

**CALIFORNIA ALTERNATIVE ENERGY AND
ADVANCED TRANSPORTATION FINANCING AUTHORITY**

Request to Approve Project for Sales and Use Tax Exclusion (STE)¹

**CalBioGas Hanford LLC
Application No. 18-SM027**

Tuesday, October 16, 2018

Prepared By: *Xee Moua, Program Analyst*

SUMMARY

Applicant – CalBioGas Hanford LLC

Location – Hanford, Kings County

Industry – Dairy Biogas

Project – New Cluster of Dairy Biogas Production Facilities (Alternative Source)

Value of Qualified Property – \$20,422,826

Estimated Sales and Use Tax Exclusion Amount² – \$1,707,348

Estimated Quantifiable Net Benefits – \$2,191,818

Application Score –

Fiscal Benefits Points:	2,162
<u>Environmental Benefits Points:</u>	<u>122</u>
Net Benefits Score:	2,284

<u>Additional Benefits Points:</u>	<u>85</u>
Total Score:	2,369

Staff Recommendation – Approval

¹ All capitalized terms not defined in this document are defined in the Program’s statute and regulations.

² This amount is calculated based on the average statewide sales tax rate of 8.36%.

THE APPLICANT

CalBioGas Hanford LLC (“CalBio Hanford” or the “Applicant”), a wholly owned subsidiary of CaliBioGas LLC, is a California limited liability company established in June of 2018 for the purpose of producing renewable conditioned natural gas (“R-CNG”) from dairy biogas.

The major shareholders (10.0% or greater) of CalBioGas LLC are:
 California Bioenergy LLC (56%)
 Bidart Dairy II, LLC (33%)

The corporate officers of CalBio Hanford are:
 N. Ross Buckenham, Chief Executive Officer
 Neil Black, President

THE PROJECT

CalBio Hanford is requesting a sales and use tax exclusion to build covered lagoon digester systems that will produce dairy biogas at a cluster of five or more dairies in Kings County and a central upgrading plant that will process the dairy biogas into renewable natural gas (“RNG”) to sell directly or indirectly through distributors as R-CNG for vehicle use (the “Project”). According to the Applicant, it is in final negotiation with multiple parties for the purchase of the gas, and one key provision of the agreements will be that all product gas will be used as vehicle fuel in the state of California. Additionally, CalBio Hanford represents its R-CNG generates Low Carbon Fuel Standard credits and is categorized as D3-RIN under the Federal Renewable Fuel Standard Program.

The Project has received grants for digester-related expenses from the California Department of Food and Agriculture in the amount of up to \$9.5 million under the Dairy Digester Research and Development grant program.

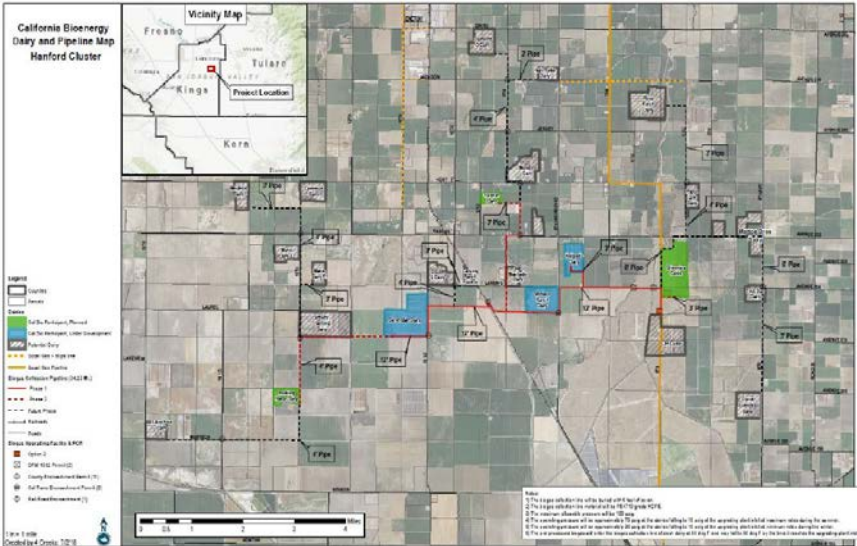


Figure 1: Dairy and Pipeline Map for Hanford Cluster

ANTICIPATED COSTS OF QUALIFIED PROPERTY

The anticipated Qualified Property purchases are listed below:

