

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

**Table 1: Total Projected Program Budget by Subprogram by IOU**

Subprogram	SCG (\$)
Plug Load and Appliances	\$15,487,898
<b>Total</b>	<b>\$15,487,898</b>

**Table 2: Total Projected Program Savings by Subprogram by IOU**

Subprogram	SCG Therms
Plug Load and Appliances	3,908,645
<b>Total</b>	<b>3,908,645</b>

**Table 1 - Sub-Program Budget: Projected Sub-Program Budget, by Calendar Year**

SCG Plug Load and Appliances	Program Year		
	2013	2014	Total
Admin (\$)	\$ 265,743	\$ 265,743	\$ 531,487
Marketing & Outreach (\$)	\$ 683,819	\$ 683,819	\$ 1,367,639
Direct Implementation (Non-Incentives) (\$)	\$ 2,137,973	\$ 2,137,973	\$ 4,275,947
Incentives (\$)	\$ 4,656,413	\$ 4,656,413	\$ 9,312,826
<b>Total Budget</b>	<b>\$ 7,743,949</b>	<b>\$ 7,743,949</b>	<b>\$ 15,487,898</b>

**Table 2 - Sub-Program Savings: Projected Net Energy & Demand Impacts by Calendar Year**

SCG Plug-Load and Appliances	Program	Years	Total
	2013	2014	
Gross KW	2,512	2,512	5,024
Gross kWh	5,962,517	5,962,517	11,925,034
Gross Therms	1,954,322	1,954,322	3,908,645

**Table 3.1 Short-Term Program Performance Metrics (PPMs)**

The IOUs have evaluated 2010-2012 PPMs in Resolution E-4385 for applicability to the 2013-2014 program cycle and propose to work collaboratively with Energy Division to develop revised program targets and PPMs as appropriate for the 2013-2014 program cycle. The IOUs will propose revisions in an advice letter, per additional guidance from Energy Division.

On December 2, 2010, the Commission issued Resolution E-4385, approving short-term Program Performance Metrics (PPMs) for Pacific Gas and Electric Company, Southern California Edison Company,

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

Southern California Gas Company and San Diego Gas and Electric Company for 2010-2012 statewide energy efficiency programs and subprograms. The Commission gave each PPM a metric type which indicated the reporting frequency: Metric type 2a indicates that the IOUs should report on the metric on an annual basis (unless indicated otherwise). Metric type 2b indicates the IOUs should report on the metric at the end of the program cycle.

<b>PPM # ID</b>	<b>Description Short Term Program Performance Metric</b>	<b>Metric Type*</b>
RES-3	Percentage of program rebates made through the point-of-sales mode relative to all rebates	2a
RES-4	Percentage of participating stores located in hard-to-reach (HTR) zip-codes relative all program participating stores.	2a
RES-6	Number of participating retailers, and number of retail store locations by retailers, and other reseller receiving training.	2a
RES-7	Number of participating retailers received detailing.	2a
RES-8	Numbers and names of specific types of market actors (retailers, buying groups, manufacturers, and distributors) participating in the program and the approximate percent of all potential market actors that this represents	2b
RES-14	Level of program participants' AKA (awareness, knowledge and attitude) toward the appliance recycling subprogram.	2b
RES-15	Number of recycled appliance by year, type, model# (as available), age (estimated) and size.	2a

\*Metric Type 2a: Report on an annual basis

Metric Type 2b: Report at the end of cycle

**Table 3.2 Long Term Program Performance Metrics (PPMs)**

Per guidance from Energy Division received in December 2012, the approved Market Transformation Indicators for 2013-2014 were filed in a Joint IOU matrix in PG&E's January 14, 2013 compliance filing.

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

<b>MTI Index#</b>	<b>RE-CATEGORIZED Metric (LTPPM - or SPI) [E-4385 Appendix B original text except for noted edits]</b>	<b>Unresolved Issues</b>
Appliance-1	<u>MT Indicator 1</u> : Saturation levels of "inefficient, older refrigerators and freezers" in California homes as demonstrated through appliance: age, size and efficiency.	As a LTPPM, needs work. Suggested revision - "Saturation levels of key appliances (refrigerator, washer, etc) by size and energy usage".

