

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
ACTION AGENDA SUMMARY

DEPT: Public Works *MB*

BOARD AGENDA # *C-3

Urgent Routine

AGENDA DATE June 3, 2008

CEO Concur with Recommendation YES NO
(Information Attached)

4/5 Vote Required YES NO

SUBJECT:

Approval to Adopt a Resolution to Authorize the Public Works Director to Enter into an Agreement with Pacific Gas and Electric Company to Allow the Installation of SmartMeter Communication Equipment on Specified County-Owned Street Light Poles

STAFF RECOMMENDATIONS:

1. Adopt the resolution to authorize the Public Works Director to enter into an agreement with Pacific Gas and Electric Company to allow the installation of PG&E SmartMeter communication equipment on specified County-owned street light poles.
2. Authorize the Public Works Director to sign the Street Light License Agreement with the Pacific Gas and Electric Company.

FISCAL IMPACT:

The revenue generated through the execution of the Street Light License Agreement would be distributed as shown below:

(Continued on Page 2)

BOARD ACTION AS FOLLOWS:

No. 2008-402

On motion of Supervisor Monteith, Seconded by Supervisor O'Brien
and approved by the following vote,

Ayes: Supervisors: O'Brien, Monteith, DeMartini and Chairman Mayfield

Noes: Supervisors: None

Excused or Absent: Supervisors: Grover

Abstaining: Supervisor: None

1) Approved as recommended

2) Denied

3) Approved as amended

4) Other:

MOTION:

Christine Ferraro

ATTEST: CHRISTINE FERRARO TALLMAN, Clerk

File No.

Approval to Adopt a Resolution to Authorize the Public Works Director to Enter into an Agreement with Pacific Gas and Electric Company to Allow the Installation of SmartMeter Communication Equipment on Specified County-Owned Street Light Poles
Page 2

FISCAL IMPACT CONTINUED:

Network Location Code	Street	Lighting District, County Service Area or County Road Operations Fund	License Fee
12162	W/S Tully Road	County Road Operations Fund	\$780
12271	4213 Windgate Dr	Denair LD	\$780
12272	4700 Monte Vista Ave	Denair LD	\$780
12159	Kiernan Ave	Salida Hwy LD	\$780
12189	S/S Covert Rd	Salida Hwy LD	\$780
12164	Hartley Dr	Hillcrest LD	\$780
12252	E/S Golden State Blvd	County Road Operations Fund	\$780
12215	655 Cameron Way	Empire LD	\$780
12174	Gateway Dr	CSA 10	\$780

In addition, an administrative fee of \$120 per pole would go to the Stanislaus County Road Operations Fund (\$1,080). Per the agreement, Pacific Gas and Electric Company would pay a total of \$8,100 to the County and appropriate County Service Areas, and Lighting Districts.

DISCUSSION:

Pacific Gas and Electric Company (PG&E) is automating the reading of gas and electric meters for all residential customers. They have embarked on a 3 to 5 year program to eliminate manual meter reading for the 10.3 million residential customers in the PG&E service area that cover approximately two-thirds of the State of California. Anticipated benefits include more convenience and less intrusion for customers. Customers with pets will no longer need to tie up animals for monthly meter reads. Customers will also be able to monitor their energy use in real-time online. With this system, PG&E is expected to provide faster outage detection and restoration times, gain the ability to turn service on and off remotely, reduce operating costs, and provide better energy management.

To automate the reading of their gas meters, PG&E needs to install pole-mounted "SmartMeter" telecommunication equipment. Each equipment module consists of a data collector unit, two (2) whip antennas, coaxial cable, and a photovoltaic adapter. While most of this equipment will be placed on PG&E poles, there are some areas where PG&E desires to use poles belonging to the County because of coverage issues.

Approval to Adopt a Resolution to Authorize the Public Works Director to Enter into an Agreement with Pacific Gas and Electric Company to Allow the Installation of SmartMeter Communication Equipment on Specified County-Owned Street Light Poles
Page 3

The locations of the nine poles in Stanislaus County are shown on Exhibit A of the attached Street Light License Agreement.

As of this writing, PG&E has executed ten (10) such agreements with other municipalities such as the cities of Patterson, Bakersfield, Fresno, Redding, Antioch, Lodi, Galt, and Stockton. Also, Street Light License Agreements are pending or in progress with many other jurisdictions, including the cities of Modesto, Riverbank, Waterford and Turlock.

