



California Alternative Energy and Advanced Transportation Financing Authority

Investing in communities and the green
economy



2024 Annual Report to the California State Legislature

March 2025

About CAEATFA:

The California Alternative Energy and Advanced Transportation Financing Authority (CAEATFA or the Authority) was established to advance the state's goals of reducing greenhouse gas emissions, increasing the deployment of sustainable and renewable energy sources, implementing measures that increase the efficiency of the use of energy, creating high quality employment opportunities, and lessening the state's dependence on fossil fuels. CAEATFA works towards these goals by strategically targeting public funds to leverage private capital investment and spur market transformation.

CAEATFA has developed and is currently implementing various programs, including:

- **Sales and Use Tax Exclusion (STE) Program for Manufacturers** – incentivizing manufacturers to grow in California, this program provides a sales and use tax exclusion (STE) on equipment and machinery used in an Advanced Manufacturing process; for the “design, manufacture, production or assembly” of advanced transportation technologies or alternative source products, components or systems; or to process or utilize recycled feedstock. An additional STE incentive for projects that manufacture, refine, extract, process, or recover lithium was available for the years 2022, 2023, and 2024.
- **California Hub for Energy Efficiency Financing (CHEEF) Programs** – The GoGreen Financing Programs, as they are collectively known, began as a series of pilots administered in collaboration with the California Public Utilities Commission (CPUC) and designed to leverage private capital to help customers of the state's investor-owned utilities obtain lower-cost financing for energy efficiency retrofits.
- **Property Assessed Clean Energy Loss Reserve Program** – supports residential Property Assessed Clean Energy (PACE) programs by addressing concerns raised by the Federal Housing Finance Agency (FHFA) regarding risk to federal mortgage enterprises from PACE financings. The PACE Loss Reserve Program will reimburse first mortgage lenders for specified losses resulting from a PACE lien on a property during foreclosure or forced sale to collect unpaid property taxes.
- **Bond Program** – provides lower-cost bond financing for eligible projects, which most recently included Qualified Energy Conservation Bonds (QECBs) and Clean Renewable Energy Bonds (CREBs). As an energy bond conduit issuer for the State of California, CAEATFA may work with stakeholders on developing innovative approaches to financing gaps.

The CAEATFA Board consists of:

Fiona Ma, CPA, Chair
State Treasurer

Malia M. Cohen
State Controller

Joe Stephenshaw
Director, Department of Finance

David Hochschild
Chair, California Energy Commission

Alice Busching Reynolds
President, California Public Utilities Commission

Overview of the 2024 Annual Report

In accordance with Public Resources Code Section 26017, CAEATFA respectfully submits its Annual Report on program activities for the Sales and Use Tax Exclusion (STE) Program, California Hub for Energy Efficiency Financing (CHEEF) GoGreen Financing Programs, Property Assessed Clean Energy (PACE) Loss Reserve Program, and CAEATFA's Bond Program during the calendar year ending December 31, 2024.

In addition, this Annual Report contains information on CAEATFA's revenues and expenditures for the fiscal year ended June 30, 2024 and projections of the Authority's need for the fiscal year ending June 30, 2025.

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SALES AND USE TAX EXCLUSION (STE) PROGRAM FOR MANUFACTURERS



Program Summary

CAEATFA awards \$100 million in sales and use tax exclusion (STE) annually to certain manufacturers to assist them in purchasing machinery and equipment, which in turn works to retain and expand high-end manufacturing across California – growing jobs in our regions and communities, and the green economy. On September 6, 2022, the Governor signed Assembly Bill (AB) 209 authorizing an additional \$15 million in STE specific to lithium extraction projects, bringing the total available (general and lithium) award to \$115 million in STE for calendar years 2022, 2023, and 2024.

Legislative Background

In March 2010, Senate Bill (SB) 71 (Padilla, Chapter 10, Statutes of 2010) directed CAEATFA to implement the Sales and Use Tax Exclusion Program (STE Program). The legislation authorized CAEATFA to approve eligible projects for an STE on equipment and machinery (qualified property) used for the “design, manufacture, production, or assembly” of either advanced transportation technologies or alternative energy source products, components or systems, as defined. The purpose of the STE program is twofold: to promote the creation of California-based manufacturing jobs that will stimulate the California economy, and to incentivize the manufacturing of green technologies that will help reduce greenhouse gases, as well as reductions in air and water pollution or energy consumption.

CAEATFA launched the STE Program in the fourth quarter of 2010; the CAEATFA Board approved the first eight applications for the program at its November 2010 meeting.

Eligible Manufacturers

■ ADVANCED TRANSPORTATION

- ZEVs and green components



■ ALTERNATIVE SOURCE

- Energy efficiency products
- Biofuels and Biogas
- Renewable Hydrogen



■ ADVANCED MANUFACTURING

- Aerospace
- Nanotechnology
- Biopharmaceuticals



■ RECYCLED FEEDSTOCK

- Tire recyclers
- Materials Recovery Facilities (MRFs)
- Composters



■ LITHIUM EXTRACTION

- Electric Vehicles and Energy Storage

Inclusion of Advanced Manufacturing Projects

In September 2012, SB 1128 (Padilla, Chapter 677, Statutes of 2012) expanded the STE Program to include Advanced Manufacturing projects. The legislation also placed an annual limit of \$100 million in STE awards for each calendar year. The Authority modified its regulations to accommodate the statutory changes and began accepting applications for Advanced Manufacturing projects in October 2013. The CAEATFA Board approved its first two Advanced Manufacturing projects at its December 2013 meeting.

Inclusion of Recycling Projects

Signed by Governor Jerry Brown in October 2015, AB 199 (Eggman, Chapter 768, Statutes of 2015) further expanded the scope of the STE Program to include projects that process or utilize recycled feedstock. The Authority modified its regulations to accommodate the statutory changes and began accepting applications for recycling projects in August 2016. The CAEATFA Board first approved recycling projects at its October 2016 meeting.

Increase of Program Annual Allocation for Lithium Extractors

AB 209 (Committee on Budget, Chapter 251, Statutes of 2022), an energy and climate change bill signed by Governor Gavin Newsom in September 2022, authorized the STE Program to award an additional \$15 million in STE specifically for projects that manufacture, refine, extract, process, or recover lithium for calendar years 2022, 2023, and 2024.

Program Extension

AB 1583 (Eggman, Chapter 690, Statutes of 2019), the California Recycling Market Development Act, extended the program's sunset date from January 1, 2021 to January 1, 2026. To further the STE Program's focus on California job creation, AB 176 (Cervantes, Chapter 672, Statutes of 2019) requires a consideration of the extent to which a project will result in the loss of permanent, full-time jobs in California, and collection of wage data for each classification of full-time employees proposed to be hired or not retained.

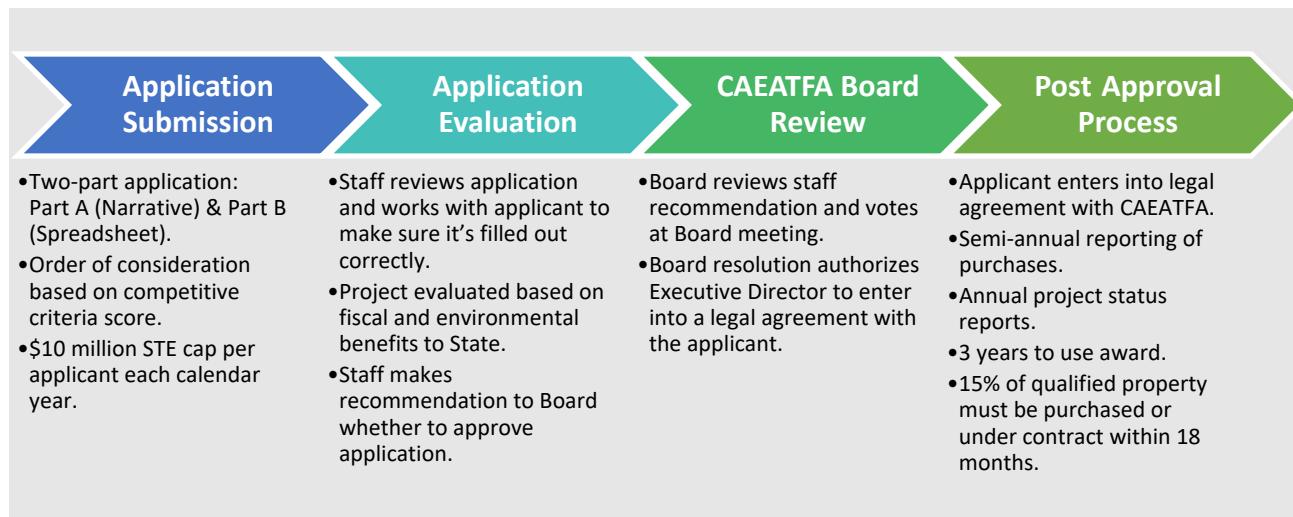
As of January 21, 2025, SB 86 (McNerney, 2025) proposes to permanently remove the STE Program sunset date and increase the annual allocation of \$100 million in STE to \$300 million. The bill also proposes to expand the definition of Alternative Sources to include devices or technologies used for an electrical generation facility that uses nuclear fusion technology. The reauthorization of the STE Program is critical as this type of tax incentive is one of California's resources used to attract manufacturing and innovation. For many businesses, the decision to build or relocate in California is contingent upon whether an STE, along with other resources and funding, is provided. The STE works to increase manufacturing-based jobs, economic activity, and environmental savings. The loss of this powerful incentive would significantly hinder California's ability to attract manufacturers and reach the State's greenhouse gas emission goals.

Program Design and Evaluation Methodology

Overview of Application Process

To ensure a broad distribution of awards, CAEATFA divides the annual \$100 million allocation into three different pools of STE: (1) a \$20 million STE small-project pool for projects requesting \$2 million or less in STE; (2) a \$65 million STE general pool (capped at \$10 million in STE); and (3) a \$15 million STE large-project pool for applicants with projects requesting more than \$10 million in STE from the general pool. All application pools are made available at the first application deadline of the year. Figure 1 below provides a general overview of the STE application process.

FIGURE 1: OVERVIEW OF STE APPLICATION PROCESS



Net Benefit Analysis

Under the STE Program's statute, CAEATFA evaluates all applications to determine the extent to which the anticipated benefits to the State from a project exceed the estimated cost of the excluded sales and use tax. Specifically, through the net benefits test established in the STE Program's regulations, CAEATFA evaluates applicants based on criteria designed to measure the fiscal and environmental benefits, as well as other benefits of their projects.

CAEATFA staff evaluates the fiscal and environmental benefits that stem directly from the STE. Only the anticipated marginal additional production (and resulting fiscal and environmental benefits) associated with the sales and use tax exclusion are included for purposes of evaluating applications. The marginal additional production associated with the STE is determined based on an estimated increase in equipment purchases resulting from the STE — because the STE in effect lowers the cost of purchasing capital equipment, applicants are assumed to purchase more equipment than would be the case in the absence of the STE.

The net present value of the total *fiscal benefits* over the lifetime of the qualified property is derived from the applicant's projected sales taxes, personal income taxes paid by the applicant's employees, corporation taxes on profits, property taxes and other indirect fiscal benefits of the applicant.

The methodology used to evaluate the *environmental benefits* differs based on the project type. The evaluation of Advanced Manufacturing projects focuses on the benefits resulting from the manufacturing process used to create a product, whereas evaluation of Alternative Source, Advanced Transportation, and recycling projects focuses on the benefits resulting from the end-product being manufactured.

For Alternative Source and Advanced Transportation projects, the environmental benefits include estimates of the dollar value of greenhouse gas reductions and reduction on dependence of fossil fuels. The environmental benefits are also derived from the capacity of manufactured products to generate electricity from alternative sources, thereby reducing the need for traditionally generated electricity. For recycling projects, the environmental benefits include estimates of the dollar value of greenhouse gas reductions resulting from the increased total amount of recycled materials produced. CAEATFA relies on models from the U.S. EPA, California Air Resources Board, and other state agencies for quantifying the environmental benefits of recycling the various types of materials.

Because the environmental benefits of Advanced Manufacturing projects generally stem from the improvements to the manufacturing process itself, the environmental benefits for Advanced Manufacturing projects are not monetized in the application scoring process as they are with Alternative Source and Advanced Transportation projects. Instead, points are given for specific environmental process improvements, such as reductions in energy and water consumption, solid and hazardous waste, and air and other pollutants.

Applications are evaluated to determine whether there is a fiscal benefit to the State, only considering the marginal increase in investment resulting from the STE. Figure 2 illustrates the estimated (at the

Who May Apply for an STE?

Eligible manufacturers looking to establish, relocate or expand their manufacturing facilities in California may apply for an STE.

How Are Applications Evaluated?

Applications are evaluated based on the estimated fiscal and environmental benefits of the project.

What Can Be Purchased Using the STE?

Approved companies may use the STE for purchases of manufacturing equipment and machinery for up to three years, or when the project has reached its maximum Qualified Property amount, whichever comes first.

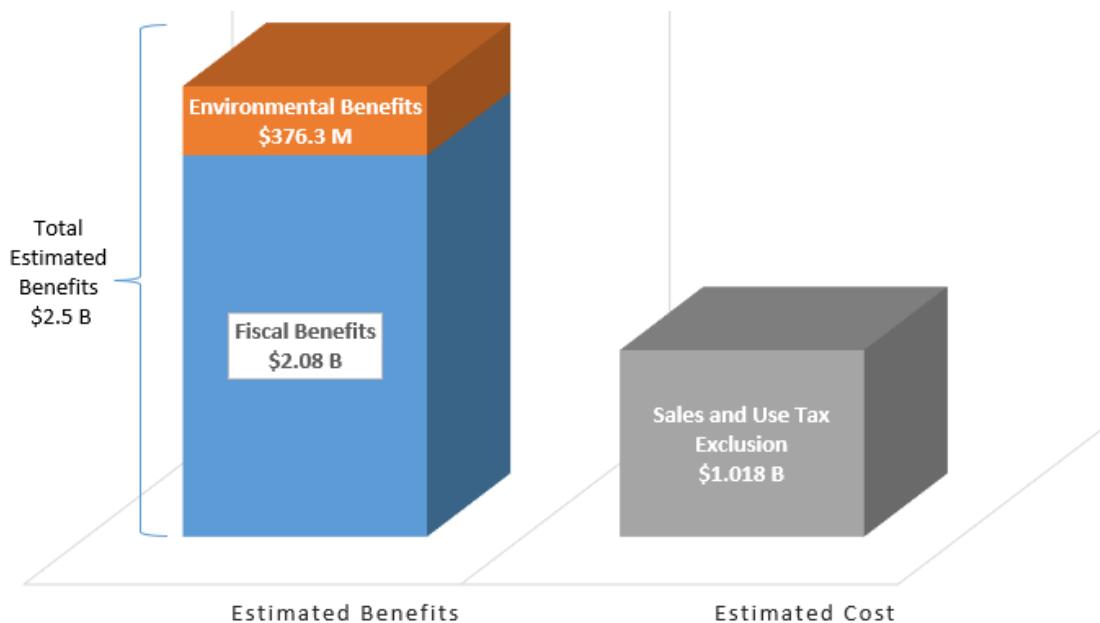
Are There Any Program Fees?

Yes, there is an application fee of 0.05% of the Qualified Property amount requested (min \$250, max \$10,000) and an administrative fee of 0.4% of the Qualified Property amount actually purchased during the term of the award (min \$15,000, max \$350,000).

Sales and Use Tax Exclusion (STE) Program for Manufacturers

time of application) net benefit over the life of the program—approximately \$1.44 billion as of December 2024.

FIGURE 2: ESTIMATED STE NET BENEFIT¹



Historical Program Activity

From the STE Program's inception through December 31, 2024, CAEATFA approved a total of 364 project applications, of which 354 entered into an agreement to formally receive an STE award.² From the 354 application, 106 are active, 174 are complete, and 74 did not move forward or are now inactive.

The 280 active and complete projects were approved for a total of \$12.1 billion in anticipated qualified property purchases estimated to result in approximately \$1 billion in STE. These projects are located across 38 counties and are estimated to result in the retention and creation of 123,462 jobs. Under the program's evaluation process, 5,828 of these jobs are attributable to the STE Program. The projects are anticipated to produce an estimated \$376.3 million in environmental benefits and \$2.08 billion in fiscal benefits, resulting in approximately \$1.44 billion in net benefits to the state.

The program was fully subscribed in years 2015 through 2023, awarding the full \$100 million in annual STE, and an additional \$15 million in STE authorized for lithium extraction projects in 2022 and 2023. Such results are largely attributed to the growing number of projects assisted, as well as several large projects.

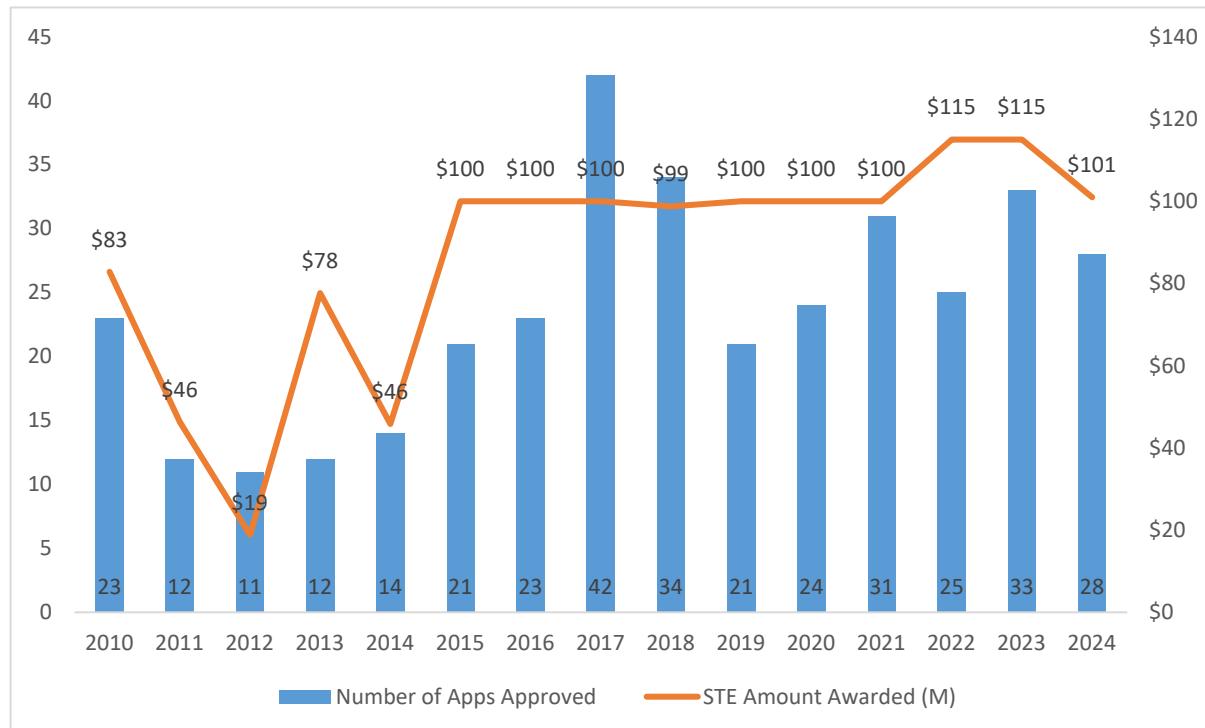
¹ This net benefit is derived from only accounting for active and completed projects. Estimated benefits may not add up precisely due to rounding.

² Previous annual reports didn't distinguish between approved applicants that entered into an agreement with CAEATFA or not. Any STEs that were granted to applicants who did not sign an agreement were reallocated to approved applicants who did enter into an agreement. See Appendix A for approved Applicants who did not sign an agreement.

Sales and Use Tax Exclusion (STE) Program for Manufacturers

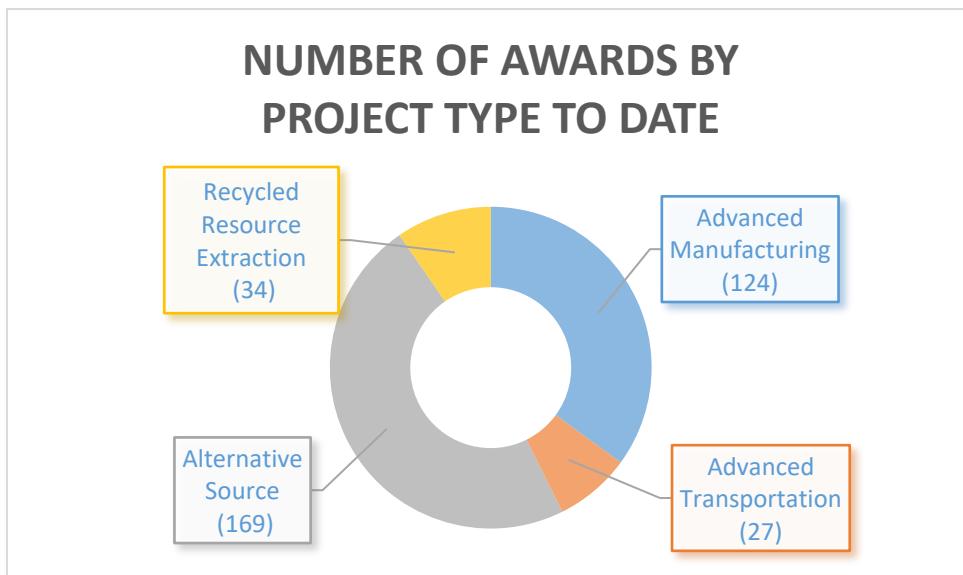
Figure 3, below, shows the total number of STE projects considered each calendar year.

FIGURE 3: ANNUAL STE APPLICATIONS AND VALUE OF AWARDS

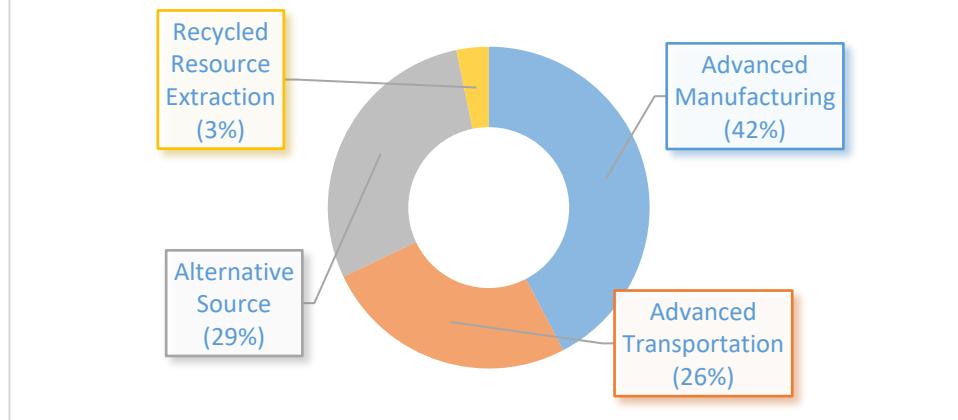


The largest number of approved projects have been in the Alternative Source category, while a higher amount of STE has been awarded to projects in the Advanced Manufacturing category.

FIGURE 4: APPROVED PROJECTS BY STE AWARD AND NUMBER



PERCENTAGE OF STE AMOUNTS AWARDED BY PROJECT TYPE



Detailed information on projects considered under the STE Program since its inception can be found in Appendix A.

Report of 2024 Activities

STE Applications Received

In 2024, CAEATFA received 34 new applications with a combined value of approximately \$2.77 billion in anticipated qualified property purchases at the time of application submittal and were estimated to result in approximately \$234 million in STE.³ Appendix B lists all 2024 applications received and the original amounts requested.

Program's Administrative Framework

In February 2022, emergency regulations approved in November 2020 and December 2021 were adopted under the formal rulemaking process. Changes⁴ addressed STE Program oversubscription, economic impacts of the COVID-19 pandemic, and improvements to streamline STE Program administration, as well as technical and grammatical changes that were included in the emergency regulations.

STE Project Pools and Order of Consideration

Because the STE Program is limited to awarding \$100 million in STE each calendar year under current statute, in order to help ensure a broad distribution of awards and ability to assist large, scalable projects, CAEATFA established an annual per-applicant cap and allocated STE into different pools based on the amount requested in an application. The modified regulations approved in November 2020 included a \$20 million pool of STE available through September for small projects requesting

³ The estimated STE amount is based on the average statewide sales tax rate at the time, which was 8.44%.

⁴ Detailed in the [CAEATFA 2021 Annual Report to the California State Legislature](#)

Sales and Use Tax Exclusion (STE) Program for Manufacturers

\$2 million or less; and a \$15 million pool of STE for larger projects that apply to exceed the \$10 million per-applicant cap. At the first Board meeting of the year during which applications are considered, this \$15 million large project pool is available to award on a competitive basis (up to \$10 million per applicant) in addition to the \$10 million in STE those applicants may receive from the general pool.⁵ If any of the \$20 million small project set-aside remains after the September Board meeting, it is made available to award to all applicants beginning in October.

Other critical regulation modifications included changing the competitive criteria (as described below) and disallowing waitlisted applications that were submitted but not evaluated due to program oversubscription, to carry over into the new year for priority consideration.

Application Periods

To enable CAEATFA staff to adapt and respond to program demand, modified regulations approved in December 2021 established that effective in 2022, the Executive Director will announce application periods for the STE Program on the CAEATFA website⁶ prior to the start of each calendar year, including:

- (1) application periods;
- (2) application submission deadlines for each application period;
- (3) tentative dates of CAEATFA Board meetings for consideration of applications; and
- (4) the amount of STE available to award during each application period.

Previously, submitted applications would be considered on a rolling basis, at the first CAEATFA Board meeting occurring at least 60 calendar days after receipt. However, review and consideration has required more than 60 calendar days. The Executive Director may also reschedule and amend any announced application period by providing notice on the CAEATFA website and may reschedule or relocate any previously announced Board meeting so long as the information is posted on the CAEATFA website at least ten (10) days before the scheduled meeting. Essentially this prevents applications from being submitted after an application deadline and having un-reviewed applications sit for a long period of time before staff can assess how much STE is available.

Oversubscription and Competitive Process

For the 2024 calendar year, CAEATFA was statutorily authorized \$115 million in STE to award. STE Program Regulations provide that if the amount requested by the last Applicant considered exceeds the STE available in the calendar year, CAEATFA shall award the remaining STE request using STE from the following calendar year, up to \$2 million.⁷ Accordingly, the CAEATFA Board awarded \$2 million from the 2024 calendar year to the last 2023 Applicant, which resulted in the STE Program being limited to \$113 million in STE for its first application period in 2024.

CAEATFA held its first application period from January 1, 2024 through January 19, 2024, and received 33 Applications requesting \$233 million in STE, exhausting the Program's small, general and large

⁵ Requests from the \$15 million in STE pool are limited to \$10 million in STE per-Applicant (California Code of Regulations Title 4, Division 13, Section 10032(a)(5)(B).

⁶ California Code of Regulations Title 4, Division 13, Section 10032(a)(1)

⁷ California Code of Regulations Title 4, Division 13, Section 10032(a)(7)(A)

Sales and Use Tax Exclusion (STE) Program for Manufacturers

project pools; there were no applications submitted for the lithium extraction project pool. During the initial review period, one Application was deemed incomplete, two withdrew, and three (non-lithium) were waitlisted. During this review period, due to the oversubscription of the STE Program's small and large project pools in 2024, applications were ranked based on the following competitive criteria:⁸

- (1) Applicants with Recycled Resource Extraction Projects or Projects that produce an Advanced Transportation Technology or an Alternative Source product, component, or system (100 points);
- (2) the unemployment rate of the county in which the project is located compared to the annual average statewide unemployment rate (up to 50 points);
- (3) the amount of the sales tax exclusion per job created as a result of the estimated marginal increase in equipment purchased from the STE (up to 75 points);
- (4) if the project is to relocate or rebuild 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 (50 points);
- (5) if the applicant has corporate headquarters located in California (15 points);
- (6) if the applicant is not eligible to use any of the exemptions established pursuant to Section 6377.1 of the Revenue and Taxation Code (administered through the California Department of Tax and Fee Administration) (50 points); and
- (7) if the Project's industry is in an Emerging Strategic Industry (75 points)⁹

Pursuant to the competitive process and pools of STE established in program regulations, CAEATFA presented 27 of the 33 Applications before the Board for consideration at its July 16, 2024, Board meeting. All 27 Applications, totaling \$98 million in STE were approved, leaving only \$15 million of STEs in the lithium extraction project pool for the year.

CAEATFA held its second application period from July 1, 2024 through July 19, 2024, accepting Applications for the lithium extraction project pool; CAEATFA received one Application by the end of the deadline. Because there was no oversubscription, the competitive process was not applied to this application cycle. At the September 17, 2024, Board meeting, CAEATFA brought the one Application totaling \$968,357 in STE before the Board for consideration. The Application was approved, leaving approximately \$14 million in STE for 2024.

CAEATFA held its third application period from September 23, 2024 through October 25, 2024; no new Applications were received.

In total, the Authority allocated \$100,968,357 (includes the \$2 million from 2023) of the \$115 million in STE for 2024. The amount remaining was lithium extraction STEs, which expired at the end of the year.

⁸ California Code of Regulations Title 4, Division 13, Section 10032(a)(7)(B)

⁹ Qualifying projects in an Emerging Strategic Industry did not become a competitive criterion until December 2021.

Project Locations and Anticipated Benefits

The 2024 approved projects are located in 15 counties throughout California. It is expected that these projects will provide economic benefits to the state and local jurisdictions in the form of corporate taxes, personal income taxes, sales and property tax revenues, increased employment, and additional economic activity created by the manufacturing facilities and purchases from related suppliers.

Based on the net benefits methodology embodied in the STE Program regulations and on representations from these applicants, the Authority estimates the applications approved in 2024 are anticipated to result in estimated combined environmental benefits valued at approximately \$90.3 million and fiscal benefits valued at approximately \$232.3 million over the lifetime of the projects. Together, these projected environmental and fiscal benefits minus the STE investment of roughly \$99 million will result in approximately \$223.6 million in estimated net benefits over the lifetime of the projects. See Table 1, below, for a breakdown of the various projects and anticipated benefits by county.

TABLE 1: STE APPROVED PROJECTS BY COUNTY IN 2024¹⁰

| County ¹¹ | Number | Amount of Anticipated Qualified Property Purchases | Projected STE Amount | Estimated Environmental Benefit Value ¹² | Estimated Fiscal Benefit Value | Estimated Quantifiable Net Benefit Value ¹³ | Total Jobs | Total Jobs Attributed to the STE |
|----------------------|-----------|--|----------------------|---|--------------------------------|--|--------------|----------------------------------|
| Alameda | 1 | \$23,600,000 | \$1,991,840 | \$0 | \$10,585,958 | \$8,594,118 | 3,412 | 40 |
| Fresno | 3 | \$93,158,784 | \$7,862,601 | \$4,078,697 | \$13,978,958 | \$10,195,054 | 312 | 40 |
| Imperial | 2 | \$242,694,824.64 | \$20,483,443 | \$9,876,704 | \$26,796,194 | \$16,189,456 | 202 | 22 |
| Kern | 4 | \$162,375,463.32 | \$13,704,489 | \$5,143,212 | \$46,968,758 | \$38,407,480 | 1,173 | 55 |
| Kings | 1 | \$7,556,035 | \$637,729 | \$349,395 | \$1,101,993 | \$813,659 | 37 | 4 |
| Los Angeles | 2 | \$161,033,412.32 | \$13,591,220 | \$1,865,932 | \$16,621,129 | \$4,895,841 | 531 | 34 |
| Madera | 2 | \$7,975,494 | \$673,132 | \$388,351 | \$1,275,913 | \$991,132 | 52 | 6 |
| Monterey | 1 | \$22,704,008 | \$1,916,218 | \$82,362 | \$4,238,047 | \$2,404,191 | 961 | 22 |
| Orange | 2 | \$86,803,169 | \$7,326,188 | \$19,174,195 | \$21,922,129 | \$33,770,136 | 331 | 28 |
| Sacramento | 1 | \$177,725,118.48 | \$15,000,000 | \$23,938,074 | \$28,826,267 | \$37,764,341 | 737 | 62 |
| San Bernardino | 1 | \$11,473,423 | \$968,357 | \$0 | \$766,533 | -\$201,823 | 70 | 4 |
| San Diego | 1 | \$5,750,934 | \$485,379 | \$0 | \$429,774 | -\$55,605 | 100 | 6 |
| Santa Clara | 4 | \$150,105,574.99 | \$12,668,911 | \$24,459,094 | \$56,050,851 | \$67,841,034 | 1,314 | 71 |
| Solano | 1 | \$5,135,087 | \$433,401 | \$208,021 | \$791,021 | \$565,641 | 36 | 4 |
| Tulare | 2 | \$14,519,536 | \$1,225,449 | \$755,623 | \$1,934,346 | \$1,464,521 | 106 | 10 |
| Total | 28 | \$1,172,610,863.75 | \$98,968,357 | \$90,319,660 | \$232,287,871 | \$223,639,176 | 9,374 | 408 |

¹⁰ Projected STE amounts and estimated benefits may not add up precisely due to rounding.

¹¹ There are applicants with multiple project sites. For purposes of this table, the data was applied to the primary county.

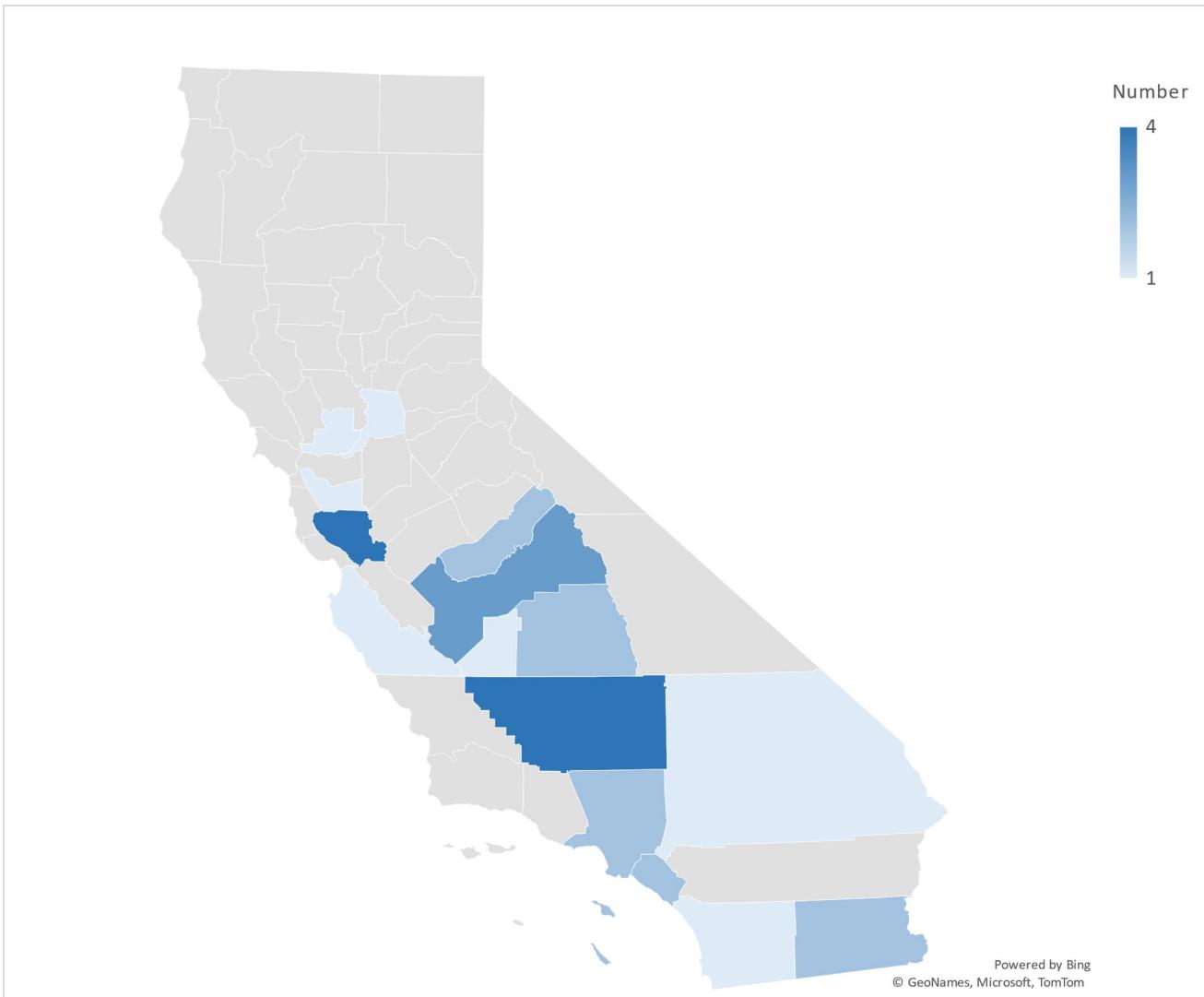
¹² The environmental benefits for Advanced Manufacturing projects are not monetized in the application scoring process as they are with Alternative Source and Advanced Transportation projects. Instead, points are given for specific environmental process improvements, such as reductions in energy and water consumption, solid and hazardous waste, and air and other pollutants.

