

GRANTS/CONTINGENT AWARD REQUEST



To: Grants and Loans Office

Date: 1 / 31 / 2013

Project Manager: Andrew Hom

Phone Number: (916) 651-3000 ext.

Office: EFTO

Division: FTD

MS- 27

Project Title: Escondido Biorefinery 2nd Generation (EB2G)

Type of Request: (check one)

[X] 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: PON 11-601
Legal Name of Recipient: Buster Biofuels LLC
Recipient's Full Mailing Address: 1170 Industrial Avenue, Escondido, CA 92029
Recipient's Project Officer: Buster Halterman Phone Number: (760) 266-5142 ext. 101
Agreement Start Date: 4 / 16 / 2013 Agreement End Date: 1 / 16 / 2016

[] 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: _____

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)

[X] CEC finds, based on recipient's documentation in compliance with CEQA:
[X] Project exempt: Section 15332, Class 32- In-fill Development Projects NOE filed: 10 / 12 / 2010
[] Environmental Document prepared: _____ NOD filed: ____ / ____ / ____
[] Other: _____
[] CEC has made CEQA finding described in CEC-280, attached

Funding Information:

*Source #1: ARFVTP Amount: \$ 2,641,723.00 Statute: 2011 FY: 12/13 Budget List #: 601.1180
*Source #2: _____ Amount: \$ _____ Statute: _____ FY: _____ Budget List #: _____
*Source #3: _____ Amount: \$ 0.00 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: 3 / 13 / 2013 [] Consent [X] Discussion
Business Meeting Participant: Andrew Hom Time Needed: (5 minutes)

Agenda Notice Statement: (state purpose in layperson terms)

Possible approval of a [X] Grant / [] Contingent Award to...
Buster Biofuels LLC for \$2,641,723 to convert a 7,300 sq. ft. industrial warehouse building into a biodiesel facility for fueling company fleet vehicles, and the processing and manufacturing of biodiesel. Buster Biofuels will produce ASTM-quality biodiesel from waste-based feedstocks, primarily used cooking oil. The benefits of this project include the estimated reduction of 32,000 tons of GHG emissions annually.

**Exhibit A
Scope of Work**

TECHNICAL TASK LIST

Task #	CPR	Task Name
1	N/A	Administration
2		Pre-Construction
3		Construction
4	X	Equipment Testing and Calibration
5		Operations
6		Data Collection and Analysis

KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	Weldon Halterman Brian Sachau Molly Halterman	N/A	
2	Weldon Halterman Brian Sachau	N/A	
3	Weldon Halterman Brian Sachau Max Minahan	N/A	
4	Weldon Halterman Brian Sachau	N/A	
5	Weldon Halterman Brian Sachau	N/A	
6	Weldon Halterman Brian Sachau	N/A	400+ Restaurants Legoland Padres La Costa Resorts & Spa Palomar Pomerado Health The Grand Del Mar El Nopolito Burger Lounge Sector 9/Wahoo's Chronic Tacos Primo Fish Imports

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
			Sambazon Custom Alloy Light Metals San Dieguito High School District

GLOSSARY

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

Acronym	Definition
CAM	Commission Agreement Manager
CPR	Critical Project Review
ARFVT	Alternative and Renewable Fuel and Vehicle Technology
CI	Carbon Intensity
GHG	Greenhouse Gas
LCFS	Low Carbon Fuel Standard
UCO	Used Cooking Oil
GPY	Gallons Per Year
MGPY	Million Gallons Per Year
EB2G	Escondido Biorefinery 2 nd Generation
CEC	California Energy Commission
SOP	Standard Operating Procedures
EPA	U.S. Environmental Protection Agency
IRS	Internal Revenue Service
CEQA	California Environmental Quality Act
PLC	Program Logic Control
QC	Quality Control
BOE	Board of Equalization
EMTS	EPA Moderator Transaction System

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;
- 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-11-601 to provide funding opportunities under the ARFVT Program for projects which create new, low carbon facilities, or for projects that lower the carbon intensity of fuels produced at existing facilities and to support projects must demonstrate economically competitive yields and lower GHG potential than Low Carbon Fuel Standard (LCFS) pathways for corn ethanol or soy biodiesel. To be eligible for funding under PON-11-601, the projects must also be consistent with the Energy Commission's ARFVT Program Investment Plan updated annually. In response to PON-11-601, the Recipient submitted application *number 37*, which was proposed for funding in the Energy Commission's Notice of Proposed Awards (NOPA) on October 5, 2012, and is incorporated to this Agreement in its entirety.