The "Street Light License Agreement" contains arrangements between PG&E and the County to allow PG&E equipment to be installed on specified County street light poles. The agreement provides for PG&E to pay an upfront one-time license fee of \$780 per location and an additional administrative fee of \$120 per location for County staff time. The agreement also specifies maintenance and liability responsibilities.

POLICY ISSUES:

The Board should consider if the recommended actions are consistent with its priorities of providing a safe community, a healthy community and a well-planned infrastructure system.

STAFFING IMPACT:

There is no staffing impact associated with this item.

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
STATE OF CALIFORNIA

Date: June 3, 2008

No. 2008-402

On motion of Supervisor Monteith Seconded by Supervisor O'Brien
and approved by the following vote,

Ayes: Supervisors: O'Brien, Monteith, DeMartini, and Chairman Mayfield

Noes: Supervisors: None

Excused or Absent: Supervisors: Grover

Abstaining: Supervisor: None

Item # *C-3

THE FOLLOWING RESOLUTION WAS ADOPTED:

WHEREAS, Stanislaus County owns, operates and maintains certain street light poles located in the geographic areas within the political jurisdiction of COUNTY; and

WHEREAS, PG&E desires to enter into an Agreement for the attachment of communication equipment used for the operation and maintenance of PG&E's *SmartMeter* network, to COUNTY's existing street light poles; and

WHEREAS, PG&E's *SmartMeter* equipment consists of Telecommunications equipment including, but not limited to, a Data Collector Unit, two whip antennas, coaxial cable and photovoltaic adaptor ("*SmartMeter* Equipment"); and

WHEREAS, it is understood and agreed that this Agreement will permit the placement of the *SmartMeter* communication equipment on certain of COUNTY's street light poles; and

WHEREAS, COUNTY is willing to grant PG&E a non-exclusive, revocable license for the attachment of the *SmartMeter* Equipment to COUNTY-owned street light poles, subject to the terms and conditions set forth in this Agreement.

WHEREAS, it is understood that any additional services that could potentially be provided by *SmartMeter* will be negotiated through separate agreements.

NOW, THEREFORE, BE IT RESOLVED that the Board of Supervisors of Stanislaus County, does hereby authorize the Public Works Director to enter into an agreement with Pacific Gas and Electric Company (PG&E) to allow the installation of PG&E SmartMeter communication equipment on specified COUNTY-owned street light poles.

ATTEST: CHRISTINE FERRARO TALLMAN, Clerk
Stanislaus County Board of Supervisors,
State of California



**STREETLIGHT LICENSE AGREEMENT
Stanislaus County Public Works Agreement**

THIS AGREEMENT is made and entered into on June 3, 2008, by and between the **STANISLAUS COUNTY**, ("COUNTY" herein) and **PACIFIC GAS AND ELECTRIC COMPANY**, a California corporation ("PG&E" herein) each being referred to individually as a "Party" and collectively as the "Parties."

RECITALS

WHEREAS, COUNTY owns, operates and maintains certain streetlight facilities located in the geographic areas within the political jurisdiction of COUNTY; and

WHEREAS, PG&E desires to enter into an Agreement for the attachment of communication equipment used for the operation and maintenance of PG&E's SmartMeter network, to COUNTY's existing streetlight poles; and

WHEREAS, PG&E's SmartMeter equipment consists of telecommunications equipment including, but not limited to, a Data Collector Unit, two whip antennas, coaxial cable and photovoltaic adaptor ("SmartMeter Equipment"); and

WHEREAS, it is understood and agreed that this Agreement will permit the placement of the SmartMeter communication equipment on certain of COUNTY's existing streetlight poles; and

WHEREAS, COUNTY is willing to grant PG&E a non-exclusive, revocable license for the attachment of the SmartMeter Equipment to COUNTY streetlight poles, subject to the terms and conditions set forth in this License Agreement.

WHEREAS, It is understood that any additional services that could potentially be provided by SmartMeter will be negotiated through separate agreements.

NOW, THEREFORE, incorporating the foregoing recitals herein, the Parties agree as follows:

1. EFFECTIVE TERM OF AGREEMENT. This Agreement shall be and remain in effect for a period of twenty (20) years from the date of execution.

1.1 This agreement shall extend thereafter for successive terms of one year each, unless otherwise terminated by either party on not less

than six (6) months advance written notice to the other party prior to the date when such termination shall become effective.

2. STREETLIGHT LICENSE. COUNTY does hereby confer on PG&E a non-exclusive, revocable license to attach, replace, operate, maintain, and use SmartMeter Equipment to certain photocells, support arms and streetlight pole(s) owned by COUNTY. The specific locations for SmartMeter installation is requested are included in Exhibit A, and are those specific locations that the Parties hereby agree are covered by this Agreement as of the date the agreement is executed.

