



# Silicon Valley Power – Electrification Program

## 2024-2025 Custom Measure Rebate Application

### Heat Recovery Chiller and Heat Pump Pool Heater



<p><b>Contact Information</b></p> <p>Contact Name _____ Phone _____</p> <p>Company _____</p> <p>Email address _____</p> <p><b>Customer/Facility Information</b></p> <p>Company Name _____</p> <p>Address _____</p> <p>City, State <u>SANTA CLARA, CA</u> Zip Code _____</p> <p>Tax ID# _____</p> <p>Name on account _____</p> <p><b>Address to Which Rebate Check Should be Mailed</b></p> <p>Attach payment authorization on letterhead if check is to be made payable to a third party</p> <p><i>Make Check Payable to:</i></p> <p>Company Name _____</p> <p>Mailing Address _____</p> <p>City, State, Zip _____</p> <p>Attention _____ Phone _____</p>	<p><b>Tax Status</b> (check one)</p> <p><input type="checkbox"/> Sole Proprietor</p> <p><input type="checkbox"/> Corporation    <input type="checkbox"/> Partnership</p> <p><input type="checkbox"/> Government    <input type="checkbox"/> Not-For-Profit</p> <p><b>Building Type:</b> (check one)</p> <p><input type="checkbox"/> Office            <input type="checkbox"/> Grocery</p> <p><input type="checkbox"/> School            <input type="checkbox"/> Warehouse</p> <p><input type="checkbox"/> Retail             <input type="checkbox"/> Public Assembly</p> <p><input type="checkbox"/> Religious        <input type="checkbox"/> Manufacturing</p> <p><input type="checkbox"/> Lodging          <input type="checkbox"/> Restaurant</p> <p><input type="checkbox"/> Medical          <input type="checkbox"/> Other</p> <hr/> <p>Square Footage _____ Year Constructed _____</p> <hr/> <p>SVP Account Number _____</p> <table style="width: 100%; background-color: #d4edda;"> <thead> <tr> <th style="text-align: left;">Rebate Type</th> <th style="text-align: left;">Rebate Number</th> </tr> </thead> <tbody> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> </tbody> </table>	Rebate Type	Rebate Number	_____	_____	_____	_____	_____	_____
Rebate Type	Rebate Number								
_____	_____								
_____	_____								
_____	_____								

### Customer Agreement

- A. As a qualified Silicon Valley Power (SVP) Customer, I agree to indemnify the City of Santa Clara, its City Council, commissions, officers, employees, volunteers, Strategic Allies, and agents from any claim, injury, liability, loss, cost, and/or expense or damage, including all costs and reasonable attorney's fees in providing a defense to any claim arising from this Rebate.
- B. I certify that I will purchase and install the indicated energy saving equipment or implement the indicated energy efficiency measures during the current SVP program year. I will provide a copy of the itemized proof of purchase and installation.
- C. I agree to verification inspections by SVP representatives or its third party contractors of both the sales transaction and product or measure installation.
- D. I certify that the information provided on this rebate application is true and correct.
- E. I understand that the installed equipment or measures must be operational and producing energy savings for a minimum of five (5) years after the project is completed. If the equipment or measures are removed or otherwise not producing energy savings, I understand that I may have to return a prorated amount of the rebate funds received.
- F. I certify that I have not received any other rebates for the equipment or measures indicated on this rebate application.
- G. All pages of this Application are included in and are part of this Agreement. This Application embodies the entire agreement between SVP and the Customer.
- H. Silicon Valley Power's Public Benefit Programs operate under a July-June annual budget calendar. Rebate funding is limited by the annual budget. Rebate applications are accepted on a first come, first served basis until the rebate budget is expended.
- I. Customer is limited to receiving a maximum of \$1,500,000 of rebate funds in the 2024-2025 program year (July 1, 2024 through June 30, 2025). This includes incentives received through all SVP programs. After June 30, 2025, the rebate funds maximum is subject to change. Projects approved in the 2024-2025 program year that are completed after June 30, 2025 will be counted toward the rebate funds maximum in effect for that year.
- J. Customer is limited to receiving a maximum of \$750,000 of rebate funds for similar measures installed at a single facility (stand-alone building). This limitation applies for a period of five (5) years.