Problem Statement:

Currently, most biodiesel production facilities are designed to process high-grade feedstocks into ASTM-quality fuel for distribution and use. When processing lower-grade feedstocks, such as Used Cooking Oil (UCO), into biodiesel these existing production facilities must utilize large quantities of sulfuric acid, methanol, water and energy. While UCO is one of lowest carbon intensive feedstocks available today, the amount of hazardous materials and waste products generated through production in these facilities has indirect effects on emissions values.

Additionally the capital costs associated with feedstock procurement and the design, development, installation, and operation of biodiesel refineries is high, typically one dollar per gallon produced is the standard, restricting industry growth and availability of ASTM-quality fuel in the marketplace.

Goals of the Agreement

The goals of the Buster Biofuels Escondido Biorefinery 2nd Generation (EB2G) Agreement with the CEC include the a) installation and operation of commercial-scale biodiesel facility that will produce nearly 5 million gallons of transportation fuel per year through an integrated system of proven and tested technologies to process waste-based feedstocks, such as UCO; while minimizing or reducing the use of high quantities of hazardous materials, energy and water in the production of ASTM-quality biodiesel; and b) increasing the cost efficiency associated with the production, distribution, and use of biodiesel in the San Diego regional market.

Objectives of the Agreement:

- A. Provide a reliable, locally produced supply of ASTM-quality biodiesel – displacing nearly 5 million gallons of petroleum diesel fuel annually, while increasing in-state biofuels production;
- B. Divert nearly 5.6 million gallons per year of UCO from being utilized in low-value rendering operations through the operation of a dual-purpose feedstock collection service; ultimately increasing the amount of alternative, renewable fuel in the marketplace.
- C. Reduce greenhouse gas emissions by 64,563,528 pounds of GHG emissions per year through the reduction of petroleum use and feedstock transport.
- D. Provide a highly scalable model for the replication of additional facilities in California using waste-based, low carbon intensity feedstocks by increasing the cost efficiency of constructing and operating biorefineries by approximately 30 percent.

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, 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 CPR (Task 1.2)
- Match fund documentation (Task 1.6). No work may be done until this documentation is in place.
- 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

Commission Agreement Manager 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 CAM. 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.

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 Obtain and Execute Subcontracts

The goal of this task is for Recipients to identify any subcontracts required to carry out the tasks under this Agreement and to procure them 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:

- Prepare a letter documenting the subcontracts 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 subcontracts required at the start of this Agreement, then state such in the letter. If it is known at the beginning of the Agreement that subcontracts will be required during the course of the Agreement, provide in the letter:

- A list of the subcontracts that describes the anticipated maximum budget and general scope of work for each,
- A description of the procurement process to be used, and
- The schedule the Recipient will follow in applying for and obtaining these subcontracts
- Submit a draft of the subcontract that will include a budget with the information required in the budget details to the CAM for review.
- Submit a final copy of the executed subcontract.

Products:

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

TECHNICAL TASKS

TASK 2 PRE-CONSTRUCTION

The goal of this task is to expand the Buster Biofuels' feedstock collection service during the Project Period to 547,000 gallons per year (gpy) through the addition of approximately 720 new customer and client relationships by the end of 2015. Finalize and confirm all engineering and equipment design, site design, and registrations. Finalize all equipment schematics and schedules, as well as item costs.

The Recipient shall:

- Develop and implement a Feedstock Collection and Expansion Plan.
- Secure 1,000 gallons/month from new UCO sources, which equates to approximately 20 new accounts per month.
- Create 2D/3D renderings of pipe configurations throughout the plant.
- Finalize electrical designs for equipment.
- Finalize equipment PLC's/control panels.
- Process Flow Diagram and Unit Op Description.
- Define top Level Process Sequences.
- Develop schematic specifications for all purchased components.
- Complete procurement package for purchased components.
- Hire sales sub-contractor/s

Products:

- Feedstock Collection and Expansion Plan
- Monthly Feedstock Procurement and Collection Log
- Process Flow Diagram (Final)

- Final Renderings
- Equipment Procurement, Design and Fabrication Schedule with Delivered Costs
- Secured contracts with restaurants and other feedstock sources

TASK 3 CONSTRUCTION

The goal of this task is to complete site preparation and construction for anticipation of operation.