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

**Table-4a: Measure Savings / Work Paper**

Measures List	Data Sources			
	DEER	WP Approved	WP Pending Approval	WP Submitted Awaiting Review
<b>Water Heater</b>				
<b>Gas</b>				
Level 1 - >=0.62<0.66 (SCG)	✓			
Level 2 - >=0.67 (SDG&E, SCG)	✓			
Level 1 - >=0.62<0.65 (PG&E)	✓			
Level 2 - >=0.65 (PG&E)	✓			
Electric >=0.93 (>=0.92 for SDG&E)	✓			
<b>Insulation</b>				
Attic to R38(PG&E), (SCG R30)	✓			
Wall >= R13	✓			
<b>Refrigerator</b>				
ENERGY STAR® (SCE)	✓			
ENERGY STAR® Most Efficient (SCE)			✓	
CEE Tier 3 (PG&E and SDG&E)			✓	
<b>Furnace</b>				
92 AFUE (SCG)	✓			
94 AFUE (PG&E)	✓			
95 AFUE (SCG and SDG&E)	X			
96 AFUE (PG&E)	✓			
VSM Replacement Motor (PG&E, SDG&E)				✓
<b>Pool Pump Variable speed pump</b>		✓		
<b>Whole House Fan (SCE and PG&amp;E)</b>		✓		
<b>Ducted Evaporative Coolers (SCE) add Window Evaporative Coolers</b>				
<b>Cool Roof (PG&amp;E)</b>				
Low sloped (excluding CZ 13)	✓			
Steep Sloped Level 1	✓			
Steep Sloped Level 2	✓			
<b>HVAC/Heat Pump</b>	✓			
<b>Shower Heads</b>				
Thermostatic Low Flow Restrictive Valve (SDG&E, SCG)		✓		
Low Flow Shower Heads (SDG&E, SCG)		✓		
<b>Therm Kit – Low Flow Showerheads / Aerators</b>		✓		

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

(SDG&E, SCG)				
Television ENERGY STAR® 5.3 + **%		X		✓
<b>Statewide Appliance Recycling</b>				
Refrigerator 10ft <sup>3</sup> < size < 32ft <sup>3</sup>	✓			
Freezer 10ft <sup>3</sup> < size < 32ft <sup>3</sup>	✓			
<b>Retailer Based Appliance Recycling</b>				
Refrigerator 10ft <sup>3</sup> < size < 32ft <sup>3</sup>				✓
Freezer 10ft <sup>3</sup> < size < 32ft <sup>3</sup>				✓
<b>Table-4b: IOUs' Exploratory Measures Considered for 2013-14</b>				
	<u>Data Sources</u>			
<b>Measures List</b>	<b>DEER</b>	<b>WP Approved</b>	<b>WP Pending Approval</b>	<b>WP may be developed &amp; submitted</b>
Hybrid electric Heat Pump =2.0				✓
<b>Furnace</b>				
94 AFUE(SDG&E)	✓			
95 AFUE (SDG&E and SCG)	X			
96 AFUE (SDG&E and SCG)	✓			
VSM Replacement Motor (PG&E) (SDG&E exploratory)				✓
Clothes Washer				✓
Set-top boxes				✓
ENERGY STAR® 6.0 TV's				✓
Audio/Video Equipment's				✓
Blue Ray DVD Players				✓
Heat Pump Dryers				✓
Mono Chromatic Window				X
Smart Thermostat				X
Variable Speed Replacement Motors				X
Window Evaporative Coolers				✓

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

**Table 5: Sub-Program Milestones and Timeline**

<b>Milestone</b>	<b>Estimated Date</b>
2013-14 Program Launch	Q1-2013
PLA Workshops	At Least Twice per Year
SW IOU Program Update Meetings with Energy Division	Every Other Month
IOU Trials/Pilots Planning Completed	Q2-2013
IOU Trials/Pilots Launch	Q3/Q4-2013
2015+ Cycle PIP Development	Q1-2014
2015+ Cycle PIP Filing	Q2-2014

**Table 6: Geographic Regions**

<b>Geographic Region</b>	<b>PG&amp;E</b>	<b>SCE</b>	<b>SDG&amp;E</b>	<b>SoCalGas</b>
CEC Climate Zone 1	x			
CEC Climate Zone 2	x			
CEC Climate Zone 3	x			
CEC Climate Zone 4	x			x
CEC Climate Zone 5	x			x
CEC Climate Zone 6		x	x	x
CEC Climate Zone 7		x	x	x
CEC Climate Zone 8		x	x	x
CEC Climate Zone 9		x		x
CEC Climate Zone 10		x	x	x
CEC Climate Zone 11	x			
CEC Climate Zone 12	x			
CEC Climate Zone 13	x	x		x
CEC Climate Zone 14		x	x	x
CEC Climate Zone 15		x	x	x
CEC Climate Zone 16	x	x		x

