

# 2013-2014 Energy Efficiency Portfolio Application Information Requirements

## Contents

Chapter 1: Executive Summary (5 pages).....	1
Chapter 2: Portfolio Reflects Guidance (10 pages).....	2
Chapter 3: Proposed Portfolios Fulfill Energy Efficiency Goals (10 pages).....	2
Chapter 4: Proposed Funding Request is Reasonable (5 pages).....	5
Chapter 5: Proposed Evaluation Plans and Budgets (3 pages).....	5
Chapter 6: Revenue Requirements and Cost Recovery (3 pages).....	5
Chapter 7: Qualifications.....	5
Appendix A: Cost Effectiveness Requirements.....	6
Appendix B: Workpaper submittal Requirements.....	8
Appendix C: Program Implementation Plan Requirements.....	9
Appendix D: Placemat Budget and Savings Requirements.....	11
Appendix F: Additional Program Requirements.....	12
Appendix G: Table of Compliance.....	13
Appendix H: Market Transformation Indicators and Supporting Materials.....	13

## Chapter 1: Executive Summary (5 pages)

- 1) Includes short description of utility portfolios, and summary tables and charts of portfolios and energy efficiency measure groupings by year and overall of the following: energy and demand savings, end-uses, and budget (numeric value and percentages).
- 2) Includes narrative summary of:
  - a. elements (i.e., programs, program components, measures) in the portfolio;
  - b. estimates of budgets and energy savings
- 3) Includes charts summarizing projected energy savings from each of the four major sectors for the program cycle and from the top energy efficiency measures.

See *AppendixE\_2013-2014ApplicationTableTemplates\_V02.xls*

## Chapter 2: Portfolio Reflects Guidance (10 pages)

- 1) This chapter describes how the utility portfolio application is responsive to the authorizing decision. [x pages]
  - a) *Energy Savings Goals for the 2013-2014 Applications*
  - b) *Financing*
  - c) *Local Government, Government Partnerships and Third-Party Delivery*
  - d) *Reducing the Number and Complexity of Programs*
  - e) *Program Guidance for the Residential Sector*
  - f) *Program Guidance for the Commercial Sector*
  - g) *Lighting Programs*
  - h) *Codes and Standards*
  - i) *Emerging Technologies Program*
  - j) *Workforce Education and Training*
  - k) *Water-Energy Nexus Programs*
  - l) *Marketing, Education, and Outreach*
  - m) *Continuation of 2010-2012 Programs not Addressed Elsewhere in this Decision*
  - n) *Other Portfolio Direction*
  - o) *Evaluation*
  - p) *Shareholder Incentive Mechanism*
  - q) *Next Steps and the Process for 2013-2014 Utility Portfolio Applications and Review*

The utilities also submit a table in “Appendix G – Table of Compliance,” which provides a line for line accounting of how the utility application is responsive to the dicta and/or ordering paragraphs from the “DECISION PROVIDING GUIDANCE ON 2013-2014 ENERGY EFFICIENCY PORTFOLIOS AND 2012 MARKETING, EDUCATION, AND OUTREACH” adopted on 5/10/12 in R.09-11-014. The template for this table can be found in the tab titled Table 7 – Table of Compliance, in the spreadsheet, “AppendixE\_2013-2014ApplicationTableTemplates\_V02.xls” posted to <http://eega.cpuc.ca.gov>.

## Chapter 3: Proposed Portfolios Fulfill Energy Efficiency Goals (10 pages)

This section of the application will provide narrative and data to demonstrate that:

### 1. PORTFOLIOS MEET ENERGY EFFICIENCY GOALS

#### a. Portfolios Meet or Exceed 2013 and 2014 Annual Goals

2013-14 Electric Goals	Minimum Required by Commission		Actual Proposed by Utility	
	2013	2014	2013	2014
<b>Annual electricity savings (GWh/yr)</b>				
IOU program targets				
Codes and Standards Advocacy				

