

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

*Request to Approve Project for a Sales and Use Tax Exclusion<sup>1</sup>*

**CalBioGas Hanford LLC  
Application No. 23-SM017**

**Tuesday, July 18, 2023**

Prepared By: *Jeannie Yu, Program Analyst*

**SUMMARY**

**Applicant** – CalBioGas Hanford LLC

**Location** – Hanford, Kings County

**Industry** – Biogas Capture and Production

**Project** – Upgrade of an Existing Biogas Facility (Alternative Source)

Value of Qualified Property	Estimated Sales and Use Tax Exclusion (“STE”) Amount <sup>2</sup>
\$4,025,000	\$336,490

Estimated Net Benefit <sup>3</sup>	Dollar Value	Points Earned
Estimated Fiscal Benefits	\$618,863	1,839
Estimated Environmental Benefits	\$91,412	272
Additional Benefits	N/A	155
<b>Total</b>	<b>\$710,275</b>	<b>2,266</b>
<b>Estimated Quantifiable Net Benefit</b>	<b>\$373,785</b>	

**Competitive Criteria Score** – 165

**Staff Recommendation** – Approval

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<sup>1</sup> All capitalized terms not defined in this document are defined in the STE Program’s statutes and regulations.

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

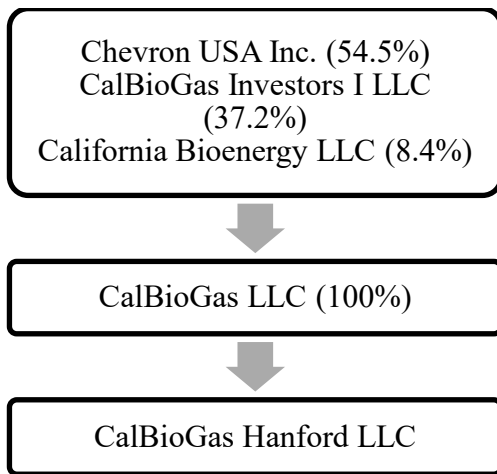
<sup>3</sup> Applications that earn a Total Score of at least 1,000 points and an Environmental Benefits Score of over 20 points may be recommended for approval. (California Code of Regulations Title 4, Division 13, Section 10033(c)(6).)

**THE APPLICANT**

CalBioGas Hanford LLC (the “Applicant”) is a California limited liability company that formed in 2018. The Applicant is an existing dairy biogas facility headquartered in Visalia that will produce renewable conditioned gas (“R-CNG”) from dairy biogas. The Applicant is able to obtain its manure digester feedstock through its relationship with California dairy farmers.

On October 16, 2018, the CAEATFA Board granted the Applicant a sales and use tax exclusion (“STE”) award for the purchase of up to \$20,422,826 in Qualified Property for an estimated STE value of \$1,707,348 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. As of December 2022, the Applicant has reported \$20,422,826 in Qualified Property purchases (100% of the total Qualified Property amount approved) and completed this project.

The ownership structure of the Applicant is as follows:



The company officers of the Applicant are:

- N. Ross Buckenham, CEO
- Neil Black, President
- Abdulla Kagalwalla, CFO

**THE PROJECT**

The Applicant is requesting an STE award to upgrade its existing dairy biogas facility located in Hanford (the “Project”). According to the Applicant, it will install a Mainspring Energy linear generator to produce power to run its dairy biogas upgrader. The generator uses low-temperature, uniform reactions that result in near-zero NOx emissions. The upgrading process involves removing carbon dioxide, oxygen, and inert materials from the biogas. The Applicant will then process the biogas into renewable natural gas (“RNG”) and sell it directly or indirectly as a renewable vehicle fuel known as R-CNG, which can be substituted for diesel in a near zero emission CNG truck or bus engine and can reduce NOx emissions by 90% when compared to the standard diesel fuel engine.

The Applicant anticipates the Qualified Property purchased for the Project will be used to manufacture dairy biogas; consistent with STE Program regulations,<sup>4</sup> the Qualified Property also includes power generation equipment that is used to power the facility for production purposes. The Project’s equipment will consume 100% of the total amount of available energy generated from dairy biogas combustion; therefore, 100% of the power generation equipment is eligible for a sales and use tax exclusion.

