

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



November 18, 2014

Advice Letters: 3441-G/4328-E
3441-G-A/4328-E-A
3441-G-B/4328-E-B

Meredith Allen
Senior Director, Regulatory Relations
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, California 94177

**SUBJECT: IMPLEMENTATION OF ENERGY EFFICIENCY (EE) FINANCE PROGRAM
ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT IN COMPLIANCE
WITH D.13-09-044**

Dear Ms. Allen:

Advice Letters 3441-G/4328-E, 3441-G-A/4328-E-A, and 3441-G-B/4328-E-B are approved as supplemented; effective November 14, 2014, per Resolution E-4663 Ordering Paragraphs approved June 26, 2014.

Sincerely,

A handwritten signature in black ink that reads "Edward Randolph".

Edward Randolph
Director, Energy Division

Brian K. Cherry
Vice President
Regulatory Relations

Pacific Gas and Electric Company
77 Beale St., Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177

Fax: 415.973.7226

December 19, 2013

Advice 3441-G/4328-E

(Pacific Gas and Electric Company ID U 39 M)

Public Utilities Commission of the State of California

**Subject: Implementation of Energy Efficiency (EE) Finance Program Energy
Financing Line Item Charge (EFLIC) Pilot in Compliance with
Decision 13-09-044**

Purpose

Pacific Gas and Electric Company (PG&E) hereby submits for approval documents required to implement PG&E's Energy Finance Line Item Charge (EFLIC) pilot in compliance with Ordering Paragraph (OP) 7b of Decision (D.)13-09-044, *Decision Implementing 2013-2014 Energy Efficiency Financing Pilot Programs* (Financing Decision). PG&E's proposed EFLIC Gas and Electric Rate Schedules, Gas and Electric Sample Form 79-1156, and required revisions to Gas and Electric Rule 9 are provided in Attachment 1. PG&E's proposed EFLIC Program Implementation Plan (PIP) is provided in Attachment 2.

Background

PG&E was authorized in the Financing Decision to implement EFLIC, a residential billing pilot for energy efficiency loans. EFLIC is a billing option under the Single Family Loan Program (SFLP) that was also authorized in the Financing Decision (OP 7a).¹ This advice letter complies with Ordering Paragraph (OP) 7b requiring the Investor-Owned Utilities (IOUs) to file PIPs for Energy Efficiency (EE) Finance pilots with an on-bill repayment (OBR) feature within 90 days of the date the Financing Decision was issued. The Decision was issued on September 20, 2013, and thus this submission is timely.

Southern California Gas Company (SCG), on behalf of itself, PG&E, Southern California Edison Company (SCE) and San Diego Gas & Electric Company (SDG&E), filed a Joint

¹ The SFLP PIP was filed on November 19, 2013, by Southern California Gas Company (SCG) on behalf of itself, PG&E, Southern California Edison (SCE), and San Diego Gas & Electric Company (SDG&E), together referred to as the Investor-owned Utilities (IOUs) in SCG Advice Letter (AL) 4562, SDG&E AL 2538-E/2240-G, SCE AL 2969-E and PG&E AL 3433-G/4320-E.

IOU AL today in which it submitted the other energy efficiency finance PIPs in full compliance with OP 7b, as described below.²

EFLIC Pilot

The Financing Decision approved seven financing pilots to be deployed in phases, according to the Preliminary Implementation Plan,³ which takes into account the potential timing for deployment of each pilot.

- “Fast Track” pilots: Includes two off-bill pilots, the SFLP and the Off-Bill Small Business Lease Program. Fast Track PIPs were submitted by Joint IOU AL on November 19, 2013, and the pilots are expected to be operational by March 2013.
- OBR Pilots: Includes five on-bill pilots (Master-Metered Multifamily Finance Program, Small Business Loan Program, On-Bill Small Business Lease Providers, Nonresidential Without Credit Enhancement, and EFLIC).

In addition, the Financing Decision authorized “pre-development” of two local pilots: PG&E’s EFLIC pilot and SCG’s Master-Metered Multifamily Finance Program through SCG.

PG&E’s proposed EFLIC PIP allows on-bill repayment for loans to SFLP participants. The SFLP is a loan program with a Loan Loss Reserve (LLR), which sets aside a certain amount of money to cover potential losses in the event of customer default and the lender’s ultimate charge-off of a loan. The EFLIC pilot is an additive feature that would allow customers to repay a SFLP loan through a charge on their PG&E bills. The pilot aims to test whether repayment on the utility bill will advance the Commission’s goal of leveraging private capital with ratepayer funds to expand access to EE Financing in the single family residential sector.

As approved in the Financing Decision, the California Alternative Energy and Advanced Transportation Financing Authority (CAEATFA) is intended – pending receipt of legislative budgetary authority -- to undertake activities to establish itself as the California Hub for Energy Efficiency Financing (CHEEF) to run the finance pilots. The role of the CHEEF is to structure the credit enhancements (CEs), such as LLRs; develop broad terms and conditions for financial products offered through the pilot programs; coordinate and track the deal flow between qualified Financial Institutions (FIs), IOUs, and customers; hire a Master Servicer to coordinate transactions for on-bill repayment pilots; protect the integrity of ratepayer funds held as CEs; provide transparency; and ensure program compliance.

² SCG AL 4581, SDG&E AL2558-E/2253-G, SCE AL 2989-E and PG&E AL 3439-G/4327-E.

³ D.13-09-044, Appendix G.

Concurrent with the development of the PIP submitted herein, CAEATFA is undertaking activities to receive legislative budgetary authority for this fiscal year and establish itself as the CHEEF to run the finance pilots. As of the date of this letter, CAEATFA has not received the necessary approvals to fulfill this role. However, provided such approvals are received, CAEATFA will develop regulations for each pilot. Because the pilot regulations will be developed after the PIPs have been submitted, the IOUs consulted with CAEATFA in their development to ensure that the PIPs address the framework for the financing pilots, including EFLIC, as adopted in the Financing Decision, consistent with CAEATFA's authority to institute regulations. These discussions are consistent with the Commission's guidance in the Financing Decision.⁴

The activities and schedules in the PIP assume that CAEATFA will obtain its necessary budget authority in December 2013 and are subject to change based on the date such approval is obtained.

Summary of Compliance Requirements

This advice letter implements the EFLIC pilot in PG&E's service area and complies in part with the Commission's order to file a PIP for the OBR pilots within 90 days of the date the Financing Decision is issued. PG&E consulted with CAEATFA and the other IOUs to address additional requirements prescribed by the Financing Decision within the PIP, as described below:

General PIP Requirements

1. The statewide pilot program PIPs shall include, but not be limited to, detailed schedules for implementation, proposed budgets, marketing, education, and outreach guidelines, and data requirements (Ordering Paragraph 7c).

PG&E has addressed these elements in the EFLIC PIP. The Implementation schedule is addressed in Section 10.a, the EFLIC budget in Section 8, marketing, education and outreach in Section 10.h, and data requirements in Section 12 (additional information).

2. The IOUs, in consultation with CAEATFA, FIs, and Energy Division, shall develop and submit the on bill repayment PIPs which inform CAEATFA's rulemaking (D.13-09-044, §6.1., p. 69).

The IOUs used a statewide team to coordinate development of each OBR PIP, including EFLIC. CAEATFA was consulted during the process of preparing the PIPs.

⁴ D.13-09-044, Appendix G, Preliminary Implementation Plan

The statewide finance team, through SCG, consulted with Energy Division staff throughout the development of the PIPs, receiving input on the format, structure, and draft content. A webinar which included Energy Division and FIs was held on December 10, 2013.

3. PIPs to be submitted should include a Marketing, Education and Outreach (ME&O) component. ME&O plans shall include training for all pilot programs, including engaging FIs, contractors, and other market participants and borrowers (D.13-09-044, §10, p. 84).

Please see Section 10.h of the EFLIC and SFLP PIP for sub-program specific marketing and outreach.

4. The PIPs address the pilot criteria required of such programs (D.09-09-047, pp. 48 – 49).

The new Finance Pilots, including EFLIC, are pilots subject to the requirements established by the Commission for such pilots, including ten criteria to be evaluated for approval. PG&E has addressed the criteria in Section 12.a thru 12.j (additional information) of the PIP.

EFLIC Pilot Specific Requirements

1. The Financing Decision states that once the Master Servicer is operating, the program shall be transferred to CAEATFA from the California Homebuyer's Fund and borrowers will have access to CEs through the SFLP. CHF and other lenders seeking to access these CEs will need to execute Lender Service Agreements pursuant to CAEATFA's program rules. Transition to CAEATFA, including opening the program to other FIs under similar terms and conditions, and linkage to the SFLP shall be addressed in the 90-day PIP. (p. 37-38).

PG&E has addressed this requirement in Section 9a.

2. The Financing Decision states that the EFLIC program, in both the pre-release and full pilot, shall include a component for outreach to low and moderate income homeowners. (p. 38).

PG&E has addressed this requirement in the ME&O Section 10h.

3. The Decision specifies that EFLIC does not involve an allocation of partial customer payments between utility energy bills and energy improvement finance charges (p.36). To maintain consistency across the various OBR Pilots and IOU service areas, PG&E proposes using its existing system functionality to apply payment priority to avoid a costly IT upgrade to change its existing functionality.

This would result in delinquent EFLIC charges being allocated payment prior to utility energy bills.

Tariff Revisions

1. Gas and Electric EFLIC Rate Schedule

PG&E is proposing a new gas and electric EFLIC Rate schedule to outline the billing service PG&E is providing for the EFLIC pilot. The rate schedule is for the pilot phase after the pilot is transferred to the CHEEF and does not control the first phase of the pilot. The rate schedule addresses the following requirements of EFLIC as outlined in the Financing Decision (pp.35-36)

- “It does not result in utility disconnection for failure to pay the debt charges” (p. 35). – Tariff Section F Paragraph 2 outlines that a customer can be removed from the EFLIC program for failure to pay the utility bill and all charges on it in full. Although EFLIC is not a dis-connectable charge, failure by a customer to pay each bill in full could lead to a delinquency on energy charges, due to prioritization of payments towards delinquent amounts, and subsequent disconnection per existing rules.
- “[N]or does it involve an allocation of partial customer payments between utility energy bills and energy improvement finance charges.” (p.36) – Tariff Section F Paragraph 5 outlines payment prioritization. PG&E will use its existing payment prioritization system which does not allocate partial payments between energy charges and third party charges. By using the existing system, however, delinquent charges receive priority over current charges. As such, delinquent EFLIC loan charges could be collected before current energy charges.
- “The loan obligation does not transfer to subsequent owners or occupants.” (p. 36) – Tariff Section F paragraph 10 indicates that the EFLIC loan charge cannot be transferred or assigned.

2. Gas and Electric standard form agreement, Authorization to Add Loan Charges to Utility Bill (Residential) (Gas and Electric Sample Form 79-1156).

- PG&E is proposing a new standard form agreement, Authorization to Add Loan Charges to Utility Bill (Residential) (Gas and Electric Sample Form 79-1156) The form must be signed by the customer to provide consent to place loan charges on his/her utility bill.

3. Revision to Gas and Electric Rule 9

Rule 9 currently states that partial payments by a customer will be allocated in proportion to the amount owed on each component of the bill. As mentioned above, in order to have a consistent statewide approach to payment allocation,

the revision to Rule 9 indicates that the EFLIC specific tariff will govern payment allocation.

Protests

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, facsimile or E-mail, no later than January 8, 2014, which is 20 days after the date of this filing. Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
505 Van Ness Avenue, 4th Floor
San Francisco, California 94102

Facsimile: (415) 703-2200
E-mail: EDTariffUnit@cpuc.ca.gov

Copies of protests also should be mailed to the attention of the Director, Energy Division, Room 4004, at the address shown above.

The protest shall also be sent to PG&E either via E-mail or U.S. mail (and by facsimile, if possible) at the address shown below on the same date it is mailed or delivered to the Commission:

Brian K. Cherry
Vice President, Regulatory Relations
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, California 94177

Facsimile: (415) 973-7226
E-mail: PGETariffs@pge.com

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter (General Order 96-B, Section 7.4). The protest shall contain the following information: specification of the advice letter protested; grounds for the protest; supporting factual information or legal argument; name, telephone number, postal address, and (where appropriate) e-mail address of the protestant; and statement that the protest was sent to the utility no later than the day on which the protest was submitted to the reviewing Industry Division (General Order 96-B, Section 3.11).

Effective Date

PG&E requests that this Tier 3 advice filing become effective upon Commission approval.

Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the parties on the service list for A.12-07-001, et. al. and R.13-11-005. Address changes to the General Order 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter filings can also be accessed electronically at: <http://www.pge.com/tariffs>

A handwritten signature in black ink that reads "Brian Cherry" followed by a handwritten mark that looks like "k4c".