<b>Total Annual Targets</b>				
<b>Annual peak savings (MW)</b>				
IOU program targets				
Codes and Standards Advocacy				
<b>Total Peak Savings Targets</b>				

2013-14 Gas Goals	Minimum Required by Commission		Actual Proposed by Utility	
	2013	2014	2013	2014
<b>Annual natural gas savings with interactive effects (MMMT/yr)</b>				
IOU program targets				
Codes and Standards Advocacy				
<b>Total Annual Targets</b>				
<b>Annual natural gas savings without interactive effects (MMMT/yr)</b>				
IOU program targets				
Codes and Standards Advocacy				
<b>Total Annual Gas Targets</b>				

2. **MARKET POTENTIAL:** What is the estimated energy and demand economic potential through 2026 for the sector, sub-sector and/or measures targeted in this program\*?

**Net Economic Potential Through 2024**

	GWh	Peak MW	Therms (Millions)
<b>Overall program</b>			

\* Economic potential indicates the savings potential that would be achieved if measures were installed in all applicable, feasible cost-effective applications.

### 3. PROPOSED PORTFOLIO DESIGN

Summary of Proposed Programs (detailed Program Implementation Plan requirements found in Appendix C)

#### a. CONTINUING PROGRAMS FROM 2010-2012 (These programs will use the PIP addendum process described in Appendix C section 1)

- i. Resource Programs (clearly grouped by sector)
- ii. Non-Resource Programs
- iii. Third-party contracts
- iv. Local Government Partnerships
- v. Codes and Standards
- vi. Programs with Market Transformation Initiatives
  1. HVAC QI/QM
  2. ZNE Pilots/Third Party Programs not using the NEW PIP template
  3. Savings By Design
  4. Residential New Construction
  5. Plug load and appliances (not using the NEW PIP template)
- vii. Workforce, Education and Training (refer to AppendixF\_PIPAddendumRequirements\_WET.doc for information to include.

#### b. NEW OR SUBSTANTIALLY CHANGED PROGRAMS or subprograms, at minimum. (These programs will use the NEW PIP template described in Appendix C section 2)

- i. New Statewide Lighting program
- ii. Energy Upgrade California
- iii. New Third Parties (won't be in the application)
- iv. Local Government Regional Pilot

#### c. NEW OR SUBSTANTIALLY CHANGES PROGRAMS THAT DO NOT EXACTLY FIT THE NEW PIP TEMPLATE (These programs will use the NEW PIP Template described in Appendix C, section 3)

- i. Financing
- ii. Emerging Technologies
- iii. Marketing, Outreach, and Education

#### d. ELIMINATED PROGRAMS

## Chapter 4: Proposed Funding Request is Reasonable (5 pages)

This section of the application will provide narrative and data to demonstrate that:

- 1) Funding Request is Reasonable [*x pages*]
  - a. Proposed Funding Levels are Reasonable and Should be Adopted
    1. Provide breakdown of proposed budget by program.

- b. Certain Costs Not Included in Cost-Effectiveness Calculations per the Strategic Plan and CPUC Direction

## **Chapter 5: Proposed Evaluation Plans and Budgets (3 pages)**

The utilities will set aside 4% of the total portfolio funding for both utility and Commission-managed EM&V studies, policy support, and strategic planning projects. This section of the application will present the breakdown of the utilities' proposed EM&V budget between utility vs. Commission staff-managed projects, and describe the plans for the utilities' own energy efficiency process evaluation and market analysis projects.

## **Chapter 6: Revenue Requirements and Cost Recovery (3 pages)**

The section of the application will provide estimates of the overall rate and bill impacts expected from the portfolios using a consistent methodology across utilities, and propose electric Public Goods Charge and Procurement revenue and Gas Surcharges to fund the portfolio budgets. Also provide separately any available unspent, uncommitted funds from previous cycles that will be included in the budget.