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

**Table 7: Program Administration of Program Components**

<b>Program Name</b>	<b>Program Component</b>	<b>Implemented by IOU Staff? (X = Yes)</b>	<b>Implemented by contractors to be selected by competitive bid process (if Yes then enter type of contractor/other market actor possibly used)</b>	<b>Implemented by contractors NOT selected by competitive bid process (list prime contractor and sub-contractor names)</b>	<b>Implemented by local government or other entity ( X = Yes)</b>
PLA	Appliance Recycling	X			
PLA	Program Support	X			
PLA	Processing Support	X			
PLA	Program Marketing	X			
PLA	Direct Implementation Activities	X			
PLA	Internal/external program reporting	X			
PLA	Call Center	X			

**Table 8: Customer Eligibility Requirements (Joint Utility Table)**

<b>Customer Eligibility Requirement (list of requirements)</b>	<b>PG&amp;E</b>	<b>SCE</b>	<b>SDG&amp;E</b>	<b>SCG</b>
Working (e.g., cooling) appliance	X	X (AR Only)	X (AR Only)	N/A
Refrigerator/Freezer are 10 - 32 cubic feet in size	X	X (AR Only)	X (AR Only)	N/A
Units are located in IOU service territory	X	X	X	X
Customer has "active" service account	X	X	X	X
Residential Dwelling	X	X	X	X
Retail Store within IOU Service Territory	X	X	X	X
Customers within IOU Service Territory	X	X	X	X
Business Customers	X (AR Only)	X (AR Only)	X	N/A
A qualifying product must be purchased and installed within program application guidelines.	X	X	X	X
Proof of purchase must be provided with application.	X	X	X (mail-in rebate)	X
1 product per active service account.	3 ≤ Inspection	X	N/A	X

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

Product and installation may be inspected.	X	X	X	X
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AR : Appliance Recycling

**Table 9: Contractor Eligibility Requirements (Joint Utility Table)**

<b>Contractor Eligibility Requirement (list of requirements)</b>	<b>PG&amp;E</b>	<b>SCE</b>	<b>SDG&amp;E</b>	<b>SCG</b>
Complies with EPA Responsible Appliance Disposal (RAD) requirements	X	X (AR Only)	X (AR Only)	N/A
Meets all federal, state and local laws, ordinances and regulations	X	X	X	X
Retailers comply with all Appliance Recycling requirements	X	X (AR Only)	X	N/A
Retailer Agreements Point of Sale Rebates	X	X	X	X
Retailer Agreements BCE	X	X	N/A	N/A
Retailer Agreements Receipt Messaging	X	X	N/A	X
Sign IOU Contractor Agreement	X (Pools)	X	X	X

**Table 10: Manufacturer/Retailer/Distributor Partners**

<b>Manufacturer/Retailer/ Distributor Partner Information</b>				
[list kinds of manufacturers / Retailer / Distributor]	<b>PG&amp;E</b>	<b>SCE</b>	<b>SDG&amp;E</b>	<b>SCG</b>
Manufacturers enrolled in program	None	None	None	None
Manufacturers targeted for enrollment in program	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device, Service Providers	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device, Service Providers	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device, Service Providers	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device, Service Providers
Retailers enrolled in program	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device,	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device,	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device,	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device,

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

	Service Providers	Service Providers	Service Providers	Service Providers
Retailers targeted for enrollment in program	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device, Service Providers	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device, Service Providers	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device, Service Providers	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device, Service Providers
Distributors enrolled in program	None	None	None	None
Distributors targeted for enrollment in program	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device, Service Providers	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device, Service Providers	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device, Service Providers	Plug-load Appliance, Consumer Electronics, Miscellaneous Plug Load Device, Service Providers