3. LICENSE FEE. As its entire consideration for the rights granted herein, PG&E shall pay to COUNTY a one-time Seven Hundred and Eighty DOLLAR (\$780) up front payment for each street light pole to which PG&E attaches its *SmartMeter* Equipment.

3.1 Such amount will be prorated for the first and, if applicable, final calendar year of the Effective Term on the basis of a 365 day year.

3.2 PG&E shall pay COUNTY a pro-rata portion of the Seven Hundred and Eighty (\$780) dollar attachment fee for all additional attachments installed under the terms of this agreement.

3.3 All payment obligations associated with the renewals of this agreement under §1.1 will be prorated in accordance with the payment obligations of §3 herein.

3.4 PG&E will provide a revised list of locations ("Exhibit A") as poles are added or deleted.

4. ADDITIONAL LOCATIONS. Prior to installing any *SmartMeter* Equipment on any additional COUNTY-owned street light poles, other than the locations identified in Exhibit "A", PG&E will submit to COUNTY a revised Exhibit "A" seeking permission to install such additional *SmartMeter* Equipment on specified COUNTY-owned street light poles.

4.1 COUNTY will use its best commercially reasonable efforts to respond, in writing, to each request submitted by PG&E within twenty (20) business days; provided that COUNTY is not required to approve, in whole or part, any such request, so long as its denial or delay in approving is not unreasonable or discriminatory to PG&E.

4.2 Each location approved by the COUNTY shall be memorialized in a Street Light Permit in the form of Exhibit "A" to this Agreement,

and shall be incorporated by reference herein at the time it is executed and delivered.

4.3 PG&E may, from time to time, replace, modify, update and/or reposition existing *SmartMeter* Equipment without seeking COUNTY's prior approval and without incurring additional fees.

4.4 If this Agreement is terminated by PG&E prior to the expiration of the Effective Term of such twenty (20) year term, COUNTY shall have no obligation to refund any prepaid amounts paid to COUNTY. If this Agreement is terminated by COUNTY prior to the expiration of the Effective Term of such twenty (20) year term, COUNTY shall refund to PG&E a prorated apportionment of such payment for the remaining years of such twenty (20) year term.

4.5 At the COUNTY's discretion maintenance, repairs, removal and reinstallation will be at no cost to the COUNTY.

SAFETY PRECAUTIONS. PG&E shall perform all work on COUNTY-owned streetlight facilities in a workmanlike manner and in compliance with applicable federal, state, and local laws, rules and regulations. All work on such streetlight facilities shall be performed by PG&E's personnel or contractor operating from either a ladder or bucket truck.

5. RADIO FREQUENCY EMISSION REQUIREMENTS. PG&E will operate the PG&E SmartMeter Equipment in a manner that complies with the FCC's (or any more restrictive applicable standard subsequently adopted or promulgated by a governmental agency with jurisdiction) Maximum Permissible Exposure (MPE) limits for electric and magnetic field strength and power for density for transmitters in an inhabited area.

6. REMOVAL OF SMARTMETER EQUIPMENT. COUNTY will use its best commercially reasonable efforts to provide PG&E ten (10) business days prior written notice of any non-emergency work that will, or may, affect the SmartMeter Equipment and/or the PG&E SmartMeter gas network.

6.1 In the event that COUNTY is required by law or unavoidable circumstance to remove any SmartMeter Equipment attached to COUNTY Property on an emergency basis, COUNTY will use its best commercially reasonable efforts to notify PG&E of such circumstance as soon as practicable and will take all due care in removing and storing the SmartMeter Equipment.

6.2 PG&E will provide COUNTY written notice within ten (10) business days of removing any SmartMeter Equipment from any COUNTY Property specifying the SmartMeter Equipment removed and the COUNTY Property from which it was removed.

6.3 PG&E will, at its expense, remove all remaining SmartMeter Equipment from COUNTY Property within one hundred eighty (180) days of the termination or expiration of this Agreement.

6.4 In the event that PG&E fails to remove any SmartMeter Equipment from the COUNTY Property in a timely manner, COUNTY may at PG&E's expense, remove and store such SmartMeter Equipment.

8. ADMINISTRATIVE COSTS PG&E will provide a non-refundable administrative fee of one hundred and twenty dollars (\$120.00) per attachment to cover staff time and materials related to SmartMeter.