¹³ See footnote 12 above. Environmental benefits are not monetized for Advanced Manufacturing projects, so dollar values for the Net Benefit do not reflect the entire estimated benefit to the state.

Sales and Use Tax Exclusion (STE) Program for Manufacturers

Figure 5 shows a geographical representation of all projects approved under the STE Program in 2024.

FIGURE 5: STE PROJECTS APPROVED IN 2024, BY COUNTY



Emerging Strategic Industries

In November 2021, the Executive Director issued a list of Emerging Strategic Industries (ESI) pursuant to Section 10031(m) of the program's regulations. These industries include activities associated with the development, exploration, and production of lithium within California's "Lithium Valley" that the Executive Director has identified as having a potentially significant impact on the State's environmental goals or economy, the advancement of which are in the public interest, and which advance the purposes of the program.

In 2024, four projects qualified under the ESI designation, totaling approximately \$432 million in qualified property for an estimated STE value of \$35.5 million across four counties. This consists of one lithium recovery and processing project, two lithium battery related manufacturing projects, and one geothermal brine and steam production project.

Sales and Use Tax Exclusion (STE) Program for Manufacturers

In November 2024, the Executive Director issued a modification to the ESI list to be effectuated in calendar year 2025. As part of the modification, the battery NAICS codes (originally only applicable to lithium batteries) were broadened to include batteries for electric vehicles, home, and commercial storage, or grid scale energy storage. Additionally, the ESI list was expanded to include semiconductor and related supply chain components, semiconductor manufacturing equipment, as well as research and development in NanoTech.

TABLE 2: LIST OF EMERGING STRATEGIC INDUSTRIES

| Product | NAICS Code |
|--|------------|
| Lithium compounds | 325180 |
| Geothermal steam | 221330 |
| Batteries for electric vehicles, home and commercial energy storage, or grid scale energy storage | 335911 |
| Batteries for electric vehicles, home and commercial energy storage, or grid scale energy storage | 335912 |
| Leading-edge, current-generation, or mature-node semiconductors or components used in the semiconductor supply chain | 334413 |
| Semiconductor manufacturing equipment | 333242 |
| Research and Development in NanoTech | 541713 |

CALIFORNIA HUB FOR ENERGY EFFICIENCY FINANCING PROGRAMS



Program Summary

The California Hub for Energy Efficiency Financing (CHEEF) programs, marketed as GoGreen Financing, use a loan loss reserve (LLR) model to incentivize private capital in the financing of energy efficiency upgrades for residential, business, and multifamily structures. The CHEEF's financing programs incentivize private lenders to provide improved terms and expanded credit criteria, funding the LLR with Investor-Owned Utility (IOU) ratepayer funds earmarked for public programs.

Improved access to attractive, low-cost financing helps remove the upfront cost barrier for Californians to undertake energy efficiency retrofits and leverages private capital to reduce the energy transition burden on public funds.

Background

The State of California has ambitious goals to reduce greenhouse gas (GHG) emissions and address climate change. In order to meet these goals, the Legislature passed the California Global Warming Solutions Act of 2006 (Assembly Bill 32), which required the creation of a comprehensive, multi-year program to reduce GHG emissions in California. In the subsequent Scoping Plans, intended to describe the approach California will take to reduce GHGs, one of the primary methods identified was increasing efficiency in existing buildings. The Clean Energy and Pollution Reduction Act of 2015 (Senate Bill 350) later mandated the doubling of energy efficiency in existing buildings by 2030.¹⁴ Billions of square feet of existing commercial and residential properties—both the structures themselves and the energy-using equipment they house—are in need of energy upgrades. The vast amount of energy efficiency upgrades needed requires a coordinated effort between private and public partnerships. CHEEF programs help spur private investment to support project activity and move California toward reaching its goals.

The California Public Utilities Commission (CPUC) Decision (D.) 13-09-044 authorized a series of financing programs designed to attract private capital to finance energy efficiency upgrades and established the CHEEF. The CPUC requested that the California Alternative Energy and Advanced Transportation Financing Authority (CAEATFA) assume the administration of the CHEEF programs and directed the IOUs and CPUC staff to assist CAEATFA with implementation.

¹⁴ Achieving comprehensive and cost-effective energy efficiency in all existing buildings is state policy, and one of three primary approaches to meet California's aggressive energy and environmental targets [e.g., Senate Bill 100 (De Leon, 2018), Senate Bill 32 (Pavley, 2016), Assembly Bill 802 (Williams, 2015), Senate Bill 350 (De Leon, 2015), Assembly Bill 758 (2009, Skinner), Assembly Bill 32 (Nunez, 2006)].

California Hub for Energy Efficiency Financing (CHEEF) Programs

CAEATFA created the CHEEF programs according to the CPUC goals that the solutions should:

- (1) Be scalable;
- (2) Leverage private capital to support energy efficiency upgrades;
- (3) Reach underserved Californians who would not otherwise have participated in energy efficiency upgrades; and
- (4) Produce energy savings.

CAEATFA works with the CPUC, IOUs, finance companies, energy efficiency retrofit contractors, and several key vendors to develop and manage the series of energy efficiency financing programs. The financing programs developed and launched through the CHEEF, known collectively as the *GoGreen Financing Programs*, include:

- **GoGreen Home Energy Financing** (formerly the Residential Energy Efficiency Loan Assistance Program, or REEL), which provides financing for energy efficiency upgrades in residential properties for owners and renters of single-family homes, townhomes, condominiums, duplexes, triplexes, quadplexes and mobile and manufactured homes
- **GoGreen Business Energy Financing** (formerly the Small Business Energy Efficiency Financing Program, or SBF), which provides financing for energy efficiency upgrades in commercial businesses, nonprofits, and market-rate multifamily properties through a variety of financing products, including equipment leases and energy savings agreements
- **GoGreen Affordable Multifamily Energy Financing** (formerly the Affordable Multifamily Energy Efficiency Financing Program, or AMF), which provides financing for energy efficiency upgrades in affordable, deed-restricted multifamily properties of 5 or more units where at least 50% of units are income restricted. As of 2024, GoGreen Multifamily is administered through the GoGreen Business program.

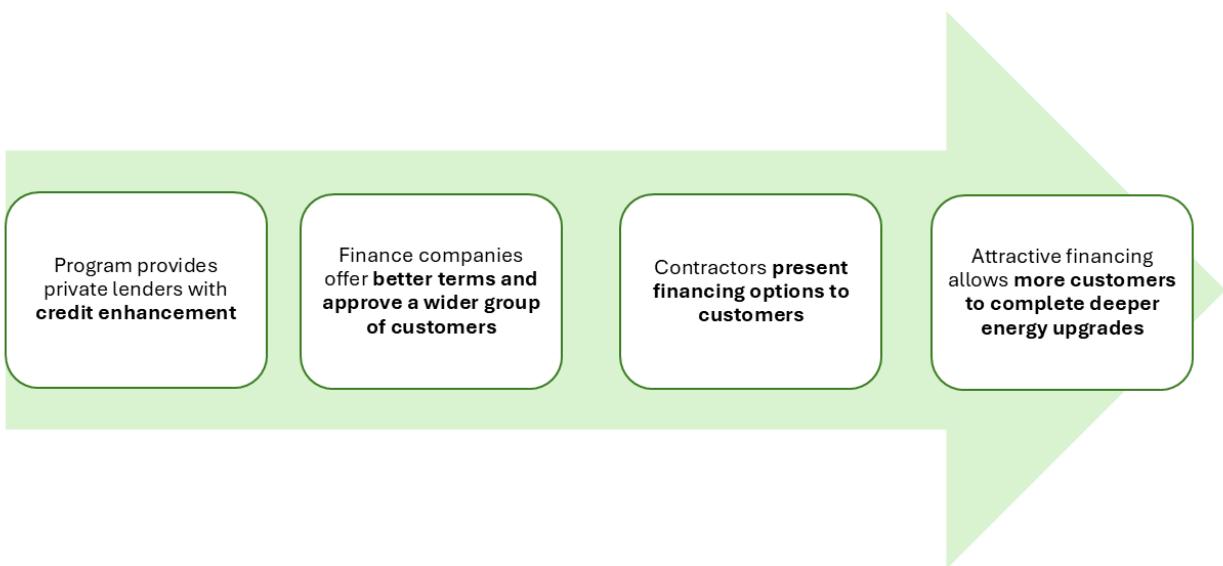
TABLE 3: CHEEF PROGRAMS AT A GLANCE

|  GoGreen Home |  GoGreen Business |  GoGreen Multifamily |
|--|--|---|
| <p>Customers: Single family homes, owners or tenants (incl condos, multiplexes, and mobile homes)</p> <p>Financing Options:</p> <ul style="list-style-type: none">• Loans from \$1,000 to \$50,000• Current rates: 3.98%-10.74%• Standard loans and appliance microloans available | <p>Customers: Small businesses, nonprofits, and market-rate multifamily properties</p> <p>Financing Options:</p> <ul style="list-style-type: none">• \$5,000-\$5 million with option for on-bill repayment• Complements IOU On-Bill Financing program | <p>Customers: Multifamily properties where at least 50% of units are restricted to LMI households</p> <p>Financing Options:</p> <ul style="list-style-type: none">• Equipment finance and efficiency service agreements from \$10,000 to \$10 million |

Interest rates cited for GoGreen Home are as of 2/17/25

The Credit Enhancement

FIGURE 6: CHEEF CREDIT ENHANCEMENT PROCESS



The GoGreen Financing programs under the CHEEF use a credit enhancement in the form of a loss reserve to support leveraging of private capital and expand access to financing for borrowers. Under this model, funds equal to some percentage of the loan value (typically 5% for both residential and commercial, depending on risk and the size of loan) are deposited into a lender's loss reserve. In the event of default, the lender may file a claim against the loss reserve and, provided sufficient contributions have accumulated, be made 90% whole. As loans are paid off, their credit enhancement contributions are "rebalanced" back to GoGreen Home or GoGreen Business for deployment on future loans.

Lenders find the loss reserve a very attractive form of risk mitigation. In exchange for access to it, credit unions and private finance companies "enhance" the borrower's creditworthiness during underwriting and **offer better terms and approve more customers**. Better terms for customers include lower rates, larger financing amounts, and longer repayment periods, which in turn lead to lower monthly payments. The credit enhancement also allows private finance companies to expand access to financing to Low-to-Moderate Income (LMI) and credit-challenged borrowers, including renters, tenants, and mobile home residents. Within GoGreen Business, newer businesses and tenant occupants are able to qualify.

How GoGreen Financing Addresses Barriers

There are a significant number of barriers and challenges within the energy efficiency financing market, and GoGreen Financing works to address them through program design features, structure and dual-language (English and Spanish) targeted outreach. These barriers include limited access to private capital for financially underserved borrowers, upfront cost of engaging in efficiency upgrades, and the complexities involved with lending to customers and businesses with complex debt stacks.

The CHEEF addresses these challenges in targeted actions and through its program design, as described below:

TABLE 4: MARKET BARRIERS AND CHEEF SOLUTIONS

| Market Barrier | The CHEEF's Solution |
|---|---|
| Upfront cost for customers | <ul style="list-style-type: none"> • 100% financing available • Broader access to capital and improved financing terms |
| Owner/tenant split incentives | <ul style="list-style-type: none"> • Renters and tenants eligible • Financing not secured by the property |
| Complex (and sometimes slow) rebate and incentive process | <ul style="list-style-type: none"> • Projects do not require use of rebates or incentives • Quick private lender financing approval • Contractor prefunding and progress payments available • Flexibility: 30% of financing can be nonenergy measures, such as landscaping or remodeling |
| Borrowers have complex debt structure | <ul style="list-style-type: none"> • Multiple financing structures available, including the potential for off-balance sheet treatment |
| Customers are too busy to undertake retrofits | <ul style="list-style-type: none"> • Program trains contractors to help remove complexity • Established role for project developers to help coordinate and guide commercial projects • Collaboration with IOUs to strengthen market impact and fill gaps • Statewide marketing to help raise awareness |
| Consumer protection | <ul style="list-style-type: none"> • Program establishes minimum criteria for lenders and trains enrolled contractors on the program requirements • Desktop reviews and post-project site inspections • Lenders expand terms while maintaining underwriting standards |
| Financially underserved borrowers | <ul style="list-style-type: none"> • Program meets the borrowers where they are – single, to-code, and self-install measures are available, as well as comprehensive projects • Program design has flexibility to address traditionally underserved customers: renters, tenants, mobile homes, new businesses, LMI borrowers • Marketplace microloan provides underserved borrowers with a lower-interest alternative to credit cards for appliances purchased on utility marketplaces |
| Limited options for affordable energy upgrade financing | <ul style="list-style-type: none"> • Program addresses common barriers of private capital providers (who may be hesitant to enter into the clean energy financing space or may have more restrictive underwriting requirements due to concerns related to the risks and uncertainties of lending for energy efficiency projects) by providing structure, vetting contractors and measures, and reducing loss risk. |

Benefits to Stakeholders

The CHEEF's credit enhancement, approach to market barriers, and overall program structure lead to a number of key benefits for financing stakeholder groups, including the State of California.

TABLE 5: CHEEF BENEFITS TO STAKEHOLDERS

|  |  |  |  |
|--|---|---|---|
| Customers | Contractors | Lenders | California |
| <ul style="list-style-type: none"> ✓ Lower energy usage ✓ Better financing terms ✓ Lower monthly payments ✓ 100% financing, no property lien | <ul style="list-style-type: none"> ✓ Deeper retrofits ✓ Larger scopes of work ✓ Support from statewide marketing ✓ Online listing helps attract new customers | <ul style="list-style-type: none"> ✓ Mitigate risk through the loss reserve ✓ Approve wider range of borrowers ✓ Enter new markets and asset class | <ul style="list-style-type: none"> ✓ More energy saved in communities across the state ✓ Benefits of energy savings extended to underserved borrowers |

Report Activity

GoGreen Financing Updates

In 2024 the GoGreen Financing programs mobilized \$72 million in private capital investment for energy-saving upgrades to more than 4,400 homes and businesses, a 52% increase over capital leveraged in 2023 (\$46 million). Both GoGreen Home and GoGreen Business began offering financing for solar photovoltaic, battery storage, electric vehicle (EV) chargers and other clean energy measures, and CAEATFA staff implemented key cost and operational efficiencies.

Under authorization granted by the CPUC in Decision D.23-08-026, CAEATFA launched clean energy financing eligibility for GoGreen Home in June 2024 with longer terms and higher caps (20 years and \$75,000) for projects including solar and battery storage (excludes financing for standalone solar or for battery storage in the absence of solar photovoltaic). The clean energy launch for GoGreen Business that followed in July includes solar, battery storage, EV chargers, anaerobic digesters and wind turbines. In 2023 TECH Clean California announced that it would not renew funding to support GoGreen Financing eligibility for customers in electric publicly owned utility (POU) service areas such as SMUD and LADWP, a category that encompasses some 20% of the state's population. Following the announcement, CAEATFA staff sought and successfully secured a replacement source of funding, signing an agreement on September 5, 2024 with the California Energy Commission's Equitable Building Decarbonization (EBD) program to use \$30 million in California Climate Investment funds to

support financing of electric measures for residential customers of POUs statewide. Of the \$30 million, \$18 million is to be used to credit enhance heat pumps and other electric measures, and \$9 million will fund an interest rate buy-down (IRBD) with target interest rates of 0%-2% for low-income households in disadvantaged communities installing heat pump technology. The agreement provides valuable continuity for lenders and contractors and access to exceptional financing for customers during a critical phase of the state's campaign to install 6 million heat pumps by 2030. Simultaneously, the agreement provides a pathway for underserved Californians to participate in the clean energy economy.

In 2024 staff took two important measures to encourage program efficiencies. On January 1 CAEATFA implemented a new GoGreen Home loan loss reserve contribution structure designed with lender support to extend the availability and impact of credit enhancement funds. The new structure reduces contributions for lower-risk loans while maintaining lender protections for higher-risk loans. As of December 31, 2024, the new formula had resulted in an average loss reserve contribution of \$1,364 compared with \$3,021 under the old formula. This change, coupled with a new annual rebalancing methodology, will allow GoGreen Home to recycle and deploy credit enhancement dollars more efficiently and for more loans in the future.

Secondly, in July GoGreen Home staff announced a new online project portal designed to streamline operations for contractors, reduce the administrative burden on lenders, and enable the program to scale. The portal also saves program costs by allowing processes formerly completed by a contracted organization to be brought in-house. The new portal is featured in all contractor marketing materials, including flyers, the website and on webinars.

GoGreen Business enrollments more than doubled compared with last year thanks in large part to a successful IRBD promotion renewed by CAEATFA on July 1. Staff also worked with PG&E to complete the required tariff for on-bill repayment (OBR), a key offering for GoGreen Business and an advantageous product for customers. OBR is now available through GoGreen Business for commercial customers in all four IOU service areas.

During 2024, CHEEF administrative costs continued to decrease, the result of streamlined data processing and a reduced need for external assistance.

GoGreen Home Energy Financing (GoGreen Home)

CAEATFA serves California's single-family residential sector through the GoGreen Home Energy Financing Program. GoGreen Home provides advantageous financing options to owners and renters of existing residential properties who select from a broad list of energy efficiency measures intended to reduce energy consumption. Customers may upgrade a single-family home, townhome, condo, duplex, triplex, fourplex or manufactured home. Renovations for up to four units can be bundled into the same loan.

The Impact of GoGreen Home: Standard Loans

GoGreen Home's microloan product (<\$5,000) is reported on page 23. The data in the section below only includes standard loans enrolled through one of GoGreen Home's credit union lenders.

In 2024, the GoGreen Home Program enrolled 3,108 loans worth nearly \$66 million, a 46% increase in number and 49% increase in volume compared with 2023 (2,123 loans totaling \$44 million). Loans enrolled in GoGreen Home since program inception in 2016 totaled 8,031 loans valued at \$159 million at the end of 2024. For every one dollar of credit enhancement funds allocated in 2024, \$15.54 in private capital was leveraged through GoGreen Home. This is significantly higher than in previous years (2016-2023 average was \$6.26) due to the adjustment in loan loss reserve contributions detailed above.

The most commonly installed energy efficiency measures in 2024 were, in order: conventional HVAC equipment, such as an electric air conditioner combined with a gas furnace; heat pump HVACs, which



use electricity to heat and cool homes; cool roofs, typically featuring a light-colored surface that reflects heat; windows; insulation; and solar with battery storage. The number of decarbonization projects financed through GoGreen Home rose, with 878 projects enrolled over the course of the year compared with 592 in 2023 (a 47% increase). The average size of a GoGreen Home loan in 2024 was \$21,203. (Pictured: a gas furnace, left, and a gas hot water heater in a home utility space. Photo courtesy Michigan Saves.)

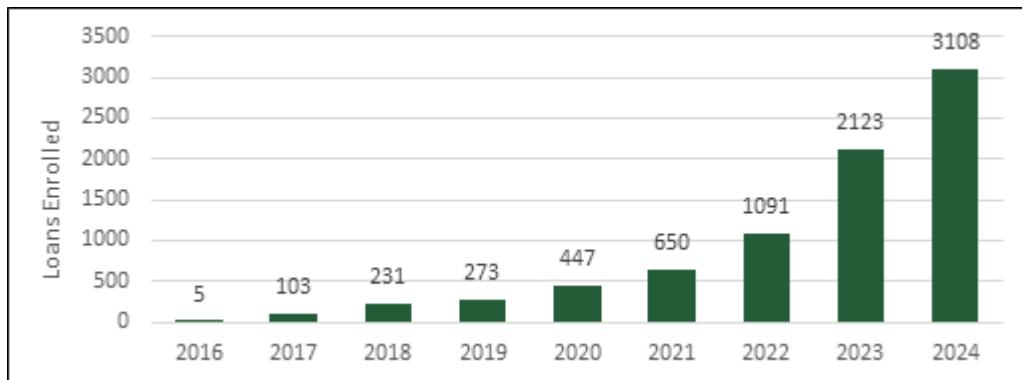
In 2024, one credit union stopped enrolling loans in the GoGreen Home program and one credit union joined the program with a statewide offering. At year's end borrowers could choose from eight lenders offering the standard GoGreen Home loan product and 1,301 participating contractors across the state. Additionally, Lewis & Clark Bank, with its channel partner Enervee, continued offering instant financing for self-install energy efficient appliances through the SoCalGas and Eco Financing online marketplaces.

Over the course of 2024, 58 total loans were charged off, bringing to 125 the total number of charge-offs since program inception (1.53% of all loans enrolled). These loans have resulted in \$1,377,551 in net credit enhancement funds being expended to cover a share of the lenders' losses.¹⁵

¹⁵ Net credit enhancement funds expended is calculated as Claims Paid less Recoveries.

Figure 7 shows the growth of GoGreen Home since its inception in 2016.

FIGURE 7: GOGREEN HOME PROGRAM GROWTH



Financing for Underserved Californians

The GoGreen Home regulations define underserved borrowers as those with a credit score below 700. GoGreen Home lenders receive a credit enhancement of 20% of the claim eligible amount financed if the borrower is considered underserved. In 2024, 259 loans, or 8.34%, were made to borrowers meeting this definition of underserved. Since program inception in 2016, 1064 loans (13.26%) have been made to borrowers meeting this definition.

Additionally, CAEATFA tracks borrowers residing in low-to-moderate-income (LMI) census tracts and those in Disadvantaged Communities (DACs) as measured by CalEnviroScreen¹⁶.

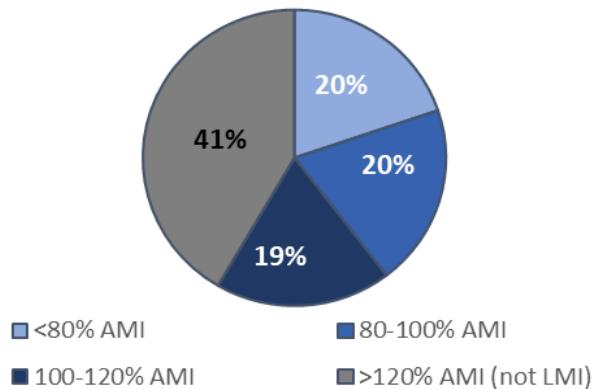
60% of loans and 58% of dollars financed in 2024 were made to upgrade properties in LMI census tracts. Of those loans:

- 19% of property upgrades were made in census tracts with an average income <80% of the Area Median Income (AMI);
- 22% of upgrades were in census tracts with an average income 80-100% of AMI; and
- 19% of upgrades were in census tracts with an average income 100-120% of AMI.

¹⁶ (<https://oehha.ca.gov/calenviroscreen>) Figures in this report are for borrowers in the top quartile of pollution-burdened census tracts.

In 2024, 11.6% of loans were made to upgrade properties in DACs. Since Program inception, 12.3% of GoGreen Home loans have been made to upgrade properties in DACs, and 59% of loans have been made to LMI borrowers.

FIGURE 8: LOANS MADE TO UPGRADE PROPERTIES BY CENSUS TRACT INCOME (ALL-TIME)



The Impact of TECH and EBD Funding for Credit Enhancements

In April 2022 an agreement reached between CAEATFA and the TECH Clean California Initiative implementer made TECH funds available for credit enhancements of heat pump technologies and other electric equipment in POU territories where customers receive gas service from an IOU. In 2023, the TECH implementer announced that those funds, once exhausted, would not be renewed. The announcement prompted CAEATFA to intensify the search for an alternative source of funding to support continued eligibility for POU electric residential customers, who number roughly 8 million, or about 20% of the state's population.

CAEATFA continued using TECH funds to credit enhance loans through November 30, 2024. During that time TECH funds supported 392 loans worth \$8,464,989 in 2024; these included installation of



295 pieces of equipment that use heat pump technology. Of the 392 loans utilizing TECH funding in 2024, 293 loans totaling \$6,157,223 were credit-enhanced by TECH funds alone, meaning they could not have been financed through GoGreen Home otherwise. (Pictured: the condenser unit of an air source heat pump. Heat pumps extract cool air from the outdoors in summer and pump it indoors to cool the home; in winter they extract warm air from the outdoors and pump it indoors to heat the home. Photo courtesy Wikimedia Commons.)

TECH funding for credit enhancements has been an important part of CAEATFA's decarbonization support strategy. While TECH-funded projects in POU territories have not comprised the majority of

heat pump-related loans in the GoGreen Home portfolio (the Program financed 878 heat pump projects in 2024), electric POUs are natural advocates for decarbonization and therefore an obvious choice of partner for CAEATFA regarding decarbonization efforts.

With this in mind, and in light of the State's goal to install 6 million heat pumps by 2030, CAEATFA responded to TECH's announcement of funding nonrenewal by seeking an alternative source of funding in order to continue offering financing eligibility to POU customers. As described in the section above, on September 5, CAEATFA signed an agreement with EBD for \$30 million in California Climate Initiative funds to support financing in POUs statewide, regardless of gas provider (a modest expansion over the TECH funds, which were limited to POU electric/IOU gas customers). Per staff projections, the \$30 million will credit enhance 14,000 projects in POU service areas over the next 5–7 years and help reduce interest rates for 2,300 low-income borrowers in disadvantaged communities who are installing heat pump technology.

On December 1, 2024, CAEATFA began deploying EBD funds to credit enhance qualifying loans in POU service areas. From December 1–31, EBD funding supported 40 loans worth \$913,029; these included installations of 39 pieces of equipment that use heat pump technology. Of the 40 loans utilizing EBD funds in that period of time, 34 loans totaling \$708,653 were credit enhanced entirely with EBD funds, meaning they could not have been financed through GoGreen Home otherwise.

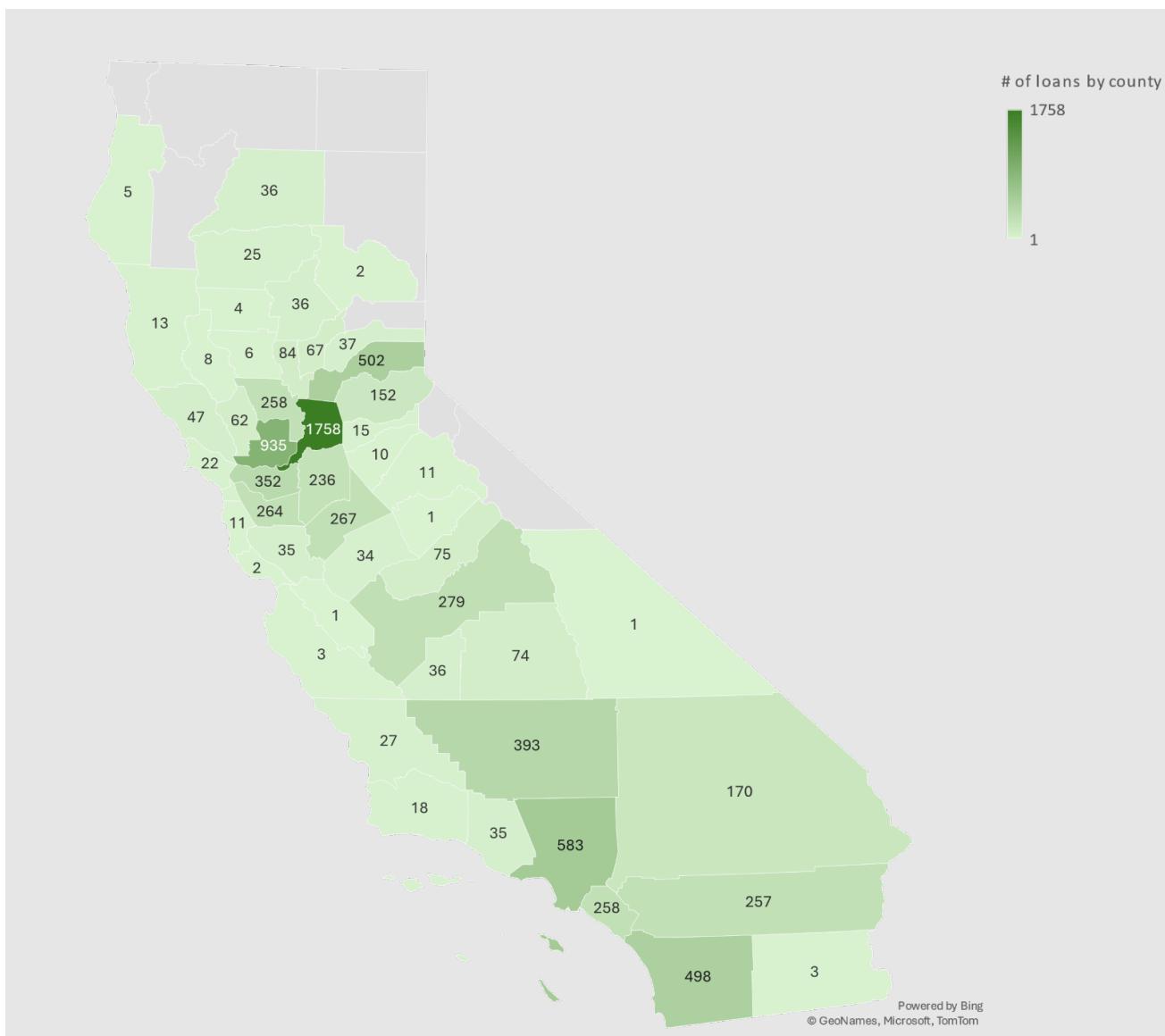
CAEATFA looks forward to rolling out the 0%–2% IRBD for low-income disadvantaged borrowers in Spring 2025.

California Hub for Energy Efficiency Financing (CHEEF) Programs

Statewide Financing

GoGreen Home has made loans to borrowers in 48 counties. Figure 9 shows the number of GoGreen Home loans enrolled, by county, from the start of the program through the end of 2024.

FIGURE 9: GOGREEN HOME LOANS ENROLLED BY COUNTY



Microloans Available through GoGreen Home

Marketplace microloans bring GoGreen Home's attractive financing to online point-of-purchase sales of energy efficient appliances on select utility marketplaces. Offered by appliance marketplace provider Enervee and backed by the GoGreen Home credit enhancement, Enervee's Eco Financing product launched on the Southern California Gas Marketplace in August 2021 and was paused in June 2022 to allow Enervee to onboard a new lender.

California Hub for Energy Efficiency Financing (CHEEF) Programs

In June 2023, following a yearlong hiatus, Enervee resumed microloan enrollments with a new lender, Lewis and Clark Bank, offering Eco Financing on the SoCalGas Marketplace. Eco Financing is also available to electricity customers of PG&E, San Diego Gas & Electric and Southern California Edison.

In 2024 the GoGreen Home credit enhancement facilitated financing for 1,285 microloans, a 178% increase over 2023 (463); the average loan size was \$1,635 for a total of \$2,101,395. The total financed since program inception in August 2021 is 2,244 microloans, with an average loan size of \$1,593 for a grand total of \$3,574,903. Of the microloans financed through the program, 519 have been charged off and 352 have been paid in full; 1,181 remain outstanding.

The microloans provide a pathway for underserved borrowers to afford energy efficient equipment. A majority of microloan borrowers are renters, and many are credit-challenged or low-income. CAEATFA is aware of the need to balance the benefits of microloans for underserved borrowers with the mandate to lend responsibly and is monitoring the default rate for Eco Financing microloans.

Next Steps

CAEATFA continues to address operational barriers to help scale GoGreen Home and bring the program to the next stages of its growth. Some of the efforts anticipated to take place in 2025 will include:

- Working to onboard high-volume lenders who have the capacity to help the program scale by:
 - Networking with energy organizations that have successful relationships with credit unions, banks, CDFIs and/or specialty finance companies at clean energy conferences and events; or networking directly with lenders at these events
 - Attending business events that attract finance companies
 - Presenting at meetings of credit union and CDFI associations
 - Approaching high-volume credit unions and banks (cold calls)
- Continuing to investigate non-IOU sources of funding to support GoGreen Home
- Clarifying or modifying regulations to ensure eligibility for reconstruction projects following natural disasters

GoGreen Business Energy Financing (GoGreen Business)

The GoGreen Business Energy Financing Program launched in 2019. GoGreen Business was designed to address multiple challenges to energy efficiency retrofits in the small business sector, including the lack of time and capital business owners are able to put towards energy upgrades, the limited access to attractive financing options for small businesses (which are often viewed as greater credit risks by finance companies), and the mixed incentives for property owners and tenants.

Small business owners and nonprofits, whether they own or rent the business property, are eligible for GoGreen Business. The program defines “small businesses” as those that meet at least one of the following size criteria:

- 100 or fewer employees

California Hub for Energy Efficiency Financing (CHEEF) Programs

- \$16 million or less in annual revenue
- Alignment with the SBA definition of “small business” based on NAICS code (up to \$41.5 million in annual revenue, depending on industry)

The GoGreen Business Credit Enhancement

GoGreen Business offers a credit enhancement to improve access to private capital for small business energy efficiency projects. The first qualifying \$1 million of each GoGreen Business project is credit enhanced as follows:

- The first \$50,000 of each financing agreement is credit enhanced at 20%
- The remainder (up to an additional \$950,000) is credit enhanced at 5%
- Maximum loss reserve contribution per project is \$57,500

Financing Instruments

The private finance companies that participate in GoGreen Business offer several financing options beyond traditional loans that address the financing needs of small businesses. This variety of products has already drawn interest in the program. The financing instruments available to borrowers through GoGreen Business include:

- Loans — Customer takes ownership of measures
- Equipment Leases/Equipment Finance Agreements
 - Customer gets use of measures
 - Title can transfer at end of lease term or at the beginning of term (Equipment Finance Agreement)
- Efficiency Service Agreements
 - Regular, ongoing service and maintenance of measures is provided to the customer
 - Title does not transfer to the customer
 - Guarantee of functionality of measures or guarantee of energy savings
 - Customer is cash flow-positive from day one

Program Design

GoGreen Business was designed to fill gaps and complement financing options available for small businesses, including C-PACE and the IOUs’ On-Bill Financing (OBF) programs. The 2022 launch of On-Bill Repayment (OBR) functionality for GoGreen Business (details below) makes it a more effective and attractive complement to these existing programs, in particular OBF. The program’s design takes into consideration several factors that are unique to the small business market:

- The program **fills a niche** for small business customers in that it complements existing IOU-provided rebates and incentives, as well as the IOUs’ OBF programs. Financing through GoGreen Business can be used for customers who do not qualify for OBF due to insufficient bill payment history, for installations that do not meet IOU requirements such as rebates or bill neutrality, and for financed amounts greater than the capped amounts of OBF. CAEATFA staff work together with the IOUs to promote GoGreen Business and its ability

to serve as an alternative to or in combination with existing programs, especially as the IOUs contract with third-party implementers to offer energy efficiency programs in the commercial sector.