The Recipient shall:

- Work with General Contractor and Subcontractors to prepare essential infrastructure for the installation of equipment and facility construct:
 - Install main Electrical panels and lighting
 - Pour Concrete support for the “tank farm”/containment area
 - Build containment wall for the “tank farm”
 - Pour concrete for loading and unloading containment area
 - Construct Trash enclosure
 - Install “Wet Sprinkler” system throughout interior, including underground work from the street main line
 - Install ventilation fans.
- Initiate purchase orders and shipment schedules for all necessary equipment.
- Monitor fabrication of equipment that will be specific to the facility.
- Develop a shipment schedule and verify all key equipment arrival for installation at the facility.
- Execute construction of the Project as outlined in Schedule of Products and Construction and Equipment List. The construction shall include the following major components:
 - Tank and Equipment Anchoring and Grounding
 - Plumbing
 - Electrical and PLC.
- Oversee and coordinate facility construction activities.
- Prepare weekly construction progress reports.

Products:

- Inspection Reports
- Equipment Purchase Order/s
- Key Equipment Fabrication Report/s
- Shipment and Verification Schedule
- Letter Report on the Completion of Connections

Task 4 EQUIPMENT TESTING AND CALIBRATION

The goal of this task is to calibrate and test individual Key Equipment and commission the production system and facility in order to begin commercial production of ASTM D6751 biodiesel fuel.

The Recipient shall:

- Test each piece of equipment and verify operational condition.
- Test and demonstration of entire system and facility for operation.
- Source testing for San Diego Air Pollution Control District.
- Pressure testing from the Escondido Fire Department.
- Calibrate PLC/controls.
- Submit warranty documentation to manufacturer.
- Prepare a Written Notification of Demonstration Operation and submit to the CEC Agreement Manager within ten (10) working days of test and demonstration of operation of the facility. The Written Notification shall contain the following elements:
 - Date the Project achieved commercial operation/s;
 - Narrative of the current status of the Project and initial operations; and
 - Any changes made from the Project as originally proposed and reasons for those changes.
- Conduct CPR process per Task 1.2.

Products:

- Manufacturer Warranties
- Letter from Local Lead Agency, City of Escondido, Granting Occupancy and Ability to Operate the EB2G facility
- Permit to Operate from the San Diego Air Pollution Control District
- Critical Project Review Report

Task 5 OPERATIONS

The goal of this task is to operate the facility as designed for 2 years and to collect data to document the Project's fulfillment of its objectives.

The Recipient shall:

- Assemble Onsite Quality Control (QC) Laboratory
 - Develop a detailed QC Equipment List.
 - Procure and install all equipment and supplies.
 - Test and train lab personnel.
 - Verify laboratory results through 3rd party testing.
- Develop Standard Operating Procedures (SOP's) and Safety Manual
 - Create SOP as it pertains to QC/laboratory, and all aspects of production.
 - Create safety guidelines and establish emergency safety protocol.
 - Review and train production team according to manual.
- Attain Regulatory Registrations

- Join National Biodiesel Board (NBB) to attain access to Tier I Testing and Health Effects Data.
 - Submit necessary documentation for EPA.
 - Schedule engineering review.
 - Complete engineering review.
 - Complete online Central Data Exchange (CDX)/EPA Moderator Transaction System (EMTS) registrations.
 - Submit updated documentation for IRS registration and BOE registration (if required); and for LCFS registration.
- BQ-9000 Producer and Marketer Certification
 - Work with the National Biodiesel Board to meet the requirements for both certifications.
- Marketing, Outreach and Communications
 - Convene elected officials, agencies and project partners in a public demonstration of the facility.
 - Host school tours, visitors and renewable energy tours at the facility.
 - Expand community outreach efforts with the San Diego Padres, Legoland, regional hotels and resorts, and others to support feedstock acquisition as well as integrated marketing efforts regarding the environmental and economic value of biodiesel.
 - Develop social media tools, web-based videos and print and video marketing materials to support national recognition of the value of biodiesel and raise Buster Biofuels brand.
- Glycerin Market Development and Demonstration
 - Work with companies that can use technical grade glycerin in their product development.
 - Establish contracts to distribute glycerin for new and emerging technologies in other commercial markets.

Products:

- QC Equipment List
- Laboratory Testing / Verification Document
- Written Copy of SOP's and Safety Manual
- NBB Membership Status
- EPA And Renewable Fuel Standard 2 Registration
- Updated IRS Registration
- Updated BOE Registration
- LCFS Registration
- BQ-9000 Certification/s
- Marketing, Outreach and Communications Plan
- Glycerin Purchase Orders
- 1 – 3 Glycerin Contracts

Task 6 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 must 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,
 - Resin performance and life expectancy
 - Hybrid water wash performance
 - Quality and quantity of fuel produced.

- Estimate 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 carbon intensity values for life-cycle scale 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:

- Final Report