Vice President, Regulatory Relations

Attachment 1: Tariff Revisions

Attachment 2: Energy Finance Line-Item Charge Pilot Program Implementation Plan

cc: Service List A.12-07-001, et. al. and R.13-11-005

CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER FILING SUMMARY ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No. **Pacific Gas and Electric Company (ID U39 M)**

Utility type: Contact Person: Kingsley Cheng

ELC GAS Phone #: (415) 973-5265

PLC HEAT WATER E-mail: k2c0@pge.com and PGETariffs@pge.com

EXPLANATION OF UTILITY TYPE

ELC = Electric GAS = Gas

PLC = Pipeline HEAT = Heat WATER = Water

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: 3441-G/4328-E

Tier: 3

Subject of AL: Implementation of Energy Efficiency (EE) Finance Program Energy Financing Line Item Charge (EFLIC) Pilot in Compliance with Decision 13-09-044

Keywords (choose from CPUC listing): Compliance, Agreements, Forms, Rules, Conditions of Service

AL filing type: Monthly Quarterly Annual One-Time Other _____

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: D.13-09-044

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No

Summarize differences between the AL and the prior withdrawn or rejected AL: _____

Is AL requesting confidential treatment? If so, what information is the utility seeking confidential treatment for: No

Confidential information will be made available to those who have executed a nondisclosure agreement: N/A

Name(s) and contact information of the person(s) who will provide the nondisclosure agreement and access to the confidential information: _____

Resolution Required? Yes No

Requested effective date: Upon Commission Approval

No. of tariff sheets: 22

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: New Electric Schedule EFLIC (Energy Financing Line Item Charge (EFLIC) Pilot), New Gas Schedule G-EFLIC (Energy Financing Line Item Charge (EFLIC) Pilot), Gas and Electric Rule 9, and New Gas and Electric Sample Form 79-1156

Service affected and changes proposed: New Electric Schedule EFLIC (Energy Financing Line Item Charge (EFLIC) Pilot), New Gas Schedule G-EFLIC (Energy Financing Line Item Charge (EFLIC) Pilot)

Pending advice letters that revise the same tariff sheets: N/A

Protests, dispositions, and all other correspondence regarding this AL are due no later than 20 days after the date of this filing, unless otherwise authorized by the Commission, and shall be sent to:

**California Public Utilities Commission
Energy Division
EDTariffUnit
505 Van Ness Ave., 4th Flr.
San Francisco, CA 94102
E-mail: EDTariffUnit@cpuc.ca.gov**

**Pacific Gas and Electric Company
Attn: Brian K. Cherry
Vice President, Regulatory Relations
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177
E-mail: PGETariffs@pge.com**

ATTACHMENT 1
Advice 3441-G

Cal P.U.C.		Canceling Cal P.U.C. Sheet No.
Sheet No.	Title of Sheet	

30929-G	GAS SCHEDULE G-EFLIC ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT Sheet 1	
30930-G*	GAS SCHEDULE G-EFLIC ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT Sheet 2	
30931-G	GAS SCHEDULE G-EFLIC ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT Sheet 3	
30932-G	GAS SCHEDULE G-EFLIC ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT Sheet 4	
30933-G*	GAS SCHEDULE G-EFLIC ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT Sheet 5	
30934-G	GAS RULE NO. 9 RENDERING AND PAYMENT OF BILLS Sheet 3	27941-G
30935-G	GAS SAMPLE FORM 79-1156 AUTHORIZATION TO ADD LOAN CHARGES TO UTILITY BILL (Residential) Sheet 1	
30936-G*	GAS TABLE OF CONTENTS Sheet 1	30927-G
30937-G*	GAS TABLE OF CONTENTS Sheet 2	30928-G
30938-G	GAS TABLE OF CONTENTS Sheet 6	30719-G
30939-G	GAS TABLE OF CONTENTS Sheet 12	30721-G



GAS SCHEDULE G-EFLIC

ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT

Sheet 1 (N)
(N)

APPLICABILITY: This Rate Schedule is applicable to gas service to Residential Customers who meet the eligibility criteria specified in Section CUSTOMER ELIGIBILITY below, and receive service under a PG&E gas rate Schedule. (N)

The Energy Financing Line-Item Charge (EFLIC) Pilot facilitates repayment of loans from Participating Lenders to Customers through the Customer's Energy Statement (Bill). The loans between residential Customers and Participating Lenders are used to finance the installation of energy efficiency improvements. Only payments on Eligible Loans from Participating Lenders may be incorporated into a Customer's Bill.

EFLIC is available for loans funded and closed by the lender through the EE Finance Pilots Single Family Loan Program (SFLP), on or before December 31, 2015 or as otherwise directed by the California Public Utilities Commission (CPUC). PG&E will bill for these funded and closed loans for the duration of the original loan term. PG&E's may cease billing Customer for Loan Charges before the final loan payment is due to the Participating Lender, as discussed in Section BILLING AND PAYMENT OF LOAN CHARGES below.

DEFINITIONS: The definitions of capitalized terms used in this Rate Schedule are either defined in this Rate Schedule, in Gas Rule 1 Definitions, or in EFLIC Guidelines, as defined below. Unless otherwise stated, all references to "Customer" in this Rate Schedule will refer to PG&E Customers who have elected to participate in EFLIC.

California Hub for Energy Efficiency Financing (CHEEF): a central enabling entity through which energy users, financial institutions, energy efficiency providers, and utilities can participate in a pilot to help finance the installation of Qualified Measures. The CHEEF may act through agents and third-party-service providers.

Energy Finance Line Item Charge (EFLIC): A process whereby charges for a Loan Agreement are included in a Customer's Bill, to be paid to PG&E with the Utility Charges. Loan Charge payments will be forwarded to the Participating Lender.

EFLIC Guidelines: Requirements for participation in EFLIC will be established in the EFLIC Program Implementation Plan approved by the CPUC.

Eligible Loan: A contractual financial arrangement from a Participating Lender to a Customer for an energy efficiency upgrade in the Single Family Loan Program (SFLP) for which PG&E is collecting the payments on the Bill. EFLIC is a payment option under SFLP.

Loan Agreement: A written agreement between a Customer and a Participating Lender to finance Customer's purchase and installation of Qualified Measures at a Customer Premise owned and occupied by Customer. The named person(s) on the loan must also be the named person(s) on the PG&E Bill on which the loan will be repaid.

Loan Charge: Amounts due during a billing period from a Customer to a Participating Lender for an Eligible Loan, including principal and any interest, late fees, late payments, and any other fees as calculated by the Participating Lender pursuant to the Loan Agreement. (N)

(Continued)



GAS SCHEDULE G-EFLIC
ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT

Sheet 2

DEFINITIONS: (cont'd.)	<p>Participating Lender: A lender approved for participation in EFLIC by the CHEEF. Participating Lenders must be approved by the CHEEF pursuant to the standards in the EFLIC Guidelines, as may be modified from time to time, and must sign all agreements required by the CHEEF.</p> <p>PG&E Charges: Charges rendered by PG&E for electric and/or gas service, deposits and related charges approved by the CPUC. Loan Charges are not PG&E Charges.</p> <p>Qualified Measures: Improvements allowable under SFLP, as approved by the CPUC. Such measures are specified in the EFLIC Guidelines, are subject to CPUC approval, and may change from time to time.</p>	(N)
TERRITORY:	EFILC is available throughout PG&E's gas service area, subject to lender availability and participation.	
RATES:	All charges and provisions of the Customer's otherwise applicable rate schedule shall continue to apply. Each Loan Charge will appear as a separate line item (or multiple line items) on the Bill.	
CUSTOMER ELIGIBILITY:	<ol style="list-style-type: none">1. Customer must apply for and accept an Eligible Loan with a Participating Lender during the pilot period and authorize PG&E to include the Loan Charges on his/her Bill.2. Customers must be current on their PG&E Charges (i.e. not in default or in arrears).3. Customer must purchase and install Qualified Measures funded through the Eligible Loan at a Premise owned by the Customer that is associated with the Customer's PG&E Service Account.4. If Qualified Measures are primarily installed to reduce usage of natural gas, Customer must be a gas transportation Customer of PG&E for the Premises where the Qualified Measures are installed.	
BILLING AND PAYMENT OF LOAN CHARGES:	<ol style="list-style-type: none">1. PG&E is authorized to include Loan Charges on a Bill until the Eligible Loan is fully repaid and discharged. PG&E will include the Loan Charges as a line item or items on the Customer's Bill as calculated and transmitted by the Participating Lender and communicated to PG&E by the CHEEF. PG&E may rely on instructions received from the CHEEF and its agents and is not required to verify the amount of the Loan Charges or undertake any other verification or inquiry with respect to the transactions giving rise to the Loan Charges. The Loan Charges may vary from month to month based on the Eligible Loan terms. A participating lender is responsible for the calculation of Loan Charges due and submitting that information to PG&E.	(N)

(Continued)



GAS SCHEDULE G-EFLIC
ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT

Sheet 3

**BILLING AND
PAYMENT OF
LOAN CHARGES:
(cont'd.)**

2. PG&E will include or remove Loan Charges on the Bill pursuant to instructions received from the CHEEF. Participating Lenders shall inform the CHEEF if the Customer has initiated a dispute resolution process under the terms of the Eligible Loan. The CHEEF may instruct PG&E to remove Loan Charges from the Bill pending the resolution of any dispute between a Customer and Participating Lender. A Customer may also be removed from the pilot by the CHEEF or PG&E if the Customer fails to pay in full the entire amount due on the Bill for two or more payments. If PG&E receives instructions from the CHEEF to remove Loan Charges, PG&E will remove such charges from the Bill no later than the second billing cycle after such instructions are received. All collection and enforcement action with respect to an Eligible Loan shall be and remain the responsibility of the Participating Lender. If a Customer is removed from the pilot, PG&E will discontinue billing for Loan Charges. Responsibility for the collection of these delinquent charges shall be upon the Participating Lender. (N)
3. Customer shall pay the Loan Charges along with all other charges on the Bill and in accordance with the payment terms applicable to the Bill. All payments shall be made to PG&E. PG&E will apply payment amounts according to payment prioritization rules, as described below, and forward allocated Loan Charge payments received to the CHEEF or its designee.
4. If PG&E does not issue Customer a Bill because of either voluntary or involuntary termination of PG&E service, PG&E shall notify the CHEEF within 30 days of service disconnection. On and after such notification, PG&E will have no further responsibility for collecting and remitting Loan Charges.
5. Partial Payment: Utility's billing system applies partial payment to the components of the bill in accordance with existing Rules. Payments will be applied to past due EFLIC Charges prior to current charges.

If a Customer makes only partial payment on a Bill, the partial payment will be applied to the following components of the Bill according to the priority of these components:

- a) Utility charges, which include utility service and credit establishment charges.
- b) Energy-related charges, which include charges based on energy consumption and tariff schedules.
- c) Other applicable products and services charges, which include all other services billed by the Utility such as Loan charges.
6. Declaration of Event of Default Under Loan Agreement: If the Participating Lender elects to declare an event of default under the Loan Agreement and demands immediate repayment of the entire principal and interest amounts outstanding (acceleration of loan repayment), the Participating Lender must immediately inform the CHEEF of such an election. The CHEEF shall instruct PG&E to remove all Loan Charges from the Bill. The Participating Lender shall be fully responsible for collecting all further amounts due under the Loan Agreement from the Customer. (N)

(Continued)



GAS SCHEDULE G-EFLIC
ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT

Sheet 4

**BILLING AND
PAYMENT OF
LOAN CHARGES:**
(cont'd.)

7. Customer Bankruptcy: If a Customer files a petition for bankruptcy protection under the United States Bankruptcy Code, PG&E, upon notice, shall remove all Loan Charges from the Bill. The Participating Lender shall be fully responsible for collecting all further amounts due under the Loan Agreement from the Customer. (N)
8. Security Deposit: If Customer has or is required to provide a security deposit to establish or re-establish credit with PG&E in order to connect or reconnect service, the Loan Charges will not be included in the calculation of the security deposit pursuant to Rule 6. The Security Deposit and interest earned on the deposit, if any, will not apply to delinquent or current Loan Charges and Participating Lender will have no claim on or interest in the Security Deposit and interest earned on the deposit, if any. (N)
9. Prepayment of Loan or Loan Charges: PG&E is not responsible for collecting, receiving or remitting any amounts to be attributable to prepayment of Customer's Eligible Loan or Loan Charges. If, in accordance with the Loan Agreement, the Customer elects to pay some or all of the outstanding Eligible Loan balance independent of the Loan Charge, the Customer must send such payment directly to the Participating Lender, rather than to PG&E. Any such repayments paid directly to PG&E may, at PG&E's sole discretion, be applied to subsequent PG&E Charges and Loan Charges and PG&E shall have no obligation to credit such prepayments exclusively to subsequent Loan Charges. (N)
10. In the event the Customer ceases to be the PG&E Customer of record at the Premises where the Qualified Measures funded by proceeds from the Eligible Loan are installed, PG&E will have no further obligation to collect the Loan Charges and will discontinue billing for Loan Charges. The obligation to pay the Loan Charge may not be transferred or assigned to the subsequent occupant of the Premise and the Customer remains obligated to pay the Eligible Loan. (N)
11. Bill Impacts: Loan Charges may increase the amount of the Bill. The Loan Charges may or may not be offset in whole or in part by a reduction in Customer's energy usage resulting from the installation of Qualified Measures and Customer shall not be entitled to claim any reduction in Loan Charges based on the extent to which Qualified Measures achieve their anticipated benefits. The Loan Charges must be paid by Customer whether or not the Qualified Measures result in a reduction in Customer's energy usage or Bill savings. Utility disclaims any warranty including warranty of merchantability or fitness for a particular purpose regarding any Qualified Measures. (N)
12. Loan Disclosures: Nothing in this Rate Schedule shall relieve Participating Lenders from any obligation by law to make disclosures or to provide periodic statements or other information to Customers with respect to Eligible Loans. PG&E assumes no responsibility with respect to such disclosures and reporting by virtue of providing billing services pursuant to this Rate Schedule. (N)

(Continued)

Advice Letter No: 3441-G
Decision No. 13-09-044

Issued by
Brian K. Cherry
Vice President
Regulatory Relations

Date Filed	December 19, 2013
Effective	June 26, 2014
Resolution No.	



GAS SCHEDULE G-EFLIC

Sheet 5

ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT

REQUIRED AGREEMENTS:

1. Loan Agreement: Customers must execute a Loan Agreement with a Participating Lender which specifies the repayment obligations in accordance with the EFLIC Guidelines and any other associated agreements required by the Participating Lender. (N)
2. Customer Billing Agreement: Customers must sign a "Authorization to Add Loan Charges to Utility Bill (Residential)" (Gas/Electric Sample Form 79-1156) with PG&E that specifies the terms and conditions under which PG&E will include the Loan Charges.
3. Customer must sign Gas Sample Form 79-1095 "Authorization to Receive Customer Information or Act Upon a Customer's Behalf" or Gas Sample Form 79-1096 "Authorization to Receive Customer Information or Act Upon a Customer's Behalf (Spanish)" to provide the CHEEF and a Participating Lender authorization to access customer billing information.