## **Chapter 7: Qualifications**

The utilities may insert witness qualifications where they see fit in the application

## Appendix A: Cost Effectiveness Requirements

The utilities shall submit as part of their applications to the Commission a detailed cost-effectiveness analysis including all supporting calculation or documentation files. The cost-effectiveness analysis shall provide details for all energy savings and costs assumptions associated with all resource program activities. For the purpose of this cost-effectiveness submission resource program activities are any programs for which energy savings claims towards the 2013-2014 goals are expected to be made. The cost-effectiveness analysis must be consistent with the portfolio energy savings and budget request provided in the higher level portfolio budget and savings summary tables (placements) also submitted with the applications.

All measure ex ante parameters (kWh, kW, therms, net-to-gross, EUL/RUL, measure costs and incentive costs, load shape, etc.) must be taken from either the adopted DEER for 2013-14 planning and reporting or from workpapers submitted with the applications.

The portfolio cost-effectiveness shall be estimated using DEER and non-DEER workpaper measure detailed data along with estimated utility administration and management, program and measure activity costs submitted using multiple cost-effectiveness calculators. Each line in each cost-effectiveness calculator must identify the specific source of the data for the measure by either providing a specific workpaper ID or a specific DEER measure ID. The cost-effectiveness calculators to use for the applications are found in the following DEER website FTP directory:

<ftp://deeresources.com/pub/E3CostEffectivenessCalculators/2013-14DRAFTPlanningVersions/>.

One cost-effectiveness calculator shall be submitted for each resource program activity. Additionally, four portfolio level summary cost-effectiveness calculators shall also be submitted as follows:

1. one cost-effectiveness calculator combining all third party programs including utility costs directly attributable to those programs;
2. one cost-effectiveness calculator combining all government partnership programs including utility costs directly attributable to those program;
3. one cost-effectiveness calculator combining all utility core local and state-wide programs (all other programs excluding the third party and government partnerships) including utility costs attributable to those programs; and
4. one cost-effectiveness calculator combining the first three above cost-effectiveness calculators plus all utility addition management and administration as well as all non-resource program costs such that the full utility portfolio budget is represented within this C-E calculator.

The portfolio level calculators may have like measures “rolled up”, however complete documentation must be supplied on how the rollup was performed and the roll up process must maintain the accuracy of the cost-effectiveness calculation. The full portfolio calculator (item 4 above) if using a roll up strategy to meet calculator size constraints, must retain the separation between the third party, government partnership and core areas in any measure roll up process.

The utilities shall provide the electronic versions of the C-E Calculator input/output export files and the blank C-E Calculators utilized by each utility.

## **Spillover**

The utilities should describe the development and application of any spillover estimates included in their savings estimates, including (1) the rationale used to arrive at and apply the spillover values and (2) the process they used to vet their proposal(s) with stakeholders and Commission Staff.

## Appendix B: Workpaper submittal Requirements

The utilities shall submit as part of their applications to the Commission, a complete set of workpapers for all measures not contained in DEER that are used in the application cost-effectiveness submission described in Appendix A. Additionally, the utilities shall submit as part of their applications workpapers for all non-DEER measures currently know and expected to be included in the portfolio program offerings. However these workpapers shall not replace DEER impact values, NTG values or EUL/RUL values with alternates. However, workpapers may augment or replace DEER cost values if the DEER cost values are considered by the utility to be out-of-date. When workpapers utilize DEER measures, NTG values, EUL/RUL values those values must be identified using DEER measure, NTG or RUL IDs not just the numeric values.

Workpapers may utilize the same format as the utility has previously utilized in 2010-12 workpaper filings. However, each workpaper measure must have a complete set of ex ante values to allow proper use in the cost-effectiveness calculator. All ex ante parameters must be supplied via an embedded or separate spreadsheet which contains all required ex ante parameter values for the cost effectiveness calculator. All measures must be identified as to their baseline assumption as being new construction (NC), replace-on-burnout/normal-replacement (ROB/NR), or early retirement (ER). All early retirement measures must utilize a dual baseline approach and include all ex ante values for both baseline periods.