Pond Liners and Cover Systems	\$ 4,489,937
Pipes, Pumps and Drains	1,141,594
Electrical/Mechanical Tools and Equipment	2,598,824
Construction Materials	1,026,912
Separation Systems	234,718
Compressors and Generators	1,959,080
Carbon Vessels	269,718
Membrane Skid	1,274,719
Ventilation	1,308,119
Collection Line	3,884,908
Blowers and Exchangers	1,882,040
Transporting Equipment	67,538
Gas Analyzer	284,719
Total	<u>\$20,422,826</u>

Note: The Qualified Property purchases reported in the Application and shown here in staff's report are estimated costs. At the termination of the master regulatory agreement a finalized project equipment list will be prepared detailing the value of the Project equipment acquired and detailing the actual tax benefit realized pursuant to Revenue and Tax Code Section 6010.8. Variance from the costs shown in the Application and in this report may occur prior to the closing due to increased costs of certain components (of the Project) over original estimates, and other reasons. In addition, such costs may vary after closing due also to increased costs, as well as common design and equipment modifications during construction, differences in equipment due to future changes in law or regulation, or for other reasons.

TIMELINE

According to CalBio Hanford, the preliminary engineering and discretionary permitting are 30% complete and detailed engineering is expected to be complete in Q1 2019. The Applicant represents that the site preparation and construction of the dairy digesters will begin Q4 2018, and construction of the on-dairy gas conditioning equipment, the gas gathering lines, the centralized biogas to biomethane upgrader plant and utility interconnect will commence and proceed throughout 2019, with system start-ups taking place in the first half of 2020.

PROJECT EVALUATION

NET BENEFITS

The total cost of the Qualified Property purchases is anticipated to be \$20,422,826 and the total quantifiable net benefits are valued at \$2,191,818 for the Project. The Project received a Total Score of 2,369 points, which exceeds the required 1,000 point threshold, and a total Environmental Benefits Score of 122 points, which exceeds the 20 point threshold.

- A. **Fiscal Benefits (2,162 points)**. The net present value of the total fiscal benefits over the lifetime of the Qualified Property is derived from the Applicant’s sales taxes, personal income taxes paid by the firm’s employees, firm taxes on profits, property taxes and other indirect fiscal benefits of the Applicant which amounts to \$3,690,904 resulting in a Fiscal Benefits score of 2,162 points for the Project.
- B. **Environmental Benefits (122 points)**. The Project will result in \$208,263 of total pollution benefits over the life of the Project resulting in an Environmental Benefits Score of 122 points for the Project. These benefits derive from the production of dairy biogas, which offsets the need for use of fossil methane and the avoidance of methane emissions that would otherwise be released by the manure.
- C. **Additional Benefits (85 points)**. Applicants may earn additional points for their Total Score. The Applicant submitted information and received 85 additional points.
1. **Production Jobs (0 of 75 points)**. The Applicant represents that the Project will support a total of four production-related jobs at its Facility. CAEATFA estimates that approximately none of these jobs will be attributable to a marginal increase in jobs created due to the approved STE. Zero points were awarded because the marginal increase in jobs does not meet the required threshold.
 2. **Construction Jobs (35 of 75 points)**. The Applicant represents that the Project will support a total of 63 construction jobs at its Facility. CAEATFA estimates that approximately six of these jobs will be attributable to a marginal increase in jobs created due to the approved STE resulting in a Construction Jobs Score of 35 points for the Project.
 3. **Unemployment (50 of 50 points)**. The Applicant’s Project is located in Kings County which has an average annual unemployment rate of 9.6 %. This is above 110% of the statewide average annual unemployment rate which was 5.1% in 2017, the dataset used in the application. This results in an Unemployment Score of 50 points for this Project.

STATUS OF PERMITS/OTHER REQUIRED APPROVALS

The Applicant states it is currently working with Kings County, Central Valley Regional Water Quality Board, San Joaquin Valley Air Pollution Control District, SoCal Gas, Caltrans, Lakeland Canal, and BNSF RR to receive all necessary permits and/or approval for installing its dairy digesters, collection lines, facility upgrades, and utility interconnection. CalBio Hanford represents that most permits, such as air/water, planning, and buildings permits, have already been received or are in progress, and that all permits will be secured by Q3 2019.

LEGAL QUESTIONNAIRE

Staff reviewed the Applicant's responses to the questions contained in the Legal Status portion of the Application. The responses did not disclose any information that raises questions concerning the financial viability or legal integrity of this Applicant.

CAEATFA FEES

In accordance with CAEATFA Regulations,³ the Applicant has paid CAEATFA an Application Fee of \$10,000 and will pay CAEATFA an Administrative Fee of up to \$81,691.30.