BILLING INQUIRIES OR DISPUTES:

1. Customer inquiries concerning PG&E Charges should be directed to PG&E.
2. Customer inquiries concerning Loan Charges should be directed to the Participating Lender.
3. Where the Customer disputes its obligations to pay a Loan Charge, the dispute shall be resolved between the Customer and the Participating Lender and PG&E shall not be a party to the dispute. Utility will continue to include the EFLIC Charge on the Bill pending dispute resolution unless otherwise instructed by the CHEEF or a court of competent jurisdiction. Customers with an EFLIC repayment dispute shall resolve it directly with PG&E or Participating Lender. If a Customer subsequently contacts the CHEEF, the Customer will be referred to the CPUC's Consumer Affairs Branch (CAB) for assistance through its dispute resolution process. Disputes with the Participating Lender regarding any terms of the Eligible Loan must be resolved directly with the Participating Lender and cannot be resolved by CAB. (N)

LIABILITY IN CONNECTION WITH LOAN CHARGES AND CONDUCT BY PARTICIPATING LENDERS, LESSORS, CONTRACTORS, AND SERVICE PROVIDERS:

PG&E or its agents shall not be liable to Customer for any damages caused by Participating Lender's failure to perform any commitment to the Customer or misrepresentation to the Customer. The amount of the Loan Charges shall be provided to PG&E by the CHEEF. PG&E shall not be liable to Customer if the amount of such charges is inaccurate in any way or contains charges that are in violation of the Loan Agreement or any state or federal laws. The Participating Lender is not PG&E's agent for any purpose by virtue of the billing procedures set forth in this Rate Schedule. PG&E shall not be liable to the Customer for any damages resulting from any acts, omissions, or representations made by a Participating Lender or a contractor or service provider in connection with soliciting Customers for Qualified Measures or for the Eligible Loan. (N)

(Continued)



GAS RULE NO. 9
RENDERING AND PAYMENT OF BILLS

Sheet 3

E. BILLS DUE ON PRESENTATION

Bills for gas service are due and payable upon presentation. Payments shall be received at the address imprinted on the payment stub attached to PG&E's bill, a business office of PG&E, or by an authorized agent of PG&E. Payments shall be made using the following options:

1. Cash, check, money order, or
2. Electronic data interchange (EDI) for commercial customers or recurring automatic bank debit (Wherein the customer requests the automatic monthly withdrawal of payment for utility services from a designated checking/banking account), or
3. Debit card, at the option of PG&E, prepaid purchase card (PG&E Gift Card), or an electronic funds transfer the customer initiates through a third party (A transfer or transaction fee over and above the PG&E bill amount may be charged to the customer by a third-party vendor for these services), or
4. Debit card, credit card, or PG&E Gift Card payment(s) where the customer initiates through a third party (A transfer or transaction fee over and above the PG&E bill amount may be charged to the customer by a third-party vendor for these services). These services are available through a third party operated pay-by-phone service, authorized bill payment kiosk, authorized gift card merchant or PG&E online. PG&E Gift Cards may be used for a one-time payment through an authorized gift card merchant. The debit card and credit card options include a one-time payment option through authorized bill payment kiosks, and both a one-time payment and a recurring billing payment option through a pay-by-phone service or PG&E online. The recurring payment option is contingent upon the PG&E customer submitting and maintaining a valid email address and expressly agreeing via email to the suppression of all future paper bills in a manner consistent with the requirements of Rule 9 (L), or
5. By other means mutually agreeable to PG&E and the customer.

If a Customer makes only partial payment on a bill, the partial payment received will be allocated among the following components of the bill in proportion to the amount owed on each or as otherwise specified in PG&E tariffs (utility users taxes will be treated in accordance with current utility procedures and are not subject to this section). The bill components include PG&E Charges, energy-related charges, and other applicable products and services charges. Customer failure to pay any of the components set forth herein, except residential customer third-party products and services, or as otherwise specified in PG&E tariffs, will be subject to service termination as set forth in Rule 11. (T)

(Continued)



Pacific Gas and Electric Company
San Francisco, California
U 39

Cancelling

Original

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

30935-G

GAS SAMPLE FORM 79-1156
AUTHORIZATION TO ADD LOAN CHARGES TO UTILITY BILL (Residential)

Sheet 1 (N)
(N)

Please Refer to Attached
Sample Form

Advice Letter No: 3441-G
Decision No. 13-09-044

Issued by
Brian K. Cherry
Vice President
Regulatory Relations

Date Filed December 19, 2013
Effective June 26, 2014
Resolution No.

AUTHORIZATION TO ADD LOAN CHARGES TO UTILITY BILL (Residential)

You have applied for, or have received, a loan to finance energy efficiency improvements to your residence under the Single Family Loan Program, approved by the California Public Utilities Commission. The loan is being made by the financial institution described below. By signing this agreement, you give your consent to allow PG&E to include monthly loan repayment charges in your monthly utility bill, pursuant to PG&E's Energy Financing Line Item Charge (EFLIC) Gas and Electric Rate Schedules, and you agree to pay those charges, on the terms described below.

In this document:

"You" means you, the customer(s) signing this authorization.

"Lender" means the financial institution shown as the Lender in the Account Information section below.

"Service Address(es)" means the property or properties serviced by PG&E as shown in the Account Information section below.

"Loan Charges" means any and all principal, interest and other charges and fees payable by you in connection with your loan, as determined by Lender, including fees for late or deficient payments.

- 1. Authorization to Bill Loan Charges.** You authorize PG&E to include Loan Charges in your PG&E utility bills for the Service Address(es) until further notice. The Lender will determine the amount of the Loan Charge that is to be included in each bill, and PG&E will include that amount in your utility bill. PG&E does not verify the Loan Charges and other information provided by the Lender. The Loan Charges may increase or decrease from month to month based on the terms of the loan, the inclusion of late charges and interest, in accordance with the loan terms, and variations in the periods of time covered by each PG&E billing cycle.
- 2. Payment.** You agree to pay the Loan Charges along with the other charges in your utility bill by the due date for payment of the utility bill. All payments should be made to PG&E. PG&E will forward your Loan Charge payments to the Lender. If a funding account for the PG&E payment is a credit card or checking account, PG&E will not forward your payment of Loan Charges to the Lender unless that account has sufficient available credit to pay the full amount of the energy charges and the Loan Charges. If your funding account closes or is restricted for any reason, all pending payments to the Lender associated with the account will be cancelled and it is your sole responsibility to make all pending and future payments to the Lender.
- 3. Partial Payments.** Partial payment applies to the components of the bill in accordance with existing Rules. Payments will be applied to past due Loan Charges prior to current charges. If you make a partial payment on your utility bill, the partial payment will be applied to the following components of the utility bill according to the priority of these components: (a) Utility charges, which include utility service and credit establishment charges; (b) Energy-related charges, which include charges based on energy consumption and tariff schedules; (c) Other applicable products and services charges, which include all other services billed by the Utility such as Loan Charges.

If you do not pay the Loan Charges in full, PG&E may elect to stop billing you for Loan Charges in which case the Lender will be responsible for collecting any unpaid Loan Charges and future loan payments from you. The Lender will notify you if PG&E ceases to include Loan Charges in your utility bill. Please note that if PG&E stops billing you for Loan Charges before the Loan is paid in full, you are still responsible for making loan payments directly to the Lender. Late payments may be subject to reporting to credit agencies by the Lender.

If you pay less than the total amount of your utility bill for two months, your Loan Charges may be removed from your utility bill. However, you are still responsible for paying any additional amounts due directly to your Lender.

- 4. Overpayments.** Overpayments will be applied to the amounts due currently or in the future to PG&E for energy charges and will not be applied to the Loan Charges. If you want to prepay Loan Charges, you must send the prepayment directly to your Lender.
- 5. Billing Inquiries and Disputes.** If you have any questions about your loan or the Loan Charges, including any concerns that you may have been incorrectly charged, please contact the Lender at the number shown in the Account Information section below. Any disputes about your loan or the Loan Charges must be resolved between you and the Lender in

AUTHORIZATION TO ADD LOAN CHARGES TO UTILITY BILL (Residential)

accordance with your loan documentation and applicable law. PG&E will not be involved in resolving such disputes. Questions about the energy charges on your utility bill should be directed to PG&E at the number shown on the bill.

6. **Jurisdiction.** This agreement at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction.
7. **Authorization to Release Information.** You authorize PG&E to disclose the following information about your account to the Lender to facilitate the loan repayment procedures described above: billing and payment history relating to your Loan Charges. Additional forms to authorize the releases of this information will be required.
8. **PG&E not Liable for Efficiency Improvements and Loan Process.** PG&E is not involved in the energy efficiency improvements to your residence, the assessment of potential benefits and costs associated with the improvements, or Lender's loan procedures. You acknowledge that PG&E does not accept any responsibility for the improvements, the anticipated energy efficiencies or other benefits, or for any aspect of the loan process. Utility also disclaims any warranty including the warranty of merchantability or fitness for a particular purpose regarding any improvements. Any questions or claims regarding those matters should be directed to the Lender or to the installation contractor.

ACCOUNT INFORMATION *(Please Print or Type)*

CUSTOMER DETAILS¹

Name: _____

Address: _____

Name: _____

Address: _____

Name: _____

Address: _____

LENDER AND LOAN INFORMATION

Name of Lender: _____

Address: _____

Lender's contact number: _____

Loan Number: _____

Principal amount of Loan: _____

[other identifying information] _____

¹ If there is more than one customer of record for a Service Address, all customers must complete and sign this form.

AUTHORIZATION TO ADD LOAN CHARGES TO UTILITY BILL (Residential)

SERVICE ADDRESSES INCLUDED IN THIS AUTHORIZATION:

1.	SERVICE ADDRESS	CITY	PG&E ACCOUNT NUMBER
2.	SERVICE ADDRESS	CITY	PG&E ACCOUNT NUMBER
3.	SERVICE ADDRESS	CITY	PG&E ACCOUNT NUMBER

By signing below, You hereby authorize PG&E to add Loan Charges to Your utility bills for the Service Address(es) shown above.

AUTHORIZED CUSTOMER SIGNATURE				TELEPHONE NUMBER	
Executed this	_____	day of	_____	MONTH	YEAR
at _____ CITY AND STATE WHERE EXECUTED					

ADDITIONAL AUTHORIZED CUSTOMER SIGNATURE				TELEPHONE NUMBER	
Executed this	_____	day of	_____	MONTH	YEAR
at _____ CITY AND STATE WHERE EXECUTED					

LENDER APPROVAL

Lender confirms that the Account Information shown above accords with Lender's records.

SIGNATURE				TELEPHONE NUMBER	
COMPANY					
Executed this	_____	day of	_____	MONTH	YEAR



Pacific Gas and Electric Company
San Francisco, California
U 39

Cancelling

Revised
Revised

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

30936-G*
30927-G

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Advice Letter No: 3441-G
Decision No. 13-09-044

Issued by
Brian K. Cherry
Vice President
Regulatory Relations

Date Filed December 19, 2013
Effective _____
Resolution No. _____



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(N)

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ATTACHMENT 1
Advice 4328-E

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ATTACHMENT 1
Advice 4328-E

Cal P.U.C.
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**Cancelling Cal
P.U.C. Sheet No.**

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Sheet 31



ELECTRIC SCHEDULE EFLIC
ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT

Sheet 1 (N)
(N)

APPLICABILITY: This Rate Schedule is applicable to electric service to Residential Customers who meet the eligibility criteria specified in Section CUSTOMER ELIGIBILITY below, and receive service under a PG&E electric rate Schedule. (N)

The Energy Financing Line-Item Charge (EFLIC) Pilot facilitates repayment of loans from Participating Lenders to Customers through the Customer's Energy Statement (Bill). The loans between residential Customers and Participating Lenders are used to finance the installation of energy efficiency improvements. Only payments on Eligible Loans from Participating Lenders may be incorporated into a Customer's Bill.

EFLIC is available for loans funded and closed by the lender through the EE Finance Pilots Single Family Loan Program (SFLP), on or before December 31, 2015 or as otherwise directed by the California Public Utilities Commission (CPUC). PG&E will bill for these funded and closed loans for the duration of the original loan term. PG&E may cease billing Customer for Loan Charges before the final loan payment is due to the Participating Lender, as discussed in Section BILLING AND PAYMENT OF LOAN CHARGES below.

DEFINITIONS: The definitions of capitalized terms used in this Rate Schedule are either defined in this Rate Schedule, in Electric Rule 1 Definitions, or in EFLIC Guidelines, as defined below. Unless otherwise stated, all references to "Customer" in this Rate Schedule will refer to PG&E Customers who have elected to participate in EFLIC.

California Hub for Energy Efficiency Financing (CHEEF): a central enabling entity through which energy users, financial institutions, energy efficiency providers, and utilities can participate in a pilot to help finance the installation of Qualified Measures. The CHEEF may act through agents and third-party-service providers.

Energy Finance Line Item Charge (EFLIC): A process whereby charges for a Loan Agreement are included in a Customer's Bill, to be paid to PG&E with the Utility Charges. Loan Charge payments will be forwarded to the Participating Lender.

EFLIC Guidelines: Requirements for participation in EFLIC will be established in the EFLIC Program Implementation Plan approved by the CPUC.

Eligible Loan: A contractual financial arrangement from a Participating Lender to a Customer for an energy efficiency upgrade in the Single Family Loan Program (SFLP) for which PG&E is collecting the payments on the Bill. EFLIC is a payment option under SFLP.

Loan Agreement: A written agreement between a Customer and a Participating Lender to finance Customer's purchase and installation of Qualified Measures at a Customer Premise owned and occupied by Customer. The named person(s) on the loan must also be the named person(s) on the PG&E Bill on which the loan will be repaid.