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

**Table 11: Summary Table of Measures, Incentive Levels and Verification Rates**

Measure Group	Market Actor Receiving Incentive or Rebate[1, 2]	PG&E		SCE		SDG&E <sup>5</sup>		SCG	
		Incentive Level	Inspection Rate	Incentive Level	Inspection Rate	Incentive Level	Inspection Rate <sup>3</sup>	Incentive Level	Inspection Rate
<b>Water Heater</b>									
<b>Gas</b>									
Level 1 - >=0.62<0.66	Down-stream	N/A	N/A	Redacted	Redacted	N/A	N/A	\$35.00	5%
Level 2 - >=0.67	Down-stream	\$200.00	2%	Redacted	Redacted	\$100.00	>=2%	\$75.00	5%
Electric >=0.93	Down-stream	N/A	N/A	Redacted	Redacted	\$100.00	>=2%	N/A	N/A
Hybrid electric Heat Pump =2.0	Down-stream	\$500.00	2%	Redacted	Redacted	\$250.00	N/A	N/A	N/A
Energy Star Dishwasher	Down-stream	N/A	N/A	N/A	N/A	N/A	N/A	\$30; sunset Q2 2013	5%
<b>Insulation</b>									
Attic to (SDG&E and SCG R30)	Down-stream	N/A	N/A	Redacted	Redacted	N/A	N/A	\$0.15	5-100%
Wall >= R13	Down-stream	N/A	N/A	Redacted	Redacted	\$0.15	>=2%	\$0.15	5-100%
<b>Refrigerator</b>									
ENERGY STAR® (SCE)	Down-stream	N/A	N/A	Redacted	Redacted	\$50.00	N/A	N/A	N/A
ENERGY STAR® Most Efficient (SCE)	Down-stream	N/A	N/A	Redacted	Redacted	N/A	N/A	N/A	N/A
CEE Tier 3 (PG&E, SDG&E)	Down-stream	\$75.00	2%	Redacted	Redacted	\$75.00 <sup>4</sup>	>=2%	N/A	N/A
<b>Clothes Washer</b>									
Energy Star (SDG&E, SCG & SCE)	Down-stream	N/A	N/A	Redacted	Redacted	\$35.00	N/A	\$35.00	5%
CEE tier III (PG&E, SDG&E)	Down-stream	\$50.00	2%	Redacted	Redacted	\$50.00	>=2%	\$50.00	5%
<b>Furnace</b>									
92 AFUE (SCG)	Down-stream	N/A	N/A	Redacted	Redacted	N/A	N/A	\$150.00	5%
94 AFUE(PG&E)	Down-stream	\$150-200; sunset 1Q2013	2%	Redacted	Redacted	N/A	N/A	\$150.00	5%
95 AFUE (SCG and SDG&E)	Down-stream	N/A	N/A	Redacted	Redacted	\$100.00	>=2%	\$150.00	5%
96 AFUE (PG&E)	Down-stream	\$250-300; sunset 1Q2013	2%	Redacted	Redacted	N/A	N/A	\$200.00	5%

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

Measure Group	Market Actor Receiving Incentive or Rebate[1, 2]	PG&E		SCE		SDG&E <sup>5</sup>		SCG	
VSM Replacement Motor (PG&E, SDG&E)	Down-stream	\$50; sunset 1Q2013	2%	Redacted	Redacted	\$200.00	N/A	N/A	N/A
Gravity Wall Furnace >70 AFUE	Down-stream	N/A	N/A	Redacted	Redacted	N/A	N/A	\$50.00	0-100%
<b>Pool Pump</b>									
Variable speed pump (Customer)	Down-stream	\$100.00	2%	Redacted	Redacted	\$200.00	>=2%	N/A	N/A
Variable speed pump (Contractor)	Midstream	\$200.00	N/A	Redacted	Redacted	\$100.00	N/A	N/A	N/A
<b>Whole House Fan (SCE and PG&amp;E)</b>	Down-stream	N/A	N/A	Redacted	Redacted	N/A	N/A	N/A	N/A
<b>Ducted Evaporative Coolers (SCE) and Window Evaporative Coolers</b>	Down-stream	N/A	N/A	Redacted	Redacted	N/A	N/A	N/A	N/A
<b>HVAC/Heat Pump</b>	Down-stream	N/A	N/A	Redacted	Redacted	N/A	N/A	N/A	N/A
<b>Tankless Water Heater (SCG)</b>	Down-stream								
E-Star EF=.82 (SCG)	Down-stream	N/A	N/A	Redacted	Redacted	N/A	N/A	\$150.00	0-100%
EF ≥ 0.90 (SCG)	Down-stream	N/A	N/A	Redacted	Redacted	N/A	N/A	\$200.00	0-100%
<b>Shower Heads</b>	Down-stream	N/A	N/A						
Thermostatic Low Flow Restrictive Valve (SCG)	Down-stream	N/A	N/A	Redacted	Redacted	\$5.00	N/A	\$15.00	0%
Low Flow Shower Heads (SCG)	Down-stream	N/A	N/A	Redacted	Redacted	\$5.00	N/A	\$0.00	0%
<b>Therm Kit – Low Flow Showerheads/aerators (SCG and SDG&amp;E)</b>	Down-stream	N/A	N/A	Redacted	Redacted	\$15.00		\$0.00	0%
<b>Television Energy Star 5.3+20%; 5.3+35% 6+20%; 2013 Most Efficient</b>	Midstream	\$3.60-\$29	N/A	Redacted	Redacted	N/A	N/A	N/A	N/A
<b>Appliance Recycling</b>									
Refrigerator 10ft <sup>3</sup> < size < 32ft <sup>3</sup>	Down-stream	\$35.00	N/A	Redacted	Redacted	\$35.00	>=2%	N/A	N/A
Freezer 10ft <sup>3</sup> < size < 32ft <sup>3</sup>	Down-stream	\$35.00	N/A	Redacted	Redacted	\$35.00	>=2%	N/A	N/A
<b>Retailer Appliance Recycling</b>	Down-stream								
Refrigerator 10ft <sup>3</sup> < size < 32ft <sup>3</sup>	Down-stream	\$35.00	N/A	Redacted	Redacted	\$35.00	>=2%	N/A	N/A