- Motivations for completing energy upgrades among small businesses are different from those of residential customers. Small businesses need **direct outreach** from an energy efficiency program or local contractor to explain the benefits of energy upgrades and guide them through the process.
- GoGreen Business prioritizes **flexibility** in its offerings, both in terms of eligible energy-saving measures and available financing options. Measures can qualify through multiple pathways, including a custom method, and projects may finance code-required repairs and other nonenergy components. The multiple financing options offered by the participating finance companies, such as leases and efficiency service agreements, are also attractive.

Program Activity in 2024

New financing activity for GoGreen Business in 2024 continued building on momentum established in 2023. Finance companies enrolled 44 new projects — more than double the 2023 total of 19 — worth a combined financed amount of \$4,056,372. The new enrollments brought the total number of financing agreements enrolled since program inception to 83 and the total amount financed to \$8,094,998.

As in 2023, enrollments in 2024 were aided by the Go Low interest rate buy-down promotion launched in April 2023 and renewed in July 2024. Modeled after a pilot promotion undertaken in 2021 and 2022, the IRBD sets aside up to \$10,000 per project to facilitate lower interest rates through participating lenders; in some cases, rates are reduced to 0%. As staff hoped, the IRBD has galvanized program activity and activated a cohort of contractors who previously were not using the program: 43 of the projects enrolled in 2024 took advantage of the IRBD, underscoring the desirability of reduced interest rates. Staff expects to renew the GoGreen Business promotion in July 2025.

In coordination with utility staff, staff succeeded in launching On-Bill Repayment (OBR) functionality for Pacific Gas & Electric customers. OBR is now operational in all four IOU service areas.

In 2024, GoGreen Business onboarded microlender TMC Community Capital, which offers a fixed rate for loans of \$5,000-\$10,000 with a 24-month term limit. Currently eight participating finance companies offer financing through the program. 212 contractors and project developers were enrolled in GoGreen Business at the end of 2024.

Next Steps

In addition to expanding GoGreen Business offerings to include EV charging, rooftop solar in combination with battery storage, and other comprehensive clean energy measures CAEATFA will continue working on outreach to finance companies, project developers and contractors in an effort to establish momentum for GoGreen Business. Efforts planned for 2025 include:

- Launch of a microloan financing product for projects up to \$5,000 in Southern California

California Hub for Energy Efficiency Financing (CHEEF) Programs

- Continued contractor recruitment and engagement efforts to bolster the program's contractor network
- Seeking sources of funding for a loan participation product to act as an additional credit enhancement, including both drawing from the existing pool of ratepayer funds as well as federal funding
- Renewing engagement with IOU program implementers to offer a combination of enhanced financing and incentive programs
- Expanded use of On-Bill Repayment to motivate customers

GoGreen Affordable Multifamily Energy Financing (GoGreen Multifamily)

The GoGreen Affordable Multifamily Energy Financing Program targets a critical but hard-to-reach element of the state's existing building stock: multifamily buildings and complexes that house low-income Californians. The program finances energy efficiency upgrades for multifamily properties of five or more units, where at least 50% of units are income-restricted at low-to-moderate (defined as up to 120% of Area Median Income). To be eligible for the program, properties must remain affordable for at least five years.

GoGreen Multifamily is designed to complement existing multifamily energy programs, specifically the Low-Income Weatherization Program (LIWP) administered by the State's Department of Community Services and Development, and the Solar On Multifamily Affordable Homes (SOMAH) program administered by the CPUC via a competitively selected team of nonprofit organizations. LIWP offers a generous incentive to qualifying affordable multifamily properties that install energy efficiency upgrades, and SOMAH requires the completion of an energy audit before issuing an incentive to install solar. CAEATFA specifically designed GoGreen Multifamily to work with these existing programs by offering its attractive financing for the portion of the measures not otherwise incentivized to help address gaps.

GoGreen Multifamily is able to finance a broad array of energy efficiency measures, as well as any energy efficiency measure approved for rebate and incentive by any IOU, Renewable Energy Network or Community Choice Aggregator. Non-energy measures may also be financed.

Key program features include:

- No minimum or maximum loan size
- The first \$1 million of each loan will be credit enhanced at 15% of the claim-eligible amount
- Fixed or variable rates allowed
- No underwriting requirements imposed on the finance company; underwriting is based on participating lenders' requirements

Progress and Outreach

CAEATFA launched GoGreen Multifamily in mid-2019 and quickly enrolled its first participating finance company, Renew Energy Partners, offering savings-based payment agreements for project

amounts of \$250,000 to \$10 million. In 2020, Ascentium Capital joined as the second participating finance company in the Program, offering financing for projects between \$10,000 and \$250,000.

Thus far, no property owners have used GoGreen Financing to upgrade their properties. CAEATFA staff believe this is due to a number of challenges in the affordable multifamily space: there is a significant amount of time and owner bandwidth needed to develop affordable multifamily energy projects, technical assistance is needed, affordable property owners are legally limited in their ability to recoup savings from in-unit upgrades, property owners must navigate complex debt structures to engage in new projects, and projects must satisfy very tight cash-flow requirements.

In 2024, staff incorporated affordable multifamily financing into the GoGreen Business regulations and programmatic offerings in order to realize operational efficiencies. Staff will continue engaging with affordable multifamily property owners, land trusts, government programs, and industry stakeholders in search of projects that might benefit from affordable financing.

Staff have pursued growth of projects in the AMF space through collaboration with other agencies including California's IBank, CDFI lenders, Inclusive Prosperity Capital, and non-profits such as the California Housing Partnership with the goal of offering property owners pre-assembled funding packages combining enhanced financing, incentives, philanthropic dollars, and federal funding to take the burden of pooling funding sources off the customer.

Nonresidential Program

The Nonresidential program, initially authorized through CPUC Decision 13-09-044, was designed to encourage energy efficiency financing for public entities, large businesses and nonprofits, and municipalities, universities, schools, and hospitals (MUSH) market properties. Unlike the other CHEEF programs, it did not include a credit enhancement as originally conceived; rather, the benefit offered by the Nonresidential program was planned to be On-Bill Repayment (OBR) functionality. Launch of the Nonresidential program was therefore dependent upon the development and launch of OBR.

At the end of 2019, the Nonresidential program had not been actively developed. Since CPUC Decision 17-03-026 required all pilots to be launched by the end of 2019, and since OBR was not yet developed, CAEATFA staff directed resources toward the launch and operations of the CHEEF's other programs.

In 2022, following the launch of OBR functionality, CAEATFA requested authorization via Track 2 of the CPUC's Clean Energy Financing Proceeding to re-launch efforts to develop this program and allow large commercial and public entities to access GoGreen Financing. In August 2023 the CPUC issued D.23-08-026 declining to reauthorize the Nonresidential program.

On-Bill Repayment (OBR)

On-Bill Repayment (OBR), whereby a borrower repays energy efficiency financing from a private lender through their utility bill, is viewed by the CPUC as a critical component of the CHEEF Programs as it has the potential to both encourage program uptake and reduce default rates.

In 2022, CAEATFA, in partnership with the IOUs and its Master Servicer, completed the development and initial implementation of OBR functionality for GoGreen Business. OBR functionality successfully launched in three IOU territories: San Diego Gas & Electric, Southern California Edison, and Southern

California Gas. The first project leveraging OBR functionality was enrolled in the Program in August 2022. In 2024, Pacific Gas & Electric operationalized its OBR platform, making OBR available for the first time in all four IOU service areas

Outreach

Consumer outreach – In 2024, the Statewide Marketing Implementer, Riester, built on foundations established in 2023, leveraging newly created assets and a refreshed website in a bilingual digital marketing campaign including search, programmatic display and paid social media. Campaign tactics reflected a focus on conversions, defined as clicks to lender or contractor pages, rather than the awareness campaigns that dominated in 2023. Accordingly, overall traffic to the site decreased (495,000 visits during 2024 compared with 744,000 in 2023), but the quality of traffic improved; outbound clicks (to both lenders and contractors) rose to 23,000 compared with 14,000 in 2023, and clicks to lenders numbered more than 10,000 in 2024 compared with 7,500 in 2023.

In 2025 CAEATFA staff will continue working with the Statewide Marketing Implementer to improve the customer journey with a loan calculator, badges to identify heat pump-trained contractors and other enhancements.

Contractor Outreach – Contractors are a critical driver of program success; the majority of customers, when asked how they heard about GoGreen Financing, reply that their contractor told them about it. (In turn, a high proportion of contractors learn about the program from customers or online searches, suggesting that consumer outreach is an important driver of contractor enrollment.) Outreach to new and already enrolled GoGreen Home and GoGreen Business contractors continued in 2024 through the efforts of CAEATFA's Contractor Manager, EGIA. Contractors received monthly emails promoting the program and its features as well as invitations to webinars on such topics as using the new portal, combining GoGreen Financing with rebates, and understanding the new clean energy financing products. CAEATFA staff also attended regional meetings of the California Solar and Storage Association to inform solar contractors about new clean energy financing opportunities, presented webinars to several networks of solar and storage contractors, and exhibited at the Institute of Heating and Air Conditioning Industries (IHACI) Trade Show in Pasadena. By the end of 2024, borrowers could choose from more than 1300 GoGreen Home contractors and more than 200 GoGreen Business contractors and project developers.

IOU Customer Outreach – Using new dual-language (English and Spanish) videos and other creative assets provided by the Statewide Marketing Implementer, the IOUs engaged in several robust marketing campaigns through their regional channels, including organic and paid social media, newsletters, and digital advertising. IOU marketing efforts are closely coordinated with those of the Statewide Marketing Implementer in order to maximize efficiencies.

PROPERTY ASSESSED CLEAN ENERGY (PACE) LOSS RESERVE PROGRAM



Program Summary

Property Assessed Clean Energy (PACE) allows local jurisdictions to finance renewable energy installations, energy and water efficiency retrofits, and electric vehicle charging infrastructure by issuing bonds that are repaid by participating property owners through their property tax assessments. The PACE Loss Reserve Program (the Program) was authorized in September 2013 to assist residential single family PACE financing by helping to increase its acceptance in the marketplace.

Legislative Background

PACE was initially launched in 2008 as a financing mechanism for energy efficiency and renewable retrofits. However, on July 6, 2010, the Federal Housing Finance Agency (FHFA) issued a pronouncement that PACE programs “present significant safety and soundness concerns” and violated standard mortgage provisions since PACE tax liens have priority over any other loan or mortgage. The concerns expressed by FHFA caused the majority of the residential PACE programs throughout the country to be placed on hold at that time, including many of the existing residential PACE programs in California.

In response to FHFA’s concerns and to further support the development of PACE in California, Senate Bill 96 (Committee on Budget and Fiscal Review, Chapter 356, Statutes of 2013) authorized CAEATFA to develop and administer the PACE Loss Reserve Program to mitigate risk to first mortgage lenders and collect data to better quantify actual risk, while helping the State reach its energy efficiency and renewable goals by supporting residential PACE. The PACE Loss Reserve was funded with an initial allocation of \$10 million.

Program Design

The goal of the Program is to put first mortgage lenders in the same position as they would have been without the PACE lien on the property. The PACE Loss Reserve makes first mortgage lenders whole for any direct losses incurred due to the existence of a PACE lien on a property. To that end, the Loss Reserve covers the following losses:

- (1) PACE payments made while a first mortgage lender is in possession of a property subject to a PACE assessment.
- (2) Any losses to the first mortgage lender up to the amount of outstanding PACE assessments in a forced sale for unpaid taxes or special assessments.

PACE administrators may participate in the Program by applying to CAEATFA and demonstrating that they meet the Program’s minimum underwriting criteria as established in statute and regulation.

Property Assessed Clean Energy (PACE) Loss Reserve Program

Once enrolled, each eligible financing originated by an enrolled PACE administrator and included in its semi-annual reports may be covered by the Loss Reserve for its full term, or until the Loss Reserve is exhausted. Additionally, PACE administrators that applied to the Program on or before June 9, 2014 were allowed to enroll their existing portfolios under the Loss Reserve to maximize the Program's effectiveness. To allow new PACE programs (created on or after March 10, 2014) to enroll in the Program without delaying their operations, the Loss Reserve also covers financings originated up to 30 days before their enrollment date.

Enrolled PACE administrators must report to CAEATFA on the size and status of their portfolios in March and October of each year. Each report includes detailed information on the financings issued during the reporting period, including the assessor's parcel number, principal amount, annual assessment amount and term. The October reports also include information on the size and value of the cumulative financing portfolio and information on energy and water savings resulting from the funded projects to the extent that information is available.

Participating PACE Programs

As of December 31, 2024, 22 PACE programs have participated in the PACE Loss Reserve Program and only four were still active.

Table 6, below, shows all of the PACE programs enrolled each year.

TABLE 6: PACE PROGRAMS ENROLLED EACH YEAR

| Enrollment Year | PACE Program (* denotes an active PACE Program) |
|-----------------|---|
| 2014 | <ul style="list-style-type: none">• mPOWER Placer• mPOWER Folsom• Berkeley FIRST• Sonoma County Energy Independence Program*• CaliforniaFIRST*• WRCOG HERO• SANBAG HERO• California HERO |
| 2015 | <ul style="list-style-type: none">• AllianceNRG• LA HERO• CaliforniaFIRST in LA County• Ygrene |
| 2016 | <ul style="list-style-type: none">• Home Run Financing (formerly PACE Funding) (CSCDA)*• CMFA PACE |
| 2017 | <ul style="list-style-type: none">• CSCDA HERO Program• Figtree PACE Program• Spruce PACE• mPOWER |

Property Assessed Clean Energy (PACE) Loss Reserve Program

| Enrollment Year | PACE Program (* denotes an active PACE Program) |
|-----------------|--|
| 2018 | <ul style="list-style-type: none">PACE Funding (WRCOG) |
| 2019 | <ul style="list-style-type: none">PACE Funding (LA County)CaliforniaFIRST (WRCOG) |
| 2020 | <ul style="list-style-type: none">FortiFi Financial (CSCDA)* |

Report on 2024 Activity

PACE Financing Portfolio

During initial program enrollment in June 2014, the eight participating PACE programs enrolled 17,401 PACE financings with a total principal value of over \$350,000,000. In 2024, CAEATFA enrolled 2,241 new PACE financings with a total principal value of \$93,462,911.

To date, the Loss Reserve covers 76,991 PACE financings with a total outstanding principal value of approximately \$1.8 billion. A chart of all Program enrollment activity as of December 31, 2024, can be found in Appendix C.

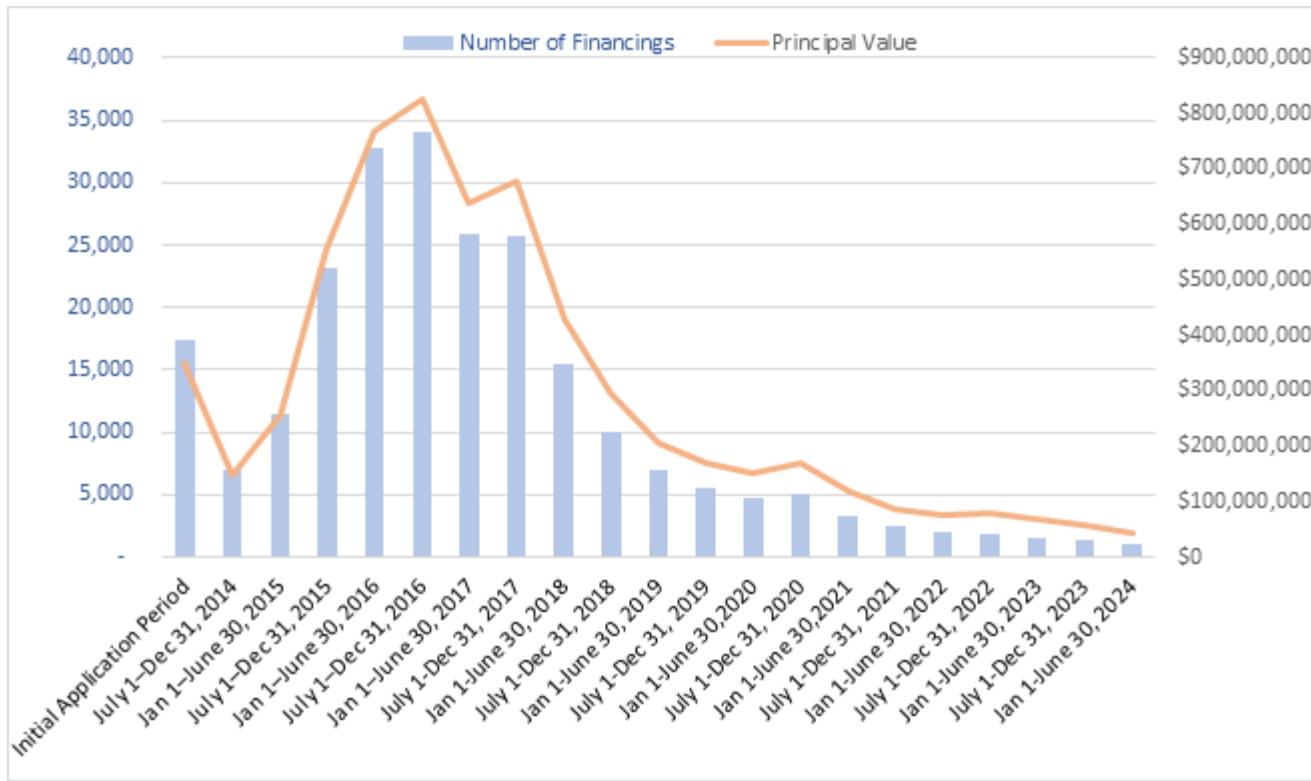
Claims

In 2021, CAEATFA received two claims from enrolled PACE programs for a total of \$11,585.31, which were paid to the first mortgage lenders pursuant to program regulations. There were no claims in 2022. In 2023, CAEATFA received and paid four claims for a total of \$392,024.49. For 2024, CAEATFA received and paid three claims totaling \$189,684.60. The remaining Loss Reserve balance is \$9,406,705.60.

Program Impact and Results

After the Program's launch, residential PACE saw a significant increase in origination activity, with residential PACE administrators offering PACE financing in most counties in California. Figure 10 below shows the initial growth of the enrolled portfolio of PACE financings in the Loss Reserve.

FIGURE 10: PACE ORIGINATION ACTIVITY



As the residential PACE market matured and became widely available throughout the state, legislation in 2016 and 2017 established consumer protection requirements, minimum underwriting (including ability-to-pay) criteria, and regulatory oversight of PACE under the California Department of Financial Protection and Innovation (DFPI), formerly the Department of Business Oversight (DBO). New PACE originations decreased considerably from the 2016 peak, and a more gradual downward trend continued after 2020.

The Loss Reserve covers PACE financings for energy and water efficiency improvements, electric vehicle charging infrastructure, and clean energy improvements. Table 7, below, details the estimated environmental savings from enrolled financings as of last reporting by each PACE program administrator.

Property Assessed Clean Energy (PACE) Loss Reserve Program

TABLE 7: ESTIMATED ENVIRONMENTAL SAVINGS FROM ENROLLED PACE FINANCINGS

| Program Name | Estimated Environmental Savings from Enrolled Financings ¹⁷ | Date Reported |
|--|--|---------------|
| mPOWER Placer | 23,598,985 kWh saved annually 4,365.8 MTCO2 saved annually | June 30, 2024 |
| mPOWER Folsom | 556,453 kWh saved annually 102.9 MTCO2 saved annually | June 30, 2024 |
| Berkeley FIRST | 54,408 kWh annually | June 30, 2024 |
| Sonoma County Energy Independence Program | 28,710,394 kWh over lifetime 159,421 MTCO2 over lifetime 136,724 therms over lifetime | June 30, 2024 |
| CaliforniaFIRST | 71,318,666 kWh generated annually 33,823,948 kWh saved annually 2,465,019 therms saved annually 88,652,654 gal saved annually | June 30, 2024 |
| WRCOG HERO Program | 220,221,402 kWh saved annually 152,039,740 gal saved annually | June 30, 2020 |
| SANBAG HERO Program | 132,505,173 kWh saved annually 81,867,045 gal saved annually | June 30, 2020 |
| California HERO Program | 528,699,930 kWh saved annually 351,224,953 gal saved annually | June 30, 2020 |
| AllianceNRG | 6,936,336 kWh generated annually 348,597 kWh saved annually 5,737 therms saved annually 727,985 gal saved annually | June 30, 2019 |
| LA HERO Program | 199,278,146 kWh saved annually 214,897,177 gal saved annually | June 30, 2020 |
| CaliforniaFIRST in Los Angeles County | 14,487,389 kWh generated annually 15,189,601 saved annually 1,106,986 therms saved annually 52,171,338 gal saved annually | June 30, 2024 |
| Ygrene Works Program | 64 MW generated over lifetime 3,301,996,513 kWh saved over lifetime 1,119,416 MTCO2 saved over lifetime 4,056,400,263 gal water saved over lifetime 40,234,395 ccf natural gas saved over lifetime | June 30, 2024 |
| Home Run Financing CSCDA (formerly PACE Funding CSCDA) | 31,443,358 kWh generated annually 2,014,872 kWh saved annually 402,516 therms saved annually 33,893,000 gal saved annually | June 30, 2024 |

¹⁷ Administrators use various distinct methodologies to assess the environmental impact of their program.

Property Assessed Clean Energy (PACE) Loss Reserve Program

| Program Name | Estimated Environmental Savings from Enrolled Financings ¹⁷ | Date Reported |
|--|---|---------------|
| California Municipal Finance Authority | 912,817,988 kWh generated over lifetime 819,371,251 kWh saved over lifetime 157,040 MTCO2 saved over lifetime 989,136 therms saved annually 1,041,617,827 gal saved over lifetime | June 30, 2020 |
| Spruce PACE | 336,585 kWh generated annually 1,312 kWh saved annually | June 30, 2019 |
| CSCDA HERO | 23,609,446 kWh saved annually 18,450,669 gal saved annually | June 30, 2020 |
| Figtree | 1,460,415 kWh saved annually | June 30, 2020 |
| mPOWER | 5,582,145 kWh saved annually 1,062.4 MTCO2 saved annually | June 30, 2024 |
| PACE Funding (WRCOG) | 1,208,360 kWh generated annually 87,157 kWh saved annually 4,115 therms saved annually 1,274,000 gal saved annually | June 30, 2021 |
| PACE Funding (LA County) | 591,251 kWh generated annually 1,184,827 kWh saved annually 10,131 therms saved annually 2,699,652 gal saved annually | June 30, 2021 |
| CaliforniaFIRST (WRCOG) | 538,747 kWh generated annually 40,418 kWh saved annually 2,946 therms saved annually 298,513 gal saved annually | June 30, 2024 |
| FortiFi Financial (CSCDA) | 544,358,479 kWh generated over lifetime 655,012,535 kWh saved over lifetime 134,117 MTCO2 saved over lifetime 607,458 therms saved annually 791,888,701 gal saved over lifetime | June 30, 2024 |

BOND FINANCING ACTIVITIES



Program Summary

CAEATFA has served as one of the State's primary alternative energy bond issuers since its inception in the 1980s. As a conduit bond issuer, CAEATFA has worked with both public and private entities in issuing over \$212 million in bond financing for 26 projects over its lifetime. The projects help to meet federal and state energy goals, and have included solar, hydroelectric, geothermal, biomass and cogeneration projects. A list of CAEATFA's outstanding bonds can be found in Table 8.

Most recently, CAEATFA successfully issued Qualified Energy Conservation Bonds to assist in the financing of a public utility's one megawatt (MW) solar project in San Diego (2010), and Clean Renewable Energy Bonds on behalf of the California Department of Transportation to install solar on approximately 70 of its properties across the state anticipated to save taxpayers \$52.5 million in energy costs.

The financial assistance and incentives that CAEATFA can provide as a conduit bond issuer are authorized by Federal statute and programs. CAEATFA did not have any new bond issuances in 2024.

CAEATFA continues to collaborate with stakeholders to discuss innovative approaches to meet the financing gaps for renewable energy and energy efficiency projects.

Outstanding Bonds

The Authority had one outstanding bond issue during 2024, amounting to a total of \$1,414.822 in bond debt as of December 31, 2024.

TABLE 8: OUTSTANDING BONDS

| Closing Date | Bond Short Name | Bond Type | Final Maturity | Amount of Issue | Outstanding Debt |
|--------------|---|--------------------|----------------|-----------------|------------------|
| 11/18/2010 | Fallbrook Public Utility District Solar Project Series 2010 | QECB ¹⁸ | 11/18/2027 | \$7,227,000 | \$1,414,822 |
| TOTAL: | | | | \$7,227,000 | \$1,414,822 |

¹⁸ Qualified Energy Conservation Bond

REPORT OF AUTHORITY'S FINANCES



This report on the Authority's finances is submitted pursuant to Public Resources Code Section 26017.

Revenues and Expenditures – FY 2023-24

The Authority's total revenues for fiscal year 2023-24 were \$2,542,131 and the total expenditures were \$5,510,000.

TABLE 9: REVENUES AND EXPENDITURES - FY 2023-24

| | |
|----------------------------------|-------------|
| Total Revenues ¹⁹ : | \$2,542,131 |
| <hr/> | |
| Expenditures: | |
| Salaries and Wages | \$1,943,000 |
| Staff Benefits | \$1,175,000 |
| Operating Expenses and Equipment | \$2,392,000 |
| Total Expenditures ²⁰ | \$5,510,000 |

Projected Needs and Requirements – FY 2024-25; FY 2025-26

The Authority anticipates it has the financial needs and requirements identified in Table 10 for the 2024-25 and 2025-26 fiscal years.

TABLE 10: PROJECTED NEEDS AND REQUIREMENTS²¹ – FY 2024-25; FY 2025-26

| | FY 2024-25 | FY 2025-26 |
|--|-------------|-------------|
| Total Salaries and Wages | \$3,607,000 | \$4,209,000 |
| Staff Benefits | \$1,223,000 | \$1,547,000 |
| Total Operating Expenses and Equipment | \$3,497,000 | \$2,165,000 |
| Total Projected Needs and Requirements | \$8,327,000 | \$7,921,000 |

¹⁹ Total revenues include fees collected from the STE and Bond Programs. Total revenues listed do not include reimbursements received from the IOUs to cover costs associated with CAEATFA's administration of the CHEEF.

²⁰ Total expenditures include expenditures associated with all CAEATFA programs, including the administration of the CHEEF.

²¹ The values in this Section are as reported in the [Governor's Proposed Budget for the 2025-26 fiscal year](#). The one-time \$30M funding provided by the California Energy Commission is not reflected in the Total Projected Needs and Requirements above.

APPENDIX A:

SALES AND USE TAX EXCLUSION

APPLICATIONS CONSIDERED TO DATE



Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|----|----------|---------------|---------------|--|---------------------|----------------|------------------------------|---|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 1 | 17-SM049 | 2017 | 6/20/2017 | Circular Polymers LLC | Lincoln | Placer | Advanced Manufacturing | Advanced Carpet Recycling | \$7,548,500.00 | \$635,584.00 | \$378,385.70 | \$4,507,387.30 | 60% | N/A | \$1,177,470 | \$541,886 | 78 | 6 | Active |
| 2 | 17-SM062 | 2017 | 11/14/2017 | Trademark Brewing, LLC | Long Beach | Los Angeles | Advanced Manufacturing | Beverage Production | \$1,854,741.00 | \$156,169.19 | \$97,886.48 | \$1,169,520.07 | 63% | N/A | \$808,675 | \$652,506 | 50 | 4 | Active |
| 3 | 18-SM002 | 2018 | 1/16/2018 | IF CoPack, LLC, dba Initiative Foods | Sanger | Fresno | Advanced Manufacturing | Advanced Food Production | \$17,115,645.00 | \$1,430,868.00 | \$803,254.56 | \$9,601,404.42 | 56% | N/A | \$3,266,279 | \$1,835,411 | 113 | 11 | Active |
| 4 | 18-SM018 | 2018 | 6/19/2018 | WET | Sun Valley | Los Angeles | Advanced Manufacturing | Water Feature Manufacturing | \$4,927,301.00 | \$411,922.00 | \$348,941.67 | \$4,155,982.96 | 84% | N/A | \$873,330 | \$461,408 | 280 | 5 | Active |
| 5 | 18-SM026 | 2018 | 10/16/2018 | CalBioGas Kern LLC | Bakersfield | Kern | Alternative Source | Dairy Biogas Production | \$31,909,025.00 | \$2,667,595.00 | \$1,567,740.63 | \$18,730,690.71 | 59% | \$359,810 | \$6,333,623 | \$4,025,838 | 100 | 8 | Active |
| 6 | 18-SM028 | 2018 | 10/16/2018 | CalBioGas West Visalia LLC | Tulare | Tulare | Alternative Source | Dairy Biogas Production | \$22,172,277.00 | \$1,853,602.00 | \$1,032,688.63 | \$12,338,002.57 | 56% | \$202,638 | \$3,655,350 | \$2,004,386 | 71 | 6 | Active |
| 7 | 19-SM030 | 2019 | 6/18/2019 | Sioneer Stockton, LLC | Stockton | San Joaquin | Recycled Resource Extraction | Glass Recycling and Pozzolan Manufacturing | \$15,370,837.00 | \$1,285,002 | \$358,616.21 | \$4,278,594.16 | 28% | \$231,501 | \$1,672,361 | \$618,859 | 28 | 4 | Active |
| 8 | 20-SM006 | 2020 | 1/21/2020 | Five Points Pipeline LLC | Riverdale | Fresno | Alternative Source | Dairy Biogas Production | \$15,017,114.00 | \$1,255,431 | \$1,119,583.28 | \$13,308,475.34 | 89% | \$213,374 | \$3,816,474 | \$2,774,417 | 33 | 2 | Active |
| 9 | 20-SM010 | 2020 | 3/17/2020 | Tandem Diabetes Care, Inc. | San Diego | San Diego | Advanced Manufacturing | Insulin Pumps and Related Products Manufacturing | \$60,000,000.00 | \$5,016,000 | \$1,627,016.67 | \$19,279,134.56 | 32% | N/A | \$5,767,662 | \$751,662 | 676 | 34 | Active |
| 10 | 20-SM013 | 2020 | 3/17/2020 | Zanker Road Resource Management, LLC | Gilroy | Santa Clara | Recycled Resource Extraction | Mixed Organics | \$24,395,182.00 | \$2,039,437 | \$0.00 | \$0.00 | 0% | \$64,373 | \$7,133,532 | \$5,158,468 | 70 | 6 | Active |
| 11 | 20-SM015 | 2020 | 3/17/2020 | Lockheed Martin Corporation | Palmdale | Los Angeles | Advanced Manufacturing | Aerospace Manufacturing | \$119,617,224.00 | \$10,000,000 | \$7,634,743.16 | \$90,489,509.51 | 76% | N/A | \$20,464,377 | \$10,464,377 | 2,830 | 80 | Active |
| 12 | 20-SM020 | 2020 | 3/17/2020 | Bar 20 Dairy Biogas, LLC | Kerman | Fresno | Alternative Source | Dairy Biogas Production | \$9,573,170.00 | \$800,317 | \$543,072.09 | \$6,433,241.86 | 67% | \$94,401 | \$1,358,931 | \$653,015 | 70 | 7 | Active |
| 13 | 20-SM022 | 2020 | 3/17/2020 | CalBioGas South Tulare LLC | Tulare | Tulare | Alternative Source | Dairy Biogas Production | \$52,471,257.00 | \$4,386,597 | \$2,430,188.23 | \$28,942,812.02 | 55% | \$585,588 | \$13,489,899 | \$9,688,890 | 243 | 20 | Active |
| 14 | 20-SM023 | 2020 | 3/17/2020 | CalBioGas North Visalia LLC | Visalia | Tulare | Alternative Source | Dairy Biogas Production | \$37,529,013.00 | \$3,137,425 | \$1,633,730.72 | \$19,436,811.30 | 52% | \$340,070 | \$8,030,185 | \$5,232,829 | 184 | 16 | Active |
| 15 | 20-SM024 | 2020 | 3/17/2020 | CalBioGas Buttonwillow LLC | Buttonwillow | Kern | Alternative Source | Dairy Biogas Production | \$21,123,032.00 | \$1,765,885 | \$815,908.45 | \$9,627,951.20 | 46% | \$191,126 | \$4,508,054 | \$2,933,294 | 110 | 9 | Active |
| 16 | 20-SM027 | 2020 | 3/17/2020 | Intuitive Surgical, Inc. and its Subsidiary, Intuitive Surgical Operations, Inc. | Sunnyvale | Santa Clara | Advanced Manufacturing | Advanced Robotic Surgical Systems and Tools | \$82,500,000.00 | \$6,897,000 | \$6,868,847.79 | \$81,568,490.91 | 99% | N/A | \$20,416,918 | \$13,519,918 | 2,064 | 56 | Active |
| 17 | 23-SM030 | 2020 | 3/17/2020 | Inland Empire Utilities Agency | Chino | San Bernardino | Alternative Source | Wastewater and Food Waste Biogas Capture and Production | \$76,377,224.00 | \$6,385,136 | \$5,213,030.47 | \$62,012,110.59 | 81% | \$127,703 | \$9,416,157 | \$3,158,724 | 323 | 57 | Active |
| 18 | 21-SM004 | 2021 | 3/16/2021 | Blue Line Transfer, Inc. | South San Francisco | San Mateo | Recycled Resource Extraction | Mixed Recycling | \$5,500,000.00 | \$467,500.00 | \$425,304.60 | \$5,022,023.55 | 91% | \$61,252 | \$1,894,035 | \$1,487,787 | 36 | 4 | Active |
| 19 | 21-SM011 | 2021 | 3/16/2021 | Rocket Lab USA, Inc. | Long Beach | Los Angeles | Advanced Manufacturing | Aerospace Manufacturing | \$6,443,921.00 | \$547,733.00 | \$449,779.39 | \$5,348,665.43 | 83% | N/A | \$2,213,498 | \$1,665,765 | 55 | 3 | Active |