**I have read and understand this Application, including the Program Rules and Eligibility Requirements, and I agree with all of its provisions.**

Customer Name (Please Print)	Customer Signature	Date
Title	Email Address	Phone



# Silicon Valley Power – Electrification Program

## 2024-2025 Custom Measure Rebate Application

### Heat Recovery Chiller and Heat Pump Pool Heater



### 1. Project Energy Savings and Rebate (submitted by customer)

Measure Type	Annual Natural Gas Savings (Therms) <sup>a</sup>	Equivalent kWh (multiply therms by 29.3) <sup>b</sup>	Annual Electric Energy Increase (kWh) <sup>c</sup>	Peak Demand Increase (kW) <sup>d</sup>	Total Savings (Equiv. kWh minus kWh) <sup>e</sup>	Incentive Rate (\$/kWh)	Potential Rebate (multiply Total Savings by Incentive Rate) <sup>f</sup>
Heat recovery chiller						\$0.25	
Heat pump pool heater						\$0.25	

**Estimated Project Cost:** \_\_\_\_\_

Total project rebate amount shall not exceed 65% of project cost. Project costs are limited to costs directly related to the installation of the measure.

#### Notes

- a) **Annual Natural Gas Savings** – the annual energy use of natural gas equipment that is being replaced by the all-electric equipment.
- b) **Equivalent kWh** – the Annual Natural Gas Savings converted to kilowatt hours.
- c) **Annual Electric Energy Increase** – the estimated annual electric energy use of the new systems or equipment.
- d) **Peak Demand Increase** – the estimated highest hour of peak demand (over a 12-month period) for the new systems or equipment.
- e) **Total Savings** – the annual natural gas annual energy savings (after being converted from therms to kWh) less the electric energy increase of the new systems or equipment.
- f) **Potential Rebate** – subject to review and approval by SVP. Rebates will be paid based on the Approved Rebate Amount.

### 2. Approved Energy Savings and Rebate (to be completed by SVP)

Measure Type	Approved Annual Natural Gas Savings (Therms)	Equivalent kWh (multiply therms by 29.3)	Approved Annual Electric Energy Increase (kWh)	Peak Demand Increase (kW)	Approved Energy Savings (Equiv. kWh minus kWh)	Incentive Rate (\$/kWh)	Rebate Potential
Heat recovery chiller						\$0.25	
Heat pump pool heater						\$0.25	
<b>Approved Project Cost</b>				<b>Rebate Cap (65% of Cost)</b>			

**Approved Rebate Amount (\$)**

#### Notes

- a) Approved Energy Savings are based upon SVP's review of submitted information and subject to SVP's analysis of the project. SVP will pay the rebate based upon energy savings that meets an acceptable level of risk and uncertainty (as determined by SVP). A higher perceived risk will result in a lower approved energy savings level.
- b) Rebate amounts are based on verified savings and may be adjusted higher or lower (0 – 120% of Approved Amount).



# Silicon Valley Power – Electrification Program 2024-2025 Custom Measure Rebate Application



## Heat Recovery Chiller and Heat Pump Pool Heater

### Greenhouse Gas (GHG) Emission Reduction

Energy Source	Energy Impact	CO2e (lbs/kWh)	Conversion Notes
Natural gas (therms)			Multiply therms by 12.08
Electric (kWh)			Multiply kWh by 0.562
<b>Net GHG Emission Reduction</b>			Subtract electric CO2e from gas CO2e

