

Revised Cancelling Original

Cal. P.U.C. Sheet No. Cal. P.U.C. Sheet No.

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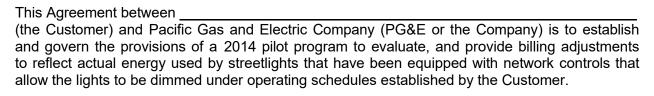
Electric Sample Form No. 79-1177

Sheet 1

Special Contract for Unmetered Service Agreement for Energy Use Adjustments for Network Controlled Dimmable Streetlights - 2014 Pilot Program

Please Refer to Attached Sample Form





WHEREAS, the streetlights in question are owned by the Customer and would otherwise be subject to the standard provisions of the Company's Electric Rate Schedule LS-2; and

WHEREAS, the technology available for use in remotely programmed network control systems for streetlights has advanced to the point where the systems are now capable of logging and reporting energy used by the streetlights; and

WHEREAS, the Customer and the Company agree that the current provisions of Electric Rate Schedule LS-2 do not provide sufficient flexibility to accommodate energy use adjustments for dimming schedules made possible by the use of remotely programmed network control systems; and

WHEREAS, the Company has determined that it would be impractical, and typically not cost-effective, for customers to pay to install individual meters at each service delivery point for streetlights or streetlight circuits supporting controlled lights subject to this Agreement; and

WHEREAS, the Company agrees that the Customer has met the eligibility requirements to allow participation in this pilot program as identified in Attachment 4, including the ability of the Customer's network control system to monitor, log and report energy consumption data for the controlled streetlights; and

WHEREAS, pursuant to the Company's electric Preliminary Statement Part A, Description of Service Area and General Requirements, Section 6.a, the Customer and the Company agree that, in lieu of installing meters at each service delivery point, the Company shall provide unmetered electric service as provided herein.

NOW THEREFORE, in consideration of the terms and covenants contained herein, the Customer and the Company hereby agree as follows:

A. Establishment of Initial Estimated Average Dimming Level

A Customer shall submit lamp installs/retrofits to PG&E via the monthly inventory report as detailed in Attachment 1, section I. The establishment of the initial estimated average dimming level for each lamp shall be established according to the following terms and conditions.



- 1. PG&E will initially establish any controls equipped lamps in its billing system without a Half-Hour Adjustment Value, and will bill the lamp without any credits and at the Total Energy Charge Rate from Schedule LS-2 during the first 90 days that lamp is in service. For purposes of the 2014 Pilot, A half-hour adjustment value is the number of 30-minute increments of usage required to reduce energy usage for 11 hours of operation per night for a typical "all night" light, to the energy usage for a light that is on a specific dimming schedule. The product of the half-hour adjustment value and the half-hour adjustment rate is equal to the bill credit for a lamp operating on a dimming schedule.
- The Customer will have a 90-day period from the initial install/retrofit date of the lamp to determine and establish the final dimming schedule for the lamp. The initial and final dimming schedules (if different from initial) will be submitted to PG&E in the next monthly inventory report immediately following the end of the initial 90-day period.
- 3. PG&E will retroactively adjust previous billings for the lamp to credit the Customer for previous energy reductions due to dimming, with the credit to be determined by two calculations: a) the difference between the initial dimming schedule from the lamp install date to the date of implementation of the final dimming schedule, if any; and b) the difference between the period from the final dimming schedule implementation to the end date of the latest customer energy statement.
- 4. Within 30 days following notification by the Customer, to be provided in a monthly inventory report, PG&E will calculate and post any credits for the initial and final dimming activities during the initial 90-day period.
- Credits derived from application of the Half-Hour Adjustment Value will be applied for each subsequent billing period until notification by the customer that dimming activities have been discontinued or modified.
- 6. Credits derived from application of the Half-Hour Adjustment Value will be provided as an aggregate value on the energy statement at the service agreement level, and in total as a single line item adjustment at the account level equal to the aggregate of the individual service agreement values.

A Customer's failure to conform to this procedure will subject that customer to all charges and fees accrued for the each lamp during the initial 90-day install period.

If a Customer leaves the 2014 Pilot Program, Customer shall provide PG&E with requested documentation reasonably necessary for PG&E to conduct an audit and include information related to Customer's use of controls to evaluate dimmable streetlight technology.