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|----|----------|---------------|---------------|---|-------------------------|-----------------------------------|-------------------------|--|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 20 | 21-SM013 | 2021 | 3/16/2021 | Applied Materials, Inc. | Santa Clara; Sunnyvale | Santa Clara | Advanced Manufacturing | Semiconductor and Related Industries Fabrication Equipment Manufacturing | \$23,225,000.00 | \$1,974,125.00 | \$1,972,360.31 | \$23,224,114.38 | 100% | N/A | \$6,657,625 | \$4,683,500 | 3,599 | 22 | Active |
| 21 | 21-SM020 | 2021 | 3/16/2021 | Ameresco Forward RNG, LLC | Manteca | San Joaquin | Alternative Source | Landfill Gas to Renewable Natural Gas | \$26,374,850.00 | \$2,241,862.00 | \$2,216,809.02 | \$26,374,850.00 | 100% | \$3,084,347 | \$6,041,020 | \$6,883,505 | 31 | 3 | Active |
| 22 | 21-SM022 | 2021 | 3/16/2021 | Ameresco Chiquita RNG, LLC | Castaic | Los Angeles | Alternative Source | Landfill Gas to Renewable Natural Gas | \$27,722,495.00 | \$2,356,412.00 | \$0.00 | \$0.00 | 0% | \$3,244,711 | \$6,300,673 | \$7,188,972 | 31 | 3 | Active |
| 23 | 21-SM025 | 2021 | 3/16/2021 | Applied Medical Resources Corporation and its subsidiary, Applied Manufacturing LLC | Rancho Santa Margarita | Orange | Advanced Manufacturing | Medical Device Manufacturing | \$150,547,889.00 | \$12,796,571.00 | \$12,627,575.08 | \$149,033,867.62 | 99% | N/A | \$29,076,792 | \$16,280,222 | 5,608 | 300 | Active |
| 24 | 21-SM026 | 2021 | 3/16/2021 | Cepheid | Lodi; Sunnyvale; Newark | San Joaquin; Santa Clara; Alameda | Advanced Manufacturing | Medical Device Manufacturing | \$209,750,000.00 | \$17,828,750.00 | \$9,141,114.22 | \$108,088,257.95 | 52% | N/A | \$20,528,309 | \$2,699,559 | 3,435 | 182 | Active |
| 25 | 21-SM027 | 2021 | 3/16/2021 | Pacesetter, Inc | Sylmar | Los Angeles | Advanced Manufacturing | Medical Device Manufacturing | \$34,950,000.00 | \$2,970,750.00 | \$802,926.17 | \$9,475,862.46 | 27% | N/A | \$2,656,610 | -\$314,140 | 1,063 | 30 | Active |
| 26 | 21-SM028 | 2021 | 3/16/2021 | Brightmark Vlot RNG LLC | Chowchilla | Madera | Alternative Source | Dairy Biogas Production | \$29,698,976.00 | \$2,524,413.00 | \$2,203,659.17 | \$25,944,052.92 | 87% | \$1,496,092 | \$6,589,610 | \$5,561,289 | 96 | 9 | Active |
| 27 | 22-SM001 | 2022 | 6/21/2022 | Blue Mountain Electric Company LLC | Wilseyville | Calaveras | Alternative Source | Biomass Processing and Fuel Production | \$17,030,696.00 | \$1,447,609 | \$2,018.43 | \$23,915.00 | 0% | \$2,938,804 | \$1,719,760 | \$3,210,955 | 38 | 6 | Active |
| 28 | 22-SM003 | 2022 | 6/21/2022 | Best Express Foods, Inc. | Stockton | San Joaquin | Advanced Manufacturing | Advanced Food Production | \$6,795,730.00 | \$577,637 | \$574,370.04 | \$6,791,925.50 | 100% | N/A | \$4,096,277 | \$3,518,640 | 75 | 5 | Active |
| 29 | 22-SM010 | 2022 | 6/21/2022 | QuantumScape Battery, Inc. | San Jose | Santa Clara | Advanced Manufacturing | Lithium Battery Cell Manufacturing | \$114,844,599.00 | \$9,761,791 | \$3,230,137.97 | \$38,395,937.56 | 33% | N/A | \$59,767,963 | \$50,006,172 | 610 | 596 | Active |
| 30 | 22-SM014 | 2022 | 6/21/2022 | Sugar Valley Energy, LLC | Brawley | Imperial | Advanced Manufacturing | Biomass Processing and Fuel Production | \$117,647,058.82 | \$10,000,000 | \$15,192.00 | \$180,000.00 | 0% | N/A | \$35,469,579 | \$25,469,579 | 421 | 39 | Active |
| 31 | 22-SM019 | 2022 | 6/21/2022 | BHE Renewables, LLC, and its subsidiaries Magna Power Company, CE Generation, LLC; and Black Rock Geothermal, LLC | Calipatria | Imperial | Alternative Source | Geothermal Brine and Steam Production | \$188,422,290.00 | \$16,015,895 | \$0.00 | \$0.00 | 0% | \$9,631,034 | \$21,719,219 | \$15,334,358 | 602 | 77 | Active |
| 32 | 22-SM020 | 2022 | 6/21/2022 | BHE Renewables, LLC, Magna Power Company; BHER Minerals, LLC; CE Generation, LLC; TerraLithium, LLC; TL BHER Holdings, LLC; and BHER TL Tech, LLC | Calipatria | Imperial | Advanced Transportation | Lithium Recovery and Processing | \$21,434,530.00 | \$1,821,935 | \$314,069.35 | \$3,742,766.42 | 17% | \$138,939 | \$1,836,944 | \$153,948 | 47 | 6 | Active |
| 33 | 22-SM021 | 2022 | 6/21/2022 | Swift Solar, Inc. | San Carlos | San Mateo | Advanced Manufacturing | Solar Photovoltaic Manufacturing | \$8,490,000.00 | \$721,650 | \$119,992.26 | \$1,420,990.52 | 17% | N/A | \$671,440 | -\$50,210 | 72 | 6 | Active |
| 34 | 22-SM023 | 2022 | 6/21/2022 | Aemetis Advanced Fuels Keyes, Inc. | Ceres | Stanislaus | Alternative Source | Ethanol Production | \$22,703,169.00 | \$1,929,769 | \$780,909.88 | \$9,248,458.88 | 41% | \$2,539,767 | \$12,866,848 | \$13,476,845 | 36 | 1 | Active |
| 35 | 22-SM026 | 2022 | 6/21/2022 | Heraeus Precious Metals North America LLC | Santa Fe Springs | Los Angeles | Advanced Manufacturing | Precious Metals Recycling | \$15,900,000.00 | \$1,351,500 | \$874,755.14 | \$10,341,951.69 | 65% | N/A | \$2,363,186 | \$1,011,686 | 194 | 7 | Active |
| 36 | 22-SM027 | 2022 | 6/21/2022 | Mitra Future Technologies, Inc. | Mountain View | Santa Clara | Advanced Transportation | Iron-Based Cathode Production | \$5,484,877.00 | \$466,215 | \$119,464.11 | \$1,418,800.22 | 26% | \$708,758 | \$457,792 | \$700,335 | 80 | 7 | Active |

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|----|----------|---------------|---------------|---|----------------------|----------------------|------------------------------|---|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 37 | 22-SM028 | 2022 | 6/21/2022 | Trojan Battery Company, LLC | Santa Fe Springs | Los Angeles | Advanced Manufacturing | Lithium-Ion Battery Manufacturing | \$36,566,109.00 | \$3,108,119 | \$1,361,436.34 | \$16,163,379.13 | 44% | N/A | \$14,315,313 | \$11,207,193 | 509 | 23 | Active |
| 38 | 22-SM029 | 2022 | 6/21/2022 | California Safe Soil, LLC | McClellan | Sacramento | Recycled Resource Extraction | Mixed Organics | \$23,089,719.00 | \$1,962,626 | \$61,080.29 | \$728,542.17 | 3% | \$48,106 | \$3,333,560 | \$1,419,039 | 54 | 5 | Active |
| 39 | 22-SM030 | 2022 | 6/21/2022 | National Carbon Technologies California, LLC | Williams | Colusa | Alternative Source | Biocarbon Pellets Production | \$123,720,000.00 | \$10,516,200 | \$4,306,030.79 | \$51,090,361.68 | 41% | \$16,365,146 | \$8,953,287 | \$14,802,234 | 307 | 37 | Active |
| 40 | 22-SM032 | 2022 | 6/21/2022 | Ampaire, Inc. | Hawthorne; Camarillo | Los Angeles; Ventura | Advanced Transportation | Aircraft Hybrid Electric Powertrain Production | \$29,889,143.00 | \$2,540,577 | \$70,090.77 | \$836,290.02 | 3% | \$13,497,790 | \$4,413,720 | \$15,370,933 | 112 | 6 | Active |
| 41 | 22-SM035 | 2022 | 6/21/2022 | Califia Farms, LLC | Bakersfield | Kern | Advanced Manufacturing | Plant-Based Dairy Free Beverage Manufacturing | \$23,500,000.00 | \$1,997,500 | \$656,891.86 | \$7,759,403.82 | 33% | N/A | \$5,920,554 | \$3,923,054 | 298 | 10 | Active |
| 42 | 22-SM036 | 2022 | 6/21/2022 | Quidel Corporation | Carlsbad; San Diego | San Diego | Advanced Manufacturing | Medical Diagnostic Test Production | \$23,150,000.00 | \$1,967,750 | \$896,469.73 | \$10,676,953.23 | 46% | N/A | \$7,036,749 | \$5,068,999 | 1,411 | 42 | Active |
| 43 | 22-SM038 | 2022 | 6/21/2022 | CASS, Inc. | Oakland | Alameda | Recycled Resource Extraction | Mixed Metals Recycling | \$23,750,000.00 | \$2,018,750 | \$577,317.88 | \$6,864,025.08 | 29% | \$341,858 | \$4,185,039 | \$2,508,147 | 171 | 15 | Active |
| 44 | 22-SM039 | 2022 | 6/21/2022 | Touchstone Pistachio Company, LLC | Terra Bella | Tulare | Advanced Manufacturing | Pistachio Processing and Production | \$23,400,000.00 | \$1,989,000 | \$854,751.62 | \$10,070,594.79 | 43% | N/A | \$9,596,583 | \$7,607,583 | 278 | 8 | Active |
| 45 | 22-SM051 | 2022 | 6/21/2022 | Terray Therapeutics, Inc. | Monrovia | Los Angeles | Advanced Manufacturing | Biopharmaceutical Manufacturing | \$16,417,363.00 | \$1,395,476 | \$908,685.26 | \$10,798,607.87 | 66% | N/A | \$8,137,460 | \$6,741,984 | 108 | 5 | Active |
| 46 | 22-SM013 | 2022 | 8/16/2022 | West Coast Waste Co., Inc. | Fresno | Fresno | Alternative Source | Biomass Processing and Fuel Production | \$72,555,098.32 | \$6,167,183 | \$985,421.91 | \$11,707,084.66 | 16% | \$11,854,892 | \$7,674,817 | \$13,362,525 | 132 | 19 | Active |
| 47 | 22-SM016 | 2022 | 12/13/2022 | EnergySource Minerals LLC and its subsidiary, ESM ATLAS LLC | Calipatria | Imperial | Advanced Manufacturing | Lithium Recovery and Processing | \$176,740,588.24 | \$15,000,000 | \$0.00 | \$0.00 | 0% | N/A | \$24,395,897 | \$9,395,897 | 332 | 61 | Active |
| 48 | 23-SM001 | 2023 | 7/18/2023 | North Fork Community Power, LLC | North Fork | Madera | Alternative Source | Biomass Processing and Fuel Production | \$6,277,500.00 | \$524,799 | \$0.00 | \$0.00 | 0% | \$659,056 | \$394,638 | \$528,895 | 46 | 2 | Active |
| 49 | 23-SM003 | 2023 | 7/18/2023 | CalBioGas Hilmar LLC | Himar | Merced | Alternative Source | Dairy Biogas | \$26,373,228.00 | \$2,204,802 | \$800,861.17 | \$9,559,951.58 | 36% | \$1,299,562 | \$4,677,066 | \$3,771,826 | 179 | 18 | Active |
| 50 | 23-SM004 | 2023 | 7/18/2023 | CalBioGas South Tulare III LLC | Tulare | Tulare | Alternative Source | Dairy Biogas | \$31,115,681.00 | \$2,601,271 | \$482,180.29 | \$5,738,567.24 | 18% | \$2,264,604 | \$7,772,457 | \$7,435,790 | 349 | 28 | Active |
| 51 | 23-SM005 | 2023 | 7/18/2023 | De Groot South Biogas LLC | Hanford | Kings | Alternative Source | Dairy Biogas | \$5,364,667.00 | \$448,486 | \$194,867.89 | \$2,330,797.10 | 43% | \$179,083 | \$467,126 | \$197,723 | 36 | 5 | Active |
| 52 | 23-SM006 | 2023 | 7/18/2023 | Southpoint Biogas LLC | Madera | Madera | Alternative Source | Dairy Biogas | \$7,395,283.00 | \$618,246 | \$592,700.05 | \$7,073,363.75 | 96% | \$506,138 | \$1,349,080 | \$1,236,972 | 37 | 4 | Active |
| 53 | 23-SM007 | 2023 | 7/18/2023 | CalBioGas PB LLC | Bakersfield | Kern | Alternative Source | Dairy Biogas | \$16,189,464.00 | \$1,353,439 | \$471,907.87 | \$5,595,267.06 | 35% | \$704,162 | \$2,729,829 | \$2,080,552 | 73 | 9 | Active |
| 54 | 23-SM008 | 2023 | 7/18/2023 | BHE Renewables, LLC and its subsidiaries, Magma Power Company and Elmore North Geothermal LLC | Calipatria | Imperial | Alternative Source | Geothermal Brine and Steam Production | \$239,233,728.00 | \$19,999,940 | \$0.00 | \$0.00 | 0% | \$12,700,092 | \$26,042,499 | \$18,742,651 | 529 | 78 | Active |
| 55 | 23-SM012 | 2023 | 7/18/2023 | Aptera Motors Corp. | Carlsbad; Vista | San Diego; San Diego | Advanced Transportation | Solar Electric Vehicle and Related Components Manufacturing | \$81,180,644.00 | \$6,786,702 | \$0.00 | \$0.00 | 0% | \$1,815,971 | \$6,934,479 | \$1,963,748 | 609 | 48 | Active |

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|----|----------|---------------|---------------|--|-------------------------------|--------------------------|------------------------------|--|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 56 | 23-SM013 | 2023 | 7/18/2023 | Aemetis Biogas, LLC | Turlock; Crows Landing | Stanislaus; Stanislaus | Alternative Source | Dairy Biogas | \$17,366,750.00 | \$1,451,860 | \$165,754.09 | \$1,977,598.27 | 11% | \$903,173 | \$4,505,428 | \$3,956,740 | 29 | 2 | Active |
| 57 | 23-SM015 | 2023 | 7/18/2023 | CalBioGas Gustine LLC | Gustine | Merced | Alternative Source | Dairy Biogas | \$44,990,798.00 | \$3,761,231 | \$111,300.00 | \$1,331,234.00 | 3% | \$1,739,961 | \$6,575,568 | \$4,554,298 | 170 | 21 | Active |
| 58 | 23-SM017 | 2023 | 7/18/2023 | CalBioGas Hanford LLC | Hanford | Kings | Alternative Source | Dairy Biogas | \$4,025,000.00 | \$336,490 | \$267,065.09 | \$3,194,558.55 | 79% | \$91,412 | \$618,863 | \$373,785 | 34 | 3 | Active |
| 59 | 23-SM018 | 2023 | 7/18/2023 | East County Advanced Water Purification Application Joint Powers Authority | Santee | San Diego | Alternative Source | Wastewater Treatment and Biogas Capture | \$105,101,474.00 | \$8,786,483 | \$1,283,135.25 | \$15,267,340.23 | 15% | \$1,448,143 | \$11,722,722 | \$4,384,381 | 282 | 42 | Active |
| 60 | 23-SM023 | 2023 | 7/18/2023 | Mariposa Bioenergy LLC | Mariposa | Mariposa | Alternative Source | Biomass Processing and Fuel Production | \$18,970,000.00 | \$1,585,892 | \$0.00 | \$0.00 | 0% | \$3,544,953 | \$1,858,583 | \$3,817,643 | 15 | 2 | Active |
| 61 | 23-SM024 | 2023 | 7/18/2023 | Biggs Bioenergy LLC | Biggs | Butte | Alternative Source | Biomass Processing and Fuel Production | \$16,490,000.00 | \$1,378,564 | \$0.00 | \$0.00 | 0% | \$3,298,333 | \$1,693,539 | \$3,613,308 | 15 | 2 | Active |
| 62 | 23-SM026 | 2023 | 7/18/2023 | Touchstone Pistachio Company, LLC | Cantua Creek, Terra Bella | Fresno; Tulare | Advanced Manufacturing | Pistachio Processing and Production | \$23,850,000.00 | \$1,993,860 | \$60,407.01 | \$717,702.26 | 3% | N/A | 9531440 | 7537580 | 300 | 8 | Active |
| 63 | 23-SM028 | 2023 | 7/18/2023 | Intuitive Surgical, Inc. and its subsidiary, Intuitive Surgical Operations, Inc. | Santa Clara, Sunnyvale | Santa Clara; Santa Clara | Advanced Manufacturing | Advanced Robotic Surgical Systems and Tools | \$23,400,000.00 | \$1,956,240 | \$1,220,180.99 | \$14,457,120.72 | 62% | N/A | \$13,617,963 | \$11,661,723 | 3392 | 40 | Active |
| 64 | 23-SM029 | 2023 | 7/18/2023 | EUV Tech, Inc. | Martinez | Contra Costa | Advanced Manufacturing | Semiconductor Metrology Equipment Manufacturing | \$9,632,985.00 | \$805,318 | \$273,432.16 | \$3,250,198.02 | 34% | N/A | \$2,048,800 | \$1,243,482 | 100 | 5 | Active |
| 65 | 23-SM030 | 2023 | 7/18/2023 | Heirloom Carbon Technologies, Inc. | Tracy | San Joaquin | Advanced Manufacturing | Sequestered Carbon Manufacturing | \$5,232,013.00 | \$437,396 | 284617,35 | \$3,397,408.81 | 65% | \$0 | \$404,682 | -\$32,714 | 67 | 23 | Active |
| 66 | 23-SM031 | 2023 | 7/18/2023 | HC (Contra Costa), LLC | Pittsburg | Contra Costa | Alternative Source | Renewable Hydrogen Production | \$119,617,224.88 | \$10,000,000 | \$0.00 | \$0.00 | 0% | \$6,304,113 | \$18,440,965 | \$14,745,078 | 205 | 35 | Active |
| 67 | 23-SM033 | 2023 | 7/18/2023 | Applied Materials, Inc. | Santa Clara | Santa Clara | Advanced Manufacturing | Semiconductor and Related Industries Fabrication Equipment Manufacturing | \$23,750,000.00 | \$1,985,500 | \$536,648.35 | \$6,419,200.40 | 27% | N/A | \$8,580,466 | \$6,594,966 | 3,764 | 42 | Active |
| 68 | 23-SM034 | 2023 | 7/18/2023 | Applied Materials, Inc. | Santa Clara; Sunnyvale | Santa Clara; Santa Clara | Advanced Transportation | Lithium Anodes for Electric Vehicle Batteries | \$86,000,000.00 | \$7,189,600 | \$122,173.70 | \$1,456,770.85 | 2% | \$3,594,759 | \$4,156,457 | \$561,616 | 77 | 12 | Active |
| 69 | 23-SM035 | 2023 | 7/18/2023 | Hell's Kitchen LithiumCo 1 LLC | Calipatria | Imperial | Advanced Manufacturing | Lithium Recovery and Processing | \$179,425,837.32 | \$15,000,000 | \$0.00 | \$0.00 | 0% | N/A | \$36,117,257 | \$21,117,257 | 321 | 27 | Active |
| 70 | 23-SM038 | 2023 | 7/18/2023 | Nanoshift LLC | Richmond | Contra Costa | Advanced Manufacturing | Semiconductor Manufacturing | \$5,300,000.00 | \$443,080 | \$0.00 | \$0.00 | 0% | N/A | \$375,485 | -\$67,595 | 15 | 2 | Active |
| 71 | 23-SM002 | 2023 | 9/19/2023 | WM Renewable Energy, LLC | Simi Valley | Ventura | Alternative Source | Landfill Gas Capture and Production | \$53,807,523.00 | \$4,498,309 | \$2,870,615.35 | \$34,293,548.60 | 64% | \$6,581,039 | \$7,406,912 | \$9,489,642 | 41 | 4 | Active |
| 72 | 23-SM019 | 2023 | 9/19/2023 | Universal Waste Systems, Inc. | Santa Fe Springs, Los Angeles | Los Angeles; Los Angeles | Recycled Resource Extraction | Mixed Organics | \$7,881,900.00 | \$658,927 | \$0.00 | \$0.00 | 0% | \$65,105 | \$906,311 | \$312,489 | 49 | 2 | Active |
| 73 | 23-SM021 | 2023 | 9/19/2023 | Raven SR S1 LLC | Richmond | Contra Costa | Alternative Source | Renewable Hydrogen Production | \$29,824,330.00 | \$2,493,314 | \$40,983.22 | \$490,229.85 | 2% | \$988,956 | \$3,942,171 | \$2,437,813 | 35 | 4 | Active |
| 74 | 23-SM027 | 2023 | 9/19/2023 | Biofuels San Bernadino Biogas, LLC | Rialto | San Bernardino | Alternative Source | Landfill Gas Capture and Production | \$30,783,686.00 | \$2,573,516 | \$446,395.07 | \$5,339,654.00 | 17% | \$2,880,025 | \$5,485,863 | \$5,792,372 | 85 | 12 | Active |
| 75 | 23-SM036 | 2023 | 9/19/2023 | Pratt & Whitney, a division of RTX Corporation | Carlsbad | San Diego | Advanced Transportation | Jet Engine Parts Manufacturing | \$40,462,000.00 | \$3,382,623 | \$1,351,727.39 | \$16,168,095.95 | 40% | \$2,869,924 | \$3,579,486 | \$3,066,787 | 91 | 8 | Active |

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|----|----------|---------------|---------------|--|---|--|-------------------------|---|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|---|------------------------------|---------------------------------|----------------|
| 76 | 23-SM042 | 2023 | 9/19/2023 | Anaergia Technologies, LLC | Marina | Monterey | Alternative Source | Biomass Processing and Fuel Production | \$5,212,500.00 | \$435,765 | \$269,777.76 | \$3,197,840.72 | 61% | \$109,196 | \$656,482 | \$329,912 | 72 | 1 | Active |
| 77 | 23-SM044 | 2023 | 9/19/2023 | Vernon Green Hydrogen | Vernon | Los Angeles | Alternative Source | Renewable Hydrogen Production | \$15,827,466.00 | \$1,323,176 | \$69,042.86 | \$824,795.81 | 5% | \$332,239 | \$3,107,826 | \$2,116,889 | 46 | 5 | Active |
| 78 | 23-SM010 | 2023 | 12/12/2023 | Northrop Grumman Systems Corporation | Palmdale, Manhattan Beach; Redondo Beach; Northridge; Sunnyvale; Woodland Hills | Los Angeles; Los Angeles; Los Angeles; Los Angeles; Santa Clara; Los Angeles | Advanced Manufacturing | Aerospace Manufacturing | \$47,184,041.92 | \$3,944,586 | \$2,598,639.73 | \$30,789,570.23 | 65% | N/A | \$4,624,364 | \$679,778 | 1,625 | 26 | Active |
| 79 | 24-SM001 | 2024 | 7/16/2024 | Sparkz Inc. | Sacramento; Livermore | Sacramento; Alameda | Advanced Transportation | Lithium Battery Material Manufacturing | \$177,725,118.48 | \$15,000,000 | \$127,592.17 | \$1,511,755.60 | 1% | \$23,938,074 | \$28,826,267 | \$37,764,341 | 737 | 62 | Active |
| 80 | 24-SM002 | 2024 | 7/16/2024 | Joby Aero, Inc | Marina; San Carlos | Monterey; San Mateo | Advanced Transportation | Electric Vertical Take-Off and Landing (eVTOL) Aircraft Manufacturing | \$22,704,008.00 | \$1,916,218 | \$473,781.29 | \$5,613,522.36 | 25% | \$82,362 | \$4,238,047 | \$2,404,191 | 961 | 22 | Active |
| 81 | 24-SM003 | 2024 | 7/16/2024 | BHE Renewables, LLC and its subsidiaries Magma Power Company and Morton Bay Geothermal LLC | Calipatria | Imperial | Alternative Source | Geothermal Brine and Steam Production | \$236,966,824.64 | \$20,000,000 | \$0.00 | \$0.00 | 0% | \$9,829,063 | \$25,971,425 | \$15,800,489 | 193 | 21 | Active |
| 82 | 24-SM004 | 2024 | 7/16/2024 | Toro Energy of California AA, LLC | Fresno | Fresno | Alternative Source | Landfill Gas to Renewable Natural Gas | \$48,500,000.00 | \$4,093,400 | \$0.00 | \$0.00 | 0% | \$2,965,647 | \$8,341,678 | \$7,213,925 | 135 | 22 | Active |
| 83 | 24-SM006 | 2024 | 7/16/2024 | Oberon Fuels, Inc. | Imperial | Imperial | Alternative Source | Renewable Hydrogen | \$5,728,000.00 | \$483,443 | \$0.00 | \$0.00 | 0% | \$47,641 | \$824,769 | \$388,697 | 9 | 1 | Active |
| 84 | 24-SM007 | 2024 | 7/16/2024 | Element Lancaster 1 LLC | Lancaster | Los Angeles | Alternative Source | Renewable Hydrogen | \$118,483,412.32 | \$10,000,000 | \$0.00 | \$0.00 | 0% | \$1,793,460 | \$12,730,373 | \$4,523,833 | 282 | 15 | Active |
| 85 | 24-SM009 | 2024 | 7/16/2024 | H2B2 USA, LLC | Kerman | Fresno | Alternative Source | Renewable Hydrogen | \$23,300,000.00 | \$1,966,520 | \$0.00 | \$0.00 | 0% | \$129,872 | \$2,741,157 | \$904,509 | 60 | 5 | Active |
| 86 | 24-SM010 | 2024 | 7/16/2024 | American Lithium Energy Corporation | Carlsbad | San Diego | Advanced Manufacturing | Lithium-Ion Battery Manufacturing | \$5,750,934.00 | \$485,379 | \$93,768.55 | \$1,111,001.83 | 19% | N/A | \$429,774 | (\$55,605) | 100 | 6 | Active |
| 87 | 24-SM011 | 2024 | 7/16/2024 | Biofuels Coyote Canyon BioGas, LLC | Newport Beach | Orange | Alternative Source | Landfill Gas to Renewable Natural Gas | \$22,649,688.00 | \$1,911,634 | \$40,233.48 | \$476,700.00 | 2% | \$1,766,396 | \$3,653,758 | \$3,508,520 | 85 | 13 | Active |
| 88 | 24-SM013 | 2024 | 7/16/2024 | Harbinger Motors Inc. | Garden Grove | Orange | Advanced Transportation | Electric Vehicle Manufacturing | \$64,153,481.00 | \$5,414,554 | \$0.00 | \$0.00 | 0% | \$17,407,799 | \$18,268,371 | \$30,261,616 | 246 | 15 | Active |
| 89 | 24-SM014 | 2024 | 7/16/2024 | DeJager North Biogas LLC | Chowchilla | Madera | Alternative Source | Dairy Biogas | \$4,100,494.00 | \$346,082 | \$0.00 | \$0.00 | 0% | \$171,667 | \$631,940 | \$457,525.00 | 37 | 5 | Active |
| 90 | 24-SM015 | 2024 | 7/16/2024 | HD Ranch Biogas LLC | Dixon | Solano | Alternative Source | Dairy Biogas | \$5,135,087.00 | \$433,401 | \$0.00 | \$0.00 | 0% | \$208,021 | \$791,021 | \$565,641 | 36 | 4 | Active |
| 91 | 24-SM016 | 2024 | 7/16/2024 | Dairy Ave and Circle H Biogas LLC | Corcoran | Kings | Alternative Source | Dairy Biogas | \$7,556,035.00 | \$637,729 | \$0.00 | \$0.00 | 0% | \$349,395 | \$1,101,993 | \$813,659 | 37 | 4 | Active |
| 92 | 24-SM017 | 2024 | 7/16/2024 | CalBioGas North Visalia III LLC | Visalia | Tulare | Alternative Source | Dairy Biogas | \$4,785,508.00 | \$403,897 | \$0.00 | \$0.00 | 0% | \$250,311 | \$646,617 | \$493,032 | 42 | 4 | Active |

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|-----|----------|---------------|---------------|--|---------------------|----------------|------------------------------|---|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 93 | 24-SM018 | 2024 | 7/16/2024 | Southpoint Biogas III LLC | Madera | Madera | Alternative Source | Dairy Biogas | \$3,875,000.00 | \$327,050 | \$0.00 | \$0.00 | 0% | \$216,684 | \$643,973 | \$533,607 | 15 | 1 | Active |
| 94 | 24-SM019 | 2024 | 7/16/2024 | CalBioGas Buttonwillow III LLC | Wasco | Kern | Alternative Source | Dairy Biogas | \$9,796,303.00 | \$826,808 | \$0.00 | \$0.00 | 0% | \$570,947 | \$1,239,519 | \$983,657 | 75 | 7 | Active |
| 95 | 24-SM020 | 2024 | 7/16/2024 | CalBioGas West Visalia III LLC | Tulare | Tulare | Alternative Source | Dairy Biogas | \$9,734,028.00 | \$821,552 | \$0.00 | \$0.00 | 0% | \$505,312 | \$1,287,729 | \$971,489 | 64 | 6 | Active |
| 96 | 24-SM021 | 2024 | 7/16/2024 | CalBioGas Kern III LLC | Bakersfield | Kern | Alternative Source | Dairy Biogas | \$10,399,748.00 | \$877,739 | \$0.00 | \$0.00 | 0% | \$597,157 | \$1,500,969 | \$1,220,388 | 95 | 8 | Active |
| 97 | 24-SM022 | 2024 | 7/16/2024 | CalBioGas Fresno, LLC | Fresno | Fresno | Alternative Source | Dairy Biogas | \$21,358,784.00 | \$1,802,681 | \$0.00 | \$0.00 | 0% | \$983,178 | \$2,896,123 | \$2,076,620 | 117 | 13 | Active |
| 98 | 24-SM023 | 2024 | 7/16/2024 | PSGM3, LLC (Pacific Steel Group) | Mojave | Kern | Recycled Resource Extraction | Mixed Metals Recycling | \$118,483,412.32 | \$10,000,000 | \$0.00 | \$0.00 | 0% | \$1,530,504 | \$40,700,153 | \$32,230,657 | 862 | 38 | Active |
| 99 | 24-SM024 | 2024 | 7/16/2024 | Antora Energy, Inc. (San Jose) | San Jose | Santa Clara | Alternative Source | Thermal Battery Modules | \$2,721,775.00 | \$229,718 | \$131,774.02 | \$1,561,303.57 | 57% | \$19,887,222 | \$1,257,979 | \$20,915,483 | 104 | 5 | Active |
| 100 | 24-SM025 | 2024 | 7/16/2024 | Archer Aviation, Inc. and Archer Air LLC | San Jose | Santa Clara | Advanced Transportation | Electric Vertical Take-Off and Landing (eVTOL) Aircraft Manufacturing | \$117,250,000.00 | \$9,895,900 | \$0.00 | \$0.00 | 0% | \$4,571,872 | \$48,752,604 | \$43,428,576 | 744 | 38 | Active |
| 101 | 24-SM026 | 2024 | 7/16/2024 | Infinera Corporation | Sunnyvale; San Jose | Santa Clara | Advanced Manufacturing | Semiconductor Manufacturing | \$23,600,000.00 | \$1,991,840 | \$0.00 | \$0.00 | 0% | N/A | \$4,749,201 | \$2,757,361 | 389 | 23 | Active |
| 102 | 24-SM029 | 2024 | 7/16/2024 | Bakersfield Renewable Fuels, LLC | Bakersfield | Kern | Alternative Source | Renewable Diesel | \$23,696,000.00 | \$1,999,942 | \$0.00 | \$0.00 | 0% | \$2,444,604 | \$3,528,117 | \$3,972,778 | 141 | 2 | Active |
| 103 | 24-SM030 | 2024 | 7/16/2024 | rPlanet Earth Los Angeles, LLC | Vernon | Los Angeles | Recycled Resource Extraction | Plastic Recycling | \$42,550,000.00 | \$3,591,220 | \$162,079.41 | \$1,920,372.20 | 5% | \$72,472 | \$3,890,756 | \$372,008 | 249 | 19 | Active |
| 104 | 24-SM031 | 2024 | 7/16/2024 | Antora Energy Inc (Sunnyvale) | Sunnyvale | Santa Clara | Advanced Manufacturing | Semiconductor Device Manufacturing | \$6,533,799.99 | \$551,453 | \$51,192.13 | \$606,541.84 | 9% | N/A | \$1,291,067 | \$739,614 | 77 | 5 | Active |
| 105 | 24-SM032 | 2024 | 7/16/2024 | Lam Research Corporation | Fremont; Livermore | Alameda | Advanced Manufacturing | Semiconductor Fabrication Equipment Manufacturing | \$23,600,000.00 | \$1,991,840 | \$0.00 | \$0.00 | 0% | N/A | \$10,585,958 | \$8,594,118 | 3,412 | 40 | Active |
| 106 | 24-SM034 | 2024 | 9/17/2024 | 5E Boron Americas LLC | Newberry Springs | San Bernardino | Advanced Manufacturing | Lithium Recovery and Processing | \$11,473,423.00 | \$968,357.00 | \$0.00 | \$0.00 | 0% | N/A | \$766,533 | \$201,823 | 70.00 | 4 | Active |
| 107 | 10-SM002 | 2010 | 11/17/2010 | ABEC Bidart Stockdale, LLC | Bakersfield | Kern | Alternative Source | Biogas Capture and Production | \$1,131,584.00 | \$102,974 | \$90,622.29 | \$1,118,793.65 | 99% | \$228,808 | \$73,809 | \$199,643 | 26 | 3 | Complete |
| 108 | 10-SM004 | 2010 | 11/17/2010 | First Solar, Inc. | Santa Clara | Santa Clara | Alternative Source | Solar Photovoltaic Manufacturing | \$37,700,000.00 | \$3,430,700 | \$3,409,567.04 | \$37,692,991.15 | 100% | \$1,668,971 | \$1,971,559 | \$209,831 | 174 | 17 | Complete |
| 109 | 10-SM007 | 2010 | 11/17/2010 | The Solaria Corporation | Fremont | Alameda | Alternative Source | Solar Photovoltaic Manufacturing | \$7,800,000.00 | \$709,800 | \$375,884.76 | \$4,474,134.55 | 57% | \$834,403 | \$1,564,665 | \$1,689,268 | 180 | 17 | Complete |
| 110 | 10-SM013 | 2010 | 11/17/2010 | NuvoSun Incorporated | Milpitas | Santa Clara | Alternative Source | Solar Photovoltaic Manufacturing | \$20,000,000.00 | \$1,820,000 | \$1,736,127.77 | \$19,996,322.73 | 100% | \$2,137,232 | \$2,594,509 | \$2,911,741 | 160 | 18 | Complete |
| 111 | 10-SM015 | 2010 | 11/17/2010 | Bloom Energy Corporation | Sunnyvale | Santa Clara | Alternative Source | Solid Oxide Fuel Cell Systems Manufacturing | \$37,447,693.00 | \$3,407,740 | \$2,978,509.95 | \$35,340,432.80 | 94% | \$562,054 | \$11,144,189 | \$8,298,503 | 1,004 | 83 | Complete |
| 112 | 10-SM012 | 2010 | 12/15/2010 | SunPower Corporation | Milpitas | Santa Clara | Alternative Source | Solar Photovoltaic Manufacturing | \$8,000,000.00 | \$728,000 | \$704,815.66 | \$7,745,227.00 | 97% | \$903,595 | \$1,877,730 | \$2,053,325 | 94 | 11 | Complete |