The DEER READI tool must be used to create new measures for technologies covered by DEER whenever possible. In the case of the use of READI to create new measures by extending existing DEER measures, the utility workpaper must include the READI measure export csv file for the measure. If new lighting technology table entries or new measure weighting table entries are required to create new measures the utilities will communicate those requirements to Energy Division or its designated contractors and those entries will be added within three working days or sooner so that the new measures which reference the new table entries can be submitted with the applications.

The utilities shall provide the electronic versions of workpapers along with a summary table listing all workpapers with a summary description of the contents of each workpaper including the measure included in each, the market sectors (i.e., residential, commercial, industrial, agricultural) and deliver mechanisms (upstream, downstream, mid-stream, direct install) covered by the workpaper.



## Appendix C: Program Implementation Plan Requirements

### 1) For continuing programs: - use the PIP addendum process

- a. IOUs will only submit new or changed information
- b. Tables provided shall be submittal in excel format
- c. Refer to “2013-2014\_PIPaddendumTemplate.doc” posted under the Guidance section of <http://eega.cpuc.ca.gov>
- d. If program is substantially changed via decision guidance, provide redlined and clean versions of the section(s) of the PIP that have been altered in the “additional information” part of the addendum (as a separate document). Or, submit a full new PIP using the new Statewide Program Overview and Sub Program Implementation Plan template.
- e. This groups of programs will include programs that address market transformation initiatives and must address the six bullet points outlined in Section 18.3 of the DECISION PROVIDING GUIDANCE ON 2013-2014 ENERGY EFFICIENCY PORTFOLIOS AND 2012 MARKETING, EDUCATION, AND OUTREACH” adopted on 5/10/12 in R.09-11-014.
- f. The Workforce, Education, and Training program may use the PIP addendum process for continuing programs but must provide the information found in the file titled, “AppendixF\_PIPAddendumRequirements\_WET.doc” found on <http://eega.cpuc.ca.gov> under Guidance Documents. The utilities will use “Trigger 4 – Portfolio Budget and Other Commission – Directed Changes” for WE&T PIP addenda.

### 2) For new programs: IOUs will use new Program Overview and Subprogram PIP template.

- a. These programs will use template “AppendixC\_2013-2014\_PIPTemplate\_NEWPrograms\_V05.doc”:
  - i. New Statewide Lighting program
  - ii. Energy Upgrade California
  - iii. New Third Parties (won’t be in the application)
  - iv. Local Government Regional Pilot
- b. Refer to “AppendixC\_2013-2014\_PIPTemplate\_NEWPrograms\_V05.doc” posted under the Guidance section of <http://eega.cpuc.ca.gov>

**3) For new programs that do not exactly fit the new PIP template: IOUs will use new Program Overview and Subprogram PIP template as modified for each specific program.**

**a. Financing**

*i. This program will use the template titled, "AppendixC\_2013-2014\_PIPTemplate\_NEWPrograms\_V05\_Financing.doc"*

- This template is based on the new PIP template but removes areas that do not need to be filled out for the application at this time.
- Also, the narrative requirement for this program has been enhanced.

**b. Emerging Technologies**

*i. This template will be forthcoming as Energy Division and the IOUs are currently working on the requirements for this program*

**c. Marketing, Outreach, and Education**

*i. This program will use the template titled, "AppendixC\_2013-2014\_PIPTemplate\_NEWPrograms\_V05\_MEO.doc" (to be developed later)*

## Appendix D: Placemat Budget and Savings Requirements

Refer to “AppendixD\_2013-2014\_ApplicationPlacemats\_V02.xlsx” posted under the Guidance section of <http://eega.cpuc.ca.gov>

The budget and savings placemat tables have been modified so the programs are grouped in a similar manner in both the budget and savings spreadsheet. Also, extra sub-total rows and header rows have been deleted. Each row in the budget or savings placemat should correspond to one unique program ID. Additional fields will be used (columns J:N in the budget placemat; columns AR:AV in the savings placemat) to allow for filtering and sorting of the values. When populating these fields use the values defined in the drop down menu for each cell.