B. Customer's Opportunities to Change Estimated Average Dimming

After expiration of the initial 90-day period following installation or retrofit of a lamp, as described in the immediately preceding Section (Section A), then once per year, during a predetermined date period [beginning on the Customer's anniversary of its effective starting date in the 2014 Pilot Program, and ending on 6 p.m. on the 30th day thereafter], a Customer may provide written notice to PG&E that it has changed its estimated average dimming selection for each light that is used to determine its savings under this optional rate. Once a Customer provides its estimate, that estimate shall be binding for one year, as a necessary measure for Program stability.

If a Customer leaves the 2014 Pilot Program, Customer shall provide PG&E with requested documentation reasonably necessary for PG&E to conduct an audit and include information related to Customer's use of controls to evaluate dimmable streetlight technology.

C. Bill

- 1. Following receipt of the Customer's installed lamp type, wattage, installation date, hours of operation, and dimming percentage (as reported in the Inventory file defined in Attachment 1 below), PG&E will determine a corresponding Half-Hour Adjustment Value that provides the same or similar cost reduction, within a range of +/- 10% of the predicted cost reduction based on avoided energy usage through dimming. (See Dimming Percentage to Half-Hour Adjustment Conversion Table in Attachment 2).
- 2. PG&E will enter this Half-Hour Adjustment Value in the billing system as of the reported installation date as provided on the Customer's submitted inventory file.
- 3. From the effective starting date, and until otherwise informed by the Customer that dimming percentage and/or hours of operation have changed, PG&E will apply the calculated half-hour adjustment value to the otherwise applicable half-hour adjustment rate from Schedule LS-2.
- Customer's monthly bill will reflect an adjustment value equal to the assigned Half-Hour Adjustment Value times the number of lamps assigned that value, on an aggregate basis.
- 5. For illustrative purposes only, and not a guarantee or representation of any Customer's anticipated actual monthly bill, an example of potential billing under the 2014 Pilot Program is at Attachment 3.



D. Audit

- 1. PG&E will conduct an audit of each Customer to determine whether actual, reported usage from the network control system's data loggers is accurate. This audit will normally be conducted after the first full year of operation from the Customer's effective start date in the 2014 Pilot, or one year from the date that at least 50% of the Customer's stated inventory of lights has been installed and operating. However, PG&E reserves the sole discretion to conduct an audit of any Customer at any time and for any reason.
- 2. Each Customer must cooperate with PG&E, including but not limited to, providing data and information requested by PG&E (such as any changes in operating schedule), providing on-site access (including waiver of costs of access, permitting fees, etc.) to the streetlight network control system software for purposes of accessing individual energy consumption values for selected streetlights and control devices, and providing access to and the ability to test the lights, circuitry and loggers and other equipment used for the operation of the participating Customer's program, including information from suppliers of equipment and/or services for the Customer's program.
- 3. Audits will generally be scheduled during the standard work week, between 8 AM and 5 PM. The Customer may attend and observe an audit, at its own expense.
- 4. The Customer must promptly meet with PG&E, if requested, to evaluate the Pilot Program, discuss proposed adjustments, if any, and discuss potential longer-term billing solutions (cost, structure, etc.), if data logger output has been found to be inconsistent with both Rule 17 and Direct Access standards (DASMMD). Audit requirements and basic outline are included in Attachment 1.
- 5. The Customer, at its discretion and cost, may also test data logger devices to ensure proper reporting of energy consumption (e.g. whether it is recording data to within +/- 2% accuracy).
- 6. The Customer must monitor its software reports for anomalies (e.g. system alarm and error messages indicating errors in energy consumption recording functions). If any of the Customer's tests or monitoring confirms any such anomalies, the Customer shall report such findings to PG&E within 5 days.
- 7. The Customers' responsibility for costs associated with PG&E conducting an audit is as follows:
 - a. Level 1 audit (office/network operations site visit): At this stage, PG&E will conduct an audit at a Customer's streetlight network operations center. PG&E will absorb the costs of these audits that consist of an office/network operations site visit. An audit will exclude lights that were installed within three months of the scheduled audit. PG&E will provide the Customer five-business days' notice of a visit conducted under this section.



b. Level 2 audit (on-site, ground-level, visual inspection of dimmable streetlights): If for any reason, PG&E in its sole discretion determines that a Level 2 audit is necessary, then PG&E's audit will consist of a visual inspection at the site(s) where dimmable lights are physically located. PG&E will consider an alternative audit method that achieves the same purposes of an audit under this section, however, PG&E's determination shall be final. PG&E will absorb the cost of the first such Level 2 audit of a Customer. PG&E will provide Customers 48 hours' notice of a visit conducted under this section.

