the Recipient in order to supply their Southern California blending operations, however, the Recipient's plant has been sold out since March 2011 and has had to turn down new business. The Recipient has the experience to operate a plant with more capacity, but is lacking funds to complete a plant expansion. In order to

further reduce the CI of the fuel produced at the facility, the addition of cogeneration and enhanced methanol recovery equipment is required.

### **Goals of the Agreement**

The goals of this agreement are to increase the production of biodiesel from waste oils from 1.5 million to 5 million gallons per year; reduce the CI of the biodiesel fuel from 11.76 gCO<sub>2</sub>e/MJ to 10.44 gCO<sub>2</sub>e/MJ; and increase refining capacity of co-products.

### **Objectives of the Agreement:**

The objective of this agreement is to expand the production capacity of the Recipient's existing biodiesel facility. Three new 5,600-gallon processing vessels, two 65kW natural gas microturbines for cogeneration, and molecular sieve equipment for methanol recovery will be purchased and installed along with necessary supportive equipment such as pumps, valves, a centrifuge, and heating and cooling elements. The cogeneration system will provide 100% of the facility's electric load using natural gas, capture the exhaust heat from the engines to provide 50% of the facilities heat load, and decrease the CI of the resulting fuel from 11.76 to 10.44 gCO<sub>2</sub>e/MJ.

## **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 Commission Agreement Manager (CAM), 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 CAM to this meeting. The administrative and technical aspects of this Agreement will be discussed at the meeting. Prior to the kick-off meeting, the CAM will provide an agenda to all potential meeting participants.

The administrative portion of the meeting shall include, but not be limited to, the following:

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

The technical portion of the meeting shall include, but not be limited to, the following:

- The CAM's expectations for accomplishing tasks described in the Scope of Work
- An updated Schedule of Products
- Discussion of Progress Reports (Task 1.4)

- Discussion of Technical Products (Product Guidelines located in Section 5 of the Terms and Conditions)
- Discussion of the Final Report (Task 1.5)

The CAM shall designate the date and location of this meeting.

**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**

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 CAM and as shown in the Technical Task List above. However, the CAM may schedule additional CPRs as necessary, and any additional 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

- 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.

**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 Commission Grants Office Officer, and the 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 CAM.

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 CAM will determine the appropriate meeting participants.

The administrative portion of the meeting shall be a discussion with the CAM 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 a schedule for completing the closeout activities for this Agreement.

**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 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 CAM within 10 days of the end of the reporting period. The recommended specifications for each progress report are 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. 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 an Outline of the Final Report.
- Prepare a Final Report following the approved outline and the latest version of the Final Report guidelines which will be provided by the CAM. 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
- 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 a letter documenting the match funding committed to this Agreement and submit it to the CAM 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 CAM if during the course of the Agreement additional match funds are received.
- Notify the CAM 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 CAM.
- As permits are obtained, send a copy of each approved permit to the CAM.
- 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)

## **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.
- If Recipient decides to add new subcontractors, it shall notify the CAM.

### **Products:**

- Draft subcontracts
- Final subcontracts

## **TECHNICAL TASKS**

### **Task 2 Engineering**

The goal of this task is to prepare and/or review engineering plans for the Project.

### **The Recipient shall:**

- Prepare and/or review engineering plans for the Project
- Prepare and submit an updated Construction Timeline.
- Prepare and submit a Written Notification of Readiness to Construct stating the project has obtained all permits, third party agreements, binding construction and equipment bids, and all other items necessary to begin construction.

### **Products:**

- Written Notification of Readiness to Construct
- Updated Construction Timeline

## **TASK 3 SITE PREPARATION**

The goal of this task is to identify construction costs prior to incurring major construction expenses and to prepare the site for installation of biodiesel processing tanks and cogeneration units.

**The Recipient shall:**

- Prepare and submit Construction and Equipment List documenting the comprehensive construction costs. The Construction and Equipment List will include all items to be purchased, constructed, or installed on the project. For each item, the letter shall provide:
  - The name of the item
  - The make, model, size, capacity or other information as appropriate to the item
  - The name of the entity that will be carrying out the purchase and/or installation of the item
  - The estimated cost to purchase and install the item
  - The schedule for obtaining a binding bid from the supplying or installing entity
- Prepare the site for installation of biodiesel processing tanks and cogeneration units, including:
  - Saw-Cut, break out, remove and dispose of up to 50 square feet of concrete
  - Excavate native soil for haul off and disposal
  - Install 3" plastic natural gas pipe underground and black iron steel above ground, along with associated fittings
  - Backfill trench and resurface with concrete
  - Relocate existing equipment to make room for new equipment (including electrical panel)
- Prepare and submit a Summary Report of Completion of Site Preparation that identifies work completed and readiness of site for equipment installation

**[CPR will be held during this task. See Task 1.2 for details.]**

**Products:**

- Construction and Equipment List
- Summary Report of Completion of Site Preparation

**Task 4: Equipment Installation**

The goal of this task is to install biodiesel processing tanks and cogeneration units.