## Appendix E: 2013-2014 Application Table Templates

#	NOTE	
	S	
	New	<u>TOC</u>
1		<u>Table 1.1 - Annual Svgs</u>
2		<u>Table 1.2 - Svgs by End Use</u>
3		<u>Table 1.3 - Svgs by Mkt Sector</u>
4	New	<u>Table 1.4a - Measure Groups</u>
5		<u>Table 1.4 - Pgm Mea Grpg</u>
6		<u>Table 1.5- Partnership Mea Gp</u>
7		<u>Table 1.6-3rd Party Mea Gp</u>
8		<u>Tables 1.7 &amp; 1.7a - TRC</u>
9		<u>Tables 1.8 &amp; 1.8a - PAC</u>
10		<u>Table 1.9 - Program List</u>
11		<u>Tables 2.1 thru 2.3a-Emissions</u>
12		<u>Tables 2.4 &amp; 2.4a - GBI</u>
13		<u>Table 3.1 - 2009-11 Cum Svgs</u>
14		<u>Table 3.2 - 2006-11 Cum Svgs</u>
15		<u>Table 3.3 2010-12 Lifecycle Svg</u>
16		<u>Table 3.4 - 3P Pgms</u>
17		<u>Table 3.5 - Partnerships</u>
18		<u>Table 4.1 - Portfolio FILED</u>
19		<u>Table 4.2 Budget FILED</u>
20		<u>Table 5.1 - EM&amp;V Budget</u>
21		<u>Table 6.1 - Bill Payer Impacts</u>
22		<u>Table 6.1a-b - RatesRev</u>
23	Revised	<u>Table 6.2(Rev) - FundingSource</u>
24	New	<u>Table 7 - Table of Compliance</u>
25	New	<u>Table 8 - Portolio Potential</u>
26	New	<u>Table 9 - Potential 2024</u>

This workbook has 26 tables that need to be populated. There is a Table of Contents and four newly developed tables. One table has been revised.

Refer to “[AppendixE\\_2013-2014ApplicationTableTemplates\\_V02.xls](http://eega.cpuc.ca.gov)” posted under the Guidance section of <http://eega.cpuc.ca.gov>

## Appendix F: Additional Program Requirements

This chapter provides additional information that the utility must provide in their application.

- A. Contract with third parties filed under seal
- B. The Workforce, Education, and Training program may use the PIP addendum process for continuing programs but must provide the information found in the file titled,

“AppendixF\_PIPAddendumRequirements\_WET.doc” found on <http://eega.cpuc.ca.gov> under Guidance Documents. The utilities will use “Trigger 4 – Portfolio Budget and Other Commission – Directed Changes” for WE&T PIP addenda.

- C. Financing – As the financing programs get further developed, each program may need to use the PIP addendum process to address how each program is being changed to address financing.

## Appendix G: Table of Compliance

This chapter will use the format of Table 7 – Table of Compliance found in “AppendixE\_2013-2014ApplicationTableTemplates\_V02.xls” posted to <http://eega.cpuc.ca.gov>. The “Decision Themes” are defined in that spreadsheet and line up with the table of contents from the decision.

Page number or Ordering Paragraph	Decision Theme	Requirement	Chapter/Page Reference in Application	PIP Section Reference
-----------------------------------	----------------	-------------	---------------------------------------	-----------------------

## Appendix H: Market Transformation Indicators and Supporting Materials

The file titled, “AppendixH\_MTI\_AndSupportingMaterials.zip,” posted to <http://eega.cpuc.ca.gov>, includes the spreadsheet of Market Transformation Indicators adopted by the Commission, as well as the supporting materials that were used in developing and vetting them at the November, 2011 workshop. The IOUs should use these materials and the provided metrics to complete the directives in the Decision to illustrate the market transformation case for the cited initiatives. In addition the market transformation indicators should guide market transformation activities in all sectors of the IOU portfolio.