In the 12-month period following the day PG&E announces it has completed a Level 2 audit, the Customer shall bear the costs of any additional Level 2 audit that PG&E, in its sole discretion, determines is warranted, unless PG&E determines that the cause(s) leading it to conduct that second Level 2 audit is due an error attributable to PG&E.

- c. Level 3 audit (physical inspection of dimmable streetlights): If for any reason, PG&E in its sole discretion determines that physical inspection of enrolled dimmable streetlights is warranted, then a Level 3 audit will consist of physical access and inspection of the streetlights enrolled in the Pilot Program. The Customer agrees that it will be responsible for the all costs for any audit that requires physical inspection of the dimmable streetlights, including waiver of costs/fees the Customer may normally impose to access site(s) where the lights are located. PG&E will provide Customers ten-business days' notice of a visit conducted under this section.
- d. At the time PG&E notifies the Customer of any Level 2 or Level 3 audit, PG&E and the Customer agree to consult regarding the circumstances leading to the decision to conduct the audit. PG&E and the Customer agree to exercise good faith in considering mutually agreeable alternative methods of completing the audit, as long as the method of audit selected achieves the purposes of the audit to PG&E's satisfaction. PG&E at all times retains the sole discretion to determine the timing to begin and complete the audit, consistent with the notice provisions outlined in sections b. and c. above, to determine the course and scope of the audit, and to select the methods necessary for the audit.

PG&E will provide to the customer a non-binding estimate of the cost to the Customer. The Customer shall have five business days to review the non-binding estimate, and it may refuse to pay the cost of the audit before the date of the audit. Should the Customer refuse to pay for the cost of the audit, the Customer shall be subject to removal from the Pilot program. Such removal shall not diminish PG&E's right to audit the Customer for the period the customer took service under the pilot program, provided however, the customer shall not be charged for PG&E's audit cost. Further, the Customer shall still be responsible to provide necessary access and, for Level 3 audits, waive any costs/fees the Customer may normally impose to access the site(s) where the lights are located. Customers removed from the program pursuant to this term shall not be allowed to enroll in the 2014 Pilot



Program. For purposes of the 2014 Pilot only, the Customer's responsibility to fund PG&E's audit costs will be limited to \$10,000 annually.

e. While PG&E anticipates that most of its audits will be completed by the three-level process described in this section, the foregoing is in no way a limitation upon PG&E's sole discretion and judgment to (a) determine the scope of its audits, and (b) in any way tailor its audits as it solely deems is warranted. By way of example only, and not a limitation on PG&E's discretion, PG&E reserves the sole discretion and judgment to proceed directly to a level 3 audit without completion of a Level 1 or a Level 2 audit.

E. Conditions of Service

- If PG&E determines that more than 5% of the expected data logger readings are missing, inaccurate or otherwise unusable for any period (either consecutive or not) during the 2014 Pilot Program, PG&E reserves the right in its sole discretion to determine that the Customer is ineligible for future participation. The Customer may seek reinstatement through demonstrated resolution of these deficiencies.
- 2. If PG&E determines that less than 5% of the expected data logger readings of the electrical usage are either missing, inaccurate, or otherwise unusable, PG&E will notify the Customer that they have 15 business days to either provide the data in question, resolve the system deficiency preventing the receipt of reads by the network system on a forward basis such that future reads will be available for auditing of the lamp(s) in question, or demonstrate that the problem is not on the Customer side.
- 3. Missing, inaccurate and unusable data on electrical consumption shall be deemed to include:
 - <u>Missing</u>: The Customer's network control system does not have the requisite data necessary to verify, for audit purposes, the energy reduction through dimming on the streetlight.
 - <u>Inaccurate</u>: The read delivered by the Customer's network control system yielded a
 usage value outside anticipated tolerance for the dimming schedule submitted by
 Customer, and based on the luminaire type and wattage.
 - <u>Unusable</u>: The read as delivered by the Customer's network control system was not usable for purposes of PG&E's audit.