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|-----|----------|---------------|---------------|--|--|---------------------------------|-------------------------|--|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 113 | 10-SM020 | 2010 | 12/15/2010 | Ameresco Butte County LLC | Paradise | Butte | Alternative Source | Landfill Gas Capture and Production | \$1,085,554.00 | \$98,785 | \$62,105.17 | \$759,409.60 | 70% | \$71,701 | \$185,955 | \$158,870 | 12 | 1 | Complete |
| 114 | 10-SM022 | 2010 | 12/15/2010 | Ameresco Forward LLC | Manteca | San Joaquin | Alternative Source | Landfill Gas Capture and Production | \$2,227,596.00 | \$202,711 | \$119,409.48 | \$1,447,555.97 | 65% | \$37,823 | \$277,169 | \$112,281 | 11 | 1 | Complete |
| 115 | 10-SM023 | 2010 | 12/15/2010 | Ameresco Johnson Canyon LLC | Gonzales | Monterey | Alternative Source | Landfill Gas Capture and Production | \$766,293.00 | \$69,733 | \$53,371.72 | \$658,910.18 | 86% | \$33,124 | \$168,912 | \$132,303 | 12 | 1 | Complete |
| 116 | 10-SM024 | 2010 | 12/15/2010 | Ameresco San Joaquin LLC | Linden | San Joaquin | Alternative Source | Landfill Gas Capture and Production | \$1,723,486.00 | \$156,837 | \$113,649.46 | \$1,378,738.49 | 80% | \$99,894 | \$419,234 | \$362,292 | 12 | 1 | Complete |
| 117 | 10-SM025 | 2010 | 12/15/2010 | Ameresco Vasco Road LLC | Livermore | Alameda | Alternative Source | Landfill Gas Capture and Production | \$1,828,204.00 | \$166,367 | \$112,035.83 | \$1,358,330.76 | 74% | \$66,258 | \$333,415 | \$233,306 | 11 | 1 | Complete |
| 118 | 10-SM026 | 2010 | 12/15/2010 | BioFuels Point Loma, LLC | San Diego | San Diego | Alternative Source | Wastewater Treatment Biogas Capture and Production | \$6,236,024.00 | \$567,478 | \$449,161.59 | \$5,512,427.97 | 88% | \$120,126 | \$509,292 | \$61,939 | 25 | 3 | Complete |
| 119 | 10-SM028 | 2010 | 12/15/2010 | California Institute of Technology | Pasadena | Los Angeles | Alternative Source | R&D of Solar Fuel Generator Systems | \$13,400,000.00 | \$1,219,400 | \$996,693.54 | \$11,899,375.73 | 89% | \$0 | \$702,662 | -\$516,738 | 133 | 15 | Complete |
| 120 | 11-SM001 | 2011 | 1/25/2011 | Leyden Energy, Inc. | Fremont | Alameda | Advanced Transportation | Lithium-Ion Battery Manufacturing | \$1,306,525.00 | \$118,894 | \$99,646.59 | \$1,213,372.59 | 93% | \$21,400 | \$944,754 | \$847,260 | 26 | 2 | Complete |
| 121 | 11-SM003 | 2011 | 1/25/2011 | Alameda-Contra Costa Transit District | Emeryville | Alameda | Alternative Source | Demonstration Hydrogen Fuel Production | \$5,387,950.00 | \$490,303 | \$362,320.05 | \$4,473,087.00 | 83% | \$16,040 | \$274,173 | -\$200,090 | 6 | 1 | Complete |
| 122 | 11-SM006 | 2011 | 3/22/2011 | Mt. Poso Cogeneration Company, LLC | Bakersfield | Kern | Alternative Source | Biomass Processing and Fuel Production | \$14,374,000.00 | \$1,308,034 | \$1,164,293.99 | \$14,373,999.93 | 100% | \$197,027 | \$3,470,273 | \$2,359,266 | 97 | 11 | Complete |
| 123 | 11-SM009 | 2011 | 6/28/2011 | DTE Stockton, LLC | Stockton | San Joaquin | Alternative Source | Biomass Processing and Fuel Production | \$10,120,000.00 | \$920,920 | \$823,637.85 | \$10,119,999.91 | 100% | \$2,221,793 | \$4,297,636 | \$5,598,509 | 62 | 7 | Complete |
| 124 | 11-SM010 | 2011 | 7/26/2011 | SCS Energy | Fresno | Fresno | Alternative Source | Biogas Capture and Production | \$3,155,300.00 | \$255,579 | \$247,020.17 | \$3,049,631.77 | 97% | \$40,230 | \$271,233 | \$55,884 | 9 | 1 | Complete |
| 125 | 11-SM019 | 2011 | 11/15/2011 | Zero Waste Energy Development Company, LLC | San Jose | Santa Clara | Alternative Source | Biogas Capture and Production | \$17,156,875.00 | \$1,389,707 | \$942,179.29 | \$11,273,784.04 | 66% | \$1,355,423 | \$2,233,575 | \$2,199,291 | 174 | 17 | Complete |
| 126 | 11-SM016 | 2011 | 12/13/2011 | Tesla, Inc. | Fremont; Hawthorne; Los Angeles; Palo Alto; Menlo Park | Alameda; Santa Clara; San Mateo | Advanced Transportation | Electric Vehicle Manufacturing | \$292,000,000.00 | \$23,652,000 | \$24,546,044.83 | \$291,889,530.09 | 100% | \$2,386,636 | \$35,023,610 | \$13,758,246 | 1,237 | 108 | Complete |
| 127 | 12-SM003 | 2012 | 3/20/2012 | Stion Corporation | San Jose | Santa Clara | Alternative Source | Solar Photovoltaic Manufacturing | \$6,417,810.00 | \$519,843 | \$490,541.59 | \$6,056,069.00 | 94% | \$277,896 | \$253,546 | \$11,600 | 28 | 3 | Complete |
| 128 | 12-SM004 | 2012 | 5/15/2012 | Soitec Solar Industries LLC | San Diego | San Diego | Alternative Source | Concentrated Photovoltaic Manufacturing | \$104,381,342.00 | \$8,454,889 | \$7,351,986.72 | \$90,047,264.86 | 86% | \$3,706,841 | \$10,302,813 | \$5,554,765 | 399 | 44 | Complete |
| 129 | 12-SM006 | 2012 | 5/15/2012 | John Galt Biogas Inc. | Galt | Sacramento | Alternative Source | Biogas Capture and Production | \$1,025,769.00 | \$83,087 | \$61,712.13 | \$735,018.76 | 72% | \$112,933 | \$128,931 | \$158,777 | 6 | 1 | Complete |
| 130 | 12-SM007 | 2012 | 5/15/2012 | Reflexite Soitec Optical Technology LLC | San Diego | San Diego | Alternative Source | Concentrated Photovoltaic Manufacturing | \$24,500,000.00 | \$1,984,500 | \$2,005,024.12 | \$24,200,004.00 | 99% | \$357,750 | \$1,704,725 | \$77,975 | 114 | 8 | Complete |
| 131 | 12-SM008 | 2012 | 6/19/2012 | North Star Biofuels LLC | Watsonville | Santa Cruz | Alternative Source | Biodiesel Production | \$4,115,500.00 | \$333,356 | \$343,220.36 | \$4,115,500.00 | 100% | \$84,522 | \$2,616,810 | \$2,367,976 | 30 | 1 | Complete |
| 132 | 12-SM012 | 2012 | 11/13/2012 | Zero Waste Energy, LLC | Marina | Monterey | Alternative Source | Biogas Capture and Production | \$1,187,000.00 | \$96,147 | \$94,295.29 | \$1,126,586.53 | 95% | \$18,139 | \$95,062 | \$17,054 | 5 | 1 | Complete |
| 133 | 12-SM013 | 2012 | 11/13/2012 | Oberon Fuels, Inc. | Brawley | Imperial | Alternative Source | Biogas Capture & Bio DME Production | \$13,500,000.00 | \$1,093,500 | \$379,523.56 | \$4,510,779.81 | 33% | \$423,866 | \$679,196 | \$9,561 | 17 | 3 | Complete |

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|-----|-----------|---------------|---------------|--------------------------------------|-------------------------------|-----------------------------------|-------------------------|---|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 134 | 13-SM001 | 2013 | 1/15/2013 | CleanWorld | Davis | Yolo | Alternative Source | Biomass Processing and Fuel Production | \$5,851,298.00 | \$489,754 | \$459,933.57 | \$5,462,393.90 | 93% | \$106,588 | \$506,088 | \$122,923 | 24 | 3 | Complete |
| 135 | 13-SM002 | 2013 | 3/19/2013 | Buster Biofuels, LLC | Escondido | San Diego | Alternative Source | Biodiesel Production | \$1,905,343.00 | \$159,477 | \$160,429.88 | \$1,905,343.00 | 100% | \$103,496 | \$786,032 | \$730,051 | 32 | 2 | Complete |
| 136 | 13-SM007 | 2013 | 6/18/2013 | ABEC Bidart-Old River, LLC | Bakersfield | Kern | Alternative Source | Biogas Capture and Production | \$6,254,045.00 | \$523,464 | \$328,667.46 | \$3,926,731.88 | 63% | \$351,613 | \$523,038 | \$351,188 | 28 | 2 | Complete |
| 137 | 13-SM009 | 2013 | 8/20/2013 | North State Rendering Co Inc. | Oroville | Butte | Alternative Source | Biomass Processing and Fuel Production | \$7,355,324.00 | \$615,641 | \$619,318.28 | \$7,355,324.00 | 100% | \$305,075 | \$422,917 | \$112,351 | 12 | 2 | Complete |
| 138 | 13-SM010 | 2013 | 9/17/2013 | Central Valley Ag Power, LLC | Oakdale | Stanislaus | Alternative Source | Biomass Processing and Fuel Production | \$3,481,313.00 | \$291,386 | \$293,077.07 | \$3,480,725.29 | 100% | \$38,218 | \$394,801 | \$141,634 | 23 | 2 | Complete |
| 139 | 13-SM011 | 2013 | 10/15/2013 | Blue Line Transfer, Inc. | South San Francisco | San Mateo | Alternative Source | Biomass Processing and Fuel Production | \$4,976,469.00 | \$416,530 | \$326,787.61 | \$3,881,088.00 | 78% | \$43,980 | \$423,841 | \$51,291 | 20 | 3 | Complete |
| 140 | 13-SM013 | 2013 | 11/19/2013 | Crimson Renewable Energy, LP | Bakersfield | Kern | Alternative Source | Biomass Processing and Fuel Production | \$14,065,000.00 | \$1,177,241 | \$1,181,210.40 | \$14,064,998.80 | 100% | \$136,306 | \$2,737,899 | \$1,696,964 | 38 | 2 | Complete |
| 141 | 13-SM015 | 2013 | 12/17/2013 | Tesla, Inc. | Fremont; Palo Alto; Hawthorne | Alameda; Santa Clara; Los Angeles | Advanced Transportation | Electric Vehicle Manufacturing | \$415,000,000.00 | \$34,735,500 | \$34,929,531.72 | \$414,840,044.17 | 100% | \$4,847,406 | \$54,306,869 | \$24,418,775 | 2,050 | 115 | Complete |
| 142 | 14-SM001 | 2014 | 2/18/2014 | Enovix Corporation | Fremont | Alameda | Advanced Manufacturing | Lithium-Ion Battery Manufacturing | \$16,234,215.00 | \$1,358,804 | \$1,359,068.13 | \$16,234,214.94 | 100% | N/A | \$1,920,567 | \$561,763 | 78 | 6 | Complete |
| 143 | 14-SM004 | 2014 | 5/20/2014 | Pixley Biogas, LLC | Pixley | Tulare | Alternative Source | Biogas Capture and Production | \$3,363,238.00 | \$283,185 | \$283,107.62 | \$3,362,323.25 | 100% | \$287,308 | \$321,007 | \$325,130 | 9 | 2 | Complete |
| 144 | 14-SM005 | 2014 | 5/20/2014 | MSB Investors, LLC | Santa Barbara | Santa Barbara | Alternative Source | Biogas Capture and Production | \$17,696,003.00 | \$1,490,003 | \$1,244,107.45 | \$14,860,760.88 | 84% | \$319,442 | \$1,392,985 | \$222,423 | 75 | 5 | Complete |
| 145 | 14-SM007 | 2014 | 5/20/2014 | E&J Gallo Winery | Livingston | Merced | Alternative Source | Biogas Capture and Production | \$17,592,381.00 | \$1,481,278 | \$1,249,865.38 | \$14,846,238.99 | 84% | \$363,691 | \$1,142,019 | \$24,432 | 45 | 7 | Complete |
| 146 | 14-SM008 | 2014 | 6/17/2014 | Niagara Bottling, LLC | San Bernardino | San Bernardino | Advanced Manufacturing | Water Bottling Facility | \$30,000,000.00 | \$2,526,000 | \$2,525,683.30 | \$29,996,238.73 | 100% | N/A | \$7,988,338 | \$5,462,338 | 86 | 6 | Complete |
| 147 | 14-SM011 | 2014 | 9/16/2014 | Rialto Bioenergy Facility, LLC | Bloomington | San Bernardino | Alternative Source | Biogas Capture and Production | \$14,722,168.00 | \$1,239,607 | \$1,230,772.54 | \$14,722,159.62 | 100% | \$765,232 | \$1,662,628 | \$1,188,254 | 35 | 3 | Complete |
| 148 | 14-SM012 | 2014 | 9/16/2014 | Anaheim Energy, LLC | Anaheim | Orange | Alternative Source | Biogas Capture and Production | \$19,143,601.00 | \$1,611,891 | \$1,601,065.90 | \$19,143,565.88 | 100% | \$568,979 | \$1,938,411 | \$895,499 | 40 | 5 | Complete |
| 149 | 14-SM022 | 2014 | 12/16/2014 | Bowerman Power LFG, LLC | Irvine | Orange | Alternative Source | Landfill Gas Capture and Production | \$7,030,000.00 | \$591,926 | \$520,311.06 | \$6,179,466.25 | 88% | \$273,723 | \$1,091,792 | \$773,589 | 30 | 3 | Complete |
| 150 | 14-SM023 | 2015 | 1/20/2015 | WM Renewable Energy, LLC | Novato | Marin | Alternative Source | Biogas Capture and Production | \$2,004,360.00 | \$168,767 | \$168,071.79 | \$1,996,101.98 | 100% | \$71,130 | \$347,143 | \$249,507 | 19 | 1 | Complete |
| 151 | 15-SM003. | 2015 | 2/17/2015 | Silevo, Inc. | Fremont | Alameda | Alternative Source | Solar Photovoltaic Manufacturing | \$106,551,184.00 | \$8,971,610 | \$6,347,130.20 | \$75,381,593.84 | 71% | \$3,402,597 | \$9,175,513 | \$3,606,500 | 319 | 33 | Complete |
| 152 | 15-SM006. | 2015 | 4/21/2015 | California Renewable Power, LLC | Perris | Riverside | Alternative Source | Biogas Capture and Production | \$13,079,755.00 | \$1,101,315 | \$1,101,315.37 | \$13,079,755.00 | 100% | \$137,797 | \$1,839,848 | \$876,329 | 48 | 4 | Complete |
| 153 | 15-SM003 | 2015 | 5/19/2015 | Weber Metals, Inc. | Paramount | Los Angeles | Advanced Manufacturing | Metal Forging | \$167,661,606.00 | \$14,117,107 | \$11,339,860.17 | \$135,006,352.13 | 81% | N/A | \$35,048,735 | \$20,931,628 | 192 | 18 | Complete |
| 154 | 15-SM005 | 2015 | 6/16/2015 | U.S. Corrugated of Los Angeles, Inc. | Santa Fe Springs | Los Angeles | Advanced Manufacturing | Corrugated Packaging Manufacturing | \$23,969,087.00 | \$2,018,197 | \$2,018,197.13 | \$23,969,087.00 | 100% | N/A | \$7,825,890 | \$5,807,693 | 160 | 13 | Complete |
| 155 | 15-SM006 | 2015 | 6/16/2015 | Efficient Drivetrains, Inc. | Milpitas | Santa Clara | Advanced Transportation | Electric Vehicle Drivetrain Manufacturing | \$5,008,800.00 | \$421,741 | \$315,331.06 | \$3,768,912.56 | 75% | \$1,434,548 | \$970,990 | \$1,983,797 | 57 | 4 | Complete |

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| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|-----|----------|---------------|---------------|--|--|---|------------------------------|--|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 156 | 15-SM007 | 2015 | 6/16/2015 | The Monadnock Company | Industry | Los Angeles | Advanced Manufacturing | Specialty Aerospace Fastener Manufacturing | \$6,475,000.00 | \$545,195 | \$465,419.43 | \$5,540,581.48 | 86% | N/A | \$1,847,167 | \$1,301,972 | 299 | 10 | Complete |
| 157 | 15-SM008 | 2015 | 7/21/2015 | Hi Shear Corporation | Torrance | Los Angeles | Advanced Manufacturing | Specialty Aerospace Fastener Manufacturing | \$39,385,000.00 | \$3,316,217 | \$3,199,995.70 | \$38,077,811.36 | 97% | N/A | \$3,432,623 | \$116,406 | 1,117 | 43 | Complete |
| 158 | 15-SM009 | 2015 | 7/21/2015 | Las Gallinas Valley Sanitary District | San Rafael | Marin | Alternative Source | Biogas Capture and Production | \$788,757.00 | \$66,413 | \$66,413.34 | \$788,757.00 | 100% | \$10,707 | \$44,765 | -\$10,941 | 7 | 0 | Complete |
| 159 | 15-SM011 | 2015 | 8/18/2015 | Orbital ATK, Inc. | Northridge | Los Angeles | Advanced Manufacturing | Defense and Aerospace Manufacturing | \$16,275,154.00 | \$1,370,368 | \$1,365,628.93 | \$16,275,149.36 | 100% | N/A | \$3,648,303 | \$2,277,935 | 320 | 10 | Complete |
| 160 | 15-SM012 | 2015 | 9/15/2015 | Rolls-Royce High Temperature Composites, Inc. | Huntington Beach | Orange | Advanced Manufacturing | Composites Manufacturing | \$8,728,000.00 | \$734,898 | \$702,915.99 | \$8,348,170.95 | 96% | N/A | \$788,866 | \$53,969 | 105 | 6 | Complete |
| 161 | 15-SM010 | 2015 | 10/20/2015 | Karma Automotive LLC | Moreno Valley | Riverside | Advanced Manufacturing | Plug-In Hybrid Vehicle Manufacturing | \$38,194,860.00 | \$3,216,007 | \$3,216,007.21 | \$38,194,860.00 | 100% | N/A | \$4,025,187 | \$809,179 | 205 | 16 | Complete |
| 162 | 15-SM014 | 2015 | 10/20/2015 | Space Exploration Technologies Corp. | Hawthorne | Los Angeles | Advanced Manufacturing | Aerospace Manufacturing | \$360,169,639.00 | \$30,326,284 | \$30,187,114.09 | \$359,033,143.99 | 100% | N/A | \$40,537,040 | \$10,210,756 | 4,200 | 183 | Complete |
| 163 | 15-SM015 | 2015 | 10/20/2015 | Madera Renewable Energy, LLC | Madera | Madera | Alternative Source | Biogas Capture and Production | \$1,999,507.00 | \$168,358 | \$168,244.30 | \$1,999,507.00 | 100% | \$418,611 | \$201,229 | \$451,481 | 7 | 1 | Complete |
| 164 | 15-SM016 | 2015 | 10/20/2015 | Hanford Renewable Energy, LLC | Hanford | Kings | Alternative Source | Biogas Capture and Production | \$3,748,012.00 | \$315,583 | \$311,895.01 | \$3,708,524.73 | 99% | \$974,447 | \$435,837 | \$1,094,701 | 9 | 1 | Complete |
| 165 | 15-SM017 | 2015 | 11/17/2015 | Space Systems/Loral LLC | Palo Alto | Santa Clara | Advanced Manufacturing | Aerospace Manufacturing | \$5,586,000.00 | \$470,341 | \$203,707.48 | \$2,419,328.70 | 43% | N/A | \$812,787 | \$342,446 | 354 | 3 | Complete |
| 166 | 15-SM013 | 2015 | 12/15/2015 | ABEC #2 LLC | Buttonwillow | Kern | Alternative Source | Biogas Capture and Production | \$5,990,614.00 | \$504,410 | \$419,041.77 | \$4,976,743.13 | 83% | \$180,513 | \$618,883 | \$294,986 | 14 | 0 | Complete |
| 167 | 15-SM020 | 2015 | 12/15/2015 | Millennium Space Systems, Inc. | El Segundo | Los Angeles | Advanced Manufacturing | Aerospace Manufacturing | \$4,284,672.00 | \$360,769 | \$211,172.75 | \$2,515,334.34 | 59% | N/A | \$1,389,088 | \$1,028,319 | 55 | 4 | Complete |
| 168 | 15-SM024 | 2015 | 12/15/2015 | Tesla, Inc. | Fremont; Hawthorne; Palo Alto; Menlo Park; Lathrop | Alameda; Los Angeles; Santa Clara; San Mateo; San Joaquin | Advanced Transportation | Electric Vehicle Manufacturing | \$463,625,000.00 | \$39,037,225 | \$39,037,007.74 | \$463,622,419.75 | 100% | \$4,766,289 | \$61,843,129 | \$27,572,193 | 1,439 | 41 | Complete |
| 169 | 16-SM003 | 2016 | 1/19/2016 | Kite Pharma, Inc. | El Segundo | Los Angeles | Advanced Manufacturing | Biopharmaceutical Manufacturing | \$13,763,050.00 | \$1,158,849 | \$1,158,554.17 | \$13,763,036.51 | 100% | N/A | \$5,393,473 | \$4,234,624 | 305 | 18 | Complete |
| 170 | 16-SM004 | 2016 | 1/19/2016 | rPlanet Earth, LLC | Vernon | Los Angeles | Advanced Manufacturing | Plastic Recycling | \$119,800,000.00 | \$10,087,160.00 | \$8,275,768.66 | \$98,580,856.24 | 82% | N/A | \$34,955,481 | \$24,868,321 | 625 | 59 | Complete |
| 171 | 16-SM005 | 2016 | 1/19/2016 | Escondido Bioenergy Facility, LLC | Escondido | San Diego | Alternative Source | Biogas Capture and Production | \$1,900,000.00 | \$159,980 | \$49,901.34 | \$596,906.00 | 31% | \$28,355 | \$344,260 | \$212,635 | 11 | 1 | Complete |
| 172 | 16-SM006 | 2016 | 1/19/2016 | California Safe Soil | McClellan | Sacramento | Advanced Manufacturing | Soil Amendments Production | \$3,750,000.00 | \$315,750 | \$268,842.91 | \$3,188,253.23 | 85% | N/A | \$1,623,748 | \$1,307,998 | 22 | 2 | Complete |
| 173 | 16-SM002 | 2016 | 2/16/2016 | The Gill Corporation and its Subsidiary, Castle Industries | El Monte; Ontario | Los Angeles; San Bernardino | Advanced Manufacturing | Aerospace Manufacturing | \$8,472,000.00 | \$713,342 | \$271,935.85 | \$3,231,275.08 | 38% | N/A | \$2,371,545 | \$1,658,203 | 608 | 36 | Complete |
| 174 | 16-SM008 | 2016 | 10/18/2016 | Waste Management of Alameda County | San Leandro | Alameda | Recycled Resource Extraction | Mixed Recycling | \$77,272,550.00 | \$6,506,349 | \$3,141,565.24 | \$37,394,411.66 | 48% | \$141,898 | \$8,381,777 | \$2,017,327 | 144 | 20 | Complete |
| 175 | 16-SM009 | 2016 | 10/18/2016 | Waste Management Recycling and Disposal Services of California, Inc. | Sun Valley | Los Angeles | Recycled Resource Extraction | Mixed Organics | \$3,500,000.00 | \$294,700 | \$287,607.48 | \$3,416,591.71 | 98% | \$8,008 | \$568,386 | \$281,694 | 37 | 1 | Complete |

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|-----|----------|---------------|---------------|--|--|---|------------------------------|--|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 176 | 16-SM011 | 2016 | 10/18/2016 | SANCO Services, LP | Escondido | San Diego | Recycled Resource Extraction | Mixed Recycling | \$24,190,000.00 | \$2,036,798 | \$1,440,630.87 | \$17,116,898.19 | 71% | \$91,615 | \$3,306,064 | \$1,360,881 | 112 | 12 | Complete |
| 177 | 16-SM013 | 2016 | 10/18/2016 | Recology San Francisco | San Francisco | San Francisco | Recycled Resource Extraction | Mixed Recycling | \$7,917,170.23 | \$666,626 | \$654,666.79 | \$7,775,140.00 | 98% | \$16,789 | \$701,902 | \$52,065 | 127 | 8 | Complete |
| 178 | 16-SM014 | 2016 | 10/18/2016 | Monterey Regional Waste Management District | Marina | Monterey | Recycled Resource Extraction | Mixed Recycling | \$11,401,677.00 | \$960,021 | \$960,021.20 | \$11,401,677.00 | 100% | \$44,567 | \$1,310,429 | \$394,975 | 35 | 4 | Complete |
| 179 | 16-SM017 | 2016 | 10/18/2016 | Mid-Valley Disposal | Fresno | Fresno | Recycled Resource Extraction | Mixed Recycling | \$6,821,909.00 | \$574,405 | \$511,312.29 | \$6,116,175.70 | 90% | \$29,922 | \$592,293 | \$47,811 | 54 | 5 | Complete |
| 180 | 16-SM018 | 2016 | 10/18/2016 | Mid-Valley Disposal | Kerman | Fresno | Recycled Resource Extraction | Mixed Organics | \$3,739,543.00 | \$314,870 | \$313,047.45 | \$3,739,543.00 | 100% | \$12,990 | \$275,785 | -\$26,094 | 24 | 3 | Complete |
| 181 | 16-SM021 | 2016 | 11/15/2016 | GreenWaste Recovery, Inc. | San Jose | Santa Clara | Recycled Resource Extraction | Mixed Recycling and Organics | \$4,458,683.00 | \$375,421 | \$375,421.11 | \$4,458,683.00 | 100% | \$9,786 | \$910,539 | \$544,904 | 26 | 2 | Complete |
| 182 | 16-SM031 | 2016 | 12/13/2016 | Eslinger Biodiesel Inc. | Fresno | Fresno | Alternative Source | Biomass Processing and Fuel Production | \$8,394,385.00 | \$706,807 | \$706,273.50 | \$8,394,385.00 | 100% | \$570,932 | \$2,291,152 | \$2,155,277 | 34 | 2 | Complete |
| 183 | 16-SM033 | 2016 | 12/13/2016 | ABEC #3 LLC dba Lake View Farms Dairy Biogas | Bakersfield | Kern | Alternative Source | Biogas Capture and Production | \$2,401,884.00 | \$202,239 | \$202,238.63 | \$2,401,884.00 | 100% | \$33,640 | \$311,256 | \$142,657 | 25 | 3 | Complete |
| 184 | 16-SM034 | 2016 | 12/13/2016 | ABEC #4 LLC dba CE&S Dairy Biogas | Bakersfield | Kern | Alternative Source | Biogas Capture and Production | \$2,701,502.00 | \$227,467 | \$227,466.47 | \$2,701,502.00 | 100% | \$57,815 | \$506,804 | \$337,152 | 24 | 4 | Complete |
| 185 | 16-SM036 | 2016 | 12/13/2016 | Tesla, Inc. | Fremont; Hawthorne; Palo Alto; Menlo Park; Lathrop | Alameda; Los Angeles; Santa Clara; San Mateo; San Joaquin | Advanced Transportation | Electric Vehicle Manufacturing | \$560,917,080.00 | \$47,229,218 | \$47,229,218.14 | \$560,917,080.00 | 100% | \$7,883,861 | \$46,343,056 | \$6,997,699 | 1,585 | 80 | Complete |
| 186 | 16-SM037 | 2016 | 12/13/2016 | Gilead Sciences, Inc. | La Verne | Los Angeles | Advanced Manufacturing | Biopharmaceutical Manufacturing | \$51,645,674.00 | \$4,348,566 | \$4,281,186.70 | \$50,884,271.93 | 99% | N/A | \$3,908,387 | -\$440,179 | 746 | 48 | Complete |
| 187 | 17-SM002 | 2017 | 1/17/2017 | Atara Biotherapeutics, Inc. | Thousand Oaks | Ventura | Advanced Manufacturing | Biopharmaceutical Manufacturing | \$16,285,217.00 | \$1,371,215 | \$1,300,154.32 | \$15,430,506.34 | 95% | N/A | \$8,830,079 | \$7,458,864 | 103 | 6 | Complete |
| 188 | 17-SM003 | 2017 | 1/17/2017 | Tesla, Inc. | Fremont | Alameda | Advanced Transportation | Electric Vehicle Manufacturing | \$287,322,328.00 | \$24,192,540 | \$24,113,805.22 | \$287,322,316.11 | 100% | \$2,796,551 | \$20,997,523 | -\$398,467 | 1,011 | 43 | Complete |
| 189 | 17-SM007 | 2017 | 2/21/2017 | BYD Coach & Bus LLC | Lancaster | Los Angeles | Advanced Transportation | Electric Bus Manufacturing | \$3,189,014.00 | \$268,515 | \$257,064.53 | \$3,066,013.53 | 96% | \$1,728,198 | \$11,841,232 | \$13,300,915 | 1,279 | 33 | Complete |
| 190 | 17-SM011 | 2017 | 2/21/2017 | HZIU Kompogas SLO inc. | San Luis Obispo | San Luis Obispo | Alternative Source | Biomass Processing and Fuel Production | \$7,104,020.00 | \$598,158 | \$587,193.43 | \$7,023,772.27 | 99% | \$38,784 | \$529,337 | -\$30,037 | 33 | 5 | Complete |
| 191 | 17-SM018 | 2017 | 3/21/2017 | Calgren Dairy Fuels, LLC | Pixley | Tulare | Alternative Source | Biomass Processing and Fuel Production | \$20,373,200.00 | \$1,715,423 | \$1,690,988.28 | \$20,227,132.55 | 99% | \$1,627,153 | \$2,424,238 | \$2,335,968 | 68 | 12 | Complete |
| 192 | 17-SM009 | 2017 | 4/18/2017 | Best Express Foods, Inc. | Stockton | San Joaquin | Advanced Manufacturing | Advanced Food Production | \$3,502,976.00 | \$294,951 | \$293,996.81 | \$3,502,753.00 | 100% | N/A | \$1,185,647 | \$890,697 | 78 | 4 | Complete |
| 193 | 17-SM019 | 2017 | 4/18/2017 | ChargePoint Inc. | Campbell | Santa Clara | Advanced Manufacturing | Electric Vehicle Charging Station Production | \$1,660,000.00 | \$139,772 | \$137,073.47 | \$1,638,600.14 | 99% | N/A | \$341,105 | \$201,333 | 35 | 3 | Complete |
| 194 | 17-SM022 | 2017 | 5/16/2017 | SJV Biodiesel, LLC | Pixley | Tulare | Alternative Source | Biodiesel Production | \$6,680,600.00 | \$562,507 | \$560,241.38 | \$6,680,072.38 | 100% | \$287,262 | \$2,711,381 | \$2,436,136 | 20 | 2 | Complete |
| 195 | 17-SM043 | 2017 | 5/16/2017 | Boehringer Ingelheim Fremont, Inc. | Fremont | Alameda | Advanced Manufacturing | Biopharmaceutical Manufacturing | \$214,040,484.00 | \$18,022,209 | \$17,994,083.36 | \$214,040,484.00 | 100% | N/A | \$58,787,003 | \$40,764,795 | 747 | 14 | Complete |
| 196 | 17-SM006 | 2017 | 6/20/2017 | CR&R Incorporated | Lakeside; Perris | Riverside | Alternative Source | Biomass Processing and Fuel Production | \$11,610,900.00 | \$977,638 | \$956,299.81 | \$11,375,918.00 | 98% | \$187,531 | \$888,838 | \$98,731 | 47 | 6 | Complete |