9. INDEMNITY. PG&E shall indemnify, defend, and hold harmless COUNTY, its officers, agents and employees against any and all liability, claims, actions, causes of action or demands whatsoever against them, or any of them, before administrative or judicial tribunals of any kind whatsoever, arising out of, connected with, or caused by PG&E, PG&E's employees, agents, independent contractors, companies, or subcontractors in the performance of, or in any way arising from, the terms and provisions of this Agreement whether or not caused in part by a party indemnified hereunder, except for any such claims, damage or liabilities caused by COUNTY's active negligence or willful misconduct.

10. ASSIGNMENT. Neither this Agreement, nor any interest in it, may be assigned or transferred by any party without the prior written consent of the parties, which shall not be unreasonably withheld.

11. BINDING EFFECT. The rights and obligations of this Agreement shall inure to the benefit of, and be binding upon, the parties to the Agreement and their administrators, representatives, successors and assigns.

12. COMPLIANCE WITH ALL LAWS. PG&E shall, at PG&E's sole cost, comply with all of the requirements of Municipal, State, and Federal authorities now in force, or which may hereafter be in force, pertaining to this Agreement, and shall faithfully observe in all activities relating to or growing out of this Agreement all Municipal ordinances and State and Federal statutes, rules or regulations, and permitting requirements now in force or which may hereafter be in force. Provided however, that PG&E shall not be required to apply for any encroachment permit for the SmartMeter Equipment authorized under this Agreement.

13. CORPORATE AUTHORITY. Each individual signing this Agreement on behalf of entities represent and warrant that they are, respectively, duly authorized to sign on behalf of the entities and to bind the entities fully to each and all of the obligations set forth in this Agreement.

14. **EXHIBIT.** In the event of a conflict between the terms, conditions or specifications set forth in this Agreement and the exhibit attached hereto, the terms, conditions, or specifications set forth in this Agreement shall prevail. The exhibit to which reference is made in this Agreement are deemed incorporated in this Agreement, whether or not actually attached.

15. **GOVERNING LAW.** The laws of the State of California will govern the validity of this Agreement, its interpretation and performance.

16. **FURTHER ASSURANCES.** Each party shall execute and deliver such papers, documents, and instruments, and perform such acts as are necessary or appropriate, to implement the terms of this Agreement and the intent of the parties to this Agreement.

17. **INSURANCE.** PG&E shall procure and maintain for the duration of this Agreement the following types and limits of insurance or self-insurance ("basic insurance requirements") herein:

17.1 **Automobile liability insurance,** providing coverage on an occurrence basis for bodily injury, including death, of one or more persons, property damage and personal injury, with limits of not less than One Million Dollars (\$1,000,000) per occurrence; and the policy shall:

17.1.1 Provide coverage for owned, non-owned and hired autos.

17.2 **Broad form commercial general liability insurance,** unless otherwise approved by the COUNTY's Risk Manager, providing coverage on an occurrence basis for bodily injury, including death, of one or more persons, property damage and personal injury, with limits of not less than One Million Dollars (\$1,000,000) per occurrence; and the policy shall:

17.2.1 Provide contractual liability coverage for the terms of this Agreement.

17.2.2 Provide products and completed operations coverage.

17.2.3 Contain an additional insured endorsement in favor of the COUNTY, its chairman, board, officers, agents, employees and volunteers.

17.3 **Workers' compensation insurance** with statutory limits and employer's liability insurance with limits of not less than One Million Dollars (\$1,000,000) per accident; and the policy shall contain a waiver of subrogation in

favor of the COUNTY, its chairman, board, officers, agents, employees and volunteers.

17.4 All policies required of the PG&E shall be primary insurance as to the COUNTY, its chairman, board, officers, agents, employees, or designated volunteers and any insurance or self-insurance maintained by the COUNTY, its chairman, board, officers, agents, employees, and designated volunteers shall be excess of the PG&E's insurance and shall not contribute with it.

17.5 Except for workers' compensation, insurance is to be placed with insurers with a Bests' rating as approved by COUNTY's Risk Manager, but in no event less than A:V. Any deductibles, self-insured retentions or insurance in lesser amounts, or lack of certain types of insurance otherwise required by this Agreement, or insurance rated below Bests' A:V, must be declared prior to execution of this Agreement and approved by the COUNTY in writing.

17.6 Unless otherwise approved by COUNTY's Risk Manager, all policies shall contain an endorsement providing the COUNTY with thirty (30) days written notice of cancellation or material change in policy language or terms. All policies shall provide that there shall be continuing liability thereon, notwithstanding any recovery on any policy.

