

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

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

**Ameresco Forward RNG, LLC  
 Application No. 21-SM020**

**Tuesday, March 16, 2021**

Prepared By: *Stefani Carruth, Program Analyst*

**SUMMARY**

**Applicant** – Ameresco Forward RNG, LLC

**Location** – Manteca, San Joaquin County

**Industry** – Landfill Gas to Renewable Natural Gas Production

**Project** – New Raw Landfill Gas to Renewable Natural Gas Production Facility  
 (Alternative Source)

Value of Qualified Property	Estimated Sales and Use Tax Exclusion (“STE”) Amount <sup>2</sup>
\$26,374,850	\$2,241,862

Estimated Net Benefit <sup>3</sup>	Dollar Value	Points Earned
Estimated Fiscal Benefits	\$6,041,020	2,695
Estimated Environmental Benefits	\$3,084,347	1,376
Additional Benefits	N/A	60
<b>Total</b>	<b>\$9,125,367</b>	<b>4,131</b>
<b>Estimated Quantifiable Net Benefit</b>	<b>\$6,883,505</b>	

**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 8.5%.

<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**

Ameresco Forward RNG, LLC (the “Applicant”), is a Delaware limited liability company that formed in 2018. The Applicant will produce renewable natural gas (“RNG”) from raw landfill gas (“LFG”) at the Forward Landfill located in Manteca.

The major shareholders (10.0% or greater) of the Applicant are:

Ameresco, Inc. (100%)

The corporate officers of the Applicant are:

George Sakellaris, President & CEO

Doran Hole, Treasurer

Dave Corrsin, Secretary

**THE PROJECT**

Ameresco Forward RNG, LLC, is requesting an STE award to build a new LFG-to-RNG production facility located at the Forward Landfill in Manteca, which is owned and operated by Republic Services, a private waste management company (the “Project”). The Applicant plans to construct a new LFG to RNG treatment system that will remove pollutants and particulates from the LFG in order to produce RNG suitable for use in the natural gas pipeline. In 2014, the Applicant completed construction of an LFG-to-energy (“LFGTE”) project that produces approximately 4.3MW of renewable energy. The renewable energy from the plant is delivered to Silicon Valley Power, the City of Santa Clara’s municipal electric utility, to help meet their renewable energy goals, and any excess LFG is flared. Rather than continuing to flare excess LFG, the Applicant will upgrade LFG to RNG, which will then be injected into a Pacific Gas and Electric Company transmission pipeline. The Applicant also states the new LFG-to-RNG plant will be powered by the existing LFGTE plant.

**ANTICIPATED COSTS OF QUALIFIED PROPERTY**

The anticipated Qualified Property purchases are listed below:

Gas Blowers	\$300,000
Gas Dehydration Skids	\$685,000
Gas Separation Equipment	\$17,479,448
Thermal Oxidizer and Enclosed Flare	\$903,731
DeOxo and Thermal Swing Adsorption Dryer	\$1,650,203
Electric Transformer, Switchboard, and Motor Control Center	\$2,620,205
Controls, Instruments, Gas Analyzers, and Valves	\$1,471,000
Gas Separation Support Equipment	\$615,263
Chiller and Ambient Coolers	\$250,000
Spare Parts	\$400,000
<b>Total</b>	<b><u>\$26,374,850</u></b>

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*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**

The Applicant states that the Facility is in the design and permitting phase. Construction is set to begin in August 2021, with the Qualified Property estimated to be placed in service by May 2022.

## **STATUS OF PERMITS/OTHER REQUIRED APPROVALS**

According to the Applicant, a Land Use Planning Permit Amendment application is anticipated to be submitted to San Joaquin County in May 2021, and an air permit (Authority to Construct) application will be submitted to the San Joaquin Valley Air Pollution Control District May 2021, with target approval dates for both in August 2021. The Applicant states the Building Permit and the National Pollutant Discharge Elimination System Permit will be submitted after the Planning Permit is approved, with target approval dates in September 2021.

## **PROJECT EVALUATION**

### **PROJECT BENEFITS**

The Project received a Total Score of 4,131 points, which exceeds the required 1,000-point threshold, and a total Environmental Benefits Score of 1,376 points, which exceeds the 20-point threshold.

- A. Fiscal Benefits (2,695 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 \$6,041,020, resulting in a Fiscal Benefits score of 2,696.
  
- B. Environmental Benefits (1,376 points).** The Project is anticipated to result in \$3,084,347 of total pollution benefits over the life of the Project, resulting in an Environmental Benefits Score of 1,376 points. These benefits derive from the production of RNG from raw LFG, which removes the need for flaring excess raw LFG.

- C. **Additional Benefits 60 points**. Applicants may earn additional points for their Total Score. The Applicant received 60 additional points.
1. **Production Jobs (0 of 75 points)**. The Applicant anticipates the Project will support a total of four production-related jobs at its Facility. CAEATFA estimates that approximately 0.37 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 (20 of 75 points)**. The Applicant anticipates the Project will support a total of 27 construction jobs at its Facility. CAEATFA estimates that approximately 2.46 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 20 points.
  3. **Unemployment (15 of 50 points)**. The Applicant’s Project is located in San Joaquin County, which has an average annual unemployment rate of 10.5%.<sup>4</sup> When compared to the statewide average annual unemployment rate of 9.1%, the Project location earned the Applicant 15 points.
  4. **Benefits and Fringe Benefits (25 of 25 Points)**. The Applicant states it provides medical, health, dental, vision, bonuses, retirement contributions, dependent care & assistance reimbursement, education reimbursement, gym subsidies, employee discounts, 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 CAEATFA Regulations,<sup>5</sup> the Applicant has paid CAEATFA an Application Fee of \$10,000, and will pay CAEATFA an Administrative Fee of up to \$105,499.40.

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<sup>4</sup> Unemployment rates are based on data available in October 2020.

<sup>5</sup> California Code of Regulations Title 4, Division 13, Section 10036

**RECOMMENDATION**

Staff recommends the approval of Resolution No. 21-SM020 for Ameresco Forward RNG, LLC's purchase of qualifying tangible personal property in an amount not to exceed \$26,374,850, anticipated to result in an approximate STE value of \$2,241,862.

**RESOLUTION APPROVING AND AUTHORIZING EXECUTION OF A  
REGULATORY AGREEMENT WITH AMERESCO FORWARD RNG, LLC**

**March 16, 2021**

WHEREAS, the California Alternative Energy and Advanced Transportation Financing Authority (the “Authority”) has received the Application of **Ameresco Forward RNG, 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 10030(a), with the Applicant for the Project; and

WHEREAS, the Applicant has estimated the Project has an estimated cost not to exceed \$26,374,850 over a period of three 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

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the Project as the Authorized Signatories deem appropriate, provided that the amount of the 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.