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|-----|----------|---------------|---------------|--|---------------------------|---------------------------------|------------------------------|---|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 197 | 17-SM021 | 2017 | 6/20/2017 | Advance International Inc. | Livermore | Alameda | Advanced Manufacturing | Advanced Food Production | \$2,283,000.00 | \$192,229 | \$190,840.71 | \$2,282,783.65 | 100% | N/A | \$884,553 | \$692,324 | 98 | 6 | Complete |
| 198 | 17-SM042 | 2017 | 6/20/2017 | Aranda Tooling, Inc. | Chino | San Bernardino | Advanced Manufacturing | Tooling and Metal Stamping | \$10,035,231.00 | \$844,966 | \$778,850.45 | \$9,257,741.00 | 92% | N/A | \$6,607,393 | \$5,762,427 | 180 | 11 | Complete |
| 199 | 17-SM045 | 2017 | 6/20/2017 | U.S. Corrugated of Los Angeles, Inc. | Cerritos | Los Angeles | Advanced Manufacturing | Corrugated Packaging Manufacturing | \$5,834,792.00 | \$491,289 | \$488,981.93 | \$5,834,792.00 | 100% | N/A | \$2,325,511 | \$1,834,222 | 95 | 9 | Complete |
| 200 | 17-SM047 | 2017 | 6/20/2017 | Crimson Renewable Energy, LP | Bakersfield | Kern | Alternative Source | Biodiesel Production | \$21,833,100.00 | \$1,838,347 | \$1,716,089.22 | \$20,499,343.18 | 94% | \$641,781 | \$7,253,563 | \$6,056,996 | 62 | 6 | Complete |
| 201 | 17-SM052 | 2017 | 7/18/2017 | Sanitation Districts of Los Angeles County | Whittier; Carson | Los Angeles | Alternative Source | Biomass Processing and Fuel Production | \$11,928,310.00 | \$1,004,364 | \$997,563.08 | \$11,911,750.46 | 100% | \$95,175 | \$2,099,961 | \$1,190,772 | 41 | 4 | Complete |
| 202 | 17-SM053 | 2017 | 7/18/2017 | Recology San Francisco | San Francisco | San Francisco | Recycled Resource Extraction | Mixed Recycling | \$3,633,145.00 | \$305,911 | \$259,121.01 | \$3,091,815.34 | 85% | \$6,194 | \$359,894 | \$60,177 | 119 | 3 | Complete |
| 203 | 17-SM054 | 2017 | 8/15/2017 | AMRO Fabricating Corporation | South El Monte | Los Angeles | Advanced Manufacturing | Aerospace Manufacturing | \$5,120,000.00 | \$431,104 | \$411,372.64 | \$4,920,725.49 | 96% | N/A | \$611,847 | \$180,743 | 92 | 7 | Complete |
| 204 | 17-SM013 | 2017 | 9/19/2017 | PolyPeptide Laboratories, Inc. | Torrance | Los Angeles | Advanced Manufacturing | Peptide Pharmaceutical Manufacturing | \$12,750,000.00 | \$1,073,550 | \$1,067,112.58 | \$12,749,833.20 | 100% | N/A | \$1,026,253 | -\$47,297 | 240 | 7 | Complete |
| 205 | 17-SM055 | 2017 | 9/19/2017 | National Steel and Shipbuilding Company | San Diego | San Diego | Advanced Manufacturing | Thin Steel Plate Manufacturing | \$40,500,000.00 | \$3,410,100 | \$2,853,484.61 | \$34,131,478.25 | 84% | N/A | \$8,549,758 | \$5,139,658 | 5,220 | 72 | Complete |
| 206 | 17-SM057 | 2017 | 9/19/2017 | Lollicup USA, Inc. | Chino | San Bernardino | Advanced Manufacturing | Food Grade Recycled Packaging Manufacturing | \$10,345,200.00 | \$871,066 | \$548,540.35 | \$6,550,804.18 | 63% | N/A | \$4,455,345 | \$3,584,279 | 396 | 9 | Complete |
| 207 | 17-SM058 | 2017 | 10/17/2017 | SunLine Transit Agency | Thousand Palms | Riverside | Alternative Source | Renewable Hydrogen Production | \$7,000,000.00 | \$589,400 | \$585,206.00 | \$7,000,000.00 | 100% | \$23,821 | \$720,765 | \$155,186 | 4 | 1 | Complete |
| 208 | 17-SM059 | 2017 | 10/17/2017 | CalPlant I, LLC | Willows | Glenn | Advanced Manufacturing | Medium Density Fiberboard Production | \$92,278,983.00 | \$7,769,890 | \$7,714,522.98 | \$92,278,983.00 | 100% | N/A | \$15,697,094 | \$7,927,204 | 412 | 31 | Complete |
| 209 | 17-SM060 | 2017 | 10/17/2017 | QuantumScape Corporation | San Jose | Santa Clara | Advanced Manufacturing | Electric Vehicle Battery Manufacturing | \$18,243,000.00 | \$1,536,061 | \$1,525,072.01 | \$18,242,488.20 | 100% | N/A | \$1,213,783 | -\$322,277 | 135 | 12 | Complete |
| 210 | 17-SM061 | 2017 | 11/14/2017 | Ontario CNG Station, Inc. | Ontario | San Bernardino | Alternative Source | Renewable Hydrogen Production | \$2,000,000.00 | \$168,400 | \$154,675.40 | \$1,837,000.00 | 92% | \$3,715 | \$260,821 | \$96,136 | 13 | 2 | Complete |
| 211 | 17-SM063 | 2017 | 11/14/2017 | CR&R Incorporated | Stanton | Orange | Recycled Resource Extraction | Mixed Organics | \$8,389,685.00 | \$706,411 | \$577,623.59 | \$6,909,373.20 | 82% | \$43,087 | \$1,514,068 | \$850,743 | 34 | 2 | Complete |
| 212 | 17-SM056 | 2017 | 12/19/2017 | TBC - The Boring Company | Hawthorne | Los Angeles | Advanced Manufacturing | Specialized Concrete Ring Manufacturing | \$3,160,000.00 | \$266,072 | \$264,176.00 | \$3,160,000.00 | 100% | N/A | \$2,385,590 | \$2,119,518 | 24 | 1 | Complete |
| 213 | 17-SM065 | 2017 | 12/19/2017 | Sila Nanotechnologies, Inc. | Alameda | Alameda | Advanced Manufacturing | Silicon Anode Powder Manufacturing | \$11,018,845.00 | \$927,787 | \$912,254.20 | \$10,912,131.60 | 99% | N/A | \$916,086 | -\$11,701 | 123 | 10 | Complete |
| 214 | 18-SM001 | 2018 | 1/16/2018 | Mid-Valley Recycling, LLC | Kerman | Fresno | Recycled Resource Extraction | Mixed Organics | \$1,970,000.00 | \$164,692 | \$165,721.24 | \$1,970,000.00 | 100% | \$16,507 | \$144,811 | -\$3,374 | 12 | 2 | Complete |
| 215 | 18-SM003 | 2018 | 2/20/2018 | Best Express Foods, Inc. | Stockton | San Joaquin | Advanced Manufacturing | Advanced Food Production | \$4,293,330.00 | \$358,922 | \$358,903.67 | \$4,293,106.00 | 100% | N/A | \$1,766,397 | \$1,407,475 | 35 | 2 | Complete |
| 216 | 18-SM004 | 2018 | 3/20/2018 | Tesla, Inc. | Fremont | Alameda | Advanced Transportation | Electric Vehicle Manufacturing | \$239,234,449.00 | \$20,000,000 | \$19,999,999.93 | \$239,234,448.40 | 100% | \$2,581,524 | \$19,018,169 | \$1,599,693 | 842 | 36 | Complete |
| 217 | 18-SM007 | 2018 | 3/20/2018 | Sierra Institute for Community and Environment | Quincy | Plumas | Alternative Source | Biomass Processing and Fuel Production | \$516,286.00 | \$43,162 | \$41,121.87 | \$491,888.37 | 95% | \$4,940 | \$31,347 | -\$6,874 | 8 | 2 | Complete |
| 218 | 18-SM006 | 2018 | 4/17/2018 | Siva Power, Inc. | Santa Clara | Santa Clara | Alternative Source | Solar Photovoltaic Manufacturing | \$6,746,508.00 | \$564,008 | \$564,004.56 | \$6,746,466.08 | 100% | \$339,550 | \$729,070 | \$504,612 | 62 | 6 | Complete |
| 219 | 18-SM008 | 2018 | 4/17/2018 | Faraday&Future Inc. | Hanford; Compton; Gardena | Kings; Los Angeles; Los Angeles | Advanced Transportation | Electric Vehicle Manufacturing | \$239,234,449.00 | \$20,000,000 | \$20,032,707.02 | \$238,980,980.30 | 100% | \$1,008,206 | \$38,031,362 | \$19,039,568 | 1,244 | 85 | Complete |

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|-----|----------|---------------|---------------|--|--------------------------------|----------------------------------|------------------------------|---|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 220 | 18-SM009 | 2018 | 5/15/2018 | Tahoe Asphalt, Inc. | South Lake Tahoe | El Dorado | Recycled Resource Extraction | Asphalt Recycling | \$511,000.00 | \$42,720 | \$42,719.60 | \$511,000.00 | 100% | \$3,484 | \$85,695 | \$46,549 | 2 | 1 | Complete |
| 221 | 18-SM011 | 2018 | 5/15/2018 | Peninsula Plastics Recycling, Inc. | Turlock | Stanislaus | Recycled Resource Extraction | Plastic and Mixed Recycling | \$3,800,000.00 | \$317,680 | \$317,561.59 | \$3,798,583.65 | 100% | \$7,488 | \$1,692,646 | \$1,382,454 | 16 | 2 | Complete |
| 222 | 18-SM013 | 2018 | 5/15/2018 | GreenWaste Recovery, Inc. | San Jose | Santa Clara | Recycled Resource Extraction | Mixed Recycling and Organics | \$11,999,548.00 | \$1,003,162 | \$786,499.03 | \$9,407,883.08 | 78% | \$46,114 | \$2,430,654 | \$1,473,605 | 86 | 5 | Complete |
| 223 | 18-SM015 | 2018 | 6/19/2018 | Space Exploration Technologies Corp. | Hawthorne; Los Angeles; Irvine | Los Angeles; Los Angeles; Orange | Advanced Manufacturing | Aerospace Manufacturing | \$142,708,000.00 | \$11,930,389 | \$11,857,947.14 | \$141,605,297.83 | 99% | N/A | \$15,139,753 | \$3,209,365 | 7,023 | 118 | Complete |
| 224 | 18-SM016 | 2018 | 6/19/2018 | Zanker Road Resource Management, Ltd. | San Jose | Santa Clara | Recycled Resource Extraction | Mixed Recycling | \$11,132,857.00 | \$930,707 | \$919,886.63 | \$11,003,428.57 | 99% | \$154,295 | \$1,438,809 | \$662,398 | 57 | 5 | Complete |
| 225 | 18-SM019 | 2018 | 8/21/2018 | Eurostampa California, LLC | Napa | Napa | Advanced Manufacturing | Advanced Packaging Label Production | \$2,852,000.00 | \$238,427 | \$238,578.14 | \$2,852,000.00 | 100% | N/A | \$433,975 | \$195,548 | 58 | 3 | Complete |
| 226 | 18-SM021 | 2018 | 8/21/2018 | The Almond Company | Madera; Chowchilla | Madera | Advanced Manufacturing | Advanced Food Production | \$3,750,000.00 | \$313,500 | \$266,793.34 | \$3,182,742.02 | 85% | N/A | \$1,448,619 | \$1,135,119 | 25 | 2 | Complete |
| 227 | 18-SM025 | 2018 | 10/16/2018 | EDCO Disposal Corporation | Lemon Grove | San Diego | Recycled Resource Extraction | Mixed Recycling | \$3,750,505.00 | \$313,542 | \$313,542.00 | \$3,750,500.00 | 100% | \$18,776 | \$700,109 | \$405,343 | 24 | 1 | Complete |
| 228 | 18-SM027 | 2018 | 10/16/2018 | CalBioGas Hanford LLC | Hanford | Kings | Alternative Source | Dairy Biogas Production | \$20,422,826.00 | \$1,707,348 | \$1,711,506.15 | \$20,422,826.00 | 100% | \$208,263 | \$3,690,904 | \$2,191,818 | 67 | 6 | Complete |
| 229 | 18-SM029 | 2018 | 11/13/2018 | MSB Investors, LLC | Santa Barbara | Santa Barbara | Recycled Resource Extraction | Mixed Recycling | \$44,661,209.00 | \$3,733,677 | \$1,422,296.26 | \$16,996,604.00 | 38% | \$115,040 | \$3,630,121 | \$11,484 | 74 | 10 | Complete |
| 230 | 18-SM030 | 2018 | 11/13/2018 | Clerprem USA Corp. | Sacramento | Sacramento | Advanced Manufacturing | Passenger Seating System Manufacturing | \$876,493.00 | \$73,275 | \$73,252.87 | \$876,230.46 | 100% | N/A | \$231,095 | \$157,820 | 10 | 1 | Complete |
| 231 | 18-SM031 | 2018 | 11/13/2018 | Niagara Bottling, LLC | Rialto | San Bernardino | Advanced Manufacturing | Water Bottling | \$70,220,748.00 | \$5,870,455 | \$5,214,887.85 | \$62,379,041.22 | 89% | N/A | \$6,595,424 | \$724,970 | 189 | 14 | Complete |
| 232 | 18-SM032 | 2018 | 11/13/2018 | Vivotain, LLC | Ontario | San Bernardino | Advanced Manufacturing | Animal Feed and Organic Fertilizer | \$7,895,770.00 | \$660,086 | \$129,822.08 | \$1,552,018.55 | 20% | N/A | \$564,872 | -\$95,214 | 36 | 5 | Complete |
| 233 | 18-SM034 | 2018 | 11/13/2018 | Star Manu LLC | San Diego | San Diego | Advanced Manufacturing | Health and Beauty Products | \$2,821,986.00 | \$235,918 | \$207,179.74 | \$2,478,226.64 | 88% | N/A | \$534,834 | \$298,916 | 65 | 3 | Complete |
| 234 | 18-SM014 | 2018 | 12/18/2018 | FirstElement Fuel Inc. | Oakland | Alameda | Advanced Manufacturing | Fuel Grade Hydrogen Production | \$2,050,000.00 | \$171,380 | \$171,380.00 | \$2,050,000.00 | 100% | N/A | \$429,910 | \$258,530 | 23 | 2 | Complete |
| 235 | 19-SM003 | 2019 | 2/19/2019 | Watonga RNG 1, LLC | San Diego | San Diego | Alternative Source | Biogas Capture and Production | \$5,500,000.00 | \$459,800 | \$449,917.85 | \$5,377,931.50 | 98% | \$80,989 | \$1,000,104 | \$621,293 | 0 | 0 | Complete |
| 236 | 19-SM004 | 2019 | 2/19/2019 | Sanitation Districts of Los Angeles County | Whittier | Los Angeles | Recycled Resource Extraction | Mixed Recycling | \$15,212,303.00 | \$1,271,749 | \$1,008,382.06 | \$12,040,668.02 | 79% | \$39,199 | \$2,747,895 | \$1,515,345 | 65 | 4 | Complete |
| 237 | 19-SM005 | 2019 | 2/19/2019 | CR&R Incorporated | Perris; Lakeview | Riverside | Recycled Resource Extraction | Mixed Paper and Mixed Organics | \$5,130,235.00 | \$428,880 | \$239,926.72 | \$2,869,936.85 | 56% | \$99,915 | \$334,778 | \$5,805 | 54 | 2 | Complete |
| 238 | 19-SM006 | 2019 | 2/19/2019 | Intuitive Surgical, Inc. and its Subsidiary, Intuitive Surgical Operations, Inc. | Sunnyvale | Santa Clara | Advanced Manufacturing | Advanced Robotic Surgical Systems and Tools | \$96,875,430.00 | \$8,098,786 | \$8,116,165.27 | \$96,874,820.20 | 100% | N/A | \$13,591,326 | \$5,492,540 | 1,272 | 33 | Complete |
| 239 | 19-SM007 | 2019 | 3/19/2019 | Graham Packaging PET Tehcnologies, Inc. | Modesto | Stanislaus | Advanced Manufacturing | Plastic Bottle Manufacturing | \$10,347,274.00 | \$865,032 | \$864,922.80 | \$10,345,966.55 | 100% | N/A | \$3,727,188 | \$2,862,156 | 17 | 1 | Complete |

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|-----|----------|---------------|---------------|--------------------------------------|------------------------|----------------|-------------------------|--|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 240 | 19-SM008 | 2019 | 4/16/2019 | Tesla, Inc. | Fremont | Alameda | Advanced Transportation | Electric Vehicle Manufacturing | \$81,906,653.00 | \$6,847,398 | \$6,847,387.88 | \$81,906,553.64 | 100% | \$924,621 | \$6,382,653 | \$460,584 | 288 | 10 | Complete |
| 241 | 19-SM009 | 2019 | 4/16/2019 | Northrop Grumman Systems Corporation | Palmdale | Los Angeles | Advanced Manufacturing | Aerospace Manufacturing | \$211,964,787.00 | \$17,720,256 | \$17,734,411.34 | \$211,964,787.00 | 100% | N/A | \$26,906,447 | \$9,186,191 | 4,886 | 232 | Complete |
| 242 | 19-SM011 | 2019 | 5/21/2019 | Quantitative BioSciences, Inc | Modesto | Stanislaus | Alternative Source | Biogas Capture and Production | \$875,511.00 | \$73,193 | \$72,566.25 | \$868,017.37 | 99% | \$17,580 | \$93,692 | \$38,079 | 2 | 0 | Complete |
| 243 | 19-SM012 | 2019 | 5/21/2019 | SANCO Services, L.P. | Escondido | San Diego | Alternative Source | Biogas Capture and Production | \$15,216,783.00 | \$1,272,131 | \$1,259,668.41 | \$15,037,783.00 | 99% | \$192,942 | \$2,749,888 | \$1,670,707 | 127 | 12 | Complete |
| 244 | 19-SM027 | 2019 | 6/18/2019 | Joby Aero, Inc. | Marina | Monterey | Advanced Transportation | Electric Vertical Take Off and Landing (eVTOL) Aircraft Manufacturing | \$73,473,675.00 | \$6,142,399 | \$6,196,856.55 | \$73,473,675.00 | 100% | \$151,181 | \$31,297,045 | \$25,305,827 | 1,457 | 85 | Complete |
| 245 | 19-SM028 | 2019 | 6/18/2019 | Touchstone Pistachio Company, LLC | Cantua Creek | Fresno | Advanced Manufacturing | Pistachio Processing and Production | \$79,196,100.00 | \$6,620,794 | \$6,642,097.28 | \$79,159,969.81 | 100% | N/A | \$15,571,185 | \$8,950,391 | 192 | 14 | Complete |
| 246 | 19-SM029 | 2019 | 6/18/2019 | Edwards Lifesciences LLC | Irvine | Orange | Advanced Manufacturing | Cardiovascular Technology Manufacturing | \$239,234,449.00 | \$20,000,000 | \$20,204,906.95 | \$239,234,448.61 | 100% | N/A | \$20,979,059 | \$979,059 | 1,064 | 48 | Complete |
| 247 | 19-SM031 | 2019 | 6/18/2019 | Entekra, LLC | Modesto | Stanislaus | Advanced Manufacturing | Pre-Engineered Structural Shell Production | \$20,750,000.00 | \$1,734,700 | \$1,067,541.21 | \$12,764,279.41 | 62% | N/A | \$13,737,134 | \$12,002,434 | 268 | 17 | Complete |
| 248 | 19-SM033 | 2019 | 7/16/2019 | Allogene Therapeutics, Inc. | Newark | Alameda | Advanced Manufacturing | Biopharmaceutical Manufacturing | \$36,351,130.00 | \$3,038,954 | \$2,197,319.55 | \$26,170,107.47 | 72% | N/A | \$6,892,248 | \$3,853,294 | 206 | 12 | Complete |
| 249 | 19-SM034 | 2019 | 7/16/2019 | Lakeside Pipeline LLC | Hanford | Kings | Alternative Source | Dairy Biogas Production | \$16,508,315.00 | \$1,380,095 | \$1,037,798.29 | \$12,362,918.21 | 75% | \$451,076 | \$7,864,837 | \$6,935,818 | 31 | 2 | Complete |
| 250 | 20-SM001 | 2020 | 1/21/2020 | Best Express Foods, Inc. | Stockton | San Joaquin | Advanced Manufacturing | Advanced Food Production | \$5,568,292.00 | \$465,509 | \$470,748.57 | \$5,568,233.00 | 100% | N/A | \$2,711,411 | \$2,245,902 | 61 | 4 | Complete |
| 251 | 20-SM003 | 2020 | 1/21/2020 | East Valley Water District | Highland | San Bernardino | Alternative Source | Biogas Capture and Production | \$60,328,000.00 | \$5,043,421 | \$4,856,895.81 | \$57,813,096.51 | 96% | \$729,069 | \$7,918,079 | \$3,603,727 | 79 | 12 | Complete |
| 252 | 20-SM005 | 2020 | 1/21/2020 | Merced Pipeline LLC | Merced | Merced | Alternative Source | Dairy Biogas Production | \$31,922,542.00 | \$2,668,725 | \$2,635,060.82 | \$31,331,335.36 | 98% | \$437,234 | \$7,835,465 | \$5,603,974 | 73 | 5 | Complete |
| 253 | 20-SM007 | 2020 | 1/21/2020 | Aemetis Biogas LLC | Ceres | Stanislaus | Alternative Source | Dairy Biogas Production | \$8,772,605.00 | \$733,390 | \$736,748.37 | \$8,772,594.14 | 100% | \$86,121 | \$2,157,797 | \$1,510,529 | 29 | 2 | Complete |
| 254 | 20-SM008 | 2020 | 3/17/2020 | Applied Materials, Inc. | Santa Clara; Sunnyvale | Santa Clara | Advanced Manufacturing | Semiconductor and Related Industries Fabrication Equipment Manufacturing | \$118,692,224.00 | \$9,922,670 | \$10,073,647.91 | \$118,692,146.93 | 100% | N/A | \$20,897,003 | \$10,974,333 | 3,199 | 67 | Complete |
| 255 | 20-SM009 | 2020 | 3/17/2020 | GCE Holdings Acquisitions, LLC | Bakersfield | Kern | Alternative Source | Renewable Diesel | \$119,617,224.00 | \$10,000,000 | \$10,134,093.36 | \$119,617,224.00 | 100% | \$3,361,461 | \$17,223,213 | \$10,584,674 | 161 | 12 | Complete |
| 256 | 20-SM014 | 2020 | 3/17/2020 | Lam Research Corporation | Fremont; Livermore | Alameda | Advanced Manufacturing | Semiconductor Fabrication Equipment Manufacturing | \$119,617,224.00 | \$10,000,000 | \$10,071,138.00 | \$119,617,223.04 | 100% | N/A | \$23,229,619 | \$13,229,619 | 2,685 | 68 | Complete |
| 257 | 20-SM017 | 2020 | 3/17/2020 | ACC Renewable Resources, LLC | Williams | Colusa | Alternative Source | Biomass Processing and Fuel Production | \$12,680,000.00 | \$1,060,048 | \$1,075,613.03 | \$12,680,000.00 | 100% | \$897,448 | \$2,045,500 | \$1,882,900 | 15 | 2 | Complete |
| 258 | 20-SM018 | 2020 | 3/17/2020 | Hat Creek Bioenergy, LLC | Burney | Shasta | Alternative Source | Biomass Processing and Fuel Production | \$12,680,000.00 | \$1,060,048 | \$1,065,755.40 | \$12,680,000.00 | 100% | \$897,448 | \$2,061,725 | \$1,899,124 | 15 | 2 | Complete |
| 259 | 20-SM025 | 2020 | 3/17/2020 | Tesla, Inc. | Fremont | Alameda | Advanced Transportation | Electric Vehicle Manufacturing | \$119,617,224.00 | \$10,000,000 | \$10,050,754.68 | \$119,607,839.37 | 100% | \$5,346,992 | \$49,321,388 | \$44,668,380 | 3,224 | 57 | Complete |

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|-----|----------|---------------|---------------|--|----------------------------|----------------|------------------------------|---|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 260 | 20-SM026 | 2020 | 3/17/2020 | Hadco Metal Trading Co., LLC | Bakersfield | Kern | Advanced Manufacturing | Metal Products Manufacturing | \$9,400,000.00 | \$785,840 | \$786,354.26 | \$9,387,468.55 | 100% | N/A | \$868,564 | \$82,724 | 64 | 5 | Complete |
| 261 | 21-SM001 | 2021 | 3/16/2021 | Garaventa Enterprises, Inc. | Pittsburg | Contra Costa | Recycled Resource Extraction | Mixed Recycling | \$11,600,000.00 | \$986,000 | \$974,443.40 | \$11,464,040.00 | 99% | \$311,144 | \$2,304,863 | \$1,630,007 | 120 | 10 | Complete |
| 262 | 21-SM002 | 2021 | 3/16/2021 | EDCO Disposal Corporation | Lemon Grove | San Diego | Recycled Resource Extraction | Mixed Recycling | \$14,659,474.00 | \$1,246,055 | \$1,193,331.14 | \$14,274,295.91 | 97% | \$303,927 | \$2,113,570 | \$1,171,442 | 104 | 9 | Complete |
| 263 | 21-SM003 | 2021 | 3/16/2021 | Recology Sonoma Marin | Santa Rosa | Sonoma | Recycled Resource Extraction | Mixed Recycling | \$15,266,032.00 | \$1,297,613.00 | \$1,297,150.98 | \$15,266,014.60 | 100% | \$140,202 | \$1,514,673 | \$357,263 | 77 | 9 | Complete |
| 264 | 21-SM008 | 2021 | 3/16/2021 | Aemetis Biogas, LLC | Crows Landing | Stanislaus | Alternative Source | Dairy Biogas Production | \$13,561,890.00 | \$1,152,761.00 | \$1,124,518.82 | \$13,310,153.37 | 98% | \$1,237,725 | \$6,228,632 | \$6,313,597 | 31 | 2 | Complete |
| 265 | 21-SM010 | 2021 | 3/16/2021 | QuantumScape Corporation | San Jose | Santa Clara | Advanced Manufacturing | Electric Vehicle Battery Manufacturing | \$19,999,333.00 | \$1,699,943 | \$1,699,943.31 | \$19,999,333.00 | 100% | N/A | \$2,040,086 | \$340,143 | 474 | 39 | Complete |
| 266 | 21-SM012 | 2021 | 3/16/2021 | Lam Research Corporation | Fremont; Livermore | Alameda | Advanced Manufacturing | Semiconductor Fabrication Equipment Manufacturing | \$22,900,000.00 | \$1,946,500 | \$1,946,499.97 | \$22,899,999.59 | 100% | N/A | \$6,790,103 | \$4,843,603 | 2,909 | 24 | Complete |
| 267 | 21-SM016 | 2021 | 3/16/2021 | Paradigm Packaging West, LLC | Rancho Cucamonga | San Bernardino | Advanced Manufacturing | Medical Device and Component Manufacturing | \$23,528,330.00 | \$1,999,908 | \$1,999,908.05 | \$23,528,330.00 | 100% | N/A | \$2,623,298 | \$623,690 | 357 | 21 | Complete |
| 268 | 21-SM017 | 2021 | 3/16/2021 | Circulus Holdings, PBLLC | Modesto | Stanislaus | Advanced Manufacturing | Plastic Recycling | \$17,747,169.00 | \$1,508,509 | \$1,490,434.03 | \$17,534,518.00 | 99% | N/A | \$3,522,497 | \$2,013,988 | 53 | 5 | Complete |
| 269 | 21-SM018 | 2021 | 3/16/2021 | MP Materials Corp. | San Bernardino | San Bernardino | Advanced Manufacturing | Rare Earth Materials Production | \$23,527,500.00 | \$1,999,838 | \$1,999,837.50 | \$23,527,500.00 | 100% | N/A | \$4,996,721 | \$2,996,883 | 670 | 8 | Complete |
| 270 | 21-SM019 | 2021 | 3/16/2021 | Rialto Bioenergy Facility, LLC | Bloomington | San Bernardino | Alternative Source | Biogas Capture and Production | \$38,259,725.00 | \$3,252,077 | \$3,250,180.95 | \$38,237,423.02 | 100% | \$4,876,767 | \$5,647,833 | \$7,272,523 | 19 | 3 | Complete |
| 271 | 21-SM021 | 2021 | 3/16/2021 | Ameresco Keller Canyon RNG, LLC | Pittsburg | Contra Costa | Alternative Source | Landfill Gas to Renewable Natural Gas | \$27,722,495.00 | \$2,356,412 | \$2,356,296.98 | \$27,721,140.92 | 100% | \$3,231,711 | \$6,286,445 | \$7,161,744 | 31 | 3 | Complete |
| 272 | 21-SM024 | 2021 | 3/16/2021 | Tesoro Refining & Marketing Company, LLC | Martinez | Contra Costa | Alternative Source | Renewable Diesel and Propane Production | \$127,223,954.00 | \$10,814,036 | \$10,814,036.09 | \$127,223,954.00 | 100% | \$22,217,044 | \$54,645,815 | \$66,048,823 | 745 | 16 | Complete |
| 273 | 21-SM029 | 2021 | 3/16/2021 | DexCom, Inc. | San Diego | San Diego | Advanced Manufacturing | Medical Device Manufacturing | \$69,450,000.00 | \$5,903,250.00 | \$1,159,059.10 | \$13,635,989.41 | 20% | N/A | \$20,125,937 | \$14,222,687 | 2,815 | 123 | Complete |
| 274 | 21-SM030 | 2021 | 5/18/2021 | RNG Moovers, LLC | Chowchilla; Madera; Pixley | Madera; Tulare | Alternative Source | Dairy Biogas | \$29,475,049.00 | \$2,505,379 | \$2,505,379.17 | \$29,475,049.00 | 100% | \$1,322,255 | \$5,965,660 | \$4,782,536 | 60 | 5 | Complete |
| 275 | 21-SM032 | 2021 | 5/18/2021 | CertainTeed, LLC | Chowchilla | Madera | Advanced Manufacturing | Residential Insulation Manufacturing | \$22,300,000.00 | \$1,895,500 | \$1,854,787.19 | \$21,821,025.68 | 98% | N/A | \$3,721,318 | \$1,825,818 | 227 | 4 | Complete |
| 276 | 21-SM033 | 2021 | 5/18/2021 | Enovix Corporation | Fremont | Alameda | Advanced Manufacturing | Lithium-Ion Battery Manufacturing | \$49,075,888.00 | \$4,171,450 | \$3,712,437.57 | \$43,710,685.78 | 89% | N/A | \$6,749,817 | \$2,578,366 | 169 | 13 | Complete |
| 277 | 22-SM006 | 2022 | 6/21/2022 | Paradigm Packaging West, LLC | Rancho Cucamonga | San Bernardino | Advanced Manufacturing | Medical Device and Component Manufacturing | \$8,354,110.00 | \$710,099 | \$0.00 | \$0.00 | 0% | N/A | \$861,039 | \$150,939 | 321 | 31 | Complete |
| 278 | 22-SM031 | 2022 | 6/21/2022 | Phillips 66 Company | Rodeo | Contra Costa | Alternative Source | Renewable Diesel | \$195,834,944.70 | \$16,645,970 | \$16,530,986.69 | \$195,834,944.70 | 100% | \$53,648,295 | \$37,500,207 | \$74,502,532 | 677 | 42 | Complete |
| 279 | 22-SM041 | 2022 | 6/21/2022 | Lam Research Corporation | Fremont; Livermore | Alameda | Advanced Manufacturing | Semiconductor Fabrication Equipment Manufacturing | \$23,500,000.00 | \$1,997,500 | \$1,995,988.76 | \$23,499,788.19 | 100% | N/A | \$14,353,254 | \$12,355,754 | 3,461 | 45 | Complete |

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|-----|----------|---------------|---------------|---|-----------------------------|---------------------|-------------------------|---|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 280 | 22-SM044 | 2022 | 6/21/2022 | Archer Aviation, Inc. | Palo Alto | Santa Clara | Advanced Transportation | Electric Vertical Take Off and Landing (eVTOL) Aircraft Manufacturing | \$44,360,877.00 | \$3,770,675 | \$3,720,607.18 | \$44,360,778.71 | 100% | \$2,973,327 | \$22,165,537 | \$21,368,189 | 557 | 33 | Complete |
| 281 | 10-SM001 | 2010 | 11/17/2010 | Bowerman Power LFG, LLC | Irvine | Orange | Alternative Source | Landfill Gas Capture and Production | \$9,240,000.00 | \$840,840 | \$0.00 | \$0.00 | 0% | \$398,492 | \$1,008,052 | \$565,704 | 30 | 3 | Inactive |
| 282 | 10-SM005 | 2010 | 11/17/2010 | Gallo Cattle Company | Atwater | Merced | Alternative Source | Biogas Capture and Production | \$1,245,000.00 | \$113,295 | \$0.00 | \$0.00 | 0% | \$791,959 | \$130,374 | \$809,038 | 30 | 3 | Inactive |
| 283 | 10-SM006 | 2010 | 11/17/2010 | Solyndra LLC | Fremont | Alameda | Alternative Source | Solar Photovoltaic Manufacturing | \$381,776,000.00 | \$34,741,616 | \$25,127,322.31 | \$277,309,757.00 | 73% | \$22,202,363 | \$20,765,274 | \$8,226,021 | 2,084 | 225 | Inactive |
| 284 | 10-SM009 | 2010 | 11/17/2010 | Nanosolar Inc. | San Jose | Santa Clara | Alternative Source | Solar Photovoltaic Manufacturing | \$140,187,900.00 | \$12,757,099 | \$4,306,411.56 | \$53,035,063.31 | 38% | \$10,527,415 | \$6,992,728 | \$4,763,045 | 410 | 36 | Inactive |
| 285 | 10-SM011 | 2010 | 11/17/2010 | Stion Corporation | San Jose | Santa Clara | Alternative Source | Solar Photovoltaic Manufacturing | \$105,473,402.00 | \$9,598,080 | \$0.00 | \$0.00 | 0% | \$3,512,324 | \$6,207,404 | \$121,648 | 493 | 47 | Inactive |
| 286 | 10-SM014 | 2010 | 11/17/2010 | Calisolar Inc. | Sunnyvale | Santa Clara | Alternative Source | Solar Photovoltaic Manufacturing | \$39,000,000.00 | \$3,549,000 | \$0.00 | \$0.00 | 0% | \$1,971,609 | \$1,975,797 | \$398,407 | 273 | 13 | Inactive |
| 287 | 10-SM010 | 2010 | 12/15/2010 | Simbol, Inc. | Calipatria; Niland; Brawley | Imperial | Advanced Transportation | Lithium and Battery Material Manufacturing | \$42,484,174.00 | \$3,866,060 | \$164,277.79 | \$1,938,796.34 | 5% | \$558,363 | \$9,552,414 | \$6,244,717 | 212 | 23 | Inactive |
| 288 | 10-SM016 | 2010 | 12/15/2010 | Quantum Fuel Systems Technologies Worldwide, Inc. | Irvine | Orange | Alternative Source | Solar Photovoltaic Manufacturing | \$8,945,858.00 | \$814,073 | \$0.00 | \$0.00 | 0% | \$508,282 | \$5,895,571 | \$5,589,780 | 94 | 11 | Inactive |
| 289 | 10-SM021 | 2010 | 12/15/2010 | Ameresco Crazy Horse LLC | Salinas | Monterey | Alternative Source | Landfill Gas Capture and Production | \$1,558,460.00 | \$141,820 | \$0.00 | \$0.00 | 0% | \$103,093 | \$432,228 | \$393,501 | 12 | 1 | Inactive |
| 290 | 10-SM027 | 2010 | 12/15/2010 | Alta Devices, Inc. | Sunnyvale | Santa Clara | Alternative Source | Solar Photovoltaic Manufacturing | \$40,845,000.00 | \$3,716,895 | \$1,108,615.88 | \$13,653,537.60 | 33% | \$561,404 | \$5,025,666 | \$1,870,175 | 322 | 37 | Inactive |
| 291 | 11-SM002 | 2011 | 1/25/2011 | MiaSolé | Sunnyvale | Santa Clara | Alternative Source | Solar Photovoltaic Manufacturing | \$26,092,000.00 | \$2,374,372 | \$881,599.23 | \$10,883,941.14 | 42% | \$3,246,664 | \$1,363,913 | \$2,236,206 | 56 | 3 | Inactive |
| 292 | 11-SM005 | 2011 | 6/28/2011 | Recology East Bay | Oakland | Alameda | Alternative Source | Biomass Processing and Fuel Production | \$3,703,090.00 | \$336,981 | \$0.00 | \$0.00 | 0% | \$111,243 | \$506,852 | \$281,113 | 46 | 5 | Inactive |
| 293 | 11-SM012 | 2011 | 8/29/2011 | CF Obsidian Energy, LLC | Imperial | Imperial | Alternative Source | Geothermal Brine Extraction | \$174,453,978.00 | \$14,130,772 | \$0.00 | \$0.00 | 0% | \$7,487,143 | \$11,697,269 | \$5,053,640 | 381 | 39 | Inactive |
| 294 | 11-SM014 | 2011 | 8/29/2011 | SoloPower Inc. | San Jose | Santa Clara | Alternative Source | Solar Photovoltaic Manufacturing | \$8,411,240.00 | \$681,310 | \$494,483.62 | \$6,104,736.00 | 73% | \$419,024 | \$575,484 | \$313,197 | 40 | 1 | Inactive |
| 295 | 11-SM015 | 2011 | 8/29/2011 | Amonix, Inc. | Seal Beach; Milpitas | Orange; Santa Clara | Alternative Source | Solar Photovoltaic Manufacturing | \$7,879,667.00 | \$638,253 | \$0.00 | \$0.00 | 0% | \$740,148 | \$2,884,021 | \$2,985,916 | 200 | 12 | Inactive |
| 296 | 12-SM001 | 2012 | 2/21/2012 | Soraa, Inc. | Fremont | Alameda | Alternative Source | Energy Efficient LED Lighting Manufacturing | \$57,002,457.00 | \$4,617,199 | \$1,708,595.60 | \$20,380,383.49 | 36% | \$30,775,968 | \$2,368,664 | \$28,527,434 | 180 | 14 | Inactive |
| 297 | 12-SM009 | 2012 | 10/16/2012 | ABEC New Hope LLC | Galt | Sacramento | Alternative Source | Biogas Capture and Production | \$2,633,359.00 | \$213,302 | \$84,096.31 | \$1,004,734.92 | 38% | \$41,150 | \$208,573 | \$36,421 | 22 | 3 | Inactive |
| 298 | 12-SM010 | 2012 | 10/16/2012 | Electric Vehicles International, LLC | Stockton | San Joaquin | Advanced Transportation | Electric Vehicle Manufacturing | \$5,744,962.00 | \$465,342 | \$256,835.53 | \$3,170,809.00 | 55% | \$83,283 | \$906,571 | \$524,512 | 114 | 8 | Inactive |
| 299 | 12-SM011 | 2012 | 10/16/2012 | Clean World Partners LLC | Sacramento | Sacramento | Alternative Source | Biomass Processing and Fuel Production | \$11,796,759.00 | \$955,537 | \$0.00 | \$0.00 | 0% | \$204,651 | \$977,083 | \$226,196 | 24 | 3 | Inactive |