**ANTICIPATED COSTS OF QUALIFIED PROPERTY**

The anticipated Qualified Property purchases are listed below:

Mainspring Energy Linear Generator	\$4,025,000
<b>Total</b>	<b><u>\$4,025,000</u></b>

*Note: The Qualified Property purchases reported in the Application and shown here in staff’s report are estimated costs. At the termination of the Regulatory Agreement, a finalized Project equipment list will be prepared detailing the value of the Project equipment actually acquired, and the estimated 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, those costs may vary after closing due to increased costs, as well as common design and equipment modifications during construction, differences in equipment due to future changes in statute or regulation, or for other reasons.*

**TIMELINE**

According to the Applicant, the Mainspring Energy linear generator project is currently in progress. Construction commenced in early February 2023 and the facility is expected to be in operations by late August 2023.

**STATUS OF PERMITS/OTHER REQUIRED APPROVALS**

The Applicant states all air, building, and interconnection permits have been approved and received as of June 2023.

**COMPETITIVE CRITERIA SCORE**

The Applicant received 165 Competitive Criteria points as follows:

1. **Environmental Benefits (100 of 100 points)**. The Applicant has a Project that produces an Alternative Source, therefore, 100 points are awarded.

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<sup>4</sup> California Code of Regulations Title 4, Division 13, Section 10031(x)

2. **Unemployment (50 of 50 points)**. The Applicant’s Project’s primary Facility is located in Kings County, which has an average annual unemployment rate of 6.9%.<sup>5</sup> When compared to the statewide average annual unemployment rate of 4.3%, the Project location earned the Applicant 50 points.
3. **Job Creation (0 of 75 points)**. The Applicant anticipates the Project will support a total of one production-related jobs at its Facility. CAEATFA estimates that approximately .09 of these jobs will be attributable to a marginal increase in jobs created due to the STE. Based on the amount of STE per estimated number of jobs created, the Applicant earned zero points.
4. **California Headquarters (15 of 15 points)**. The Applicant has a California Corporate Headquarters, and, therefore, 15 points are awarded.
5. **Natural Disaster Relief (0 of 50 points)**. The Project is not to rebuild or relocate the Applicant’s Facility due to a fire, flood, storm, or earthquake identified in a state of emergency proclaimed by the Governor within two years of the time of application, and, therefore, zero points are awarded.
6. **Eligibility for Manufacturing and Research and Development Equipment Exemption (0 of 50 points)**. The Applicant is eligible to use one or more of the exemptions established pursuant to Section 6377.1 of the Revenue and Taxation Code, and, therefore, zero points are awarded.
7. **Emerging Strategic Industry (0 of 75 points)**. The Project’s industry is not in an Emerging Strategic Industry, and, therefore, zero points are awarded.

## **PROJECT EVALUATION**

### **PROJECT BENEFITS**

The Project received a Total Score of 2,266 points, which exceeds the required 1,000-point threshold, and a total Environmental Benefits Score of 272 points, which exceeds the 20-point threshold.

- A. **Fiscal Benefits (1,839 points)**. The net present value of the total fiscal benefits over the lifetime of the Qualified Property is derived from the Applicant’s sales and use taxes, personal income taxes paid by the firm’s employees, firm taxes on profits, property taxes, and other indirect fiscal benefits of the Applicant. The total fiscal benefits amount to \$618,863 resulting in a Fiscal Benefits score of 1,839.
- B. **Environmental Benefits (272 points)**. The Project is anticipated to result in \$91,412 of total pollution benefits over the life of the Project, resulting in an Environmental

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<sup>5</sup> Unemployment rates are based on data available in October 2022.

Benefits Score of 272 points. These benefits derive from the production of dairy biogas, which offsets the need for the use of fossil methane.

- C. **Additional Benefits (155 points)**. Applicants may earn additional points for their Total Score. The Applicant received 155 additional points.
1. **Production Jobs (0 of 75 points)**. The Applicant anticipates the Project will support a total of one production-related jobs at its Facility. CAEATFA estimates that approximately .09 of these jobs will be attributable to a marginal increase in jobs created due to the STE. Based on the amount of STE per estimated number of jobs created, the Applicant earned zero points.
  2. **Construction Jobs (55 of 75 points)**. The Applicant anticipates the Project will support a total of 33 construction jobs at its Facility. CAEATFA estimates that approximately 2.91 of these jobs will be attributable to a marginal increase in jobs created due to the STE. Based on the amount of STE per estimated number of jobs created, the Applicant earned 55 points.
  3. **Unemployment (50 of 50 points)**. The Applicant’s Project is located in Kings County, which has an average annual unemployment rate of 6.9%. When compared to the statewide average annual unemployment rate of 4.3%, the Project location earned the Applicant 50 points.
  4. **Workforce Partnerships (25 of 25 points)**. The Applicant has a partnership with College of Sequoias and Fresno State University for the purpose of assisting in the training of potential future workers.
  5. **Benefits and Fringe Benefits (25 of 25 points)**. The Applicant states it provides medical, health, dental, and vision benefits, bonuses, retirement contributions, education reimbursement, and paid leave to its employees, earning the Applicant 25 points.