Loan Charge: Amounts due during a billing period from a Customer to a Participating Lender for an Eligible Loan, including principal and any interest, late fees, late payments, and any other fees as calculated by the Participating Lender pursuant to the Loan Agreement. (N)

(Continued)



ELECTRIC SCHEDULE EFLIC
ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT

Sheet 2

DEFINITIONS: (cont'd.)	<p>Participating Lender: A lender approved for participation in EFLIC by the CHEEF. Participating Lenders must be approved by the CHEEF pursuant to the standards in the EFLIC Guidelines, as may be modified from time to time, and must sign all agreements required by the CHEEF.</p> <p>PG&E Charges: Charges rendered by PG&E for electric and/or gas service, deposits and related charges approved by the CPUC. Loan Charges are not PG&E Charges.</p> <p>Qualified Measures: Improvements allowable under SFLP, as approved by the CPUC. Such measures are specified in the EFLIC Guidelines, are subject to CPUC approval, and may change from time to time.</p>	(N)
TERRITORY:	EFLIC is available throughout PG&E's electric service area, subject to lender availability and participation.	
RATES:	All charges and provisions of the Customer's otherwise applicable rate schedule shall continue to apply. Each Loan Charge will appear as a separate line item (or multiple line items) on the Bill.	
CUSTOMER ELIGIBILITY:	<ol style="list-style-type: none">1. Customer must apply for and accept an Eligible Loan with a Participating Lender during the pilot period and authorize PG&E to include the Loan Charges on his/her Bill.2. Customers must be current on their PG&E Charges (i.e. not in default or in arrears).3. Customer must purchase and install Qualified Measures funded through the Eligible Loan at a Premise owned by the Customer that is associated with the Customer's PG&E Service Account.4. If Qualified Measures are primarily installed to reduce electric usage, demand, Customer must be an electric distribution Customer of PG&E for the Premises where the Qualified Measures are installed.	
BILLING AND PAYMENT OF LOAN CHARGES:	<ol style="list-style-type: none">1. PG&E is authorized to include Loan Charges on a Bill until the Eligible Loan is fully repaid and discharged. PG&E will include the Loan Charges as a line item or items on the Customer's Bill as calculated and transmitted by the Participating Lender and communicated to PG&E by the CHEEF. PG&E may rely on instructions received from the CHEEF and its agents and is not required to verify the amount of the Loan Charges or undertake any other verification or inquiry with respect to the transactions giving rise to the Loan Charges. The Loan Charges may vary from month to month based on the Eligible Loan terms. A participating lender is responsible for the calculation of Loan Charges due and submitting that information to PG&E.	(N)

(Continued)



ELECTRIC SCHEDULE EFLIC
ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT

Sheet 3

**BILLING AND
PAYMENT OF
LOAN CHARGES:
(cont'd.)**

2. PG&E will include or remove Loan Charges on the Bill pursuant to instructions received from the CHEEF. Participating Lenders shall inform the CHEEF if the Customer has initiated a dispute resolution process under the terms of the Eligible Loan. The CHEEF may instruct PG&E to remove Loan Charges from the Bill pending the resolution of any dispute between a Customer and Participating Lender. A Customer may also be removed from the pilot by the CHEEF or PG&E if the Customer fails to pay in full the entire amount due on the Bill for two or more payments. If PG&E receives instructions from the CHEEF to remove Loan Charges, PG&E will remove such charges from the Bill no later than the second billing cycle after such instructions are received. All collection and enforcement action with respect to an Eligible Loan shall be and remain the responsibility of the Participating Lender. If a Customer is removed from the pilot, PG&E will discontinue billing for Loan Charges. Responsibility for the collection of these delinquent charges shall be upon the Participating Lender. (N)
3. Customer shall pay the Loan Charges along with all other charges on the Bill and in accordance with the payment terms applicable to the Bill. All payments shall be made to PG&E. PG&E will apply payment amounts according to payment prioritization rules, as described below, and forward allocated Loan Charge payments received to the CHEEF or its designee.
4. If PG&E does not issue Customer a Bill because of either voluntary or involuntary termination of PG&E service, PG&E shall notify the CHEEF within 30 days of service disconnection. On and after such notification, PG&E will have no further responsibility for collecting and remitting Loan Charges.
5. Partial Payment: Utility's billing system applies partial payment to the components of the bill in accordance with existing Rules. Payments will be applied to past due EFLIC Charges prior to current charges.

If a Customer makes only partial payment on a Bill, the partial payment will be applied to the following components of the Bill according to the priority of these components:

- a) Utility charges, which include utility service and credit establishment charges.
- b) Energy-related charges, which include charges based on energy consumption and tariff schedules.
- c) Other applicable products and services charges, which include all other services billed by the Utility such as Loan charges.
6. Declaration of Event of Default Under Loan Agreement: If the Participating Lender elects to declare an event of default under the Loan Agreement and demands immediate repayment of the entire principal and interest amounts outstanding (acceleration of loan repayment), the Participating Lender must immediately inform the CHEEF of such an election. The CHEEF shall instruct PG&E to remove all Loan Charges from the Bill. The Participating Lender shall be fully responsible for collecting all further amounts due under the Loan Agreement from the Customer. (N)

(Continued)



ELECTRIC SCHEDULE EFLIC
ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT

Sheet 4

**BILLING AND
PAYMENT OF
LOAN CHARGES:**
(cont'd.)

7. Customer Bankruptcy: If a Customer files a petition for bankruptcy protection under the United States Bankruptcy Code, PG&E, upon notice, shall remove all Loan Charges from the Bill. The Participating Lender shall be fully responsible for collecting all further amounts due under the Loan Agreement from the Customer. (N)
8. Security Deposit: If Customer has or is required to provide a security deposit to establish or re-establish credit with PG&E in order to connect or reconnect service, the Loan Charges will not be included in the calculation of the security deposit pursuant to Rule 6. The Security Deposit and interest earned on the deposit, if any, will not apply to delinquent or current Loan Charges and Participating Lender will have no claim on or interest in the Security Deposit and interest earned on the deposit, if any. (N)
9. Prepayment of Loan or Loan Charges: PG&E is not responsible for collecting, receiving or remitting any amounts to be attributable to prepayment of Customer's Eligible Loan or Loan Charges. If, in accordance with the Loan Agreement, the Customer elects to pay some or all of the outstanding Eligible Loan balance independent of the Loan Charge, the Customer must send such payment directly to the Participating Lender, rather than to PG&E. Any such repayments paid directly to PG&E may, at PG&E's sole discretion, be applied to subsequent PG&E Charges and Loan Charges and PG&E shall have no obligation to credit such prepayments exclusively to subsequent Loan Charges. (N)
10. In the event the Customer ceases to be the PG&E Customer of record at the Premises where the Qualified Measures funded by proceeds from the Eligible Loan are installed, PG&E will have no further obligation to collect the Loan Charges and will discontinue billing for Loan Charges. The obligation to pay the Loan Charge may not be transferred or assigned to the subsequent occupant of the Premise and the Customer remains obligated to pay the Eligible Loan. (N)
11. Bill Impacts: Loan Charges may increase the amount of the Bill. The Loan Charges may or may not be offset in whole or in part by a reduction in Customer's energy usage resulting from the installation of Qualified Measures and Customer shall not be entitled to claim any reduction in Loan Charges based on the extent to which Qualified Measures achieve their anticipated benefits. The Loan Charges must be paid by Customer whether or not the Qualified Measures result in a reduction in Customer's energy usage or Bill savings. Utility disclaims any warranty including warranty of merchantability or fitness for a particular purpose regarding any Qualified Measures. (N)
12. Loan Disclosures: Nothing in this Rate Schedule shall relieve Participating Lenders from any obligation by law to make disclosures or to provide periodic statements or other information to Customers with respect to Eligible Loans. PG&E assumes no responsibility with respect to such disclosures and reporting by virtue of providing billing services pursuant to this Rate Schedule. (N)

(Continued)

Advice Letter No: 4328-E
Decision No. 13-09-044

Issued by
Brian K. Cherry
Vice President
Regulatory Relations

Date Filed	December 19, 2013
Effective	June 26, 2014
Resolution No.	



ELECTRIC SCHEDULE EFLIC
ENERGY FINANCING LINE ITEM CHARGE (EFLIC) PILOT

Sheet 5

REQUIRED AGREEMENTS:

1. Loan Agreement: Customers must execute a Loan Agreement with a Participating Lender which specifies the repayment obligations in accordance with the EFLIC Guidelines and any other associated agreements required by the Participating Lender. (N)
2. Customer Billing Agreement: Customers must sign a "*Authorization to Add Loan Charges to Utility Bill (Residential)*" (Gas/Electric Sample Form 79-1156) with PG&E that specifies the terms and conditions under which PG&E will include the Loan Charges.
3. Customer must sign Electric Sample Form 79-1095 "*Authorization to Receive Customer Information or Act Upon a Customer's Behalf*" or Electric Sample Form 79-1096 "*Authorization to Receive Customer Information or Act Upon a Customer's Behalf (Spanish)*" to provide the CHEEF and a Participating Lender authorization to access customer billing information.

BILLING INQUIRIES OR DISPUTES:

1. Customer inquiries concerning PG&E Charges should be directed to PG&E.
2. Customer inquiries concerning Loan Charges should be directed to the Participating Lender.
3. Where the Customer disputes its obligations to pay a Loan Charge, the dispute shall be resolved between the Customer and the Participating Lender and PG&E shall not be a party to the dispute. Utility will continue to include the EFLIC Charge on the Bill pending dispute resolution unless otherwise instructed by the CHEEF or a court of competent jurisdiction. Customers with an EFLIC repayment dispute shall resolve it directly with PG&E or Participating Lender. If a Customer subsequently contacts the CHEEF, the Customer will be referred to the CPUC's Consumer Affairs Branch (CAB) for assistance through its dispute resolution process. Disputes with the Participating Lender regarding any terms of the Eligible Loan must be resolved directly with the Participating Lender and cannot be resolved by CAB. (N)

LIABILITY IN CONNECTION WITH LOAN CHARGES AND CONDUCT BY PARTICIPATING LENDERS, LESSORS, CONTRACTORS, AND SERVICE PROVIDERS:

PG&E or its agents shall not be liable to Customer for any damages caused by Participating Lender's failure to perform any commitment to the Customer or misrepresentation to the Customer. The amount of the Loan Charges shall be provided to PG&E by the CHEEF. PG&E shall not be liable to Customer if the amount of such charges is inaccurate in any way or contains charges that are in violation of the Loan Agreement or any state or federal laws. The Participating Lender is not PG&E's agent for any purpose by virtue of the billing procedures set forth in this Rate Schedule. PG&E shall not be liable to the Customer for any damages resulting from any acts, omissions, or representations made by a Participating Lender or a contractor or service provider in connection with soliciting Customers for Qualified Measures or for the Eligible Loan. (N)

(Continued)



ELECTRIC RULE NO. 9
RENDERING AND PAYMENT OF BILLS

Sheet 3

E. BILLS DUE ON PRESENTATION

Bills for electric service are due and payable upon presentation. Payments shall be received at the address imprinted on the payment stub attached to PG&E's bill, a business office of PG&E, or by an authorized agent of PG&E. Payments shall be made using the following options:

1. Cash, check, money order, or
2. Electronic data interchange (EDI) for commercial customers or recurring automatic bank debit (Wherein the customer requests the automatic monthly withdrawal of payment for utility services from a designated checking/banking account), or
3. Debit card, at the option of PG&E, prepaid purchase card (PG&E Gift Card), or an electronic funds transfer the customer initiates through a third party (A transfer or transaction fee over and above the PG&E bill amount may be charged to the customer by a third-party vendor for these services), or
4. Debit card, credit card, or PG&E Gift Card payment(s) where the customer initiates through a third party (A transfer or transaction fee over and above the PG&E bill amount may be charged to the customer by a third-party vendor for these services). These services are available through a third party operated pay-by-phone service, authorized bill payment kiosk, authorized gift card merchant or PG&E online. PG&E Gift Cards may be used for a one-time payment through an authorized gift card merchant. The debit card and credit card options include a one-time payment option through authorized bill payment kiosks, and both a one-time payment and a recurring billing payment option through a pay-by-phone service or PG&E online. The recurring payment option is contingent upon the PG&E customer submitting and maintaining a valid email address and expressly agreeing via email to the suppression of all future paper bills in a manner consistent with the requirements of Rule 9 (L), or
5. By other means mutually agreeable to PG&E and the customer.

If a Customer makes only partial payment on a bill, the partial payment received will be allocated among the following components of the bill in proportion to the amount owed on each or as otherwise specified in PG&E tariffs (utility users taxes will be treated in accordance with current utility procedures and are not subject to this section). The bill components include PG&E charges, CTC charges, and other energy-related charges. Customer failure to pay any of the components set forth herein, except residential customer third-party products and services, or as otherwise specified in PG&E tariffs, will be subject to service termination as set forth in Rule 11. (T) (T) (T)

(Continued)



Pacific Gas and Electric Company
San Francisco, California
U 39

Cancelling

Original

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

33260-E

ELECTRIC SAMPLE FORM 79-1156
AUTHORIZATION TO ADD LOAN CHARGES TO UTILITY BILL (Residential)

Sheet 1 (N)
(N)

Please Refer to Attached
Sample Form

Advice Letter No: 4328-E
Decision No. 13-09-044

Issued by
Brian K. Cherry
Vice President
Regulatory Relations

Date Filed December 19, 2013
Effective June 26, 2014
Resolution No.

AUTHORIZATION TO ADD LOAN CHARGES TO UTILITY BILL (Residential)

You have applied for, or have received, a loan to finance energy efficiency improvements to your residence under the Single Family Loan Program, approved by the California Public Utilities Commission. The loan is being made by the financial institution described below. By signing this agreement, you give your consent to allow PG&E to include monthly loan repayment charges in your monthly utility bill, pursuant to PG&E's Energy Financing Line Item Charge (EFLIC) Gas and Electric Rate Schedules, and you agree to pay those charges, on the terms described below.

In this document:

"You" means you, the customer(s) signing this authorization.

"Lender" means the financial institution shown as the Lender in the Account Information section below.

"Service Address(es)" means the property or properties serviced by PG&E as shown in the Account Information section below.

"Loan Charges" means any and all principal, interest and other charges and fees payable by you in connection with your loan, as determined by Lender, including fees for late or deficient payments.