F. Audit Results

If the results of PG&E's audit of the data loggers or readings within the Customer's system are not sufficient to verify dimming activities consistent with the Customer's stated dimming schedule (as reported in the inventory report as described in Attachment 1), PG&E reserves the right to find the Customer ineligible for further participation in the 2014 Pilot Program, and bill that Customer/light at the standard LS-2 charges and fixed kilowatt hour amounts, including retroactive billing, for any period previously credited up to 3 years consistent with CPUC rules. PG&E will meet and confer with the Customer before taking this action. If the Customer is able to demonstrate, to the satisfaction of PG&E, that the problem with the data logger has been corrected, and the Customer wishes to resume participation in the pilot, the Customer shall be reinstated.

G. Review/Assessment of the 2014 Pilot Program

PG&E will assess the results of the 2014 Pilot Program in its 2017 GRC Phase II proceeding, including review of Customer data to the extent available. Its assessment may include recommendations to continue, revise or remove the pilot status of the Pilot, or to discontinue the Pilot and its rate option under Schedule LS-2. Such a proposal would be based in part on the success of the Pilot in properly capturing each Customer's usage, as well as an assessment with regard to whether the Pilot as designed is sustainable going forward.

H. Termination of 2014 Pilot Program

The 2014 Pilot Program is a temporary Pilot that will begin on the effective date of the tariffs implementing the CPUC's decision in PG&E's 2014 GRC Phase II proceeding, and end on December 31, 2017, or on the effective date of a CPUC final decision in PG&E's 2017 GRC Phase II proceeding whichever comes later.

I. Additional Items

- Only duly authorized employees or agents of the Company may connect Customer's electrical loads to, or disconnect the same from, the Company's electric distribution facilities.
- 2. Neither this Agreement nor conditions of electric service hereunder shall constitute permission or authorization for any use or occupation of the Company's facilities or facilities of any third party by Customer. It shall be sole responsibility and obligation of Customer to secure any rights or permission that may be necessary for the placement and use of Customer's Equipment on private property or within the public right of way.
- 3. Service furnished in accordance with this Agreement shall in all respects be subject to Company's applicable tariffs on file with the Commission and shall at all times be subject to such changes or modifications by the Commission as said Commission may, from time to time, direct in the exercise of its jurisdiction.



- 4. Whenever Customer owned streetlights, controls or related equipment are attached to Company owned poles or facilities, all such Customer facilities shall be installed, maintained and operated at all times in accordance with all applicable laws, rules and regulations by any governmental authority with jurisdiction, including Commission's General Order 95.
- 5. If, for any reason, the Customer determines that it is not in its interest to continue its participation in the pilot, the Customer retains the right to opt out subject to the following conditions. In order to opt out, the Customer must first provide written notice to the Company of its decision to opt out, and the Company shall return all of the Customer's network controlled streetlights to their existing non-controlled light bill by lamp type and bill them under Schedule LS-2 in accordance with PG&E Rule 12 provisions for rate changes (i.e., effective the next bill cycle). If the Customer opts out of the pilot, it may not return to service under the pilot for a year, also in accordance with Rule 12. Even after opting out, the Customer shall provide the Company with requested documentation reasonably necessary for the Company to conduct an audit and evaluate the pilot
- 6. The Company and the Customer will each identify an individual to serve as a primary point of contact for all issues and notices required herein, and share with the other party appropriate contact information for the identified individual. The identity and contact information for the primary contact individual may be changed by the Company or Customer as business needs change, but appropriate contact information will be shared promptly and maintained current at all times.
- 7. The Customer is solely responsible for streetlight system design, maintenance and operation, including selection of light sources, illumination levels, lighting pattern layout and coverage, and for establishing, implementing and maintaining any dimming schedule used to alter streetlighting output for the purpose of saving energy.
- 8. The waiver by either Party of any default in the performance, or failure to insist on strict performance, by the other or any covenant or condition contained herein shall not be construed to be a waiver of any preceding or subsequent default of the same or any other covenant contained herein.