### **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 STE Program regulations,<sup>6</sup> the Applicant has paid CAEATFA an Application Fee of \$2,012.50 and will pay CAEATFA an Administrative Fee of up to \$16,100.

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<sup>6</sup> California Code of Regulations Title 4, Division 13, Section 10036

**RECOMMENDATION**

Staff recommends the approval of Resolution No. 23-SM017-01 for CalBioGas Hanford LLC's purchase of qualifying tangible personal property in an amount not to exceed \$4,025,000 anticipated to result in an approximate STE value of \$336,490.

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

**July 18, 2023**

WHEREAS, the California Alternative Energy and Advanced Transportation Financing Authority (the “Authority”) has received the Application of **CalBioGas Hanford LLC** (the “Applicant”) for financial assistance under the Sales and Use Tax Exclusion Program, as established in Public Resources Code Section 26011.8; and

WHEREAS, the Applicant qualifies as a Participating Party under Public Resources Code Section 26011.8 and Revenue and Taxation Code Section 6010.8; and

WHEREAS, the Applicant’s qualifying tangible personal property meets the requirements of a Project under Public Resources Code Section 26011.8 and Revenue and Taxation Code Section 6010.8 (the “Project”); and

WHEREAS, after the Authority approves an Application, the Authority enters into a Regulatory Agreement, as described in Authority Regulations Section 10035(a), with the Applicant for the Project; and

WHEREAS, the Applicant has stated the Project has an estimated cost not to exceed \$4,025,000 over a period of three (3) years; and

WHEREAS, the Applicant asserts 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 Project pursuant to Revenue and Taxation Code Section 6010.8; and

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

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

Section 1. The Regulatory Agreement includes a Project within the meaning of Public Resources Code Section 26003(a)(8)(B).

Section 2. The 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 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 Authorized Signatories deem appropriate, provided that the amount of the

**Agenda Item – 4.A.4**  
**Resolution No. 23-SM017-01**

qualifying tangible personal property to be purchased for the Project may not be increased above the amount approved by the Authority.

Section 5. The proposed form of the Regulatory Agreement between the Applicant and the Authority, as filed with the Authority prior to this public meeting, is hereby approved. For, on behalf and in the name of the Authority, the Authorized Signatories are hereby authorized and directed to execute, acknowledge, and deliver to the Applicant the Regulatory Agreement in substantially the form filed with or approved by the Authority.

The Regulatory Agreement may contain insertions, deletions or changes as the Authorized Signatories executing the Regulatory Agreement may require or approve, including particular information inserted in substantial conformance with the staff summary and in the Application to the Authority. The approval of the Regulatory Agreement will be conclusively evidenced by the execution and delivery of the final Regulatory Agreement.

The Authority understands and agrees that, pursuant to the terms of the Regulatory Agreement, the obligations of the Applicant, under some circumstances, may 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 to consummate the Regulatory Agreement and otherwise effectuate the purposes of this Resolution.

Section 7. The Applicant shall ensure that all of the qualifying tangible personal property acquired as part of the Project that is listed in the semi-annual reports provided to the Authority pursuant to the Regulatory Agreement will be installed, maintained and operated in compliance with all applicable local, state and federal laws.

Section 8. The Regulatory Agreement shall only apply to qualifying tangible personal property acquired as part of the Project that the Applicant certifies will be installed, maintained and operated at facilities physically located within the State of California.

Section 9. Neither the adoption by the Authority of this Resolution for the Applicant nor the Regulatory Agreement may be referred to in any application before any governmental agency as evidence of the feasibility, practicality or suitability of the Project and may not be referred to 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 is not executed within thirty (30) days of the date of this Resolution. The Executive Director may extend the thirty (30) days if necessary.