



# Silicon Valley Power 2014-2015 Controls Pilot Program Rebate Application



<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>  <small>Attach payment authorization on letterhead if check is to be made payable to a third party</small></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 style="text-align: center;">SVP Account Number _____</p> <table border="1" style="width: 100%; border-collapse: collapse; background-color: #e0f0e0;"> <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	_____	_____	_____	_____	_____	_____
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### 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 \$500,000 of rebate funds in a single program year. This includes incentives received through all SVP programs.
- J. Customer is limited to receiving a maximum of \$500,000 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 Signature	Date
_____	_____
Customer Name (Please Print)	Title



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## 1. Customer Submitted Project Summary Information

Measure #	Measure Name	Annual Energy Savings (kWh)	Peak Demand Reduction (kW)	Control Measure Type <sup>a</sup>	Incentive Rate <sup>b</sup>	Annual Rebate Per Measure
<b>Totals</b>		<input type="text"/>	<input type="text"/>	<b>Rebate Amount / Year</b>		<input type="text"/>
<b>KWh Savings (5 Year Total)</b>		<input type="text"/>	<b>Total Potential Rebate Payment</b>		<input type="text"/>	
<b>Annual CO<sub>2</sub> lbs Reduction</b>		<input type="text"/>	<b>Total Measure(s) Cost</b>		<input type="text"/>	

**Notes**

- a) Control Measure Type: Lighting, HVAC, Process
- b) Incentive Rate: **\$0.02/kWh**
- c) Annual Rebate per Measure: equal to Annual Energy Savings (kWh) multiplied by Incentive Rate.
- d) The Potential Incentive Payment is equal to the Total Rebate Amount per Year multiplied by six.
- e) To determine annual CO<sub>2</sub> lbs reduction, multiply Total Annual kWh Savings by 0.65868.

## 2. Approved Energy Efficiency Measure Savings and Rebates

(to be completed by SVP)

Measure #	Measure Name	Annual Energy Savings (kWh)	Peak Demand Reduction (kW)	Control Measure Type <sup>a</sup>	Incentive Rate <sup>b</sup>	Annual Rebate Per Measure
<b>Totals</b>		<input type="text"/>	<input type="text"/>	<b>Rebate Amount / Year</b>		<input type="text"/>
<b>KWh Savings (5 Year total)</b>		<input type="text"/>	<b>Total Potential Rebate Payment</b>		<input type="text"/>	
<b>Total CO<sub>2</sub> lbs Reduction</b>		<input type="text"/>	<b>Total Measure(s) Cost</b>		<input type="text"/>	

**Notes**

- a) Approved Annual kWh Savings are based upon SVP's review of submitted information and subject to SVP's analysis of the project. SVP will pay rebate based upon energy savings level 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).



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### 3. Incentive Payment Schedule

Upon project approval, SVP will establish an incentive payment plan, subject to the conditions specified in this agreement.

#### 3.1 Incentive Payment Schedule (to be completed by SVP)

Incentive Payment Rate	\$ 0.02	per verified kWh saved		
Maximum Total Incentive Payment	\$		Projected Savings (kWh)	Incentive Payment
<b>First Incentive Payment</b>	At project completion	Subject to Section 4 Commissioning Requirements		\$
			Verified Savings (kWh)	Performance-based Incentive Payment
<b>Incentive Payment #2</b>	One year after project completion	Subject to Section 5 Commissioning Requirements		\$
<b>Incentive Payment #3</b>	Two years after project completion	Subject to Section 5 Commissioning Requirements		\$
<b>Incentive Payment #4</b>	Three years after project completion	Subject to Section 5 Commissioning Requirements		\$
<b>Incentive Payment #5</b>	Four years after project completion	Subject to Section 5 Commissioning Requirements		\$
<b>Incentive Payment #6</b>	Five years after project completion	Subject to Section 5 Commissioning Requirements		\$

- 3.2 Verified savings are counted from the date of project completion. Performance-based Incentive Payments are made on a yearly basis and are equal to the total verified energy savings to date multiplied by the Incentive Payment Rate, less any previous Performance-based Incentive Payments.
- 3.3 The Performance-based Incentive Payment for each payment period may be limited by the Customer yearly maximum rebate amount. If the Performance-based Incentive Payment amount causes the Customer's rebate payments for a single year to exceed \$500,000, then the incentive payment will be reduced or eliminated and will not roll over to the next payment period. Should one or more of the Performance-based Incentive Payments be reduced by the Customer yearly rebate limit, then the project Maximum Total Incentive Payment will also be reduced.
- 3.4 Maximum Total Incentive Payment is equal to the lesser of 120% of the Potential Incentive Payment amount or 65% of the Total Measure(s) cost.