RECOMMENDATION

Staff recommends approval of Resolution No. 18-SM027 for CalBioGas Hanford LLC's purchase of Qualified Property in an amount not to exceed \$20,422,826 anticipated to result in an approximate sales and use tax exclusion value of \$1,707,348.

³ California Code of Regulations Title 4, Division 13, Section 10036

**RESOLUTION APPROVING AND AUTHORIZING EXECUTION OF A MASTER
REGULATORY AGREEMENT WITH CALBIOGAS HANFORD LLC**

Tuesday, October 16, 2018

WHEREAS, the California Alternative Energy and Advanced Transportation Financing Authority (the “Authority” or “CAEATFA”) has received the Application of **CalBioGas Hanford LLC** (the “Applicant”), for financial assistance in the form of a master regulatory agreement (the “Agreement”) regarding tangible personal property utilized in an Advanced Manufacturing process or for the design, manufacture, production or assembly of Advanced Transportation Technologies or Alternative Source products, components, or systems (“Qualified Property”) as more particularly described in the staff summary and in the Applicant’s Application to the Authority (collectively, the “Project”); and

WHEREAS, the Applicant has requested the Authority to enter into the Agreement to acquire Project equipment with an estimated cost not to exceed \$20,422,826 over a period of three years; and

WHEREAS, the Applicant believes that this form of financial assistance will enable it to avail itself of the benefits of an exclusion from sales and use taxes relative to the Qualified Property pursuant to California Revenue and Taxation Code Section 6010.8; and

WHEREAS, approval of the terms of the Agreement and authority for the Executive Director, Deputy Executive Director, or Chair of the Authority to execute the necessary documents to effectuate the Agreement is now sought;

NOW, THEREFORE, BE IT RESOLVED by the California Alternative Energy and Advanced Transportation Financing Authority, as follows:

Section 1. The Project constitutes a “project” within the meaning of Public Resources Code Section 26003(a)(8)(B).

Section 2. The requested master regulatory agreement constitutes “financial assistance” within the meaning of Public Resources Code Section 26003(a)(6).

Section 3. The Applicant is a “participating party” within the meaning of Public Resources Code Section 26003(a)(7).

Section 4. The Executive Director, Deputy Executive Director, or Chair of the Authority (the “Authorized Signatories”) are hereby authorized for and on behalf of the Authority to approve any changes to the Project as the Executive Director shall deem appropriate, provided that the amount of the Qualified Property to be purchased may not be increased above the amount approved by the Authority.

Agenda Item – 4.A.3
Resolution No. 18-SM027
Application No. 18-SM027

Section 5. The proposed form of the Agreement between the Applicant and the Authority, as filed with the Authority prior to this meeting, is hereby approved. The Authorized Signatories are hereby authorized and directed, for and on behalf and in the name of the Authority, to execute, acknowledge and deliver to the Applicant the Agreement in substantially the form filed with or approved by the Authority, with such insertions, deletions or changes therein as the Authorized Signatory executing the same may require or approve, and with particular information inserted therein in substantial conformance with the staff summary and in the Applicant's Application to the Authority, such approval to be conclusively evidenced by the execution and delivery thereof. The Authority understands and agrees that pursuant to the terms of the Agreement, the obligations of the Applicant may, under some circumstances, be carried out or assumed by a successor or assignee entity, or by an affiliate of the Applicant.

Section 6. Each of the Authorized Signatories, acting alone, is hereby authorized and directed to do any and all ministerial acts, including (without limitation) the execution and delivery of any and all documents and certificates they may deem necessary or advisable in order to consummate the Agreement and otherwise effectuate the purposes of this Resolution.

Section 7. The Applicant shall assure CAEATFA that all Qualified Property listed in the semi-annual reports pursuant to the Agreement shall be installed, maintained and operated in compliance with all applicable local, state and federal laws.

Section 8. The Agreement shall only apply to Qualified Property that the Applicant certifies will be installed, maintained and operated at facilities within the State of California.

Section 9. The adoption by the Authority of this Resolution for the Applicant shall not be referred to in any application before any governmental agency as evidence of the feasibility, practicality or suitability of the Project or in any application for any required permission or authority to acquire, construct or operate the Project.

Section 10. This Resolution is effective immediately and will remain in full force and effect unless the Regulatory Agreement, as defined in CAEATFA Regulations Section 10035(a), is not executed within thirty (30) days of the date of this Resolution. The Executive Director may extend the thirty days if necessary.