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

Measure Group	Market Actor Receiving Incentive or Rebate[1, 2]	PG&E		SCE		SDG&E <sup>5</sup>		SCG	
Freezer 10ft <sup>3</sup> < size < 32ft <sup>3</sup>	Down-stream	\$35.00	N/A	Redacted	Redacted	\$35.00	>=2%	N/A	N/A
Energy Star Room A/C	Down-stream	N/A	N/A	Redacted	Redacted	\$50.00	>=2%	N/A	N/A

- [1] The final incentive delivery channel used for each measure may be changed in response to market conditions
- [2] SDG&E employs various incentive channels (upstream, midstream, and downstream) as needed in response to market conditions
- [3] SDG&E inspection rate for all measures is 5% at this time (100% inspection rate for self-install insulation)
- [4] SDG&E rebate amount for Refrigerators CEE Tier 2 and above is \$50 at this time
- [5] SDG&E is not currently offering all measures that are listed above at this time.

\* N/A - Not applicable. This rebate or inspection is not offered by the utility.

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

**Table 12: Additional Services**

<b>Additional Services that the Sub-Program Will Provide</b>	<b>To Which Market Actors</b>	<b>PG&amp;E</b>	<b>SCE</b>	<b>SDG&amp;E</b>	<b>SCG</b>
In Store Demo	Customer	Ongoing	TBD	TBD	TBD
Retail sales staff training	Retail Sale Staff	Ongoing	Ongoing	Ongoing	Ongoing
Contractor training	Contractor	TBD	TBD	TBD	TBD
POP merchandizing	Retailer	Ongoing	Ongoing	Ongoing	Ongoing

For each service provided, indicate any expected charges to market actors of the services, and/or the level at which any such services will be incented or funded.

**Table 13: Program Related Audits**

<b>Levels at Which Program Related Audits Are Rebated or Funded</b>	<b>Who Receives the Rebate/Funding (Customer or Contractor)</b>
n/a	

**Table 14: Quality Assurance Provisions**

<b>QA Requirements</b>	<b>QA Sampling Rate (Indicate Pre/Post Sample)</b>	<b>QA Personnel Certification Requirements</b>
Post-Inspection	2% but up to 100%	Inspector
Certified Contractors	Not component of PLA program	Customer responsibility to mark off on application

Inspector – A knowledgeable qualified inspector who visits customer homes to verify and inspect that the measure(s) is (are) installed.

\*PG&E Inspection - Measures are verified and inspected by member of PG&E's Central Inspection Program Team.

**CalSPREE Program- Plug Load and Appliances  
Attachment 1**

**Table 15: Cross-cutting Sub-program and Non-IOU Partner Coordination**

<b>Program / Sub-Program Name</b>		
<b>Other IOU Sub-program Name</b>	<b>Coordination Mechanism</b>	<b>Expected Frequency</b>
Residential New Construction	Conference Call	Quarterly
Lighting	Conference Call	Quarterly
Energy Upgrade California	Conference Call	Quarterly
ESAP/CARE/FERA	Conference Call	Quarterly
Multifamily	Conference Call	Quarterly
Codes & Standards	Conference Call	Quarterly
Workforce Education and Training	Conference Call	Bi-Annual
Marketing Education and Outreach	Conference Call	Bi-Annual
<b>Coordination Partners Outside CPUC</b>		
ENERGY STAR®	Conference	1X Year
Consortium for Energy Efficiency	Conference	1X Year

NOTE: Column C --> Integrated/coordinated Demand Side Management: As applicable, describe how sub-program will promote customer education and sub-program participation across all DSM options. Provide budget information of non-EE sub-programs where applicable. Column D --> Integration across resource types (energy, water, air quality, etc.): If sub-program aims to integrate across resources types, please provide rationale and general approach

**Table 16: Non-EE Sub-Program Information**

<b>Plug Load and Appliances</b>		
<b>Non-EE Sub-Program</b>	<b>Budget</b>	<b>Rationale and General Approach for Integrating Across Resource Types</b>
On Line Buyers Guide	TBD	Energy Saving Tips
Universal Audit Tool	TBD	Rebate Opportunity