PPROVED:	
	PACIFIC GAS AND ELECTRIC COMPANY
Customer	
Signature	
Type/Print Name	Type/Print Name
Title	
Date	

Attachment 3: Sample Calculation

Attachment 1: Data, Scheduling and Audit Requirements

Attachment 4: Customer Eligibility Requirements

Attachment 2: Dimming Percentage to Half-Hour Adjustment Conversion Table



ATTACHMENT 1 Data, Scheduling & Audit Requirements

I. DATA SUBMITTAL REQUIREMENTS

To be eligible for streetlight control billing adjustments, participating local governmental jurisdictions (Customers) must submit monthly inventory files to PG&E (based on Detailed Schedule for Data Reporting discussed in the Agreement for Energy Use Adjustments above as well as set forth below) that each contain:

A. Mandatory Data Fields for Monthly Reporting

- (i) Base Data Fields from PG&E Records -- Provided Initially by PG&E but Included with Each Month Report by Customer
 - PG&E Account ID: Provided for each streetlight data row
 - PG&E Service Agreement ID (SAID): Provided for each streetlight data row
 - PG&E Service Point ID: Provided for each streetlight data row
 - Streetlight ID: The current PG&E or Customer assigned pole number identifying streetlight(s) with controls matching Badge Number included in PG&E billing record, required condition of LS-2 service.

(ii) Data Supplied with Each Monthly Report by Customer:

- 1. Install Date: The date the streetlight control was installed.
- 2. <u>Wattage Rating of Control:</u> The total wattage of installed control and monitoring equipment. <Required for energy use adjustment if control does not monitor own use and if control uses more than 1.0 Watt. Will be disregarded if control tests show less than 1 watt or if control reports its own use.>
- 3. <u>Control Device Identification:</u> Each control device shall be separately numbered and the assigned number reported to PG&E. Subsequent replacement or removal of the control device will be reported to PG&E including the date the new device was installed and the identification number if changed.
- 4. <u>Lamp Wattage and Type:</u> The type of fixture installed and wattage of the installed lamp (PG&E will adjust for ballast wattage if applicable, does not apply to LED or Induction).



ATTACHMENT 1 Data, Scheduling & Audit Requirements

- 5. <u>Initial Dimming Hours of Operation:</u> The effective date of the implementation of the initial dimming schedule, to include the hours per day the lamp is dimmed, and the percentage to which the lamp is dimmed during these hours.
- 6. Equipment Changes: Customer will report any change to equipment during the period, including lamp size, fixture, monitoring and control equipment changes, and all information included in items 1-5 above. Changes to dimming percentages and/or hours of operation can be submitted for any individual streetlight within the first 90 days of installation/retrofit, and thereafter annually, as set forth in the Agreement for Energy Use Adjustments.
- 7. <u>Final Dimming Hours of Operation:</u> The effective date of the implementation of the final dimming schedule, to include the hours per day the lamp is dimmed, and the percentage to which the lamp is dimmed during these hours.
- 8. Customers wishing to remove controls equipped lamps from participation in the pilot shall submit the effective date of the removal as detailed in item 6 above, and supply a dimming schedule of zero (0) hours per day and a dimming percentage of zero (0).

B. PG&E Establishment of Half-Hour Adjustment Value – Monthly

Based on the submitted dimming schedule and percentage, PG&E will establish a Half-Hour Adjustment Value for each project lamp. Adjustment value will remain on lamp unless customer submits a revised dimming schedule, dimming percentage, or change to luminaire type and/or wattage. The timing for submittal of changes to dimming schedule and percentages are set forth in the Agreement for Energy Use Adjustments.

C. Additional Required Information

1. Other System Collected Data: Upon request and assuming vendor system can provide it, PG&E is entitled to also receive Power (wattage), calculated burn hours, amperage, and voltage for each light, as well as certain system generated status, alarm, fault, or exception telemetry that would assist PG&E in verifying data accuracy.