- 1. Authorization to Bill Loan Charges.** You authorize PG&E to include Loan Charges in your PG&E utility bills for the Service Address(es) until further notice. The Lender will determine the amount of the Loan Charge that is to be included in each bill, and PG&E will include that amount in your utility bill. PG&E does not verify the Loan Charges and other information provided by the Lender. The Loan Charges may increase or decrease from month to month based on the terms of the loan, the inclusion of late charges and interest, in accordance with the loan terms, and variations in the periods of time covered by each PG&E billing cycle.
- 2. Payment.** You agree to pay the Loan Charges along with the other charges in your utility bill by the due date for payment of the utility bill. All payments should be made to PG&E. PG&E will forward your Loan Charge payments to the Lender. If a funding account for the PG&E payment is a credit card or checking account, PG&E will not forward your payment of Loan Charges to the Lender unless that account has sufficient available credit to pay the full amount of the energy charges and the Loan Charges. If your funding account closes or is restricted for any reason, all pending payments to the Lender associated with the account will be cancelled and it is your sole responsibility to make all pending and future payments to the Lender.
- 3. Partial Payments.** Partial payment applies to the components of the bill in accordance with existing Rules. Payments will be applied to past due Loan Charges prior to current charges. If you make a partial payment on your utility bill, the partial payment will be applied to the following components of the utility bill according to the priority of these components: (a) Utility charges, which include utility service and credit establishment charges; (b) Energy-related charges, which include charges based on energy consumption and tariff schedules; (c) Other applicable products and services charges, which include all other services billed by the Utility such as Loan Charges.

If you do not pay the Loan Charges in full, PG&E may elect to stop billing you for Loan Charges in which case the Lender will be responsible for collecting any unpaid Loan Charges and future loan payments from you. The Lender will notify you if PG&E ceases to include Loan Charges in your utility bill. Please note that if PG&E stops billing you for Loan Charges before the Loan is paid in full, you are still responsible for making loan payments directly to the Lender. Late payments may be subject to reporting to credit agencies by the Lender.

If you pay less than the total amount of your utility bill for two months, your Loan Charges may be removed from your utility bill. However, you are still responsible for paying any additional amounts due directly to your Lender.

- 4. Overpayments.** Overpayments will be applied to the amounts due currently or in the future to PG&E for energy charges and will not be applied to the Loan Charges. If you want to prepay Loan Charges, you must send the prepayment directly to your Lender.
- 5. Billing Inquiries and Disputes.** If you have any questions about your loan or the Loan Charges, including any concerns that you may have been incorrectly charged, please contact the Lender at the number shown in the Account Information section below. Any disputes about your loan or the Loan Charges must be resolved between you and the Lender in

AUTHORIZATION TO ADD LOAN CHARGES TO UTILITY BILL (Residential)

accordance with your loan documentation and applicable law. PG&E will not be involved in resolving such disputes. Questions about the energy charges on your utility bill should be directed to PG&E at the number shown on the bill.

6. **Jurisdiction.** This agreement at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction.
7. **Authorization to Release Information.** You authorize PG&E to disclose the following information about your account to the Lender to facilitate the loan repayment procedures described above: billing and payment history relating to your Loan Charges. Additional forms to authorize the releases of this information will be required.
8. **PG&E not Liable for Efficiency Improvements and Loan Process.** PG&E is not involved in the energy efficiency improvements to your residence, the assessment of potential benefits and costs associated with the improvements, or Lender's loan procedures. You acknowledge that PG&E does not accept any responsibility for the improvements, the anticipated energy efficiencies or other benefits, or for any aspect of the loan process. Utility also disclaims any warranty including the warranty of merchantability or fitness for a particular purpose regarding any improvements. Any questions or claims regarding those matters should be directed to the Lender or to the installation contractor.

ACCOUNT INFORMATION *(Please Print or Type)*

CUSTOMER DETAILS¹

Name: _____

Address: _____

Name: _____

Address: _____

Name: _____

Address: _____

LENDER AND LOAN INFORMATION

Name of Lender: _____

Address: _____

Lender's contact number: _____

Loan Number: _____

Principal amount of Loan: _____

[other identifying information] _____

¹ If there is more than one customer of record for a Service Address, all customers must complete and sign this form.

AUTHORIZATION TO ADD LOAN CHARGES TO UTILITY BILL (Residential)

SERVICE ADDRESSES INCLUDED IN THIS AUTHORIZATION:

1.	SERVICE ADDRESS	CITY	PG&E ACCOUNT NUMBER
2.	SERVICE ADDRESS	CITY	PG&E ACCOUNT NUMBER
3.	SERVICE ADDRESS	CITY	PG&E ACCOUNT NUMBER

By signing below, You hereby authorize PG&E to add Loan Charges to Your utility bills for the Service Address(es) shown above.

AUTHORIZED CUSTOMER SIGNATURE				TELEPHONE NUMBER
Executed this	_____ day of	_____ MONTH	_____ YEAR	at _____ CITY AND STATE WHERE EXECUTED
ADDITIONAL AUTHORIZED CUSTOMER SIGNATURE				TELEPHONE NUMBER
Executed this	_____ day of	_____ MONTH	_____ YEAR	at _____ CITY AND STATE WHERE EXECUTED

LENDER APPROVAL

Lender confirms that the Account Information shown above accords with Lender's records.

SIGNATURE	TELEPHONE NUMBER			
COMPANY				
Executed this	_____ day of	_____ MONTH	_____ YEAR	



Pacific Gas and Electric Company
San Francisco, California
U 39

Cancelling

Revised
Revised

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

33261-E*
33252-E

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Advice Letter No: 4328-E
Decision No. 13-09-044

Issued by
Brian K. Cherry
Vice President
Regulatory Relations

Date Filed December 19, 2013
Effective _____
Resolution No. _____



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Attachment 2:
Energy Finance Line-Item Charge Pilot
Program Implementation Plan

2013 – 2015 Energy Efficiency Programs
Statewide Finance Pilot Sub-Program
Program Implementation Plan

- 1) Sub-Program Name: Energy Financing Line-Item Charge
- 2) Sub-Program ID number:
 - a. PG&E: PGE 210932
- 3) Type of Sub-Program: Core Third Party Partnership Pilot
- 4) Market sector or segment that this sub-program is designed to serve:

- a. Residential
 - i. Including Low Income? Yes No;
 - ii. Including Moderate Income? Yes No.
 - iii. Including or specifically Multifamily buildings Yes No.
 - iv. Including or specifically Rental units? Yes No.
- b. Commercial (List applicable NAIC codes: _____)
- c. Industrial (List applicable NAIC codes: _____)
- d. Agricultural (List applicable NAIC codes: _____)

- 5) Is this sub-program primarily a:
 - a. Non-resource program Yes No
 - b. Resource acquisition program Yes No
 - c. Market Transformation Program Yes No

- 6) Indicate the primary intervention strategies:
 - a. Upstream Yes No
 - b. Midstream Yes No
 - c. Downstream Yes No
 - d. Direct Install Yes No.
 - e. Non Resource Yes No

- 7) Projected Sub-program Total Resource Cost (TRC) and Program Administrator Cost (PAC)
TRC _____ PAC _____

TRC and PAC analyses are subject to the development, submission, and final California Public Utilities Commission (CPUC) disposition of the work paper submitted pursuant to D.13-09-044. The work paper contains the methodology for claiming incremental energy savings for Finance Pilot Programs. The Pilot's TRC and PAC will be studied during the pilot period and assessed ex-post.

8) Projected Sub-Program Budget

Table 1. Projected Sub-Program Budget, by Calendar Year¹

Sub-Program	Program Year			
	2013	2014	2015	Total
Admin/General Overhead (\$)	\$5,000	\$65,000	\$30,000	\$100,000
Direct Implementation (\$) ²	\$45,000	\$585,000	\$270,000	\$900,000
Credit Enhancements (\$)	\$0	\$0	\$0	\$0
Marketing & Outreach (\$) ³	\$0	\$0	\$0	\$0
Total IOU Budget	\$50,000	\$650,000	\$300,000	\$1,000,000

9) Sub-Program Description, Objectives and Theory

a. Program Description

The Energy Financing Line-Item Charge (EFLIC) is a sub-pilot of the Single Family Loan Program (SFLP) pilot and will be operated only in PG&E service territory.

The primary purpose of this sub-pilot is to test the attractiveness of an on-bill repayment option and its impact on loan performance of Residential SFLP loans.

The EFLIC pilot will be offered only by PG&E during the 2013 – 2015 program cycle.

The goal of offering EFLIC is to evaluate whether an IOU can offer a mechanism for financial institutions to charge residential customers for energy efficiency loans on their utility bills in a manner that does not expose the IOU to unmanageable consumer lending regulation. EFLIC will test the following:

- Does EFLIC offer improved security to financial institutions (FIs) to the extent that customers pay their utility bill on a regular basis?
- Does EFLIC provide new ways to integrate expanded access to capital to energy efficiency (EE) financing programs?

¹ Pursuant to the Decision, \$1 million was allocated to Pacific Gas & Electric Company (PG&E) to implement the EFLIC. Once the Master Servicer is fully functional, the \$25 million available for credit enhancement funds under the Single Family Loan Program will be available to cover the costs of implementing EFLIC for SFLP customers.

² Per the Energy Efficiency Policy Manual version 5.0, “Direct implementation costs are defined as ‘costs associated with activities that are a direct interface with the customer or program participant or recipient (e.g., contractor receiving training).’”

³ See Section 10h for further information regarding the Marketing & Outreach category, in particular with respect to coordination with Statewide ME&O. Due to the nature of EFLIC linking with SFLP, ME&O EFLIC efforts should be integrated.

- Does EFLIC help drive demand for energy improvements, to the extent that aligning loan repayment with energy savings overcomes consumer reluctance to invest in energy improvements?

EFLIC differs from non-residential On-Bill Repayment (OBR) in a number of key ways. EFLIC does not include a provision for shut-off in the event of non-payment. EFLIC is also not designed to encourage transferability of the loan to subsequent building occupants.

EFLIC will be governed by three main documents. The terms and conditions of EFLIC as described in this EFLIC PIP, PG&E's gas and electric EFLIC Rate Schedule, and the program regulations enacted by the California Advanced Energy and Alternative Transportation Financing Agency (CAEATFA) acting as the California Hub for Energy Efficiency Finance (CHEEF). The Rate Schedule will focus on customer issues, while the CHEEF regulations will include the specific guidelines for financial institutions.

As an early release pilot, there will be two phases of EFLIC. PG&E proposed working with the California Homebuyer's Fund (CHF) to implement the first phase of the pilot. EFLIC will be transferred to the CHEEF once the Master Servicer is under contract.

Phase 1 Testing. In a controlled environment, PG&E will test the functionality of EFLIC to identify and resolve any billing process issues and determine business requirements to be communicated to lenders. This phase will include a small number of participants and will be designed to allow PG&E and the implementation partner to test the process. The experience gathered from this Phase will allow for the development of more comprehensive business requirements for the full scale pilot, as well as ensure that the underlying information technology (IT) systems functionality is operating appropriately.

Phase 1 EFLIC offering through CHF. A key component of EFLIC relies on having a Master Servicer in place through the CHEEF. PG&E plans to operate EFLIC as suggested with a pre-development pilot, working with CHF until the CHEEF and the Master Servicer are in place. PG&E proposed partnering with CHF because of its current role administering the loan loss reserve for PG&E under the American Reinvestment and Recovery Act (ARRA) Continuation Program (ARRA Program). CHF also provides other services to the ARRA Program lenders such as verifying that energy efficiency projects meet utility eligibility requirements. CHF's intermediary role between lenders and the utility provides a viable avenue for operating Phase 1 of EFLIC and could yield valuable lessons that can be applied to the CHEEF's future management of EFLIC.

Differences between the CHF and CHEEF EFLIC offering. The EFLIC offering through CHF is envisioned to mirror the larger offering through the CHEEF, such that all lenders will have access to "similar terms and conditions" as specified by Decision 13-09-044 (p. 37).

There are however, some differences between the CHF and CHEEF EFLIC offerings. First, the CHEEF EFLIC offering must be linked to the Single Family Loan Program (SFLP). Since the SFLP is not anticipated to launch until the first quarter of 2014, the CHF EFLIC would be suited for using the existing ARRA Program loan loss reserve. PG&E will work with CHF and CAEATFA to ensure that the programs are as similar as possible. Details on the existing ARRA Continuation program can be found in the Pacific Gas and Electric Company 2013-2014 Energy Efficiency Portfolio Statewide Program Implementation Plan PGE2109 – Finance Program, dated April 23, 2013.

Phase 2 CHEEF EFLIC offering. The second phase of EFLIC is full implementation by CAEATFA as the acting CHEEF entity and its designated Master Servicer. At this time, the EFLIC will be linked to the SFLP. Financial Institutions wishing to participate in EFLIC must be participants of the SFLP and sign up for the program through the CHEEF.

Transition of the program from CHF to CHEEF. As required by Decision 13-09-044, EFLIC must be transferred to CAEATFA (p. 37). In order to execute on this requirement, PG&E will work with all involved parties, CHF, any lender(s) that CHF signs up, and the CHEEF to define and administer the transfer.

It should be noted that this complex program would involve commercial and contractual relationships. As such, any launch of an early phase to the pilot is sensitive to timing with respect to when agreements can be reached, when and how the program will be transferred, and the willingness of participants, particularly lenders, to invest in administrative costs in negotiating and setting up these pilots.

Availability of the EFLIC sub-pilot could be limited by availability of the specified implementation funds. The cost to process loans on the customer utility bill is currently unknown and better visibility will be obtained as the sub-pilot progresses. In order to avoid a situation where the funds are exhausted and the sub-pilot exceeds its budget, participation will be tracked and reported quarterly as noted in the Decision (p. 91).

Table 2. Projected Sub-Program Net Energy and Demand Impacts, by Calendar Year⁴

Sub-program Name	Program Years			Total
	2013	2014	2015	
GWh	N/A	TBD	TBD	TBD
Peak MW	N/A	TBD	TBD	TBD
Therms (millions)	N/A	TBD	TBD	TBD

* N/A = "not applicable." TBD = "to be determined." Savings for 2013 - 2015 will be subject to the disposition of the work paper submitted to the Commission for review.

b) Program Non-Energy Objectives:

- EFLIC will test the convenience of repayment through the utility bill, potentially provide useful data on residential utility bill loan repayment as alternative underwriting criteria, and advance the Commission's goals of leveraging private capital with ratepayer funds to expand access to EE financing in the Single Family residential sector.
- EFLIC could increase knowledge on business requirements on the compatibility of consumer lending with established utility billing practices.
- Improve customer satisfaction driven by an increase in capital for energy efficiency projects helping customers overcome the "first cost" key barrier.
- Improve the credibility of energy efficiency investments and provide economic benefits to the state via increased loan volume through a financing program supported by both Financial Institutions as well as the IOUs.

c) Cost Effectiveness/Market Need:

Since the finance pilots have energy and demand objectives, the methods contained in the Standard Practice Manual will be used to determine cost effectiveness.