### Program Rules and Eligibility Requirements

- 2.1. Installation of a heat recovery chiller must reduce or eliminate the use of natural gas.
- 2.2. Installation of a heat pump pool heater must replace a natural gas-fired boiler as the primary source of pool water heat.
- 2.3. All nonresidential SVP customers are eligible to apply. Program eligibility requirements and project qualifications are subject to modifications at any time. Please check with an SVP energy engineer to ensure you have the latest version of the rebate application.
- 2.4. To help ensure the project will meet all program eligibility requirements, the Customer should consult with an SVP energy engineer during the design stage of the project.
- 2.5. The Custom Measure Rebate Application must be pre-approved by SVP prior to the implementation or installation of energy-efficient measures, systems, or equipment. SVP pre-approval consists of written confirmation from SVP to the SVP Customer. The pre-approval will define the approved rebate amount and establish the rebate deadline for the final post-installation inspection.
- 2.6. Final project inspection and all required documentation must be submitted by the deadline listed in the pre-approval notice from SVP. Otherwise, the rebate payment may be forfeited. If the project will not be completed by the deadline, the Customer must contact SVP at least 2 weeks before the deadline to request an extension.
- 2.7. As applicable, SVP will conduct pre-installation site inspections to confirm existing conditions and rebate eligibility.
- 2.8. SVP will conduct post-installation project inspections to confirm energy-efficient measures are installed and operating in a manner that saves energy.
- 2.9. Projects not eligible for funding under this program include but are not limited to the following:
  - 2.9.1. Projects that do not reduce the use of natural gas.
  - 2.9.2. Projects with a high degree of uncertainty in the proposed energy savings estimates, or projects where energy savings persistence cannot be assured.
  - 2.9.3. Projects that are installed and completed without SVP pre-approval.
  - 2.9.4. Equipment that is not permanently installed or can be easily removed.
  - 2.9.5. Projects that do not save energy in a demonstrable manner.
  - 2.9.6. Projects that save energy based on behavior (i.e., conservation) only.
  - 2.9.7. Projects that do not continue to produce energy savings for at least five years.
  - 2.9.8. Measures that are eligible under other SVP programs (SVP will make final determination of which program is most appropriate for each proposed measure).
- 2.10. A project description must be submitted to and be approved by SVP. The project description must clearly describe the project and explain how energy savings will be achieved.
- 2.11. Energy savings estimates must be submitted to and approved by SVP.
  - 2.11.1. The savings estimates must follow generally-accepted engineering principles and industry standards.



# Silicon Valley Power – Electrification Program

## 2024-2025 Custom Measure Rebate Application

### Heat Recovery Chiller and Heat Pump Pool Heater



- 2.11.2. All key assumptions used in the savings estimates must be listed.
- 2.11.3. If a spreadsheet model is used, the savings estimate methodology and calculations must be well organized and easy to follow. Equations in spreadsheet cells must be summarized and each equation constant or variable defined. Any external references or sources must be identified. For complex models, a narrative must accompany the model to guide SVP through the analysis.
- 2.11.4. If energy simulation software is used, the baseline and proposed design inputs must be clearly documented in a summary table. In addition, the model input files and detailed simulation output files generated by the software must be provided.
- 2.11.5. SVP, at its own discretion, may use its own engineering judgment and calculations to determine project or measure energy savings.
- 2.12. Project measure cost documentation must be submitted to and approved by SVP. Project measure costs are defined as the incremental costs that are directly related to the energy saving and greenhouse gas reduction measures implemented as a part of the project. SVP reserves the right to make the final decision on which project costs are considered measure costs.
- 2.13. A Measurement and Verification (M&V) plan must be submitted to and approved by SVP. An SVP energy engineer will assist the Customer in developing an appropriate M&V plan that substantiates the project's estimated energy savings and greenhouse gas reductions.
  - 2.13.1. To verify energy savings, the M&V plan may require pre and post project monitoring. The Efficiency Valuation Organization (EVO) provides a publicly accessible library of best practices with regard to measurement and verification techniques. The International Performance Measurement & Verification Protocol (IPMVP) can be downloaded at [www.evo-world.org](http://www.evo-world.org).
  - 2.13.2. SVP will make the final determination on what constitutes an acceptable project M&V plan. SVP may accept the customer-provided plan, accept it with revisions, or propose an alternative M&V plan.
- 2.14. Upon project completion, SVP will verify the energy savings. Adjustments to the approved rebate amount may be made based on the results of the M&V and to reflect the actual energy savings and greenhouse gas reductions achieved.
- 2.15. After the final rebate amount is approved, SVP will pay the rebate amount to the Customer. The rebate check will be issued within four to six weeks after the rebate application has been processed for payment.

#### Technical Requirements

- 2.16. Heat pump pool heater efficiency shall be equal to or better than a Uniform Energy Factor (UEF) of 3.5.
- 2.17. Heat recovery chiller full- and part-load efficiencies shall meet the state building energy code (Title 24) requirements in effect at the time when the project is submitted for approval by the building department.