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|-----|-----------|---------------|---------------|-------------------------------------|-----------------------|-----------------------------|------------------------------|--|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 300 | 13-SM004 | 2013 | 4/16/2013 | EJ Harrison and Sons Rentals, Inc. | Oxnard | Ventura | Alternative Source | Biogas Capture and Production | \$1,212,095.00 | \$101,452 | \$0.00 | \$0.00 | 0% | \$19,311 | \$108,487 | \$26,345 | 6 | 1 | Inactive |
| 301 | 13-SM005 | 2013 | 4/16/2013 | Vitriflex, Inc. | Milpitas | Santa Clara | Alternative Source | Solar Photovoltaic Component Manufacturing | \$16,330,000.00 | \$1,366,821 | \$372,404.20 | \$4,422,852.69 | 27% | \$1,256,397 | \$886,066 | \$775,642 | 47 | 4 | Inactive |
| 302 | 13-SM012 | 2013 | 12/17/2013 | Sugar Valley Energy, LLC | Brawley | Imperial | Advanced Manufacturing | Biomass Processing and Fuel Production | \$444,811,275.00 | \$37,230,704 | \$0.00 | \$0.00 | 0% | N/A | \$51,344,220 | \$14,113,516 | 650 | 84 | Inactive |
| 303 | 13-SM014 | 2013 | 12/17/2013 | Boxer Industries, Inc. | Redwood City | San Mateo | Advanced Manufacturing | Carbon Black Production | \$6,553,000.00 | \$548,486 | \$429,578.15 | \$5,101,878.25 | 78% | N/A | \$539,522 | -\$8,964 | 12 | 1 | Inactive |
| 304 | 14-SM006 | 2014 | 5/20/2014 | Recology Bioenergy | Vacaville | Solano | Alternative Source | Biogas Capture and Production | \$25,967,035.00 | \$2,186,424 | \$0.00 | \$0.00 | 0% | \$271,168 | \$2,747,503 | \$832,247 | 57 | 8 | Inactive |
| 305 | 14-SM009 | 2014 | 8/19/2014 | nanoPrecision Products, Inc. | El Segundo; Camarillo | Los Angeles; Ventura | Advanced Manufacturing | Optical Ferrule Manufacturing | \$7,963,972.00 | \$670,566 | \$425,181.15 | \$5,049,657.37 | 63% | N/A | \$840,081 | \$169,514 | 50 | 4 | Inactive |
| 306 | 14-SM010 | 2014 | 8/19/2014 | AltAir Paramount, LLC | Paramount | Los Angeles | Alternative Source | Renewable Diesel | \$16,325,984.00 | \$1,374,648 | \$1,056,185.71 | \$12,543,773.24 | 77% | \$287,233 | \$6,023,164 | \$4,935,750 | 141 | 3 | Inactive |
| 307 | 14-SM014 | 2014 | 8/19/2014 | Mendota Bioenergy, LLC | Mendota | Fresno | Alternative Source | Biogas Capture and Production | \$2,200,000.00 | \$185,240 | \$10,045.06 | \$119,300.00 | 5% | \$28,671 | \$596,885 | \$440,316 | 28 | 3 | Inactive |
| 308 | 14-SM013 | 2014 | 9/16/2014 | Lockheed Martin Corporation | Palmdale; Helendale | Los Angeles; San Bernardino | Advanced Manufacturing | Aerospace Manufacturing | \$345,296,354.00 | \$29,073,953 | \$0.00 | \$0.00 | 0% | N/A | \$38,053,138 | \$8,979,185 | 1,213 | 91 | Inactive |
| 309 | 14-SM019 | 2014 | 10/21/2014 | Solexel, Inc. | Milpitas | Santa Clara | Alternative Source | Solar Photovoltaic Manufacturing | \$20,500,000.00 | \$1,726,100 | \$1,726,100.00 | \$20,500,000.00 | 100% | \$475,809 | \$1,261,678 | \$11,387 | 128 | 12 | Inactive |
| 310 | 14-SM021 | 2015 | 1/20/2015 | Pacific Ethanol Madera, LLC | Madera | Madera | Advanced Manufacturing | Corn Oil Production | \$4,763,500.00 | \$401,087 | \$271,374.71 | \$3,222,977.51 | 68% | N/A | \$988,793 | \$587,707 | 3 | 0 | Inactive |
| 311 | 15-SM005. | 2015 | 4/21/2015 | GKN Aerospace Chem-Tronics, Inc. | Santa Ana | Orange | Advanced Manufacturing | Aerospace Manufacturing | \$118,687,529.00 | \$9,993,490 | \$1,918,895.15 | \$22,789,728.65 | 19% | N/A | \$8,483,497 | -\$1,509,993 | 231 | 13 | Inactive |
| 312 | 16-SM015 | 2016 | 10/18/2016 | CRM Co., LLC. | Stockton | San Joaquin | Recycled Resource Extraction | Crumb Tire Rubber | \$3,400,000.00 | \$286,280 | \$0.00 | \$0.00 | 0% | \$5,872 | \$1,015,541 | \$735,133 | 32 | 2 | Inactive |
| 313 | 16-SM019 | 2016 | 10/18/2016 | MSB Investors, LLC | Santa Barbara | Santa Barbara | Recycled Resource Extraction | Mixed Recycling | \$32,403,272.00 | \$2,728,356 | \$0.00 | \$0.00 | 0% | \$80,208 | \$2,985,127 | \$336,980 | 75 | 11 | Inactive |
| 314 | 16-SM022 | 2016 | 10/18/2016 | EDCO Disposal Corporation | San Diego | San Diego | Recycled Resource Extraction | Mixed Recycling | \$10,000,000.00 | \$842,000 | \$0.00 | \$0.00 | 0% | \$47,049 | \$961,493 | \$166,542 | 45 | 5 | Inactive |
| 315 | 16-SM023 | 2016 | 10/18/2016 | EDCO Transport Services | Signal Hill | Los Angeles | Recycled Resource Extraction | Mixed Recycling | \$10,500,000.00 | \$884,100 | \$0.00 | \$0.00 | 0% | \$48,397 | \$1,094,340 | \$258,637 | 37 | 5 | Inactive |
| 316 | 16-SM026 | 2016 | 12/13/2016 | XT Green, Inc. | Corona | Riverside | Advanced Manufacturing | Advanced Carpet Recycling | \$8,970,500.00 | \$755,316 | \$186,237.83 | \$2,216,005.00 | 25% | N/A | \$2,260,835 | \$1,505,519 | 84 | 15 | Inactive |
| 317 | 17-SM001 | 2017 | 1/17/2017 | North Fork Community Power | North Fork | Madera | Alternative Source | Biomass Processing and Fuel Production | \$6,819,733.00 | \$574,222 | \$447,466.94 | \$5,296,597.00 | 78% | \$276,774 | \$940,730 | \$643,283 | 24 | 3 | Inactive |
| 318 | 17-SM016 | 2017 | 3/21/2017 | Colony Energy Partners- Tulare, LLC | Tulare | Tulare | Alternative Source | Biomass Processing and Fuel Production | \$20,800,000.00 | \$1,751,360 | \$0.00 | \$0.00 | 0% | \$581,721 | \$2,675,765 | \$1,506,126 | 49 | 7 | Inactive |
| 319 | 17-SM017 | 2017 | 3/21/2017 | FoodService Partners, LLC | Richmond | Contra Costa | Advanced Manufacturing | Advanced Food Production | \$8,500,000.00 | \$715,700 | \$0.00 | \$0.00 | 0% | N/A | \$6,165,933 | \$5,450,233 | 240 | 15 | Inactive |
| 320 | 17-SM020 | 2017 | 4/18/2017 | CALAMCO NH3 LLC | Taft | Kern | Advanced Manufacturing | Fertilizer Production | \$107,607,827.00 | \$9,060,579 | \$0.00 | \$0.00 | 0% | N/A | \$16,925,300 | \$7,864,721 | 84 | 11 | Inactive |
| 321 | 17-SM023 | 2017 | 6/20/2017 | Organic Energy Solutions, LLC | San Bernardino | San Bernardino | Alternative Source | Biomass Processing and Fuel Production | \$24,440,000.00 | \$2,057,848 | \$1,909,275.11 | \$22,830,142.80 | 93% | \$602,601 | \$1,552,332 | \$97,085 | 106 | 17 | Inactive |

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|-----|----------|---------------|---------------|--|------------------|----------------|-------------------------|---|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 322 | 17-SM044 | 2017 | 6/20/2017 | Sunergy California LLC | McClellan | Sacramento | Alternative Source | Solar Photovoltaic Manufacturing | \$7,823,286.00 | \$658,721 | \$378,700.22 | \$4,526,931.17 | 58% | \$2,877,987 | \$3,761,032 | \$5,980,298 | 195 | 12 | Inactive |
| 323 | 17-SM048 | 2017 | 6/20/2017 | Tracy Renewable Energy, LLC | Tracy | San Joaquin | Alternative Source | Ethanol Production | \$52,246,456.00 | \$4,399,152 | \$0.00 | \$0.00 | 0% | \$1,620,925 | \$15,913,811 | \$13,135,585 | 97 | 10 | Inactive |
| 324 | 17-SM050 | 2017 | 6/20/2017 | eco.logic brands, inc. | Manteca | San Joaquin | Advanced Manufacturing | Recycled Paper Bottles Manufacturing | \$6,944,000.00 | \$584,685 | \$585,738.72 | \$6,944,000.69 | 100% | N/A | \$757,657 | \$172,972 | 66 | 5 | Inactive |
| 325 | 17-SM051 | 2017 | 6/20/2017 | Schlosser Forge Company | Rancho Cucamonga | San Bernardino | Advanced Manufacturing | Aero Engine Ring Forging | \$53,568,357.00 | \$4,510,456 | \$0.00 | \$0.00 | 0% | N/A | \$4,530,814 | \$20,359 | 263 | 17 | Inactive |
| 326 | 17-SM046 | 2017 | 7/18/2017 | Pacific Ethanol Stockton, LLC | Stockton | San Joaquin | Alternative Source | Biogas Capture and Production | \$5,932,500.00 | \$499,517 | \$0.00 | \$0.00 | 0% | \$273,362 | \$693,533 | \$467,378 | 31 | 5 | Inactive |
| 327 | 17-SM010 | 2017 | 8/15/2017 | Verdeco Recycling, Inc. | South Gate | Los Angeles | Advanced Manufacturing | Recycled Food Packaging Manufacturing | \$4,940,350.00 | \$415,977 | \$0.00 | \$0.00 | 0% | N/A | \$1,699,834 | \$1,283,856 | 8 | 1 | Inactive |
| 328 | 17-SM008 | 2017 | 9/19/2017 | Aemerge RedPak Services Southern California, LLC | Hesperia | San Bernardino | Advanced Manufacturing | Medical Waste Recycling | \$37,000,676.00 | \$3,115,457 | \$576,519.84 | \$6,863,147.63 | 19% | N/A | \$3,399,447 | \$283,990 | 55 | 9 | Inactive |
| 329 | 17-SM064 | 2017 | 12/19/2017 | WIE-AGRON Bioenergy, LLC | Watsonville | Santa Cruz | Alternative Source | Biodiesel Production | \$3,500,000.00 | \$294,700 | \$171,129.67 | \$2,047,005.61 | 58% | \$116,974 | \$909,611 | \$731,885 | 18 | 1 | Inactive |
| 330 | 18-SM005 | 2018 | 3/20/2018 | Thermal Technology, LLC | Santa Rosa | Sonoma | Advanced Manufacturing | Additive Manufacturing | \$8,726,448.00 | \$729,531 | \$0.00 | \$0.00 | 0% | N/A | \$799,519 | \$69,988 | 21 | 2 | Inactive |
| 331 | 18-SM010 | 2018 | 5/15/2018 | GB CNC Services, LLC | Fountain Valley | Orange | Advanced Manufacturing | Turned Part Manufacturing | \$7,680,000.00 | \$642,048 | \$23,441.17 | \$280,396.80 | 4% | N/A | \$1,164,200 | \$522,152 | 37 | 2 | Inactive |
| 332 | 18-SM012 | 2018 | 6/19/2018 | Chanje Energy, Inc. | Hawthorne | Los Angeles | Advanced Transportation | Electric Vehicle Manufacturing | \$22,329,400.00 | \$1,866,738 | \$0.00 | \$0.00 | 0% | \$15,578,624 | \$71,861,266 | \$85,573,152 | 260 | 15 | Inactive |
| 333 | 18-SM020 | 2018 | 8/21/2018 | WIE-AGRON Bioenergy, LLC | Watsonville | Santa Cruz | Alternative Source | Biodiesel Production | \$7,685,000.00 | \$642,466 | \$0.00 | \$0.00 | 0% | \$73,544 | \$1,216,403 | \$647,480 | 45 | 7 | Inactive |
| 334 | 18-SM023 | 2018 | 9/18/2018 | Katerra Construction LLC | Tracy | San Joaquin | Advanced Manufacturing | Multifamily Unit Building Component Manufacturing | \$71,608,261.00 | \$5,986,451 | \$4,231,673.60 | \$50,611,919.78 | 71% | N/A | \$15,745,595 | \$9,759,144 | 680 | 50 | Inactive |
| 335 | 18-SM033 | 2018 | 11/13/2018 | Nate's Fine Foods LLC | Roseville | Placer | Advanced Manufacturing | Advanced Food Production | \$5,886,000.00 | \$492,070 | \$37,793.52 | \$452,075.52 | 8% | N/A | \$1,312,727 | \$820,658 | 79 | 5 | Inactive |
| 336 | 18-SM035 | 2018 | 12/18/2018 | UTCRAS, LLC | Bakersfield | Kern | Advanced Manufacturing | Rail Transportation Manufacturing | \$3,174,400.00 | \$265,380 | \$109,114.90 | \$1,305,202.10 | 41% | N/A | \$599,624 | \$334,244 | 41 | 3 | Inactive |
| 337 | 18-SM037 | 2018 | 12/18/2018 | Aemetis Advanced Products Keyes, Inc. | Riverbank | Stanislaus | Alternative Source | Biomass Processing and Fuel Production | \$153,076,838.00 | \$12,797,224 | \$207,328.00 | \$2,480,000.00 | 2% | \$1,371,022 | \$17,565,901 | \$6,139,699 | 622 | 72 | Inactive |
| 338 | 18-SM038 | 2018 | 12/18/2018 | Drink, Inc. | Richmond | Contra Costa | Advanced Manufacturing | Beverage Bottling Manufacturing | \$3,636,029.00 | \$303,972 | \$90,125.90 | \$1,078,061.00 | 30% | N/A | \$1,897,358 | \$1,593,386 | 62 | 4 | Inactive |
| 339 | 19-SM001 | 2019 | 2/19/2019 | Biogas Energy, Inc. | Roseville | Placer | Alternative Source | Biomass Processing and Fuel Production | \$3,867,000.00 | \$323,281 | \$276,242.49 | \$3,301,019.00 | 85% | \$75,504 | \$359,170 | \$111,392 | 8 | 1 | Inactive |
| 340 | 19-SM025 | 2019 | 5/21/2019 | Fortis Solution Group West, LLC | Napa | Napa | Advanced Manufacturing | Advanced Packaging Label Production | \$7,045,460.00 | \$589,000 | \$359,016.14 | \$4,294,451.46 | 61% | N/A | \$1,071,413 | \$482,413 | 59 | 4 | Inactive |
| 341 | 19-SM026 | 2019 | 5/21/2019 | Taft Ammonia Company, LLC | Taft | Kern | Advanced Manufacturing | Fertilizer Production | \$239,234,449.00 | \$20,000,000 | \$0.00 | \$0.00 | 0% | N/A | \$41,686,059 | \$21,686,059 | 120 | 17 | Inactive |
| 342 | 19-SM002 | 2019 | 6/18/2019 | Verdeco Recycling, Inc. | South Gate | Los Angeles | Advanced Manufacturing | Recycled Food Packaging Manufacturing | \$13,118,950.00 | \$1,096,744 | \$395,927.34 | \$4,735,973.00 | 36% | N/A | \$4,906,568 | \$3,809,824 | 22 | 3 | Inactive |

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| | App. No. | Year Approved | Date Approved | Applicant Name | City | County | Project Type | Use of Proceeds | Qualified Property Amount Approved | Estimated STE ¹ | Estimated STE Used to Date ¹ | Qualified Property Amount Reported | % Reported | Estimated Environmental Benefit | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Est. Total Jobs ² | Est. Jobs from STE ² | Project Status |
|-----|----------|---------------|---------------|--|------------------|---------------|------------------------|--|------------------------------------|----------------------------|---|------------------------------------|------------|---------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|----------------|
| 343 | 19-SM032 | 2019 | 7/16/2019 | South Bayside Waste Management Authority | San Carlos | San Mateo | Alternative Source | Organics and Municipal Solid Waste | \$11,260,000.00 | \$941,336 | \$87,675.24 | \$1,048,746.89 | 9% | \$69,820 | \$1,932,190 | \$1,060,674 | 22 | 2 | Inactive |
| 344 | 20-SM004 | 2020 | 1/21/2020 | AltAir Paramount, LLC | Paramount | Los Angeles | Alternative Source | Renewable Diesel | \$119,617,224.00 | \$10,000,000 | \$0.00 | \$0.00 | 0% | \$5,644,576 | \$69,745,006 | \$65,389,582 | 532 | 28 | Inactive |
| 345 | 20-SM012 | 2020 | 3/17/2020 | Virgin Orbit, LLC | Long Beach | Los Angeles | Advanced Manufacturing | Aerospace Manufacturing | \$18,001,109.00 | \$1,504,893 | \$669,584.11 | \$7,907,746.45 | 44% | N/A | \$5,301,512 | \$3,796,619 | 707 | 16 | Inactive |
| 346 | 20-SM021 | 2020 | 3/17/2020 | Southpoint Biogas LLC | Madera | Madera | Alternative Source | Dairy Biogas Production | \$8,432,257.00 | \$704,937 | \$0.00 | \$0.00 | 0% | \$87,376 | \$1,196,391 | \$578,830 | 70 | 7 | Inactive |
| 347 | 21-SM005 | 2021 | 3/16/2021 | ENV-TWO, LLC | Hanford | Kings | Alternative Source | Dairy Biogas Production | \$7,983,153.00 | \$678,568 | \$12,178.15 | \$143,272.39 | 2% | \$143,388 | \$761,158 | \$225,978 | 47 | 5 | Inactive |
| 348 | 21-SM006 | 2021 | 3/16/2021 | ENV-FOUR, LLC | Hanford | Kings | Alternative Source | Dairy Biogas Production | \$8,216,553.00 | \$698,407 | \$2,702.60 | \$31,795.33 | 0% | \$163,244 | \$849,582 | \$314,419 | 47 | 5 | Inactive |
| 349 | 21-SM007 | 2021 | 3/16/2021 | ENV-THREE, LLC | Corcoran | Kings | Alternative Source | Dairy Biogas Production | \$8,784,628.00 | \$746,693 | \$12,750.00 | \$150,000.00 | 2% | \$169,593 | \$887,199 | \$310,098 | 47 | 6 | Inactive |
| 350 | 21-SM009 | 2021 | 3/16/2021 | MSBG Partners, LLC | Goleta | Santa Barbara | Alternative Source | Landfill Gas to Renewable Natural Gas | \$11,252,500.00 | \$956,463.00 | \$0.00 | \$0.00 | 0% | \$736,177 | \$2,189,741 | \$1,969,455 | 12 | 1 | Inactive |
| 351 | 21-SM014 | 2021 | 3/16/2021 | Green Impact Manufacturing, LLC | Vernon | Los Angeles | Advanced Manufacturing | Plastic Recycling and Thermoform Product Manufacturing | \$16,008,067.00 | \$1,360,686 | \$0.00 | \$0.00 | 0% | N/A | \$5,246,166 | \$3,885,481 | 32 | 2 | Inactive |
| 352 | 21-SM023 | 2021 | 3/16/2021 | HZI Lancaster, LLC | Lancaster | Los Angeles | Alternative Source | Biogas Capture and Production | \$27,231,400.00 | \$2,314,669.00 | \$0.00 | \$0.00 | 0% | \$1,678,109 | \$5,215,414 | \$4,578,854 | 63 | 6 | Inactive |
| 353 | 23-SM009 | 2023 | 7/18/2023 | Newlight Technologies, Inc. | Huntington Beach | Orange | Advanced Manufacturing | AirCarbon Manufacturing | \$17,949,389.00 | \$1,500,569 | \$0.00 | \$0.00 | 0% | \$0 | \$2,631,420 | \$1,130,851 | 244 | 16 | Inactive |
| 354 | 23-SM037 | 2023 | 7/18/2023 | Enovix Corporation | Fremont | Alameda | Advanced Manufacturing | Lithium-Ion Battery Manufacturing | \$30,382,973.00 | \$2,540,017 | \$0.00 | \$0.00 | 0% | \$0 | \$1,914,806 | -\$625,210 | 425 | 13 | Inactive |
| | 354 | | | | | | | Totals: | \$15,416,362,488.18 | \$1,301,022,983 | \$736,366,758.13 | \$8,737,715,700.22 | 57% | \$495,249,225 | \$2,598,436,430 | \$1,793,067,145 | 136,864 | 6,982 | |

¹ Under the Program the value of a specific project's sales and use tax exclusion is calculated using the statewide sales and use tax average. The statewide average was estimated at 9.1% through June 2011 and changed to 8.1% in July 2011, 8.37% in January 2013, 8.42% in March 2014, 8.36% in January 2018, 8.5% in October 2020, 8.36% in October 2022, 8.44% in December 2023, and 8.48% in January 2025.

² These benefits are estimates that are calculated under the Program's evaluation system at the time of Board approval. Applicants are required to provide annual reports to CAEATFA on actual project activity.

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

| Applications Previously Approved w/ No Signed Agreement | | | | | | | | | | | | | |
|---|-----------------------------|----------------|-----------------------------|-------------------------------|------------------------------------|-------------------------|--|---------------------------------------|---------------------------------------|------------------------------------|----------------------------------|---|----|
| Application No. | Date of Board Consideration | Applicant Name | City | County | Project Type | Use of Proceeds | QP Amount | STE Amount (Anticipated) ¹ | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Expected Total Jobs ² | Expected Total Jobs from STE ² | |
| 1 | 10-SM003 | 11/17/2010 | ABEC Bidart-Old River LLC | Bakersfield | Kern | Alternative Source | Biogas Capture and Production | \$4,738,000.00 | \$431,158 | \$438,844 | \$3,088,491 | 50 | 6 |
| 2 | 11-SM007 | 5/18/2011 | Amonix, Inc. | Seal Beach | Orange | Alternative Source | Solar Photovoltaic Manufacturing | \$2,278,900.00 | \$207,380 | \$557,789 | \$595,304 | 153 | 2 |
| 3 | 16-SM001 | 1/19/2016 | Atieva USA, Inc. | Menlo Park; Tracy; Sacramento | San Mateo; San Joaquin; Sacramento | Advanced Transportation | Electric Vehicle Manufacturing | \$530,750,000.00 | \$44,689,150 | \$137,469,584 | \$98,374,109 | 1,547 | 98 |
| 4 | 14-SM002 | 3/18/2014 | CleanWorld | San Bernardino | San Bernardino | Alternative Source | Biomass Processing and Fuel Production | \$6,698,715.00 | \$564,032 | \$858,211 | \$457,665 | 26 | 3 |
| 5 | 21-SM015 | 3/16/2021 | Fortress North America, LLC | Rocklin | Placer | Advanced Manufacturing | Fire Retardant Manufacturing | \$5,094,248.00 | \$433,011 | \$3,203,763 | \$2,770,752 | 35 | 2 |
| 6 | 10-SM018 | 12/15/2010 | Green Vehicles, Inc. | Salinas | Monterey | Advanced Transportation | Electric Vehicle Manufacturing | \$3,708,050.00 | \$337,433 | \$3,018,494 | \$2,746,669 | 126 | 14 |
| 7 | 14-SM024 | 3/17/2015 | Haas Automation, Inc. | Oxnard | Ventura | Advanced Manufacturing | CNC Machine Manufacturing | \$81,426,200.00 | \$6,856,086 | \$38,174,218 | \$31,318,132 | 1,235 | 51 |
| 8 | 10-SM019 | 12/15/2010 | Soliant Energy, Inc. | Monrovia | Los Angeles | Alternative Source | Solar Photovoltaic Manufacturing | \$9,966,500.00 | \$906,952 | \$1,709,894 | \$1,945,932 | 38 | 5 |
| 9 | 15-SM004 | 6/16/2015 | T2Energy, LLC | Vista | San Diego | Advanced Manufacturing | Omega Oil Production | \$4,737,500.00 | \$398,898 | \$1,881,353 | \$1,482,455 | 48 | 3 |
| 10 | 17-SM012 | 1/17/2017 | TAP Power LLC | Arcata | Humboldt | Alternative Source | Biomass Processing and Fuel Production | \$9,213,514.00 | \$775,778 | \$1,120,388 | \$685,251 | 33 | 4 |

¹ Under the Program the value of a specific project's sales and use tax exclusion is calculated using the statewide sales and use tax average. The statewide average was estimated at 9.1% through June 2011 and changed to 8.1% in July 2011, 8.37% in January 2013, 8.42% in March 2014, 8.36% in January 2018, 8.5% in October 2020, 8.36% in October 2022, 8.44% in December 2023, and 8.48% in January 2025.

² These benefits are estimates that are calculated under the Program's evaluation system at the time of Board approval. The applications in this section were approved but did not move forward, so performance metrics are not included with active or completed projects.

Appendix A: Sales and Use Tax Exclusion Applications Considered to Date

Applications Previously Considered and Denied

| Application No. | Date of Board Consideration | Applicant Name | City | County | Project Type | Use of Proceeds | QP Amount | STE Amount (Anticipated) ¹ | Estimated Fiscal Benefit ² | Estimated Net Benefit ² | Expected Total Jobs ² | Expected Total Job from STE | |
|-----------------|-----------------------------|----------------|---------------------------------|-----------------|--------------|------------------------------|---------------------|---------------------------------------|---------------------------------------|------------------------------------|----------------------------------|-----------------------------|---|
| 1 | 16-SM020 | 11/15/2016 | Zanker Road Resource Management | San Jose | Santa Clara | Recycled Resource Extraction | Mixed Recycling | \$1,512,796 | \$127,377 | \$227,254 | \$100,565 | 14 | 2 |
| 2 | 19-SM013 | 6/18/2019 | FirstElement Fuel Inc. | Beverly Hills | Los Angeles | Advanced Manufacturing | Fuel Grade Hydrogen | \$2,503,766 | \$209,315 | \$455,672 | \$246,357 | 23 | 2 |
| 3 | 19-SM014 | 6/18/2019 | FirstElement Fuel Inc. | Campbell | Santa Clara | Advanced Manufacturing | Fuel Grade Hydrogen | \$2,202,766 | \$184,151 | \$438,733 | \$254,582 | 23 | 2 |
| 4 | 19-SM015 | 6/18/2019 | FirstElement Fuel Inc. | Concord | Contra Costa | Advanced Manufacturing | Fuel Grade Hydrogen | \$2,594,766 | \$216,922 | \$460,711 | \$243,789 | 23 | 2 |
| 5 | 19-SM016 | 6/18/2019 | FirstElement Fuel Inc. | Culver City | Los Angeles | Advanced Manufacturing | Fuel Grade Hydrogen | \$2,594,766 | \$216,922 | \$460,977 | \$244,054 | 23 | 2 |
| 6 | 19-SM017 | 6/18/2019 | FirstElement Fuel Inc. | Fountain Valley | Orange | Advanced Manufacturing | Fuel Grade Hydrogen | \$2,594,766 | \$216,922 | \$459,241 | \$242,319 | 23 | 2 |
| 7 | 19-SM018 | 6/18/2019 | FirstElement Fuel Inc. | Mission Hills | Los Angeles | Advanced Manufacturing | Fuel Grade Hydrogen | \$2,503,766 | \$209,315 | \$455,672 | \$246,357 | 23 | 2 |
| 8 | 19-SM019 | 6/18/2019 | FirstElement Fuel Inc. | Redwood City | San Mateo | Advanced Manufacturing | Fuel Grade Hydrogen | \$2,503,766 | \$209,315 | \$454,860 | \$245,545 | 23 | 2 |
| 9 | 19-SM020 | 6/18/2019 | FirstElement Fuel Inc. | San Diego | San Diego | Advanced Manufacturing | Fuel Grade Hydrogen | \$2,594,766 | \$216,922 | \$460,516 | \$243,594 | 23 | 2 |
| 10 | 19-SM021 | 6/18/2019 | FirstElement Fuel Inc. | Sherman Oaks | Los Angeles | Advanced Manufacturing | Fuel Grade Hydrogen | \$1,966,766 | \$164,422 | \$424,502 | \$260,081 | 23 | 2 |
| 11 | 19-SM022 | 6/18/2019 | FirstElement Fuel Inc. | Studio City | Los Angeles | Advanced Manufacturing | Fuel Grade Hydrogen | \$2,267,766 | \$189,585 | \$441,945 | \$252,360 | 23 | 2 |
| 12 | 19-SM023 | 6/18/2019 | FirstElement Fuel Inc. | Sunnyvale | Santa Clara | Advanced Manufacturing | Fuel Grade Hydrogen | \$2,202,766 | \$184,151 | \$438,733 | \$254,582 | 23 | 2 |

¹ Under the Program the value of a specific project's sales and use tax exclusion is calculated using the statewide sales and use tax average. The statewide average was estimated at 9.1% through June 2011 and changed to 8.1% in July 2011, 8.37% in January 2013, 8.42% in March 2014, 8.36% in January 2018, 8.5% in October 2020, 8.36% in October 2022, 8.44% in December 2023, and 8.48% in January 2025.

² These benefits are estimates that are calculated under the Program's evaluation system at the time of Board approval. The applications in this section were denied and did not move forward.

APPENDIX B:

STE APPLICATIONS RECEIVED IN 2024



Appendix B: Sales and Use Tax Exclusion Applications Received in 2024

| | Applicant Name | Project Location | Eligibility Pathway | Qualified Property Amount Requested | Estimated STE Amount | Status |
|----|-------------------------------------|--|-------------------------|-------------------------------------|----------------------|--------------------|
| 1 | Joby Aero, Inc. | Monterey, San Mateo County | Advanced Transportation | \$22,704,008 | \$1,916,218 | Approved July 2024 |
| 2 | DeJager North Biogas LLC | Chowchilla, Madera County | Alternative Source | \$7,607,694 | \$642,089 | Approved July 2024 |
| 3 | CalBioGas North Visalia III LLC | Visalia, Tulare County | Alternative Source | \$4,785,508 | \$403,897 | Approved July 2024 |
| 4 | CalBioGas West Visalia III LLC | Tulare, Tulare County | Alternative Source | \$9,734,028 | \$821,552 | Approved July 2024 |
| 5 | CalBioGas Kern III LLC | Bakersfield, Kern County | Alternative Source | \$10,399,748 | \$877,739 | Approved July 2024 |
| 6 | CalBioGas Fresno LLC | Fresno, Fresno County | Alternative Source | \$21,358,784 | \$1,802,681 | Approved July 2024 |
| 7 | Bakersfield Renewable Fuels, LLC | Bakersfield, Kern County | Alternative Source | \$23,696,000 | \$1,999,942 | Approved July 2024 |
| 8 | Antora Energy, Inc. | San Jose, Santa Clara County | Alternative Source | \$2,721,775 | \$229,718 | Approved July 2024 |
| 9 | Southpoint Biogas III LLC | Madera, Madera County | Alternative Source | \$3,875,000 | \$327,050 | Approved July 2024 |
| 10 | Oberon Fuels, Inc. | Imperial, Imperial County | Alternative Source | \$5,728,000 | \$483,443 | Approved July 2024 |
| 11 | Dairy Ave and Circle H Biogas LLC | Corcoran, Kings County | Alternative Source | \$7,556,035 | \$637,729 | Approved July 2024 |
| 12 | CalBioGas Buttonwillow III LLC | Wasco, Kern County | Alternative Source | \$12,496,303 | \$1,054,688 | Approved July 2024 |
| 13 | H2B2 USA, LLC | Kerman, Fresno County | Alternative Source | \$33,350,000 | \$2,814,740 | Approved July 2024 |
| 14 | American Lithium Energy Corporation | Carlsbad, San Diego County | Advanced Manufacturing | \$5,750,934 | \$485,379 | Approved July 2024 |
| 15 | HD Ranch Biogas LLC | Dixon, Solano County | Alternative Source | \$5,135,087 | \$433,401 | Approved July 2024 |
| 16 | Biofuels Coyote Canyon BioGas, LLC | Newport Beach, Orange County | Alternative Source | \$26,329,688 | \$2,222,226 | Approved July 2024 |
| 17 | Lam Research Corporation | Fremont, Alameda County; Livermore, Alameda County | Advanced Manufacturing | \$23,600,000 | \$1,991,840 | Approved July 2024 |

Appendix B: Sales and Use Tax Exclusion Applications Received in 2024

| | Applicant Name | Project Location | Eligibility Pathway | Qualified Property Amount Requested | Estimated STE Amount | Status |
|----|---|---|------------------------------|-------------------------------------|----------------------|-------------------------|
| 18 | Infinera Corporation | Sunnyvale, Santa Clara County; San Jose, Santa Clara County | Advanced Manufacturing | \$23,600,000 | \$1,991,840 | Approved July 2024 |
| 19 | Antora Energy, Inc. | Sunnyvale, Santa Clara County | Advanced Manufacturing | \$9,400,500 | \$793,402 | Approved July 2024 |
| 20 | BHE Renewables, LLC and its Subsidiaries, Magma Power Company and Morton Bay Geothermal LLC | Calipatria, Imperial County | Alternative Source | \$239,219,488 | \$20,190,125 | Approved July 2024 |
| 21 | Sparkz Inc. | Sacramento, Sacramento County; Livermore, Alameda County | Advanced Transportation | \$285,650,000 | \$24,108,860 | Approved July 2024 |
| 22 | PSGM3, LLC | Mojave, Kern County | Recycled Resource Extraction | \$143,643,146 | \$12,123,482 | Approved July 2024 |
| 23 | rPlanet Earth Los Angeles, LLC | Vernon, Los Angeles County | Recycled Resource Extraction | \$42,550,000 | \$3,591,220 | Approved July 2024 |
| 24 | Toro Energy of California AA, LLC | Fresno, Fresno County | Alternative Source | \$48,500,000 | \$4,093,400 | Approved July 2024 |
| 25 | Archer Aviation, Inc. and Archer Air LLC | San Jose, Santa Clara County | Advanced Transportation | \$117,250,000 | \$9,895,900 | Approved July 2024 |
| 26 | Harbinger Motors Inc. | Garden Grove, Orange County | Advanced Transportation | \$64,153,481 | \$5,414,554 | Approved July 2024 |
| 27 | Element Lancaster 1 LLC | Lancaster, Los Angeles County | Alternative Source | \$1,065,992,348 | \$89,969,754 | Approved July 2024 |
| 28 | 5E Boron Americas LLC | Newberry Springs, San Bernardino County | Advanced Manufacturing | \$11,473,423 | \$968,357 | Approved September 2024 |

Appendix B: Sales and Use Tax Exclusion Applications Received in 2024

| | Applicant Name | Project Location | Eligibility Pathway | Qualified Property Amount Requested | Estimated STE Amount | Status |
|----|--|--|----------------------------|--|-----------------------------|---------------|
| 29 | Applied Medical Resources Corporation & Applied Manufacturing, LLC | Rancho Santa Margarita, Orange County | Advanced Manufacturing | \$101,789,033 | \$8,590,994 | Waitlisted |
| 30 | Applied Materials Inc. | Sunnyvale, Santa Clara County; Santa Clara, Santa Clara County | Advanced Manufacturing | \$117,500,000 | \$9,917,000 | Waitlisted |
| 31 | Space Exploration Technologies Corporation | Hawthorne, Los Angeles County | Advanced Manufacturing | \$118,441,256 | \$9,996,442 | Waitlisted |
| 32 | Moxion Power | Richmond, Contra Costa County | Advanced Transportation | \$87,397,426 | \$7,376,343 | Withdrawn |
| 33 | Heliogen Holdings Inc | Pasadena, Los Angeles County; Long Beach, Los Angeles County | Alternative Source | \$51,269,167.00 | \$4,327,118 | Withdrawn |
| 34 | Aranda Tooling LLC | Chino, San Bernardino County | Advanced Transportation | \$17,696,313 | \$1,493,569 | Incomplete |