⁴ Individual utility specific information to be provided in this table

d) Measure Savings/Work Papers:

Table 3: Work paper Status

#	Work paper Number/Measure Name	Approved	Pending Approval	Submitted but Awaiting Review
1	PGECOALL110			X

The IOUs submitted a work paper according to the process directed in D.13-09-044 containing a proposed methodology for claiming energy savings for financing pilot programs. Energy savings and demand impacts will be evaluated during the pilot period and assessed ex-post.

10) Program Implementation Details

a) Timelines:

Table 4: Sub-Program Milestones and Timeline

Test Phase

Milestone	Dates
Run live test phase	Jan 2014 – June 2014
PG&E shares knowledge of processes and operations with CHEEF/Master Servicer and IOUs	May 2014-July 2014
End test phase	June 2014

CHF EFLIC Phase

Milestone	Dates
Finalize EFLIC and Customer agreements	Nov 2013 – Jan 2014
PG&E Internal IT setup and Call Center planning	Nov 2013 – Jan 2014
Begin outreach and recruitment of FIs – interdependency with testing phase as there would be no sign up of FIs prior to any major issues being resolved	Feb 2014
Outreach to potential customers, including low/moderate income component	Mar 2014
Customer billing	Mar 2014
Launch Call Center Support	Mar 2014
PG&E transfers program to CHEEF	May 2014

CHEEF EFLIC Phase

Milestone	Dates
Finalize EFLIC and Customer agreements	Jan 2014 – June 2014
PG&E Internal IT setup and Call Center planning	March 2014 – June 2014
Outreach and recruitment of FIs	On-going
Rulemaking process to revise Single Family Loan Program regulations to incorporate EFLIC	May / June 2014
Master Servicer becomes operational (IOU IT changes complete)	July 2014
Transfer CHF pilot to Master Servicer / CHEEF program. SFLP with EFLIC option launches	July 2014
Outreach to potential customers, including low/moderate income component – in conjunction with SFLP ME&O	June/July 2014
Customer billing	June/July 2014
Launch Call Center Support	June/July 2014
Mid-Term CPUC Pilot Review	January / February 2015

b) Geographic Scope:

EFLIC is a sub-pilot of the SFLP pilot. The SFLP will operate in CEC Climate Zones 1, 2, 3, 4, 5, 11, 12, 13, 16. In general, EFLIC is available in PG&E service territory subject to lender availability.

Table 5: Geographic Regions Where the Program Will Operate

Geographic Region	PG&E
CEC Climate Zone 1	X
CEC Climate Zone 2	X
CEC Climate Zone 3	X
CEC Climate Zone 4	X
CEC Climate Zone 5	X
CEC Climate Zone 6	
CEC Climate Zone 7	
CEC Climate Zone 8	
CEC Climate Zone 9	
CEC Climate Zone 10	
CEC Climate Zone 11	X
CEC Climate Zone 12	X
CEC Climate Zone 13	X
CEC Climate Zone 14	
CEC Climate Zone 15	
CEC Climate Zone 16	X

c) **Program Administration**

The CHEEF will assume program administration when the Master Servicer is in place

As CHEEF, CAEATFA will develop regulations to provide specific details on the credit enhancement structure and other requirements for program participation. CAEATFA will also subcontract with a Trustee bank to facilitate the transfer of credit enhancement funds to Financial Institutions participating in the pilot.

In coordination with CAEATFA, PG&E will train and educate the contractors, and local governments to help promote and explain the pilot offerings to potential customers.

Table 6: Program Administration of Program Components

Program Name	Program Component	Implemented by IOU Staff? (X = Yes)	Implemented by contractors to be selected by competitive bid process	Implemented by contractors NOT selected by competitive bid process (list prime contractor and sub-contractor names)	Implemented by other entity [CAEATFA] (X = Yes)
EFLIC	Program Application Process		X (Master Servicer)	X	CAEATFA
EFLIC	IOU Incentive Program Participant	X			CAEATFA
EFLIC	IOU Incentive Program Non-Participants				
EFLIC	Credit Review			X (participating financial institutions - enrolled through CAEATFA regulations)	
EFLIC	Loan Origination			X (participating financial institutions - enrolled through CAEATFA regulations)	
EFLIC	Loan Payments	X	X (Master Servicer)	X (participating financial institutions - enrolled through CAEATFA regulations)	

Program Name	Program Component	Implemented by IOU Staff? (X = Yes)	Implemented by contractors to be selected by competitive bid process	Implemented by contractors NOT selected by competitive bid process (list prime contractor and sub-contractor names)	Implemented by other entity [CAEATFA] (X = Yes)
EFLIC	Credit Enhancements ⁵	n/a	n/a	n/a	n/a
EFLIC	Marketing, Education, & Outreach (ME&O)	X		X (contractors and participating financial institutions - enrolled through CAEATFA regulations, CCSE)	X (CAEATFA to coordinate outreach efforts for contractors and financial institutions)
EFLIC	Evaluation, Measurement, & Verification (EM&V)	X			

ME&O will be done in coordination with the Energy Upgrade California statewide marketing campaign.

d) Program Eligibility Requirements:

EFLIC is a sub-pilot of the SFLP pilot program. In order to be eligible for the EFLIC billing option, the loan must be a qualifying loan under the SFLP program. Refer to the 2013 – 2015 Energy Efficiency Programs Statewide Finance Pilot Sub-Program Program Implementation Plan, Section 10.d. (including Tables 7, 8 and 9) for SFLP loan requirements.

Customer Incremental Requirements: Although EFLIC is a sub-pilot of the SFLP pilot program, there are incremental requirements due to the on-bill nature of the sub-pilot. Given that EFLIC allows a residential loan customer to repay his/her loan via the utility bill, the person(s) named on the loan obligation must also be the utility account holder(s). In order to participate in EFLIC, customers will be required to execute an agreement with PG&E and submit a copy of the agreement to the FI providing financing for the customer's project. The EFLIC Rate Schedule, which will be filed by advice letter and approved by the Commission, will provide additional details on customer requirements and interaction.

⁵ Once the pilot is transferred to the Master Servicer, EFLIC customers will have access to credit enhancements provided through the SFLP. For information on the administration of the SFLP, see the SFLP PIP.

Financial Institution Requirements: Refer to the 2013 – 2015 Energy Efficiency Programs Statewide Finance Pilot Sub-Program Program Implementation Plan for the SFLP. There are requirements to participate in the SFLP. A financial institution participating in SFLP may also elect to participate in EFLIC. Additional eligibility requirements for FIs participating in EFLIC will be included in the EFLIC lender agreement, which will be finalized through CAEATFA's public process for developing program regulations.

Minimum qualifications for FIs are they: a) possess all required state and federal licenses, b) be in good standing with regulators, and c) have capability of interfacing with the Master Servicer to transmit data required for the EFLIC Pilot and d) be willing to execute an EFLIC agreement that conforms to pilot program requirements, CE protocols, and data collection and sharing requirements.

Given that the EFLIC program is additive to the SFLP program, there are three possible scenarios under which a financial institution participates in the SFLP and EFLIC pilots:

- SFLP only lender
- SFLP + EFLIC lender, with option for a consumer to participate in EFLIC. In this situation, a lender may want to provide an SFLP offering with EFLIC as an added option for a customer taking a loan. This option may be selected to give borrowers flexibility, where EFLIC could be seen as a convenience to the borrower.
- SFLP + EFLIC lender, whereby the loan offering also requires EFLIC. This option may be selected by lenders to simplify administration. By offering a SFLP offering tied to the EFLIC, the lender may potentially avoid administrative and other costs associated with managing two options.

e) Program Partners:

a. Program coordination partners:

Refer to the 2013 – 2015 Energy Efficiency Programs Statewide Finance Pilot Sub-Program Program Implementation Plan, Section 10.e. (including Table 10) for the Single Family Loan Program for a description of program coordination partners.

f) Measures and incentive levels:

Refer to the 2013 – 2015 Energy Efficiency Programs Statewide Finance Pilot Sub-Program Program Implementation Plan, Section 10.f. (including Table 11) for the Single Family Loan Program for a description of eligible measures and incentive levels.

g) Additional Services:

The Pilot will include a series of additional services. These additional services, where related to marketing and outreach, will be coordinated with Statewide ME&O.

As an on bill sub-pilot, EFLIC contains unique features that may require incremental education and training beyond the SFLP education and training.

- Consumer education and training: When signing up for the EFLIC option, a customer will sign an EFLIC agreement, giving consent to place a 3rd party charge on his/her utility bill. The agreement will provide details on program participation to the customer. Additional educational materials will also be developed as needed.
- Contractor education and training: Contractor education may include assisting contractors in understanding the EFLIC option and how it could benefit customers.
- Lender education and training: Lender education will include assisting lenders in understanding the EFLIC option. The EFLIC option is likely a departure from normal collection practices for most lenders. Any lenders participating in the EFLIC sub-pilot must receive education and training on how to interface with the Master Servicer, who is the entity that will interface with PG&E.
- Call center support: Call center support will be available for customers that call the utility about loan charges on their bill related to the program.

h) Sub-Program Specific Marketing and Outreach:

Marketing, education, and outreach efforts for SFLP will incorporate EFLIC. Additionally, specific ME&O efforts will highlight the benefits of the EFLIC program including the ability for customers to repay loans on their utility bills.

Finance marketing and outreach activities will be coordinated with the Statewide ME&O in order to maximize customer engagement and opportunity.

Ordering Paragraph 1.a.vi. of D.13-09-044 states the following:

“Up to \$10 million from EE funds allocated as necessary costs are documented and invoiced to fund marketing, education, and outreach (ME&O) plans customized for the authorized EE finance pilots, as follows: (1) up to \$8 million to be expended in coordination with the statewide ME&O plans under consideration in Application 12-08-007, et al., and (2) up to \$2 million to the CHEEF to perform non-duplicative ME&O for contractors and financial institutions”

ME&O targets/objectives for this program include:

- Consumer
 - Target: Customers interested in EE projects or who have high bills
 - Objective: Educate and encourage customers to act on EE projects because financing is now available
 - Target: Low- to Mid-income customer
 - Objective: Educate and encourage customers on the benefits of financing and the long term benefits of EE projects (i.e., home comfort, utility bill savings, home value)
- Contractor/Retailer
 - Objective: Train, educate, and offer marketing support for contractors on the benefits of financing, the options available and how to integrate the product into sales process
- Lender
 - Objective: Train, educate, and offer marketing support for financial institutions and lenders on EFLIC and associated customer benefits.
- Real Estate Professionals:
 - Objective: Train and educate real estate professionals on the Pilot and how it can benefit customers. With respect to pilots with an on bill feature, education should carefully inform stakeholders on the differences between pilots in features such as transferability, shut-off for nonpayment, and bill neutrality
- Internal Operations (Call center and utility employees support)
 - Objective: Provide internal support for general external questions/concerns that arise surrounding the program.

In order to maximize customer engagement and gain participation we plan to use the following tactics.

- High Level Strategy- Awareness messaging, through a variety of channels, which drives targets to appropriate utility websites to learn specifics of the program.
 - Coordinate with statewide partners to integrate the benefit-oriented financial assistance messaging through appropriate marketing and outreach
 - Benefit-oriented financial assistance messaging
 - Energy bill discounts (CARE/FERA)
 - Energy-efficient upgrades (Energy Savings Assistance Program ("ESA"), Middle Income Direct Install Program ("MIDI"), Energy Upgrade California- Home Upgrade)
 - Ways to Finance (Financing Pilot)

High Level Tactics

- Coordination with CCSE for Energy Upgrade California to ensure coordination with the statewide ME&O effort.

- Collaboration with California Department of Community Services and Development to ensure low income customers that are eligible for the Weatherization Assistance Program (WAP) are made aware of the program prior to exploring the financing option. WAP provides additional home improvements at no cost.
- Mid-Level Strategy- Region specific messaging and integration, within appropriate channels, marketing and partners that leverage the financing program to increase target participation.
 - Apply IOU customer segmentation to understand the motivations, demographics and psychographics in order to develop and integrate customized messaging/creative
 - Create material using customer segmentation to reach out and target low and moderate income customers
 - Collaborate with regional retailers to integrate messaging into existing (or new) customer facing marketing
 - Coordinate with current appropriate multicultural marketing efforts to incorporate messaging to assist in targeting the hard-to-reach residential customers
 - Find opportunities to partner with existing regional solar providers and regional water authority partners to leverage financing messaging and maximize benefits of EE improvements
 - Synchronize media and community relations colleagues to integrate, where possible, and find new avenues to "spread the word"
 - Review and segment, with intent to act, on current and past customer information which could include, but is not limited to:
 - CARE high usage customers
 - Past ESA Program participants and identify any measures they could benefit from but were not available through the ESA program
 - Past EUC (EUC-home upgrade) program decliners
 - High usage customers (non-CARE)
 - High bill or bill payment assistance call center contacts
 - Participants in the MIDI pilot program

Mid Level Tactics

- Direct mail piece targeted towards customer segmentation of those with highest propensity to be in the market for a new appliance and thereby maximize program collaboration between Appliance Recycling, Home Energy Efficiency Rebates and the financing program
- Bill insert targeted towards CARE customers
- Coordination with CCSE for messaging in regards to Energy Upgrade California to ensure coordination with the statewide ME&O effort
- Development of customized marketing piece(s) towards those targeted customers mentioned above:
 - CARE high usage customers
 - Past Energy Savings Assistance Program participants and the measures they might not have received

- Past EUC (EUC-home upgrade) program decliners
- High usage customers overall
- Calls to the call center regarding high bills or bill payment help
- Local interaction Strategy - In order to create a personalized discussion, with the customer, about the financing program, capitalize on training and educating in existing partner/outreach relationships and exploring new partnerships as needed.
 - Identify and target appropriate existing CBO's and local governmental partners with education and training related to program eligibility, terms and conditions etc., for SFLP
 - Coordinate SFLP materials with other available financing programs (i.e., Multi-family, Small Business) information to ensure that customers understand the different financing offerings and program requirements. Collaborators will be able to explain the full suite of financing options available to different customers.
 - Select appropriate events in order to convey and educate customers on available options
 - Coordinate, with CAEATFA, the training/education for third party vendors, such as FIs and contractors (both assessment and installation).
 - Create opportunities to educate and train existing partners such as regional solar collaborators, the water authority, city and county authorities and retailers on the basics and benefits of the program