**The Recipient shall:**

- Install building processing tanks and cogeneration units, and complete other construction tasks, including:
  - Fabricate frames of new tanks
  - Install tanks into processing room
  - Install piping
  - Connect new tanks to electrical system
  - Build molecular sieve in place

- Install conduit and wire from disconnect to C-65s electrical point of connection and terminate
  - Provide and install conduit and wire from disconnect to main switch board, switch board to transformer and transformer to switch gear
  - Fabricate exhaust manifold for C-65s, field fit and install to C-65s
  - Install exhaust ducting from manifold to heat exchanger
  - Install hot water piping from heat exchanger to edge of concrete pad for connection
  - Install fuel piping from C-65 to edge of pad for customer connection
  - Install shut-off valves and fittings
  - Install insulation on all new piping
  - Inspect by Underwriter's Laboratory (U.L.)
  - Inspect by Fire Department
- Prepare and submit a Notice of Completion of Installation

**Products:**

- Written Notice of Completion of Installation

**[CPR will be held upon completion of this task. See Task 1.2 for details.]**

**Task 5: Software Engineering**

The goal of this task is to design software coding to incorporate new installs into current automation software.

**The Recipient shall:**

- Write program additions
- Debug
- Prepare and submit a Summary Report of Software Update Completion

**Products:**

- Summary Report of Software Update Completion

**Task 6: Commissioning**

The goal of this task is to commission and begin commercial operation with the new equipment.

**The Recipient shall:**

- Acquire feedstock and chemicals necessary to run 14 batches at 4000 gallons each.
- Commission biodiesel production equipment including automation
- Prepare and submit a Written Notification of Commercial Operation and submit it to the CAM within ten working days of commercial operation of the project. The Written Notification shall contain the following elements:

- The date the project achieved commercial operation(s)
- A narrative on the current status of the project and initial operations
- Any changes made from the project as originally proposed and reasons for those changes.

**Products:**

- Written Notification of Commercial Operation

**Task 7 Data Collection and Analysis**

The goal of this task is to collect and analyze operational data to determine the economic viability and environmental impact of the project. Final analysis of all project data shall be included in the Final Report.

**The Recipient Shall:**

- Collect 6 months of operational data from fuel production system to include:
  - time operating (up and down time),
  - efficiency of conversion of feedstock,
  - biofuel production rate,
  - quality and quantity of fuel produced,
  - volume of biodiesel dispensed per annum.
- Estimate gasoline and/or petroleum-based diesel fuel that will be displaced annually.
- Explain how the project will reduce criteria air pollutants and air toxics and reduce or avoid multimedia environmental impact, and lead to a decrease, on a life cycle basis, in emissions of water pollutants or any other substances known to damage human health or the environment.
- Explain how the project incorporated and achieved the sustainability goals.
- Provide a quantified estimate of the project's CI values for life-cycle scale Greenhouse Gas (GHG) emissions.
- Quantify any water efficiency and water use reduction measures used in the project including, but not limited to, the use of recycled or reclaimed water and the reduction or elimination of point and nonpoint source wastewater discharge.
- Describe any potential use of renewable energy or cogeneration in the project.
- Describe any potential energy efficiency measures used in the project that would exceed Title 24 standards in Part 6 of the California Code of Regulations.
- Provide data on expected job creation, economic development, and increased state revenue.
- Compare any project performance and expectations provided in the proposal to Energy Commission with actual project performance and accomplishments.

- Describe how the project supports new technology advancement for vehicles, vessels, engines, and other equipment, and promote the deployment of such technologies in the marketplace.
- To the extent possible describe how the project, provided a measurable transition from the nearly exclusive use of petroleum fuels to a diverse portfolio of viable alternative fuels that meets California's petroleum reduction and alternative fuel use goals.
- Describe how the project demonstrated the cost-effectiveness of the proposed technology in achieving GHG emissions reduction.
- Provide additional data that may be requested by the Energy Commission during the term of this Agreement, as is reasonably available.

**Products:**

None. Information will be included in the Final Report.