

# Home Energy Reports Cal TF Tier 2 Presentation



**CALIFORNIA**

TECHNICAL FORUM

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# Miscellaneous Category Measure Affirmation

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*“Cal TF affirms the subcommittee recommendations regarding ‘Stage 1 Issues’ for Miscellaneous Measures.”*

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- 11.01, Home Energy Reports

# Miscellaneous Category Measures

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No.	Measure Names	PG&E	SCE	SDG&E	SCG	POU
11.01	Home Energy Reports					
11.02	Home Energy Check Up					
11.03	Whole House Upgrade Program					
11.04	3P Synergy Water Measures Mobile Home					
11.05	Water Energy Nexus					
11.06	DEER Measures					
11.07	Energy Star Manufactured Housing					
11.08	Low Income M&V Study					

# Home Energy Report Savings

## 2015 evaluations

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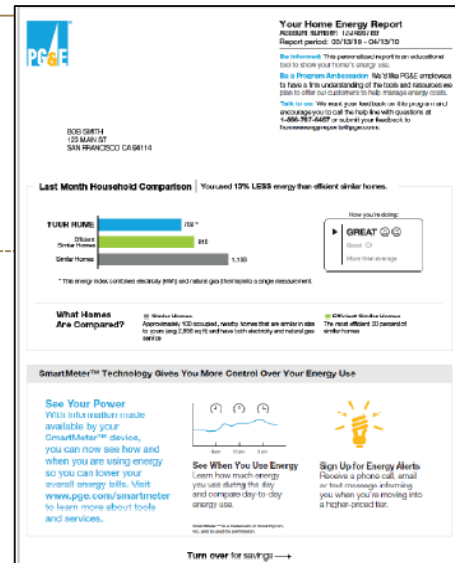
<i>PGE HER</i>	Launch Date	Treatment	Per-HH Savings (kWh)	% Savings	Per-HH Savings (therm)	% Savings
	(yy-Mon)	Households	Adjusted	Adjusted	Adjusted	Adjusted
Beta	11-Jul	60,000	208	2.10%	7.2	1.10%
Gamma - Dual Standard	11-Nov	72,000	100	1.50%	2.6	0.70%
Gamma - Dual Reduced	11-Nov	72,000	84	1.20%	2.9	0.80%
Gamma - Electric only	11-Nov	45,000	117	1.70%		
Wave One - Dual	12-Feb	360,000	111	1.60%	3.7	0.90%
Wave One - Electric only	12-Feb	40,000	129	1.70%		
Wave Two - Area 7	13-Feb	80,000	94	1.60%	5.3	1.30%
Wave Two - Non Area 7	13-Feb	305,000	112	1.70%	4.1	1.00%
Wave Three	13-Jul	225,000	99	1.50%	3.4	0.90%
Wave Four	14-Mar	200,000	73	1.20%	3.3	0.90%
Wave Five	14-Oct	210,000	107	1.20%	2.7	0.60%
Wave Six	15-Sep	312,000	9	0.50%	0.7	0.50%
<b>PGE Total</b>				<b>1.44%</b>		<b>0.86%</b>
<i>SCE HER</i>						
Opower-2	14-Mar	67,139	70	0.90%		
<b>SCE Total</b>		<b>67,139</b>	<b>70</b>	<b>0.90%</b>		
<i>SDGE HER</i>						
Opower-1	11-Jul	20,000	210	2.20%	8	1.80%
Opower-2	14-Nov	95,000	40	0.70%	0	0.10%
<b>SDGE Total</b>				<b>1.04%</b>		<b>0.41%</b>

# Measure Consensus

## 11.01 – Home Energy Reports

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- Offering
  - Provide periodic energy reports to customers on opt-out basis
    - ✖ Report includes comparison of energy use with peer group of similar customers
    - ✖ Also includes customized tips for energy savings
- Stage 1 Issues
  - Savings are claimed on ex post basis
  - Comparing with similar programs elsewhere
    - ✖ TRM methodology – looking at other states' TRMs
    - ✖ *EUL – 1 yr in CA*
    - ✖ Cost – IOU / POUs determining cost
  - Exploring overlap issues with Home Energy Checkup
    - ✖ *2016 Universal Audit Tool evaluation suggests no double-counting*
    - ✖ *Home Energy Report participation may reduce available savings for UAT users*
- Measure Extension
  - POU TRM has provisional measure, 1.48% deemed electric savings, 0.6% deemed gas savings (*TRM recommends Randomized Control Trial ex post determination in lieu of deemed percent savings*), 1 year EUL
- Stage 2 Issues
  - Review EUL/Cost methodology and measure life/decay rate approaches used elsewhere in country for applicability and transferability
  - Considerable research as been done around the country that should be reviewed and reflected
  - Review savings vs. participation time
    - ✖ *SCE, SDG&E evaluated savings lower than most PG&E waves*
    - ✖ *A better understanding of this may allow for development of usable ex ante savings estimates*



# Input Consensus

## 11.02 – Home Energy Reports

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- Measure Permutations

		Measure Data Field			
Measure Data Field	Measure Value	PG&E	SCE	SDG&E	SCG
BldgType	SFm	Res	No Value	No Value	No Value
BldgVintage	Any	Any	No Value	No Value	No Value
BldgLoc	Any	Any	No Value	No Value	No Value
BldgHVAC	Any	cWtd	No Value	No Value	No Value
HOU					
IE Factor					
Use Category	Behavior	Behavior	No Value	No Value	No Value
TechType			No Value	No Value	No Value
Cost Adjustment Type	NA				

- Measure Implementation

		Measure Data Field			
Measure Data Field	Measure Value	PG&E	SCE	SDG&E	SCG
MeasureAppType	ROB	ROB	No Value	No Value	No Value
NormUnit	Household	Each	No Value	No Value	No Value
EUL ID	1 yr	NA	No Value	No Value	No Value
EUL ID - Host Equipment					
NTGR	Behavior_RCT (1.0)	NA	No Value	No Value	No Value
DeliveryType	CompUsage	CompUsage	No Value	No Value	No Value
GSIA	Def-GSIA	Def-GSIA	No Value	No Value	No Value

# Miscellaneous Category Measure Affirmation

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- 11.01, Home Energy Checkup

# Next Steps

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- Any questions, feedback, or issues, please reach out!
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  - Ayad Al-Shaikh ([Ayad.AlShaikh@futee.biz](mailto:Ayad.AlShaikh@futee.biz))

## Thank You!