Local Customer Interaction Tactics

- To target the low/mid-income customer, via the ESA Program & Middle Income Direct Install Program, we will collaborate with CAEATFA to train and educate outreach and assessment contractors on the program as well as provide them with materials to educate the customer
- Coordination with CCSE for messaging in regards to Energy Upgrade California to ensure coordination with the statewide ME&O effort
- Leverage relationships with existing EUC-home upgrade contractors to develop training and education in order to educate the customer on the benefits of financing a portion of the EE upgrade instead of just refusing to have the work done because of the cost or paying for just half
- Integrate messaging into existing workshops/trainings for contractors
- Leverage retail opportunities such as Home Energy Efficiency Rebate program to integrate messaging into materials,
- Coordinate internal training to educate employees on the financing program
- Collaborate with FI's and CAEATFA to understand the needs to help them "market" the program to potential customers

Timing

In order to meet the program launch target of end of 1st Quarter in 2014, marketing pieces must be developed, coordinated from a statewide level, and ready to give the customer the best experience possible. Marketing will be conducted according to the following schedule if other milestones are met according to the targeted timeline:

- SFLP with Credit Enhancement (CE)

Development and collaboration of messaging, target facing marketing and education/training materials	Dec '13/Jan '14
Coordinate on a strategic approach with SW ME&O through CCSE, the statewide ME&O implementer	Jan./Feb. 14
Development of Financing area within current IOU websites (encompassing the three programs)	End of Jan/Feb
Upon completion of materials, Training and Education provided to partners, contractors, and government partners	Feb
Public Relations and Community relations launch	Late February
Customer Marketing, Education & Outreach Launch	March

i) **Sub-Program Specific Training:**

See Section 10.g. above for description of training including engaging FIs, contractors, and other market participants and borrowers.

j) **Sub-Program Software and/or Additional Tools:**

Refer to the 2013 – 2015 Energy Efficiency Programs Statewide Finance Pilot Sub-Program Program Implementation Plan for the Single Family Loan Program for software and tools related to the SFLP Loan.

Additional software or tools may be required if participating FIs need to implement changes to facilitate electronic exchange of data with the Master Servicer. There are existing solutions commercially available. PG&E currently uses a vendor for various exchanges with other partners.

- o Lenders participating must have capability to interface with the Master Servicer to transmit data.
- o The Master Servicer must have capability to interface with PG&E, using a vendor or other viable and cost conscious solutions.

Consumers will have the ability to compare the energy savings from their Energy Efficiency projects to their loan repayments. Existing tools such as MyEnergy could potentially be utilized by customers to facilitate this review.

For instances where projects do not take the rebate / incentive but participates in the financing pilot, the utility will apply any necessary data collection requirements and/or perform the equivalent post-installation activities as required by the Commission. These may support the determination of energy savings associated with utility program(s).

Table 7: Program Related Audits

Levels at Which Program Related Audits Are Rebated or Funded	Who Receives the Rebate/Funding (Customer or Contractor)
N/A – Residential programs do not provide rebates for audits	N/A

k) Sub-Program Quality Assurance Provisions:

The Financing Pilots are being offered concurrently with existing EE incentive programs. Therefore, Quality Assurance of all projects participating in the Financing Pilots will be driven by the relevant rebate/incentive program requirements. CAEATFA will address quality assurance requirements for projects not participating in a CPUC-approved incentive program during its rulemaking process. Pursuant to D.13-09-044 (p. 79), the borrower or financial institution is responsible for the QA/QC of non-energy measures.

Table 8: Quality Assurance Provisions

QA Requirements	QA Sampling Rate (Indicate Pre/Post Sample)	QA Personnel Certification Requirements
QA requirements are dependent on the associated IOU incentive program, and/or regulations that may be developed by CAEATFA.	Dependent on program / measure.	Dependent on program / measure.

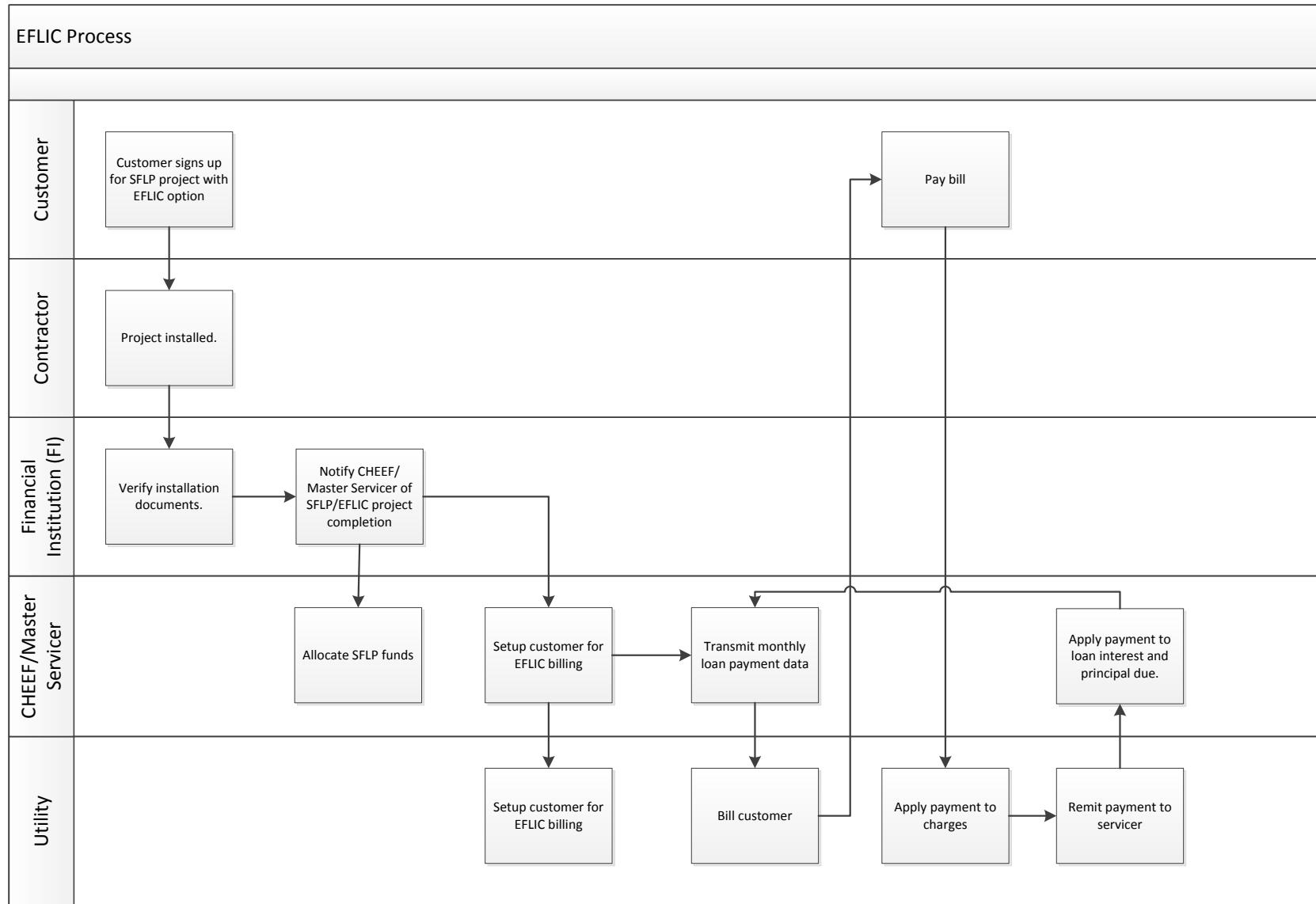
l) Sub-program Delivery Method and Measure Installation /Marketing or Training:

The following sequence illustrates how this program will be delivered to customers.

1. Financial institutions participating in SFLP will determine if it will offer customers the EFLIC option.
2. Customer elects EFLIC when signing up for a loan with a SFLP. Customer agreement form is provided to customer by bank with other loan documentation
3. Contractor installs project and notifies lender.
4. Lender verifies project installation.
5. In addition to notifying CHEEF to allocate SFLP funds, Lender informs servicer of customer election to participate in EFLIC.
6. Servicer sets up customer in its systems for EFLIC and transmits enrollment to PG&E
7. Servicer transmits monthly data to PG&E systems
8. PG&E sends customer monthly bill for collection process

m) Sub-program Process Flow Chart:

The flowchart below illustrates the process flow for how the loan pilot is expected to operate. Specific details of how the program will operate will vary in actual implementation. Note that the process flow is designed to be as easy as possible from the perspective of the customer, the contractor and the FI. The priority is to develop programs that function with sufficient oversight to be able to assure compliance with Commission decision orders while also keeping the program as simple as possible, in order to stimulate maximum participation.



n) Cross-cutting Sub-program and Non-IOU Partner Coordination:

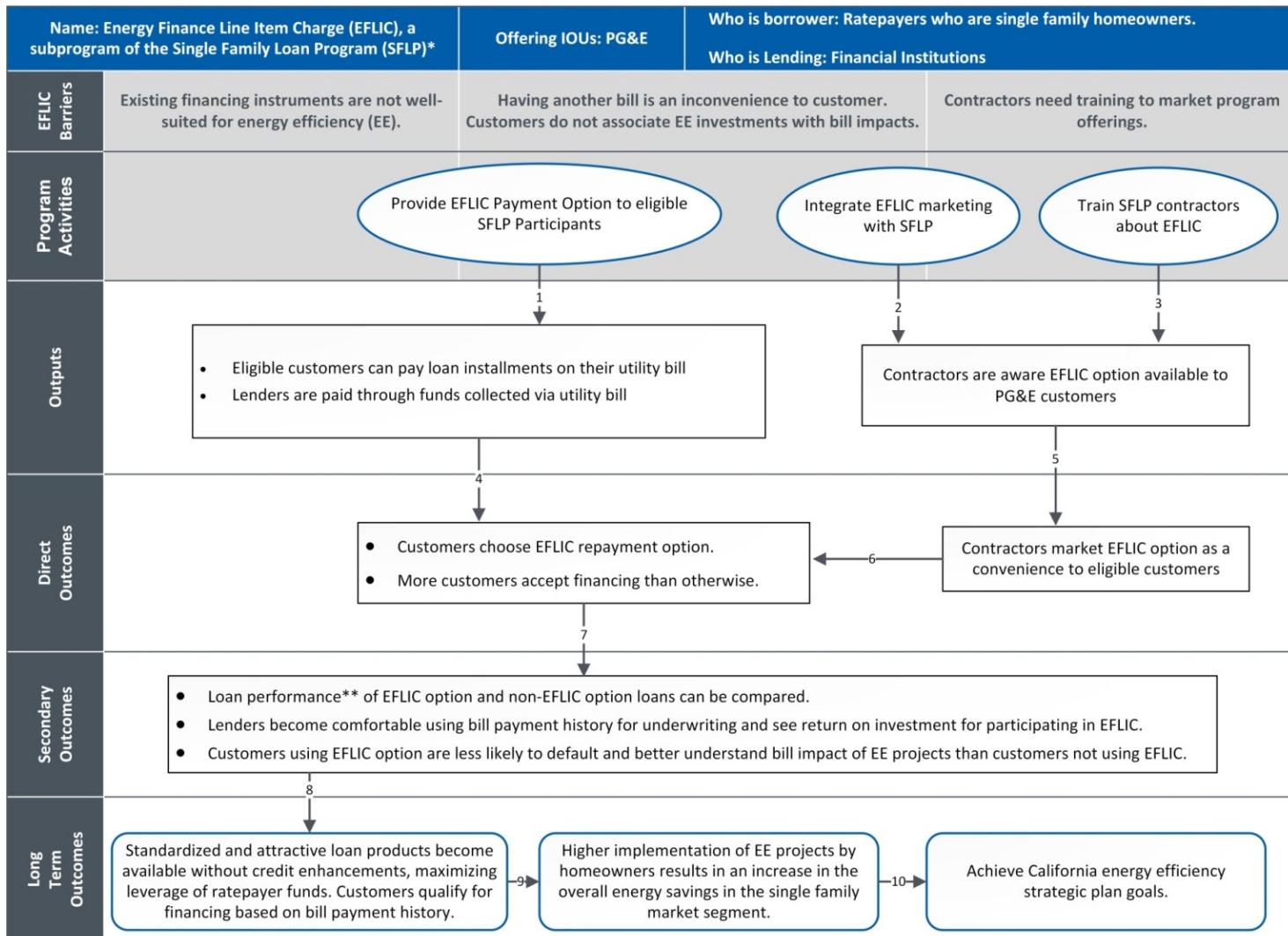
The Single Family Loan Program with EFLIC will coordinate with all residential rebate/incentive programs, as well as the Statewide ME&O Program.

Table 9: Cross-cutting Sub-program and Non-IOU Partner Coordination

EFLIC		
Other IOU Sub-program Name	Coordination Mechanism	Expected Frequency
Statewide Residential Programs	Meetings	As needed
Coordination Partners Outside CPUC		
Contractors	Finance Pilot ME&O	Quarterly
CAEATFA	Finance Pilot ME&O	Quarterly
Financial Institutions	Finance Pilot ME&O	Quarterly

Note: "Mechanisms" refers to communication methods (i.e. quarterly meetings; internal list serves; monthly calls, etc.) and/or any cross-program review methods (i.e., feedback on program plans; sign off on policies, etc.) or harmonization techniques (i.e. consistent certification requirements across programs, program participant required cross trainings, etc.)

o) Logic Model:



SFLP = Single Family Loan Pilot

EE = Energy Efficiency

*See separate SFLP logic model.