17.7 The insurance required hereunder shall be maintained until all work required to be performed by this Agreement is satisfactorily completed as evidenced by written acceptance by the COUNTY.

17.8 PG&E shall furnish the COUNTY Risk Manager with a certificate of insurance and required endorsements evidencing the insurance required. The COUNTY may withdraw its offer of contract if certificates of insurance and endorsements and bonds required have not been provided as required by the Special Provisions.

17.9 Full compensation for all premiums which PG&E is required to pay on all the insurance described herein shall be considered as included in the prices paid for the various items of work to be performed under the Agreement, and no additional allowance will be made for additional premiums which may be required by extensions of the policies of insurance.

17.10 It is further understood and agreed by PG&E that its liability to the COUNTY shall not in any way be limited to or affected by the amount of insurance obtained and carried by the PG&E in connection with this Agreement.

17.11 PG&E shall have the right to self insure with respect to any of the insurance requirements required under this Agreement. By request, PG&E shall submit a letter of self-insurance signed by a duly authorized representative,

evidencing that the self-insurance program is in full force and effect and in compliance with and subject to all the terms, agreements, covenants, conditions and provisions of the Agreement.

18. MERGER AND MODIFICATION. All prior agreements between the parties are incorporated in this License Agreement which constitutes the entire agreement. Its terms are intended by the parties as a final expression of their agreement with respect to such terms as are included herein and may not be contradicted by evidence of any prior agreement or contemporaneous oral agreement. The parties further intend this License Agreement constitutes the complete and exclusive statement of its terms and no extrinsic evidence whatsoever may be introduced in any judicial or arbitration proceeding involving this License Agreement. This License Agreement may be modified only in a writing approved by the COUNTY Board and signed by all the parties.

19. NEGATION OF PARTNERSHIP. COUNTY shall not become or be deemed a partner or joint venture with PG&E or associate in any such relationship with PG&E by reason of the provisions of this License Agreement. PG&E shall not for any purpose be considered an agent, officer or employee of COUNTY.

20. NO WAIVER OF DEFAULT. The failure of any party to enforce against another party any provision of this Agreement shall not constitute a waiver of that party's right to enforce such a provision at a later time, and shall not serve to vary the terms of this Agreement. The acceptance of work or services, or payment for work or services, by COUNTY shall not constitute a waiver of any provisions of this Agreement.

21. NOTICES. All notices relative to this Agreement shall be given in writing and shall be personally served or sent by certified or registered mail and be effective upon actual personal service or depositing in the United States mail. The parties shall be addressed as follows, or at any other address designated by notice:

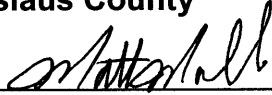
COUNTY: Stanislaus County:
Attn: Matt Machado, Director of Public Works
1010 10th Street Place
Modesto, CA 95358

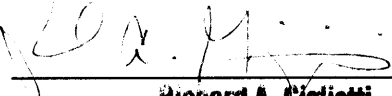
PG&E: Attn: Land Department – Land Manager
245 Market Street, N10A, Room 1015
P.O. Box 770000
San Francisco, California 94177

22. TERMINATION. The parties hereto agree that either party may terminate this Agreement, as it relates to any individual location of the *SmartMeter* Equipment, upon one hundred eighty (180) days advance written notice to the other party. In the event that COUNTY terminates this Agreement as it relates to any individual location of the *SmartMeter* Equipment, COUNTY agrees to provide an alternative location for such *SmartMeter* Equipment that is reasonably acceptable to PG&E. COUNTY agrees that it will not terminate this agreement within the first five (5) years and PG&E relies on this representation as a basis for the capital expenditure associated with the facility installations. With this exception, either party may terminate this Agreement in its entirety, at any time during the term hereof by giving written notice to the other party, not less than six (6) months prior to the requested date of such termination. Any termination of this Agreement shall not relieve PG&E of any obligations, whether of indemnity or otherwise, which have accrued prior to such termination or completion of removal of PG&E's equipment, whichever is later, or which arises out of an occurrence happening prior thereto.