ATTACHMENT 1 Data, Scheduling & Audit Requirements

II. Detailed Schedule for Data Reporting (for Monthly Billing Adjustments)

- 1. PG&E and the Customer will utilize the existing bill cycle for the Customer's existing streetlight account(s) unless a change is mutually agreed to by both PG&E and the Customer in writing and executed by an authorized representative of each party. Customer will submit to PG&E an inventory file, as detailed in section I.A above, each month providing all retrofits completed in the preceding 30 days. PG&E will process the file as soon as practical following receipt. Lamps and/or controls installed during the current bill cycle but submitted to PG&E after the close of the current bill cycle will be processed in the following bill cycle or subsequent bill cycles (dependent on when the individual streetlight record is received by PG&E), however retroactive adjustment of the bill for both the lamp type and/or wattage change and half-hour adjustment will be calculated and credited from the actual installation date.
- 2. PG&E will perform data validation processing on the submitted inventory file and provide the Customer with notification of missing or unusable data (if any) within 30 days of receipt. Inventory records lacking complete or usable data will not be processed pending receipt of corrected data or verification of the accuracy of received data by the Customer.
- 3. The bill for the Account and Service Agreement included in the pilot program will be produced and mailed within 2-3 days of the close of the Billing Window.

III. AUDIT REQUIREMENTS

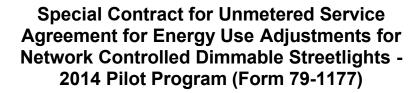
Each year, PG&E will audit data logging/reporting accuracy for each customer, including but not limited to the following:

- Customer will provide appropriate vendor documentation, such as specification sheets, applicable certification testing and compliance documentation, 3rd party evaluations, etc., for each vendor technology detailing the energy consumption of the controls devices, network components, and any ancillary equipment consuming power from PG&E's distribution lines that is installed or intended to be installed as unmetered.
- 2. PG&E will require a small number (to be determined and agreed upon later) of samples of each vendor control and monitoring technology for testing by PG&E the first time a customer seeks to deploy a network control system or when they change vendors or technology.



ATTACHMENT 1 Data, Scheduling & Audit Requirements

- 3. Customer will provide, at PG&E's request, periodic on-site or remote access to vendor system during the audit period to verify that system-resident readings for selected streetlight sample demonstrates energy usage reductions consistent with the dimming percentage and hours of operation reported by the customer in the inventory file.
- 4. PG&E may field-verify a sample of installed fixtures during the audit period to ensure a) fixture type and wattage agrees with the Customer's data file, and b) existence of control/monitoring devices there. This verification may also be accomplished through an alternative method deemed acceptable to PG&E, in its sole judgment and discretion.
- 5. PG&E shall evaluate whether the network control system's data loggers meet specified utility revenue quality standards under both Rule 17 and the Direct Access standards (DASMMD).





ATTACHMENT 2 Dimming Percentage to Half-Hour Adjustment Conversion Table.

Attachment 2: Dimming Percentage to Half-Hour Adjustment Conversion Table.

	Dimming Percentage							
Dimming Hours Per Night	15%	25%	40%	50%	60%	75%		
2	1	1	2	2	2	3		
4	1	2	3	4	5	6		
6	2	3	5	6	7	9		
7	2	4	6	7	8	11		
8	2	4	6	8	10	12		
10	3	5	8	10	12	15		
11	3	6	9	11	13	17		

^{*} For purposes of application of the hour-hour adjustment, PG&E assumes a linear relationship between dimming percentage and reduction in energy consumption (e.g. a 25% dimming percentage will equate to a half-hour adjustment value approximating a 25% reduction in usage as applied to the LS2 tariff consumption value for that lamp type and wattage).



ATTACHMENT 3 Sample Calculation Under 2014 Pilot Program

Customer intends to operate dimmable lamp on a 7 hour dimming schedule at 50% reduction.

150 Watt LED							
	AN-Hours	Hours Per Month	Tariff KWH	Cost Per KWH	Energy Cost	Facility Cost	Total Cost
Standard Cos	t 11	341.6667	50.4	\$0.13840	\$ 6.975	\$ 0.206	\$ 7.18
50% Dimming 10PM to 5AM					Half Hour Adjustment Value	Half Hour Adjustment Credit	
		Dimming Credit			-7	\$ 0.314	\$ (2.20)
						NetCost	\$4.98



ATTACHMENT 4 Customer Eligibility Requirements

Eligibility for Participation

A Customer's effective starting date in the 2014 Pilot Program shall be the latter of the date that the Customer and PG&E execute the Special Contract. Participation in the 2014 Pilot Program will be open to any Customer that satisfies the following eligibility requirements:

- 1. A Customer must provide to PG&E sufficient evidence, in PG&E's sole determination, that it has deployed a network controlled streetlight system that meets the minimum technical requirements for accuracy of data recording and reporting, as set forth further below, and comply with reasonable requests for information sufficient for PG&E to identify potential issues or problems with the system's workability for purposes of this rate. Without limitation, documentation can include technical specifications for energy consumption for both luminaires, control devices, and network components.
- 2. A Customer's network control/monitoring system must include vendor documentation substantiating network control system data logger accuracy within +/- 2 percent, consistent with Rule 17 and the Direct Access Standards (DASMMD).
- 3. A Customer's network control/monitoring system must include the capability to record energy consumption values at hourly intervals.
- 4. A Customer shall have 30 calendar days from the installation date of any network controlled streetlight device(s) in the field to notify PG&E of the installation. Data files supplying this information are to follow a format to be provided by PG&E. Data files will be emailed to a dedicated PG&E mailbox to be specified by PG&E.
- 5. A Customer must inform PG&E in writing how many new lights it plans to include in the 2014 Pilot as it makes that determination. The Customer will provide specific information on the streetlights as they are installed, including, but not limited to: the model and manufacturer of the luminaire and the model and manufacturer of the monitor/control system.
- 6. Customers can revise the number of lights included in the 2014 Pilot Program at any time, through inclusion in the monthly inventory file and by providing the streetlight specific information detailed in Attachment 1, section 1.A. However, after establishment of the final dimming schedule (as defined in Attachment 1, section 1.A.ii.7, and Agreement for Energy Use Adjustment), changes to the dimming schedule are limited to once



ATTACHMENT 4 Customer Eligibility Requirements

every 12 months, with the exception of streetlights that are being either completely de-energized or returned to a non-dimming operational state.

- 7. All other non-streetlight or parasitic load must be accounted for and billed under separate agreements, including network components of the streetlight network system, such as unmetered network gateways, that are served from PG&E's distribution system via non-metered connections.
- 8. A Customer's application must include technical specifications for energy consumption of luminaires, control devices, network components, and any other parasitic load not recorded by a PG&E metering point.
- Each control device must record its own usage, or, per agreement, for total device consumption greater than one watt, the Customer and PG&E may determine the estimated usage of each device and agree to a fixed adjustment in advance.
- 10. The provision of information to PG&E will be for purposes of compliance with this 2014 Pilot Program, and does not insert PG&E as an evaluator of the network controllable streetlight technology selected by a Customer. Rather, the Customer or prospective Customer understands and accepts the risk of any harm potentially resulting from a failure of a network controllable streetlight system to meet PG&E's qualifications for participation or continued participation in the 2014 Pilot Program.
- 11. A Customer must satisfy all of the eligibility requirements for the 2014 Pilot Program at all times during the Pilot. If at any time PG&E determines that a Customer does not meet all eligibility requirements, PG&E shall provide a notice of ineligibility to that Customer specifying each and every requirement it has been found not to meet. If the Customer cannot document that it has cured each deficiency and meets all eligibility requirements within 60 days of such notice, it shall be removed from this 2014 Pilot Program. The Customer may seek reinstatement through adequate demonstration, in the sole judgment of PG&E, that the Customer's streetlight system satisfies all of the eligibility requirements detailed in this Attachment 4 and meets the requirements of Section E, Conditions of Service, Part 1, of the Special Contract for Unmetered Service, for a consecutive thirty day period.
- 12. PG&E retains the sole discretion, at any time and for any reason, to revise the minimum requirements for a network controllable streetlight system to qualify for the 2014 Pilot Program, including but not limited to minimum technical requirements for accuracy of data recording and reporting. A



ATTACHMENT 4 Customer Eligibility Requirements

Customer already participating in the 2014 Pilot Program will not need to satisfy revised qualifications for continued participation in the Program.

If a permanent LS-2 rate option is created as a result of the 2014 Pilot, the Customer may elect to receive service under that permanent rate option, the rate option it received during the 2014 Pilot, or the standard applicable streetlight rates.

13. Nothing relating to the 2014 Pilot shall be read to in anyway limit PG&E's sole and unfettered discretion and judgment to establish rate schedules affecting streetlights.