** Collecting EE financing performance data is an important function of the California Hub for Energy Efficiency Financing (CHEEF)

11) Additional Sub-Program Information

a) Advancing Strategic Plan Goals and Objectives:

As underscored by the California Long Term Energy Efficiency Strategic Plan (the “Strategic Plan”), innovative financing is a major EE strategy for California’s single family sector. A key strategy in the Strategic Plan’s Residential and Low Income section is “5. Financing: Work with the financial community to develop innovative and affordable financing options for [EE] buildings and retrofits” (p. 2-12), a goal that is directly advanced by this sub-program. Furthermore, this sub-program makes important contributions to the Strategic Plan’s call to:

- Identify "needed tools, instruments, and information necessary to attract greater participation of capital markets in funding efficiency transactions" (p. 2-16),
- "[D]evelop financial products and programs...to encourage demand for energy efficiency building products, home systems and appliances" (strategy #2-4, p. 2-21),
- "Investigate the feasibility of [EE] lending products"(p. 2-21), and
- Use EE financing to meet closely related goals, namely HVAC and lighting efficiency.

b) Integration

i. Integrated/coordinated Demand Side Management:

- See Sub-Program Specific Marketing and Outreach

Table 16: Non-EE Sub-Program Information

N/A

ii. Integration across resource types

Table 10: Non-EE Sub-Program Information

Sub-Program Name		
Non-EE Sub-Program	Budget	Rationale and General Approach for Integrating Across Resource Types
N/A		

c) Leveraging of Resources:

- See Sub-Program Specific Marketing and Outreach

d) Knowledge Transfer:

Best practices will be identified and shared through frequent communication between the statewide IOUs, CAEATFA, and other stakeholders. Additionally, the statewide IOUs and the consultants engaged to help with the financing pilot programs will monitor developments in other EE Financing programs nation-wide and outside of the U.S. PG&E will also work with industry experts on a quarterly basis to ensure that program partners provide feedback concerning best practices and lessons learned.

Commission Decision (D.)13-09-044 also requires CAEATFA, with assistance from the Southern California Gas Company, to submit quarterly reports on the pilot program uptake. These quarterly reports will aid in evaluating the pilots to determine any necessary program or budgetary changes.

12) Additional information as required by Commission decision or ruling or as needed:

Decision 09-09-047, pp. 48 – 49 provides instruction regarding information to be submitted for pilot programs. The following addresses the 10 criteria required for pilot programs.

- a. A specific statement of the concern, gap, or problem that the pilot seeks to address and the likelihood that the issue can be addressed cost-effectively through utility programs.

The pilot seeks to test the attractiveness of on-bill repayment and its impact on residential loan performance.

The areas of concern for the pilot are:

- *Financial institutions may not participate in large numbers.*

To mitigate this concern, the IOUs reached out to financial institutions at the very early developmental stages of the program to build a program that will be attractive to them.

- *Customers may not use the pilot offering.*

This pilot includes a marketing and outreach campaign that is integrated with existing rebate/incentive programs and contractor networks.

- *Consumer lending is heavily regulated and poses operating risks.*

This pilot will ensure that operational excellence is assured prior to offering this program more broadly.

- b. Whether and how the pilot will address a Strategic Plan goal or strategy and market transformation.

The EFLIC is associated with the SFLP, which significantly addresses numerous Strategic Plan goals and strategies. As detailed above in Section 11 A., EE financing is a very important pillar of the Strategic Plan's approach, specifically including the Single Family residential sector.

Additionally, the Strategic Plan describes five "policy tools" for Market Transformation, the first of which explains that "***Customer Incentives*** including...innovative or discounted financing...are the 'carrots' that help *pull* consumers into choosing the efficient option." (p. 1-5).

c. Specific goals, objectives and end points for the project.

The EFLIC seeks to test if:

- There is improved security to financial institutions to the extent that customers pay their utility bill on a regular basis;
- New ways to integrate expanded access to capital to EE financing programs;
- If demand for energy improvements increases, to the extent that aligning loan
- Repayment with energy savings overcomes consumer reluctance to invest in energy improvements.

d. New and innovative design, partnerships, concepts or measure mixes that have not yet been tested or employed.

The pilot relies on utilizing the utility bill as a conduit for residential loan repayment for third party loans.

e. A clear budget and timeframe to complete the project and obtain results within a portfolio cycle - pilot projects should not be continuations of programs from previous portfolios.

See Table 1

f. Information on relevant baselines metrics or a plan to develop baseline information against which the project outcomes can be measured.

The Statewide Research Roadmap specifies the mechanism for which energy and demand savings will be determined for the Finance Pilots. In addition, the IOUs are conducting research to develop various requirements of the Pilots including logic models, Program Performance Metrics and related design parameters.

g. Program performance metrics.

Table 11. EFLIC Program Performance Metrics

Short-term Program PPMs:	Measurement Approach	Data Source
PPM 1: Lender participation in EFLIC <ul style="list-style-type: none"> Number of SFLP Lenders Number of SFLP Lenders who support EFLIC as an option Number of SFLP Lenders who require EFLIC 	The SFLP's lender tracking should also flag each lender's EFLIC status: <ul style="list-style-type: none"> EFLIC optional EFLIC required EFLIC not supported From this information, the program manager can report on this PPM.	PG&E and CHEEF
PPM 2: Customer participation in EFLIC <ul style="list-style-type: none"> Number of customers who borrow from lenders who support EFLIC as an option Number of customers who elect to use the EFLIC payment option 	The EFLIC participant database should include the lender providing the loan. Combining this information with the lender tracking information, the program manager can determine how many customers who were given the choice to use EFLIC decided to use it.	PG&E and CHEEF

h. Methodologies to test the cost-effectiveness of the project.

Since the finance pilots have energy and demand objectives, the methods contained in the Standard Practice Manual will be used to determine cost effectiveness. The EM&V studies will provide major inputs for final cost effectiveness calculations.

i. A proposed EM&V plan.

The Statewide Research Roadmap specifies the mechanism for which energy and demand savings will be determined for the Finance Pilots. The Research Roadmap is a detailed plan which describes each of the studies being conducted on the financing pilots by each of the IOUs. Included in the plan are allocated budgets, key research questions and information needs of the program managers and other stakeholders. In addition, the IOUs are conducting research to develop various requirements of the Pilots including logic models, Program Performance Metrics and related design parameters.

j. A concrete strategy to identify and disseminate best practices and lessons learned from the pilot to all California utilities and to transfer those practices to resource programs, as well as a schedule and plan to expand the pilot to utility and hopefully statewide usage.

See Section 11.d.

Decision 13-09-044, Fast-Track / OBR PIPs

- The single credit enhancement pool for each pilot program made available to all Financial Institutions is to draw down from on a first-come-first-served basis (pp. 23 – 24).

This requirement will apply to the Single Family Loan Program Pilot and will be further addressed in CAEATFA's regulations.

- Up to \$10 million from EE funds allocated as necessary costs are documented and invoiced to fund marketing, education, and outreach (ME&O) plans customized for the authorized EE finance pilots, as follows: (1) up to \$8 million to be expended in coordination with the statewide ME&O plans under consideration in Application 12-08-007, et al., and (2) up to \$2 million to the CHEEF to perform non-duplicative ME&O for contractors and financial institutions (Ordering Paragraph 1.vi.).

See Table 1.

- CPUC requires an estimate of bill impacts of the EE project to be financed be presented by the contractor to the customer at the time they are making the commitment to the project to insure an informed decision (p. 81).

See Section 10.d.ii. for the contractor requirements for this pilot program.

- ME&O plans shall include training for all pilot programs, including engaging FIs, contractors, and other market participants and borrowers (p. 84).

See Section 10.h. for the ME&O plan for this pilot program.

- The PIP should establish appropriate program reporting by FIs and marketing steps, particularly with experienced community-based organizations, designed to achieve this goal (p. 33).

See Section 10.h. for marketing steps.

- CAEATFA/SoCalGas reference the data protocols (from the final report) in the pilot PIPs since the data fields could differ by pilot (D.13-09-044, Appendix D).

Pursuant to D.13-09-044, the data protocols subject to the data Working Group (WG) report are to be submitted to the Commission. This PIP incorporates by reference the data protocols associated with residential pilots from the current report. The report is available at the following website: CalEEFinance.com. Please also refer to the regulations established by CAEATFA regarding data collection and reporting to implement the WG report. Contractors and FIs should refer to the CHEEF, the selected Master Servicer, and / or the Data Manager regarding any related requirements

Decision 13-09-044, EFLIC PIP (Only)

- The EFLIC differs from non-residential OBR in significant ways. The primary differences are that it does not result in utility disconnection for failure to pay the debt charges, nor does it involve an allocation of partial customer payments between utility energy bills and energy improvement finance charges. The loan obligation does not transfer to subsequent owners or occupants. (p. 35-36).

This is addressed in the EFLIC Rate Schedule.

- Therefore, the Commission finds it reasonable to authorize the EFLIC subpilot program for implementation as an early release pilot by PG&E. Once the Master Servicer is online, the program shall be transferred to CAEATFA and borrowers will have access to CEs through the SFLP. (p. 37)

This is addressed in Section 9a.

- The EFLIC program, in both stages, shall include a component for outreach to low and moderate income homeowners. (p. 38)

This is addressed in Section 10h.

- Transition to CAEATFA, including opening the program to other FIs under similar terms and conditions, and linkage to the SFLP shall be addressed in the 90-day PIP. (p. 38)

This is addressed in Section 9a.

ATTACHMENT 1

Program Non-Energy Objectives

For New or Substantially changed programs and sub-programs, provide the following information for Program Non-Energy Objectives and follow the format used for the previous cycle Program Performance Metrics found in Resolution E-4385.

- i. **List the primary SMART⁶ non-energy objectives of the program.** These should correspond to key methods identified above to overcome the market barriers, areas of concern or gaps, and to the outputs and short, mid- and long-term non-energy outcomes identified in the logic model requested below.

The SFLP will evaluate its influence on the market actors that support single family loans. This includes examining the number of educated and trained contractors that are participating in the program, in addition to FIs and other market actors. This pilot will also evaluate processing time for receiving a loan (from start to finish) as well as loan values based on EE work. The pilot participation results will offer useful perspectives on the effectiveness of these pilot approaches, best practices, and lessons learned, and expected benefits of expanding the pilot to become a full-scale program.

This pilot introduces a mechanism to test and compare two types of single family financing products: indirect financing and direct loans. Training will be conducted to educate both FI's and contractors on overcoming financing barriers.

- ii. **For each SMART objective, identify the quantitative targets, direction or percent of change that you hope to achieve during the program cycle.⁷**

The IOUs will work to determine the baseline for existing participation within the statewide financing programs. This will allow for the IOUs to measure incremental single family loan participation. The IOU's will analyze the data collected during the 2013-2015 pilot period to better assess future projections for non-energy objectives if the pilots are converted into "mainstream" programs. As such, the IOUs do not establish targets at this time.

- iii. **For each proposed SMART objective, describe any relevant baseline data on current market conditions that you have assembled or plan to assemble and the sources.**

The utilities will develop meaningful baseline and market transformation concepts and metrics for programs that do not currently have them, and then propose to

⁶ A SMART objective is one that is **S**pecific (i.e. quantitative and quantifiable generally, in terms of the results to be achieved), **M**easurable, **A**mbitious, **R**ealistic, and **T**ime-bound.

⁷ Please also add any new program objectives and quantitative targets for statewide programs to the portfolio PPM/MTI reporting template.

design and administer studies to gather and track consistent, reliable and valid baseline and market effects data.

Each IOU will look at past program participation rates of other similar programs, current market conditions, current economic conditions, available work-paper/studies, baseline data, and customer mix and penetration.

- iv. **Quantitative program targets (PPMs):** If not already provided above, indicate estimates of the number of measure units, buildings, etc. projected to be treated by the sub-program.

On June 3, 2013, the IOUs filed Advice Letter (AL) 3389-G/4234-E which advised the Commission that the IOUs are working to assess financing utilization in the EE portfolio and developing PPM recommendations. The pilot metrics shown above were designed to meet criteria defined by the CPUC as fulfilling the EE Strategic Plan, portfolio development, and program specific evaluation efforts. The IOUs will analyze the data collected during the 2013-2015 pilot period to better assess future projections for these PPMs as pilots are converted into statewide programs.

**PG&E Gas and Electric
Advice Filing List
General Order 96-B, Section IV**

1st Light Energy	Douglass & Liddell	OnGrid Solar
AT&T	Downey & Brand	Pacific Gas and Electric Company
Alcantar & Kahl LLP	Ellison Schneider & Harris LLP	Praxair
Anderson & Poole	G. A. Krause & Assoc.	Regulatory & Cogeneration Service, Inc.
BART	GenOn Energy Inc.	SCD Energy Solutions
Barkovich & Yap, Inc.	GenOn Energy, Inc.	SCE
Bartle Wells Associates	Goodin, MacBride, Squeri, Schlotz & Ritchie	SDG&E and SoCalGas
Braun Blasing McLaughlin, P.C.	Green Power Institute	SPURR
California Cotton Ginners & Growers Assn	Hanna & Morton	San Francisco Public Utilities Commission
California Energy Commission	In House Energy	Seattle City Light
California Public Utilities Commission	International Power Technology	Sempra Utilities
California State Association of Counties	Intestate Gas Services, Inc.	SoCalGas
Calpine	K&L Gates LLP	Southern California Edison Company
Casner, Steve	Kelly Group	Spark Energy
Cenergy Power	Linde	Sun Light & Power
Center for Biological Diversity	Los Angeles Dept of Water & Power	Sunshine Design
City of Palo Alto	MRW & Associates	Tecogen, Inc.
City of San Jose	Manatt Phelps Phillips	Tiger Natural Gas, Inc.
Clean Power	Marin Energy Authority	TransCanada
Coast Economic Consulting	McKenna Long & Aldridge LLP	Utility Cost Management
Commercial Energy	McKenzie & Associates	Utility Power Solutions
County of Tehama - Department of Public Works	Modesto Irrigation District	Utility Specialists
Crossborder Energy	Morgan Stanley	Verizon
Davis Wright Tremaine LLP	NLine Energy, Inc.	Water and Energy Consulting
Day Carter Murphy	NRG Solar	Wellhead Electric Company
Defense Energy Support Center	Nexant, Inc.	Western Manufactured Housing Communities Association (WMA)
Dept of General Services	North America Power Partners	
Division of Ratepayer Advocates	Occidental Energy Marketing, Inc.	