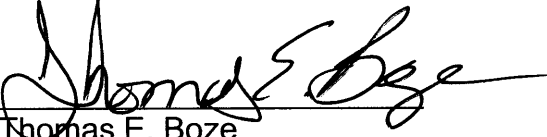
22.1 Except as specifically set forth herein, COUNTY and PG&E agree that neither Party shall terminate this Agreement in the event of an alleged non-monetary breach nor default hereunder before the defaulting Party has been given notice of and a reasonable time and opportunity to respond to and cure any such non-monetary breach or default. For purposes of the foregoing, a reasonable time to cure any non-monetary breach or default shall be deemed to be thirty (30) days after notice, unless the nature of the default in question is such that while it is reasonably susceptible of being cured, it is not reasonably susceptible of being cured within such thirty (30) day period, in which case the curing thereof shall have commenced within such thirty (30) day period and shall hereafter be prosecuted to completion with reasonable diligence.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed, the day and year first-above written.

"COUNTY "
Stanislaus County
By: 
Matt Machado, Director
Department of Public Works

"PG&E"
PACIFIC GAS & ELECTRIC COMPANY
By: 
Richard A. Gigliotti
Manager, Land Energy Delivery
Technical & Land Services

APPROVED AS TO FORM:
JOHN P. DOERING

By: 
Thomas E. Boze
Deputy County Counsel

Attachment: Exhibit "A" – Streetlight License



**Pacific Gas and
Electric Company™**

EXHIBIT A

STREET LIGHT and UTILITY POLE PERMIT

PART 1 REQUEST FOR ACCESS

To: COUNTY OF STANISLAUS: Date _____
 Street: DEPARTMENT OF PUBLIC WORKS
 1716 Morgan Road
 Modesto, CA 95358
 Attn: LAURIE BARTON, PE, Deputy Director of Engineering and Operations

In accordance with that certain Streetlight and Utility Pole License Agreement between the County of Stanislaus ("COUNTY") and PG&E dated _____, 2008 (the "Agreement") we hereby request permission to place attachments on the COUNTY streetlight designated below.

1. Location of the streetlight

NLC	Street	NLC	Street
12162	W/S TULLY RD	12164	320 HARTLEY DR
12271	4213 WINDGATE DR	12252	E/S GOLDEN STATE BLVD
12272	4700 MONTE VISTA AVE	12215	655 CAMERON WAY
12159	KIERNAN AVE	12174	GATEWAY DR
12189	S/S COVERT RD		

2. Schematic drawing of the attachments to be contacted under this permit are attached. Location of the streetlight shown as a ● on the map attached.

Permittee: Pacific Gas and Electric Company
 Authorizing Engineer Name: Dan Partridge
 Address: 1850 Gateway Blvd, Concord, CA 94520

Company or Department: SmartMeter Operations
 Phone # (925) 270-2820

PART 2 AUTHORIZATION

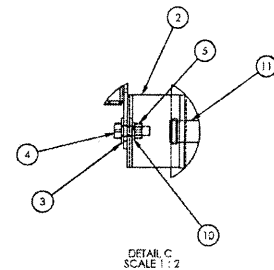
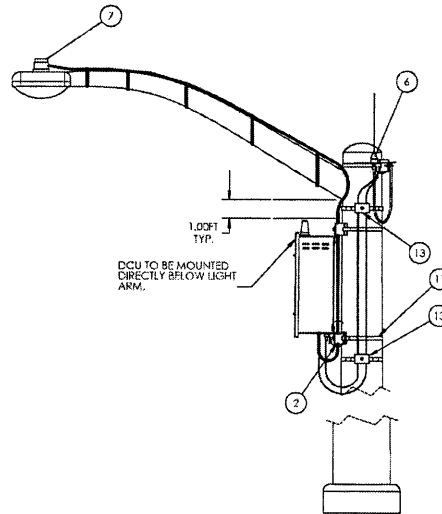
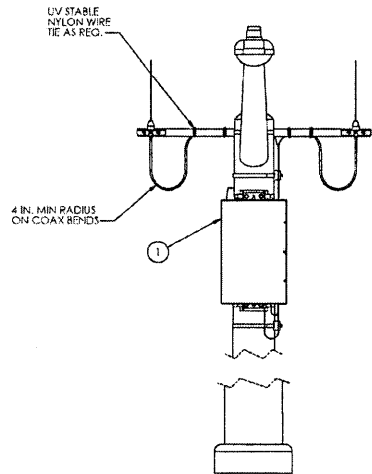
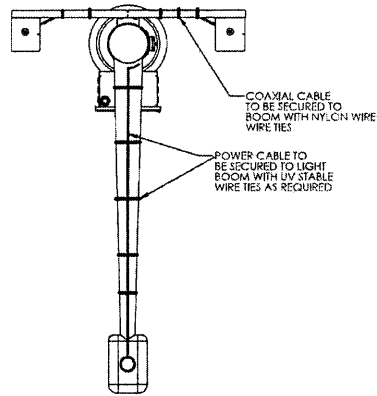
Subject to the terms and conditions of the Agreement, you are hereby authorized to install the attachments described in this Exhibit.