APPENDIX C:

PACE LOSS RESERVE PROGRAM

ENROLLMENT ACTIVITY THROUGH 2024



Appendix C: PACE Loss Reserve Program Enrollment Activity through 2024

| Year | Program | New Financings January 1st – June 30th | Actual Total Outstanding Portfolio Through June 30th* | New Financings July 1st – December 31st | Estimated Total Enrolled Portfolio Through December 31st* | |
|--------|-------------------------|---|---|--|---|--------------------|
| 2014 | 1 mPOWER Placer | Not available - PACE Programs enrolled entire outstanding portfolios during initial application period in June 2014 | 464 | \$10,502,382.62 | 312 | \$9,540,534.04 |
| | 2 mPOWER Folsom | | 3 | \$54,181.18 | 4 | \$86,847.90 |
| | 3 Berkeley FIRST*** | | 13 | \$299,233.74 | - | \$0.00 |
| | 4 CaliforniaFIRST | | - | \$0.00 | 151 | \$3,435,462.04 |
| | 5 Sonoma County | | 1,550 | \$43,702,974.25 | 65 | \$1,524,472.34 |
| | 6 WRCOG HERO | | 9,911 | \$189,339,784.00 | 1,757 | \$34,971,957.65 |
| | 7 SANBAG HERO | | 4,286 | \$80,398,364.90 | 1,763 | \$32,056,560.16 |
| | 8 California HERO | | 1,174 | \$25,974,938.48 | 2,970 | \$67,054,570.85 |
| Total: | | 17,401 | \$350,271,859.17 | 7,022 | \$148,670,404.98 | |
| | | | | | 24,423 | \$498,942,264.15 |
| 2015 | 1 mPOWER Placer | 313 | \$9,007,272.29 | 878 | \$44,537,362.74 | |
| | 2 mPOWER Folsom | 12 | \$358,423.79 | 19 | \$858,358.59 | |
| | 3 Berkeley FIRST*** | - | \$0.00 | 12 | \$272,231.98 | |
| | 4 CaliforniaFIRST | 1,044 | \$23,904,858.49 | 1,195 | \$27,195,540.14 | |
| | 5 Sonoma County | 67 | \$1,659,819.77 | 1,475 | \$41,157,542.98 | |
| | 6 WRCOG HERO | 1,535 | \$33,837,187.89 | 12,795 | \$252,378,022.05 | |
| | 7 SANBAG HERO | 2,509 | \$49,728,567.21 | 7,608 | \$143,435,075.39 | |
| | 8 California HERO | 6,035 | \$138,783,046.73 | 10,326 | \$240,306,305.35 | |
| | 9 AllianceNRG | | | | 1 | |
| | 10 CaliforniaFIRST (LA) | | | | 282 | |
| | 11 LA HERO | | | | 5,050 | |
| | 12 Ygrene | | | | 2,282 | |
| Total: | | 11,515 | \$257,279,176.17 | 34,308 | \$750,140,439.22 | |
| | | | | 23,206 | \$553,932,377.27 | |
| | | | | | 57,514 | \$1,304,072,816.49 |
| 2016 | 1 mPOWER Placer | 311 | \$9,312,194.68 | 1,493 | \$44,558,408.98 | |
| | 2 mPOWER Folsom | 26 | \$713,934.71 | 54 | \$732,306.69 | |
| | 3 Berkeley FIRST*** | - | \$0.00 | 11 | \$246,745.00 | |
| | 4 CaliforniaFIRST | 3,531 | \$90,107,437.45 | 6,957 | \$169,216,761.62 | |
| | 5 Sonoma County | 51 | \$1,776,171.84 | 1,378 | \$38,507,299.21 | |
| | 6 WRCOG HERO | 2,222 | \$46,649,263.50 | 15,624 | \$320,840,795.46 | |
| | 7 SANBAG HERO | 2,289 | \$46,363,907.06 | 11,518 | \$227,139,077.08 | |
| | 8 California HERO | 8,533 | \$183,279,942.82 | 25,306 | \$574,336,722.18 | |
| | 9 AllianceNRG | 2 | \$95,960.41 | 3 | \$121,435.40 | |
| | 10 CaliforniaFIRST (LA) | 1,088 | \$32,228,028.12 | 1,451 | \$43,224,206.38 | |
| | 11 LA HERO | 6,529 | \$166,552,162.84 | 10,032 | \$252,287,718.07 | |
| | 12 Ygrene | 8,152 | \$189,939,247.42 | 10,068 | \$232,048,888.23 | |
| | 13 PACEFunding | 9 | \$251,239.75 | 9 | \$251,239.75 | |
| | 14 CMFA PACE | | | | 47 | |
| Total: | | 32,743 | \$767,269,490.60 | 83,904 | \$1,903,511,604.05 | |
| | | | | 34,029 | \$823,970,701.93 | |
| | | | | | 117,933 | \$2,727,482,305.98 |
| 2017 | 1 mPOWER Placer | 184 | \$5,631,524.68 | 1,683 | \$51,611,437.71 | |
| | 2 mPOWER Folsom | 9 | \$229,668.63 | 71 | \$1,811,317.38 | |
| | 3 Berkeley FIRST*** | - | \$0.00 | 11 | \$246,745.00 | |
| | 4 CaliforniaFIRST | 3,273 | \$91,144,466.34 | 12,216 | \$323,675,795.73 | |
| | 5 Sonoma County | 39 | \$934,951.16 | 1,206 | \$28,137,490.97 | |
| | 6 WRCOG HERO | 1,686 | \$36,735,663.92 | 15,449 | \$301,692,765.95 | |
| | 7 SANBAG HERO | 1,738 | \$35,304,161.93 | 12,738 | \$243,396,646.88 | |
| | 8 California HERO | 8,276 | \$177,688,563.47 | 33,652 | \$729,747,735.40 | |
| | 9 AllianceNRG | 69 | \$2,260,800.21 | 72 | \$2,478,196.22 | |
| | 10 CaliforniaFIRST (LA) | 1,574 | \$54,207,538.45 | 4,485 | \$148,223,916.66 | |
| | 11 LA HERO | 3,767 | \$102,176,910.54 | 18,045 | \$466,401,044.72 | |
| | 12 Ygrene | 4,745 | \$114,651,498.88 | 19,490 | \$460,975,116.00 | |
| | 13 PACEFunding | 196 | \$5,916,311.47 | 326 | \$10,203,704.74 | |
| | 14 CMFA PACE | 294 | \$9,754,686.31 | 341 | \$12,287,902.02 | |
| | 15 CSCDA HERO | | | | 1,025 | |
| | 16 Figtree PACE | | | | 100 | |
| | 17 Spruce PACE | | | | 12 | |
| | 18 mPower Pioneer | | | | 41 | |
| Total: | | 25,850 | \$636,636,745.99 | 119,785 | \$2,780,889,815.38 | |
| | | | | 25,762 | \$677,838,646.11 | |
| | | | | | 145,547 | |
| | | | | | \$3,458,728,461.49 | |

Appendix C: PACE Loss Reserve Program Enrollment Activity through 2024

| Year | Program | New Financings January 1st – June 30th | | Actual Total Outstanding Portfolio Through June 30th* | | New Financings July 1st – December 31st | | Estimated Total Enrolled Portfolio Through December 31st* | |
|--------|----------------------------|---|------------------|---|--------------------|--|------------------|---|--------------------|
| 2018 | 1 mPOWER Placer | 40 | \$1,083,211.83 | 1,595 | \$49,266,208.03 | 9 | \$321,581.40 | 1,604 | \$49,587,789.43 |
| | 2 mPOWER Folsom*** | 1 | \$31,293.53 | 61 | \$1,676,458.06 | - | \$0.00 | 61 | \$1,676,458.06 |
| | 3 Berkeley FIRST*** | - | \$0.00 | 10 | \$211,323.67 | - | \$0.00 | 10 | \$211,323.67 |
| | 4 CaliforniaFIRST | 2,116 | \$60,101,409.02 | 16,136 | \$420,767,571.18 | 926 | \$26,514,095.46 | 17,062 | \$447,281,666.64 |
| | 5 Sonoma County | 41 | \$1,300,393.73 | 1,122 | \$24,955,602.09 | 18 | \$692,772.85 | 1,140 | \$25,648,374.94 |
| | 6 WRCOG HERO | 805 | \$18,555,186.85 | 15,560 | \$280,708,255.21 | 396 | \$8,890,520.62 | 15,956 | \$289,598,775.83 |
| | 7 SANBAG HERO*** | - | \$0.00 | 11,979 | \$206,015,544.21 | - | \$0.00 | 11,979 | \$206,015,544.21 |
| | 8 California HERO | 3,864 | \$92,564,733.92 | 43,310 | \$879,391,643.35 | 2,024 | \$49,881,912.09 | 45,334 | \$929,273,555.44 |
| | 9 AllianceNRG | 421 | \$15,486,341.48 | 518 | \$18,856,515.69 | 108 | \$4,646,042.91 | 626 | \$23,502,558.60 |
| | 10 CaliforniaFIRST (LA) | 590 | \$18,963,009.03 | 5,481 | \$172,957,644.74 | 291 | \$10,608,663.64 | 5,772 | \$183,566,308.38 |
| | 11 LA HERO | 1,830 | \$52,716,557.99 | 17,782 | \$480,617,639.31 | 950 | \$30,589,549.29 | 18,732 | \$511,207,188.60 |
| | 12 Ygrene | 2,397 | \$65,173,725.85 | 26,639 | \$617,259,147.60 | 1,421 | \$39,481,516.78 | 28,060 | \$656,740,664.38 |
| | 13 PACEFunding | 1,099 | \$32,049,028.41 | 1,742 | \$51,494,724.00 | 2,115 | \$67,166,446.18 | 3,857 | \$118,661,170.18 |
| | 14 CMFA PACE | 1,300 | \$47,758,004.91 | 2,427 | \$84,634,182.87 | 1,051 | \$40,868,690.16 | 3,478 | \$125,502,873.03 |
| | 15 CSCDA HERO | 767 | \$16,826,874.43 | 1,615 | \$34,771,715.23 | 419 | \$9,168,040.39 | 2,034 | \$43,939,755.62 |
| | 16 Figtree PACE | 58 | \$1,752,611.39 | 153 | \$4,293,597.48 | 2 | \$9,187.96 | 155 | \$4,385,476.84 |
| | 17 Spruce PACE** | 35 | \$1,242,742.32 | 43 | \$1,509,546.87 | - | \$0.00 | 43 | \$1,509,546.87 |
| | 18 mPower Pioneer | 111 | \$3,781,109.31 | 169 | \$5,668,622.32 | 123 | \$3,722,437.19 | 292 | \$9,391,059.51 |
| | 19 PACEFunding (WRCOG) | | | | | 129 | \$3,487,088.18 | 129 | \$3,487,088.18 |
| Total: | | 15,475 | \$429,386,234.00 | 146,342 | \$3,335,055,941.91 | 9,982 | \$296,131,236.50 | 156,324 | \$3,631,187,178.41 |
| 2019 | 1 mPOWER Placer*** | 1 | \$23,654.63 | 1,420 | \$37,143,251.11 | 0 | \$0.00 | 1,420 | \$37,143,251.11 |
| | 2 mPOWER Folsom*** | - | \$0.00 | 58 | \$1,355,669.17 | 0 | \$0.00 | 58 | \$1,355,669.17 |
| | 3 Berkeley FIRST*** | - | \$0.00 | 9 | \$170,880.00 | 0 | \$0.00 | 9 | \$170,880.00 |
| | 4 CaliforniaFIRST | 862 | \$24,814,188.38 | 16,251 | \$423,833,010.59 | 806 | \$26,028,086.87 | 17,057 | \$449,861,097.46 |
| | 5 Sonoma County | 41 | \$1,433,386.00 | 1,057 | \$23,068,135.84 | 21 | \$779,629.26 | 1,078 | \$23,847,765.10 |
| | 6 WRCOG HERO | 201 | \$4,656,407.84 | 14,882 | \$281,364,978.00 | 184 | \$4,215,451.22 | 15,066 | \$285,580,429.22 |
| | 7 SANBAG HERO*** | - | \$0.00 | 10,398 | \$182,467,696.00 | 0 | \$0.00 | 10,398 | \$182,467,696.00 |
| | 8 California HERO | 1,288 | \$31,518,479.19 | 40,723 | \$846,003,725.00 | 785 | \$19,507,489.24 | 41,508 | \$865,511,214.24 |
| | 9 AllianceNRG** | 15 | \$494,626.75 | 637 | \$22,532,855.85 | 0 | \$0.00 | 637 | \$22,532,855.85 |
| | 10 CaliforniaFIRST (LA)*** | 66 | \$2,694,035.40 | 5,222 | \$166,818,891.58 | 0 | \$0.00 | 5,222 | \$166,818,891.58 |
| | 11 LA HERO | 689 | \$25,621,044.84 | 18,269 | \$459,895,948.15 | 468 | \$16,645,859.27 | 18,737 | \$476,541,807.42 |
| | 12 Ygrene | 1,134 | \$32,447,448.55 | 25,502 | \$577,375,251.16 | 863 | \$25,457,114.93 | 26,365 | \$602,832,366.09 |
| | 13 PACEFunding | 1,344 | \$39,580,185.56 | 5,120 | \$155,411,775.03 | 1,111 | \$33,188,007.53 | 6,231 | \$188,599,782.56 |
| | 14 CMFA PACE | 659 | \$23,735,544.01 | 3,887 | \$134,751,580.96 | 314 | \$10,959,785.45 | 4,201 | \$145,711,366.41 |
| | 15 CSCDA HERO | 226 | \$5,696,061.58 | 2,067 | \$45,147,559.00 | 195 | \$5,838,274.64 | 2,262 | \$50,985,833.64 |
| | 16 Figtree PACE** | - | \$0.00 | 142 | \$4,122,968.90 | 0 | \$0.00 | 142 | \$4,122,968.90 |
| | 17 Spruce PACE** | - | \$0.00 | 34 | \$1,214,206.42 | 0 | \$0.00 | 34 | \$1,214,206.42 |
| | 18 CaliforniaFIRST (WRCOG) | 45 | \$1,214,260.83 | 45 | \$1,214,260.83 | 21 | \$682,836.70 | 66 | \$1,897,097.53 |
| | 19 mPower Pioneer | 61 | \$1,900,405.28 | 340 | \$9,912,574.42 | 48 | \$1,615,485.11 | 388 | \$11,528,059.53 |
| | 20 PACEFunding (WRCOG) | 78 | \$2,073,104.69 | 196 | \$5,348,938.87 | 151 | \$3,766,281.52 | 347 | \$9,115,220.39 |
| | 21 PACEFunding (LA) | 257 | \$8,475,408.10 | 257 | \$8,475,408.10 | 574 | \$20,306,276.53 | 831 | \$28,781,684.63 |
| Total: | | 6,967 | \$206,378,241.63 | 146,516 | \$3,387,629,564.98 | 5,541 | \$168,990,578.27 | 152,057 | \$3,556,620,143.25 |
| 2020 | 1 mPOWER Placer*** | - | \$0.00 | 1,034 | \$25,592,569.28 | - | \$0.00 | 1,034 | \$25,592,569.28 |
| | 2 mPOWER Folsom*** | - | \$0.00 | 49 | \$1,074,508.55 | - | \$0.00 | 49 | \$1,074,508.55 |
| | 3 Berkeley FIRST*** | - | \$0.00 | 9 | \$159,909.61 | - | \$0.00 | 9 | \$159,909.61 |
| | 4 CaliforniaFIRST | 472 | \$15,194,046.20 | 14,717 | \$377,405,197.83 | 267 | \$8,387,093.97 | 14,984 | \$385,792,291.80 |
| | 5 Sonoma County | 38 | \$1,100,397.87 | 931 | \$20,144,362.97 | 27 | \$847,368.52 | 958 | \$20,991,731.49 |
| | 6 WRCOG HERO | 82 | \$1,792,974.93 | 12,235 | \$221,786,879.18 | 129 | \$2,711,778.97 | 12,364 | \$224,498,658.15 |
| | 7 SANBAG HERO*** | - | \$0.00 | 8,591 | \$143,740,842.80 | - | \$0.00 | 8,591 | \$143,740,842.80 |
| | 8 California HERO | 497 | \$12,623,001.18 | 34,594 | \$678,621,087.46 | 547 | \$13,319,207.96 | 35,141 | \$691,940,295.42 |
| | 9 AllianceNRG** | - | \$0.00 | 637 | \$22,532,855.85 | - | \$0.00 | 637 | \$22,532,855.85 |
| | 10 CaliforniaFIRST (LA)*** | - | \$0.00 | 4,370 | \$134,614,433.55 | - | \$0.00 | 4,370 | \$134,614,433.55 |
| | 11 LA HERO** | 178 | \$6,319,122.01 | 15,497 | \$378,241,452.46 | - | \$0.00 | 15,497 | \$378,241,452.46 |
| | 12 Ygrene | 804 | \$21,872,098.34 | 22,984 | \$509,214,011.75 | 994 | \$30,527,654.48 | 23,978 | \$539,741,666.23 |
| | 13 PACEFunding | 1,409 | \$43,169,550.99 | 6,819 | \$207,940,047.06 | 2,137 | \$79,433,537.13 | 8,956 | \$287,373,584.19 |
| | 14 CMFA PACE** | - | \$0.00 | 3,920 | \$134,621,946.07 | - | \$0.00 | 3,920 | \$134,621,946.07 |
| | 15 CSCDA HERO** | 112 | \$3,510,252.72 | 2,006 | \$45,146,277.41 | - | \$0.00 | 2,006 | \$45,146,277.41 |
| | 16 Figtree PACE** | - | \$0.00 | 130 | \$3,740,860.56 | - | \$0.00 | 130 | \$3,740,860.56 |
| | 17 Spruce PACE** | - | \$0.00 | 34 | \$1,214,206.42 | - | \$0.00 | 34 | \$1,214,206.42 |
| | 18 CaliforniaFIRST (WRCOG) | 25 | \$762,841.92 | 79 | \$2,318,222.65 | 8 | \$301,622.69 | 87 | \$2,619,845.34 |
| | 19 mPower Pioneer | 31 | \$1,126,492.07 | 324 | \$9,674,665.89 | 20 | \$643,675.30 | 344 | \$10,318,341.19 |
| | 20 PACEFunding (WRCOG) | 49 | \$1,476,800.62 | 378 | \$10,191,243.35 | 102 | \$2,920,580.68 | 480 | \$13,111,824.03 |
| | 21 PACEFunding (LA) | 449 | \$18,555,466.95 | 1,210 | \$44,752,438.28 | 24 | \$1,161,695.62 | 1,234 | \$45,914,133.90 |
| | 22 FortiFi Financial CSCDA | 647 | \$24,000,854.73 | 647 | \$24,000,854.73 | 744 | \$27,875,025.68 | 1,391 | \$51,875,880.41 |
| Total: | | 4,793 | \$151,503,900.53 | 131,195 | \$2,996,728,873.71 | 4,999 | \$168,129,241.00 | 136,194 | \$3,164,858,114.71 |

Appendix C: PACE Loss Reserve Program Enrollment Activity through 2024

| Year | Program | New Financings January 1st – June 30th | Actual Total Outstanding Portfolio Through June 30th* | New Financings July 1st – December 31st | Estimated Total Enrolled Portfolio Through December 31st* |
|--------|----------------------------------|---|---|--|---|
| 2021 | 1 mPOWER Placer*** | - \$0.00 | 679 \$16,011,815.42 | - \$0.00 | 679 \$16,011,815.42 |
| | 2 mPOWER Folsom*** | - \$0.00 | 40 \$869,125.72 | - \$0.00 | 40 \$869,125.72 |
| | 3 Berkeley FIRST*** | - \$0.00 | 9 \$148,198.40 | - \$0.00 | 9 \$148,198.40 |
| | 4 CaliforniaFIRST | 215 \$7,664,371.05 | 12,111 \$301,838,913.54 | 176 \$6,267,939.27 | 12,287 \$308,106,852.81 |
| | 5 Sonoma County | 47 \$1,359,139.26 | 786 \$17,592,390.75 | 36 \$1,070,622.24 | 822 \$18,663,012.99 |
| | 6 WRCOG HERO*** | - \$0.00 | 9,358 \$161,383,312.84 | - \$0.00 | 9,358 \$161,383,312.84 |
| | 7 SANBAG HERO*** | - \$0.00 | 6,602 \$106,760,000.04 | - \$0.00 | 6,602 \$106,760,000.04 |
| | 8 California HERO | 37 \$1,320,660.82 | 26,735 \$504,438,444.19 | - \$0.00 | 26,735 \$504,438,444.19 |
| | 9 AllianceNRG** | - \$0.00 | 637 \$22,532,855.85 | - \$0.00 | 637 \$22,532,855.85 |
| | 10 CaliforniaFIRST (LA)*** | - \$0.00 | 3,577 \$107,610,386.92 | - \$0.00 | 3,577 \$107,610,386.92 |
| | 11 LA HERO** | - \$0.00 | 15,497 \$378,241,452.46 | - \$0.00 | 15,497 \$378,241,452.46 |
| | 12 Ygrene | 1,278 \$42,799,781.68 | 21,376 \$466,504,326.39 | 910 \$27,212,919.50 | 22,286 \$493,717,245.89 |
| | 13 Home Run Financing **** | 1,348 \$52,594,124.13 | 8,881 \$296,315,671.94 | 1,116 \$46,194,572.11 | 9,997 \$342,510,244.05 |
| | 14 CMFA PACE** | - \$0.00 | 3,920 \$134,621,946.07 | - \$0.00 | 3,920 \$134,621,946.07 |
| | 15 CSCDA HERO** | - \$0.00 | 2,006 \$45,146,277.41 | - \$0.00 | 2,006 \$45,146,277.41 |
| | 16 Figitree PACE** | - \$0.00 | 130 \$3,740,860.56 | - \$0.00 | 130 \$3,740,860.56 |
| | 17 Spruce PACE** | - \$0.00 | 34 \$1,214,206.42 | - \$0.00 | 34 \$1,214,206.42 |
| | 18 CaliforniaFIRST (WRCOG) | 7 \$189,348.86 | 74 \$2,128,329.39 | 2 \$110,361.99 | 76 \$2,238,691.38 |
| | 19 mPower Pioneer | 16 \$838,145.31 | 236 \$7,199,930.98 | 14 \$459,133.10 | 250 \$7,659,064.08 |
| | 20 Home Run Financing (WRCOG) | 37 \$1,207,058.49 | 474 \$12,932,432.12 | 2 \$68,594.25 | 476 \$13,001,026.37 |
| | 21 Home Run Financing (LA)** | 1 \$104,602.23 | 949 \$36,779,252.70 | - \$0.00 | 949 \$36,779,252.70 |
| | 22 FortiFi Financial CSCDA | 357 \$11,817,243.96 | 1,604 \$58,032,630.07 | 187 \$6,777,032.42 | 1,791 \$64,809,662.49 |
| Total: | | 3,343 \$119,894,475.79 | 115,715 \$2,682,042,760.18 | 2,443 \$88,161,174.88 | 118,158 \$2,770,203,935.06 |
| 2022 | 1 mPOWER Placer*** | - \$0.00 | 515 \$11,449,087.61 | - \$0.00 | 515 \$11,449,087.61 |
| | 2 mPOWER Folsom*** | - \$0.00 | 29 \$509,430.25 | - \$0.00 | 29 \$509,430.25 |
| | 3 Berkeley FIRST*** | - \$0.00 | 8 \$123,011.80 | - \$0.00 | 8 \$123,011.80 |
| | 4 CaliforniaFIRST | 213 \$7,979,677.47 | 9,740 \$237,276,524.78 | 400 \$16,705,471.76 | 10,140 \$253,981,996.54 |
| | 5 Sonoma County | 45 \$2,039,394.69 | 717 \$16,562,104.82 | 40 \$1,300,837.29 | 757 \$17,862,942.11 |
| | 6 WRCOG HERO*** | - \$0.00 | 6,972 \$113,612,021.50 | - \$0.00 | 6,972 \$113,612,021.50 |
| | 7 SANBAG HERO*** | - \$0.00 | 4,894 \$76,237,837.03 | - \$0.00 | 4,894 \$76,237,837.03 |
| | 8 California HERO*** | - \$0.00 | 19,603 \$353,355,766.36 | - \$0.00 | 19,603 \$353,355,766.36 |
| | 9 AllianceNRG** | - \$0.00 | 637 \$22,532,855.85 | - \$0.00 | 637 \$22,532,855.85 |
| | 10 CaliforniaFIRST (LA)*** | - \$0.00 | 2,872 \$82,096,482.73 | - \$0.00 | 2,872 \$82,096,482.73 |
| | 11 LA HERO** | - \$0.00 | 15,497 \$378,241,452.46 | - \$0.00 | 15,497 \$378,241,452.46 |
| | 12 Ygrene | 753 \$23,955,462.90 | 19,308 \$398,660,418.00 | 303 \$11,480,161.64 | 19,611 \$410,140,579.64 |
| | 13 Home Run Financing **** | 752 \$31,640,459.16 | 8,547 \$299,953,320.03 | 987 \$44,438,958.56 | 9,534 \$344,392,278.59 |
| | 14 CMFA PACE** | - \$0.00 | 3,920 \$134,621,946.07 | - \$0.00 | 3,920 \$134,621,946.07 |
| | 15 CSCDA HERO** | - \$0.00 | 2,006 \$45,146,277.41 | - \$0.00 | 2,006 \$45,146,277.41 |
| | 16 Figitree PACE** | - \$0.00 | 130 \$3,740,860.56 | - \$0.00 | 130 \$3,740,860.56 |
| | 17 Spruce PACE** | - \$0.00 | 34 \$1,214,206.42 | - \$0.00 | 34 \$1,214,206.42 |
| | 18 CaliforniaFIRST (WRCOG)*** | - \$0.00 | 53 \$1,479,635.73 | - \$0.00 | 53 \$1,479,635.73 |
| | 19 mPower Pioneer *** | 12 \$538,813.76 | 178 \$5,344,788.77 | - \$0.00 | 178 \$5,344,788.77 |
| | 20 Home Run Financing (WRCOG)*** | - \$0.00 | 443 \$11,414,892.89 | - \$0.00 | 443 \$11,414,892.89 |
| | 21 Home Run Financing (LA)** | - \$0.00 | 949 \$36,779,252.70 | - \$0.00 | 949 \$36,779,252.70 |
| | 22 FortiFi Financial CSCDA | 194 \$8,177,102.42 | 1,502 \$54,187,351.99 | 173 \$7,301,054.18 | 1,675 \$61,488,406.17 |
| Total: | | 1,969 \$74,330,910.40 | 98,554 \$2,284,539,525.76 | 1,903 \$81,226,483.43 | 100,457 \$2,365,766,009.19 |

Appendix C: PACE Loss Reserve Program Enrollment Activity through 2024

| Year | Program | New Financings January 1st – June 30th | | Actual Total Outstanding Portfolio Through June 30th* | | New Financings July 1st – December 31st | | Estimated Total Enrolled Portfolio Through December 31st* | |
|--------|----------------------------------|---|-----------------|---|--------------------|--|-----------------|---|--------------------|
| 2023 | 1 mPOWER Placer*** | - | \$0.00 | 456 | \$9,475,745.65 | - | \$0.00 | 456 | \$9,475,745.65 |
| | 2 mPOWER Folsom*** | - | \$0.00 | 29 | \$480,808.84 | - | \$0.00 | 29 | \$480,808.84 |
| | 3 Berkeley FIRST*** | - | \$0.00 | 7 | \$95,099.53 | - | \$0.00 | 7 | \$95,099.53 |
| | 4 CaliforniaFIRST | 392 | \$18,163,826.64 | 9,474 | \$238,621,542.76 | 250 | \$11,614,485.66 | 9,724 | \$250,236,028.42 |
| | 5 Sonoma County | 67 | \$2,823,594.18 | 794 | \$19,045,161.25 | 48 | \$1,804,774.66 | 842 | \$20,849,935.91 |
| | 6 WRCOG HERO*** | - | \$0.00 | 5,959 | \$92,074,536.89 | - | \$0.00 | 5,959 | \$92,074,536.89 |
| | 7 SANBAG HERO*** | - | \$0.00 | 4,166 | \$62,192,951.73 | - | \$0.00 | 4,166 | \$62,192,951.73 |
| | 8 California HERO*** | - | \$0.00 | 16,683 | \$292,715,828.73 | - | \$0.00 | 16,683 | \$292,715,828.73 |
| | 9 AllianceNRG** | - | \$0.00 | 637 | \$22,532,855.85 | - | \$0.00 | 637 | \$22,532,855.85 |
| | 10 CaliforniaFIRST (LA)*** | - | \$0.00 | 2,574 | \$71,679,686.56 | - | \$0.00 | 2,574 | \$71,679,686.56 |
| | 11 LA HERO** | - | \$0.00 | 15,497 | \$378,241,452.46 | - | \$0.00 | 15,497 | \$378,241,452.46 |
| | 12 Ygrene | 6 | \$115,446.30 | 16,241 | \$353,986,506.00 | 2 | \$30,759.33 | 16,243 | \$354,017,265.33 |
| | 13 Home Run Financing **** | 885 | \$39,340,020.64 | 9,414 | \$348,032,553.31 | 777 | \$34,245,696.21 | 10,191 | \$382,278,249.52 |
| | 14 CMFA PACE** | - | \$0.00 | 3,920 | \$134,621,946.07 | - | \$0.00 | 3,920 | \$134,621,946.07 |
| | 15 CSCDA HERO** | - | \$0.00 | 2,006 | \$45,146,277.41 | - | \$0.00 | 2,006 | \$45,146,277.41 |
| | 16 Figtree PACE** | - | \$0.00 | 130 | \$3,740,860.56 | - | \$0.00 | 130 | \$3,740,860.56 |
| | 17 Spruce PACE** | - | \$0.00 | 34 | \$1,214,206.42 | - | \$0.00 | 34 | \$1,214,206.42 |
| | 18 CaliforniaFIRST (WRCOG)*** | - | \$0.00 | 48 | \$1,318,632.27 | - | \$0.00 | 48 | \$1,318,632.27 |
| | 19 mPower Pioneer*** | - | \$0.00 | 162 | \$4,680,678.94 | - | \$0.00 | 162 | \$4,680,678.94 |
| | 20 Home Run Financing (WRCOG)*** | - | \$0.00 | 366 | \$9,029,234.32 | - | \$0.00 | 366 | \$9,029,234.32 |
| | 21 Home Run Financing (LA)*** | - | \$0.00 | 949 | \$36,779,252.70 | - | \$0.00 | 949 | \$36,779,252.70 |
| | 22 FortiFi Financial CSCDA | 181 | \$8,336,084.26 | 1,748 | \$65,263,981.36 | 253 | \$9,847,838.41 | 2,001 | \$75,111,819.77 |
| Total: | | 1,531 | \$68,778,972.02 | 91,294 | \$2,190,969,799.61 | 1,330 | \$57,543,554.27 | 92,624 | \$2,248,513,353.88 |
| 2024 | 1 mPOWER Placer*** | - | \$0.00 | 431 | \$8,470,941.98 | - | \$0.00 | 431 | \$8,470,941.98 |
| | 2 mPOWER Folsom*** | - | \$0.00 | 26 | \$424,523.16 | - | \$0.00 | 26 | \$424,523.16 |
| | 3 Berkeley FIRST*** | - | \$0.00 | 7 | \$86,862.12 | - | \$0.00 | 7 | \$86,862.12 |
| | 4 CaliforniaFIRST | 236 | \$10,518,623.32 | 9,228 | \$237,387,339.21 | 268 | \$11,696,488.05 | 9,496 | \$249,083,827.26 |
| | 5 Sonoma County | 56 | \$2,254,305.99 | 854 | \$18,265,114.95 | 49 | \$2,184,463.52 | 903 | \$20,449,578.47 |
| | 6 WRCOG HERO*** | - | \$0.00 | 5,292 | \$77,138,034.10 | - | \$0.00 | 5,292 | \$77,138,034.10 |
| | 7 SANBAG HERO*** | - | \$0.00 | 3,821 | \$52,833,675.33 | - | \$0.00 | 3,821 | \$52,833,675.33 |
| | 8 California HERO*** | - | \$0.00 | 15,204 | \$252,574,563.79 | - | \$0.00 | 15,204 | \$252,574,563.79 |
| | 9 AllianceNRG** | - | \$0.00 | 637 | \$22,532,855.85 | - | \$0.00 | 637 | \$22,532,855.85 |
| | 10 CaliforniaFIRST (LA)*** | - | \$0.00 | 2,359 | \$63,685,225.02 | - | \$0.00 | 2,359 | \$63,685,225.02 |
| | 11 LA HERO*** | - | \$0.00 | 6,542 | \$130,871,218.07 | - | \$0.00 | 6,542 | \$130,871,218.07 |
| | 12 Ygrene | 1 | \$30,000.00 | 15,011 | \$317,901,021.00 | - | \$0.00 | 15,011 | \$317,901,021.00 |
| | 13 Home Run Financing | 633 | \$25,868,756.36 | 10,017 | \$356,523,299.65 | 752 | \$31,174,709.15 | 10,769 | \$387,698,008.80 |
| | 14 CMFA PACE*** | - | \$0.00 | 1,998 | \$54,936,833.61 | - | \$0.00 | 1,998 | \$54,936,833.61 |
| | 15 CSCDA HERO*** | - | \$0.00 | 998 | \$19,458,119.57 | - | \$0.00 | 998 | \$19,458,119.57 |
| | 16 Figtree PACE** | - | \$0.00 | 130 | \$3,740,860.56 | - | \$0.00 | 130 | \$3,740,860.56 |
| | 17 Spruce PACE** | - | \$0.00 | 34 | \$1,214,206.42 | - | \$0.00 | 34 | \$1,214,206.42 |
| | 18 CaliforniaFIRST (WRCOG)*** | - | \$0.00 | 47 | \$1,276,109.15 | - | \$0.00 | 47 | \$1,276,109.15 |
| | 19 mPower Pioneer*** | - | \$0.00 | 152 | \$4,174,781.16 | - | \$0.00 | 152 | \$4,174,781.16 |
| | 20 Home Run Financing (WRCOG)*** | - | \$0.00 | 323 | \$7,525,246.94 | - | \$0.00 | 323 | \$7,525,246.94 |
| | 21 Home Run Financing (LA)*** | - | \$0.00 | 640 | \$23,254,041.63 | - | \$0.00 | 640 | \$23,254,041.63 |
| | 22 FortiFi Financial CSCDA | 145 | \$5,389,585.25 | 2,070 | \$74,612,180.48 | 101 | \$4,345,978.92 | 2,171 | \$78,958,159.40 |
| Total: | | 1,071 | \$44,061,270.92 | 75,821 | \$1,728,887,053.75 | 1,170 | \$49,401,639.64 | 76,991 | \$1,778,288,693.39 |

* The total enrolled portfolio through December 31st is an estimate because the numbers do not take into account any payments made since July 1st. PACE Programs report the actual outstanding portfolio value through June 30th each year.

** PACE Program is no longer actively enrolling PACE Financings and no longer reports their current outstanding portfolio.

*** PACE Program is no longer actively enrolling PACE Financings but has been or recently started reporting their outstanding portfolio.