### 4. Program Rules and Eligibility Requirements

- 4.1 The Controls Pilot Program Rebate Application must be pre-approved by SVP prior to the implementation or installation of energy-efficient measures. 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 timeline for the final post-installation inspection.
- 4.2 Final project inspection and the submittal of all required documentation must be submitted by the date listed in the pre-approval notice from SVP. Otherwise, the rebate funding may be forfeited. If the project will not be completed by the date listed, SVP should be contacted at least 2 weeks before the deadline to request a project deadline extension.
- 4.3 As applicable, SVP will conduct pre-installation site inspections to confirm existing conditions and rebate eligibility.
- 4.4 SVP will conduct post-installation project inspections to confirm energy-efficient measures are installed and operating in a manner that saves energy.
- 4.5 Project eligibility under the Controls Pilot Program is at the sole discretion of SVP.



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- 4.6 The Controls Pilot Program is limited to projects where automated control strategies account for greater than 80% of the project's total estimated annual energy savings.
- 4.7 Control projects eligible under the program are limited to HVAC, lighting, or process control systems.
- 4.8 Projects that are based on reprogramming existing control systems are ineligible. Eligible projects may include the addition of new control systems or the significant expansion and upgrade of existing control systems.
- 4.9 For projects with estimated annual energy savings greater than 500,000 kWh, the control system shall be capable of measuring and storing a minimum of one year of energy use data in hourly intervals. The use of permanently installed meters (plus or minus 5% accuracy) with supplemental data storage capabilities is a preferred alternative to using control systems for energy use measurement.
- 4.10 Projects are to be completed within six months of project pre-approval. Funding will be forfeited unless this deadline is met. If the project completion date is in jeopardy of missing this deadline, a request for an extension must be received by SVP at least 2 weeks before the deadline.
- 4.11. A project description must be submitted to and be approved by SVP. The project narrative must clearly describe the project and explain how energy savings will be achieved, including the following at a minimum:
  - 4.11.1. Description of control system and its energy management capabilities.
  - 4.11.2. The proposed control sequence of operations
- 4.12 Energy savings estimates must be submitted to and approved by SVP.
  - 4.12.1. The savings estimates must follow generally-accepted engineering principles and industry standards.
  - 4.12.2. All key assumptions used in the savings estimates must be listed.
  - 4.12.3. 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 used must be identified. For complex models, a narrative must accompany the model to guide SVP through the analysis.
  - 4.12.4. 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.
- 4.13. SVP, at its own discretion, may use its own engineering judgment and calculations to determine project or measure energy savings.
- 4.14. Submit a project Commissioning Plan. The Commissioning Plan, at a minimum, shall contain the following:
  - 4.14.1. A Methodology for verifying energy-saving control strategies are fully functional and operating as intended. This methodology will establish the yearly commissioning requirements during the term of this agreement. This shall include pre-installation measurement data at the measure level to establish baseline conditions. This shall also include post-installation measurement data at the measure level to verify the savings estimates.
  - 4.14.2. For projects with more than 500,000 kWh of annual energy savings, measured energy use data shall be used for verifying energy savings.
- 4.15. Submit revised energy savings estimate calculations after post-installation data is collected.
- 4.16. Yearly Commissioning Requirements - In order to determine system performance, verify energy savings, and receive performance-based incentive payments, the customer shall complete the following:
  - 4.16.1. Verify control strategies are fully functional and operating as intended, per the Commissioning Plan.
  - 4.16.2. Fix all known or discovered control and controlled-system deficiencies.
  - 4.16.3. Verify energy savings per the Commissioning Plan and submit to SVP for review and approval.
  - 4.16.4. For Projects with more than 500,000 kWh of annual energy savings, submit energy use data and summary of energy savings performance.