COUNTY OF STANISLAUS:

BY: _____

Execution Date: _____

ITEM NO.	PART NUMBER	DESCRIPTION	SUPPLIER	QTY.
1	9975DCU	DATA COLLECTION UNIT	HEXAGRAM, INC.	1
2	067-5373G	DCU/SOLAR PANEL MOUNT BRACKET, HEX, INC.	HEXAGRAM, INC.	3
3	069-3305	5/16 FFWASH METAL SS	HEXAGRAM, INC.	10
4	069-561832LS	5/16-18 X 1" HEX HEAD BOLT SS	HEXAGRAM, INC.	6
5	069-3306	5/16-18 HEX NUT SS	HEXAGRAM, INC.	6
6	073-0010	455-470 MHZ ANT. FOR DCU II, HEX INC	HEXAGRAM, INC.	2
7	POWER ADAPTER, LIGHT HEAD	FISHER PIERCE P/N FP283A-1-180MMH	INSTALLATION CONTRACTOR	1
8	109-9975D	UHF ANT. BASE ASSY, DCU II	HEXAGRAM, INC.	2
9	336-9975M	ALUMINUM BOOM, 4 FT	HEXAGRAM, INC.	1
10	069-3204	5/16 LW. SS	HEXAGRAM, INC.	6
11	067-5373C	BANDING STRAP 3/4" 201 STAINLS	HEXAGRAM, INC.	3
12	070-2570-XX	COAX CABLE LENGTH AS REQUIRED	HEXAGRAM, INC.	2
13	COAX SUPPORT	COAX CUSHION BLOCK, 8003041 B1	INSTALLATION CONTRACTOR	2
14	WIRE TIE, NYLON, UV STABLE	AS REQ. WIRE TIE NYLON UV STABLE	INSTALLATION CONTRACTOR	



- NOTES:
1. MOUNTING HEIGHT OF ANTENNAE AND DCU WILL BE PER PG&E WORK ORDER.
 2. COAXIAL CABLE SHOULD BE SECURED TO ROOM WITH NYLON WIRE TIES AS REQUIRED.
 3. COAX TO BE SUPPORTED WITH COAXIAL CUSHION BLOCKS FOR VERTICAL RUN. EXCESS COAX TO BE COILED ABOVE DCU.
 4. DRIP LOOPS SHOULD BE FORMED AS NEEDED. GROUNDING IS NOT REQUIRED.
 5. USE 3/4 IN SS BANDING FOR DCU, ANTENNA ROOM AND CUSHION BLOCK INSTALLATION.

REV	DATE	BY	CHKD	APP'D	DESCRIPTION

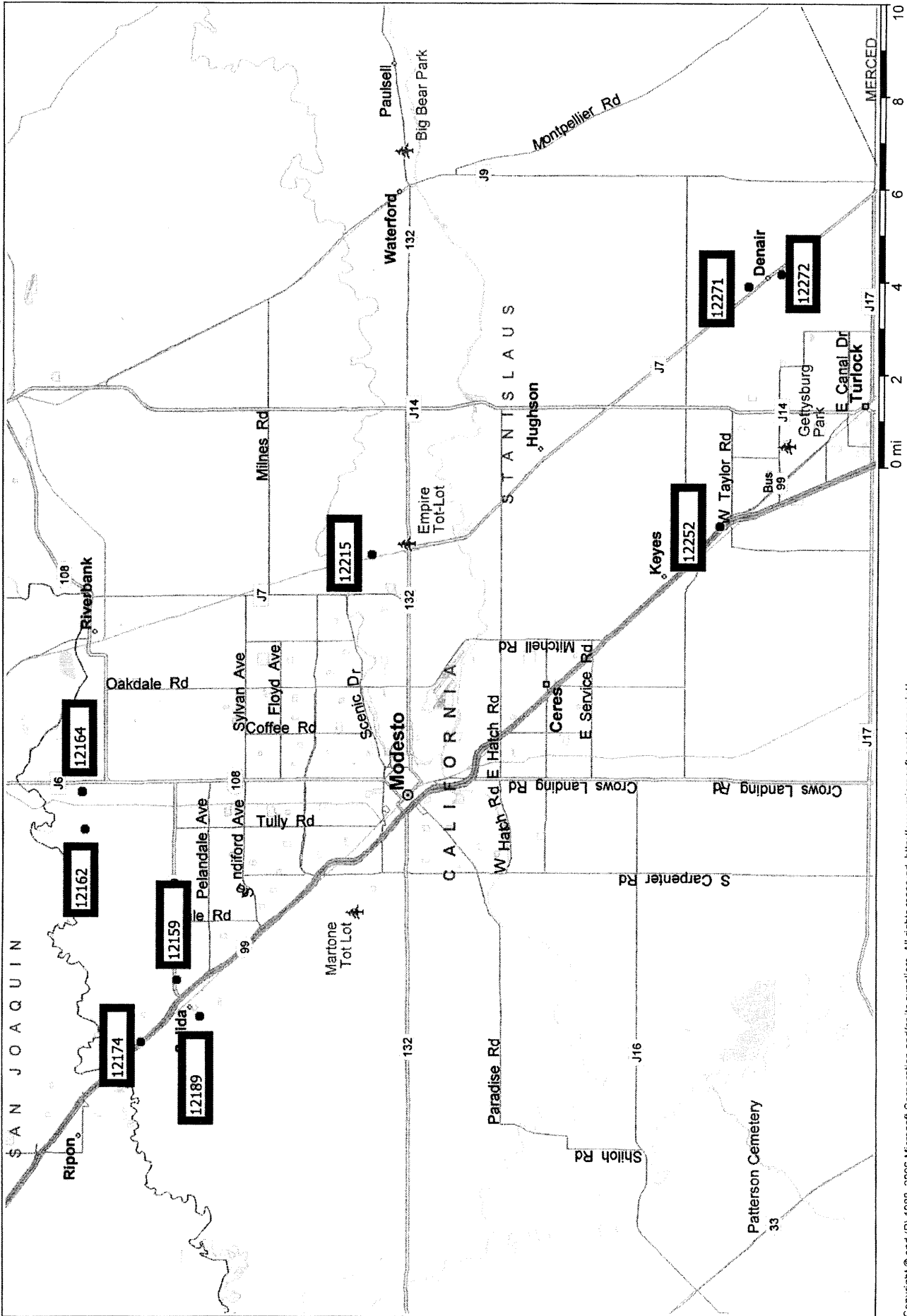
HEXAGRAM
Installation Guide for Light Pole

DRAWING FOR TYPICAL PG&E INSTALLATION

SCALE: 1/4"=1'-0"

SHEET 1 OF 1

Exhibit A - PG&E SmartMeter Equipment on Stanislaus County Streetlights, 5/12/08



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 Portions © 1990-2005 IntelliShield Software Corporation. All rights reserved. Certain mapping and direction data © 2005 NAVTEQ. All rights reserved. The Data for areas of Canada includes information taken with permission from Canadian authorities, including © Her Majesty the Queen in Right of Canada, © Queen's Printer for Ontario. NAVTEQ and NAVTEQ ON BOARD are trademarks of NAVTEQ. © 2005 Tele Atlas North America, Inc. All rights reserved. Tele Atlas and Tele Atlas North America are trademarks of Tele Atlas, Inc.

Exhibit A - PGandE SmartMeter Equipment on Stanislaus County Streetlights, 5/12/08

	NLC	Street	City - GIS	TechIdentNo.	Latitude	Longitude	Mounting Type	VERIFIED OWNERSHIP
1	12162	W/S TULLY RD	DEL RIO	N/A	37.739620	-121.013840	Street Light	STANISLAUS CO
2	12164	320 HARTLEY DR	DEL RIO	N/A	37.740560	-120.998980	Street Light	STANISLAUS CO
3	12252	E/S GOLDEN STATE BLVD	STANISLAU	54605	37.540680	-120.894750	Street Light	STANISLAUS CO
4	12271	4213 WINDGATE DR	DENAIR	N/A	37.532270	-120.799640	Street Light	STANISLAUS CO
5	12272	4700 MONTE VISTA AVE	DENAIR	17006	37.521660	-120.795150	Street Light	STANISLAUS CO
6	12215	655 CAMERON WAY	EMPIRE	N/A	37.650060	-120.906130	Street Light	STANISLAUS CO
7	12159	KIERNAN AVE	SALIDA	N/A	37.710850	-121.074030	Street Light	STANISLAUS CO
8	12174	GATEWAY DR	SALIDA	N/A	37.721980	-121.0990045	Street Light	STANISLAUS CO
9	12189	S/S COVERT RD	SALIDA	N/A	37.703450	-121.088730	Street Light	STANISLAUS CO