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September 1, 2021

ADVICE LETTER 3842-E/3012-G

(San Diego Gas & Electric - U 902 M)

ADVICE LETTER 4578-E

(Southern California Edison Company – U338 E)

ADVICE LETTER 4482-G/6314-E

(Pacific Gas and Electric Company – U39 M)

ADVICE LETTER 5861-G

(Southern California Gas Company – U 904 G)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

SUBJECT: JOINT IOU ADVICE LETTER PURSUANT TO DECISION 21-06-015 FOR THE

ENERGY SAVINGS ASSISTANCE (ESA) PROGRAM DESIGN AND DELIVERY OF THE MEASURE TREATMENT TIERS FOR PROGRAM

YEARS 2022-2026

PURPOSE

In accordance with Decision (D.) 21-06-015, Ordering Paragraph (OP) 58 and OP 115, San Diego Gas & Electric Company (SDG&E)¹, Pacific Gas and Electric Company (PG&E), Southern California Edison Company (SCE) and Southern California Gas Company (SoCalGas), (collectively, the investor-owned utilities (IOUs)) hereby jointly submit to the California Public Utilities Commission (Commission or CPUC) this Advice Letter (AL) detailing the ESA Program design and delivery of the treatment tiers including the set of measures offered within each treatment tier and the customer segments or need states eligible for each treatment tier.² The IOUs also propose a consistent definition for low, medium, and high usage customers, review the measure mix using the 0.30 Energy Savings Assistance Cost Effectiveness Test (ESACET) criteria, and identify the results as shown in Appendix A hereto.³

BACKGROUND

In 1990, the California legislature adopted and codified the ESA Program.

¹ Pursuant to Rule 1.8(d) of the Commission's Rules of Practice and Procedure, SDG&E is authorized to submit this joint advice letter on behalf of the IOUs.

² D.21-06-015 at Attachment 3, Energy Savings Assistance Program's Compliance Filing Requirements (Program Years 2021-2026).

³ Id.; see also id. at 499-500, OP 115.

California Public Utilities Code Section 2790(a) states:

The commission shall require an electrical or gas corporation to perform home weatherization services for low-income customers, as determined by the commission under Section 739, if the commission determines that a significant need for those services exists in the corporation's service territory, taking into consideration both the cost-effectiveness of the services and the policy of reducing the hardships facing low-income households.

In addition, California Public Utilities Code Section 2790(c) states:

Weatherization may also include other building conservation measures, energy-efficient appliances, and energy education programs determined by the Commission to be feasible, taking into consideration for all measures both the cost-effectiveness of the measures as a whole and the policy of reducing energy-related hardships facing low-income households.

The ESA Program provides no-cost home weatherization services and energy efficiency measures to help low-income households (single family, in-unit multifamily, and mobile homes) conserve energy and reduce energy costs while improving health, comfort, and safety.⁴ The ESA Program provides information and education to promote energy efficient practices in low-income communities. The income eligibility for ESA Program participation is set at 200 percent (%) or below of the Federal Poverty Guidelines.⁵

The multifamily common area measure (MF CAM) initiative under the ESA Program also provides no-cost weatherization services and energy efficiency measures to eligible deed-restricted multifamily properties that meet the income eligibility requirements of the ESA Program.⁶

DISCUSSION

On June 7, 2021, the Commission adopted D.21-06-015 authorizing the IOUs' ESA Programs and budgets for the 2021-2026 program cycle. D.21-06-015 directs the IOUs to meet and confer and to jointly submit a compliance Tier 2 advice letter within 90 days of the Decision to include the ESA Program design and delivery of treatment tiers, including the measure mix offered within each treatment tier, and customer segments or need states eligible for each treatment tier. The IOUs are directed to strive for alignment in the treatment tier delivery, minimizing where there are differences and deviations, and to provide rationale where there

⁷ D.21-06-015 at 318-319; see also id. at 484, OP 58.

⁴ Cal. Pub. Util. Code § 2790.

⁵ Cal. Pub. Util. Code § 739.1(a).

⁶ See D.17-12-009 at 431, OP 81states, "Consistent with Section 2790 (c), ESA treatment should occur at the property level, including common area measures, and not just inside the dwelling's unit."

is no statewide consistency.⁸ D.21-06-015 further directs the IOUs to propose a consistent statewide definition for low, medium, and high usage customers.⁹

Furthermore, the Decision directs the IOUs to use an average 0.7 ESACET target for the portfolio level as a guideline when developing the ESA Program portfolio measure mix for each program year. The IOUs must also re-evaluate all the measures with the ESACET scores of less than 0.30 to determine if the measure should be removed from the portfolio. In consideration of the ESACET thresholds, the Decision states "this is not a requirement that overall portfolio must meet the 0.7 ESACET threshold, or that every measure must meet the 0.3 ESACET minimum, but that these are the guidelines to be used, with discretion for exceptions for measures as described above."

In addition, D.21-06-015 directs the IOUs to implement a Northern and a Southern Multifamily Whole Building (MFWB) program starting in program year 2023 that will include MF in-unit, MF CAM, and MFWB as a single unified program.¹³

Advice Letter Criteria

In D.21-06-015, the Commission provided the criteria under which the Energy Division will review and dispose of the IOUs' Tier 2 AL.¹⁴ The AL must meet the following criteria:

- 1. The IOUs list each treatment level, customer segment to be treated, and measure(s) to be installed.
- 2. The IOUs list whether these treatment, segment, and measure combinations are consistent or different across the IOUs.
- 3. Each combination also lists the estimated number of household treatments, and treatment cost per household, by IOU.
- 4. The IOUs use consistent definitions and methodologies in describing and quantifying number of customers in a segment.
- 5. For each IOU, the product of the estimated number of household treatments and treatment cost per household across all segments is similar to the authorized "Energy Efficiency Total" (informally known as above the-line) budget." ¹⁵

⁸ *Id.* at 318-319.9 *Id.*; see also id. at 484, OP 58.

⁹ *Id.*; see also id. at 484, OP 58.

¹⁰ *Id.* at 491, OP 83.

¹¹ *Id.* at 250-251; see also id. at 491, OP 83.

¹² *Id*.

¹³ *Id.* at 501, OP 120; see also id. at 354.

¹⁴ *Id.* at Attachment 3, Section 4.

¹⁵ *Id*.

Accordingly, the IOUs timely submit this advice letter and provide information consistent with the above listed criteria in Appendix A. Appendix A also includes the definition for low, medium, and high customer usage, and the measure mix results using the ESACET portfolio and ESACET measures criteria.

EFFECTIVE DATE

Pursuant to General Order (GO) 96-B and OP 58 of the Decision, this is a Tier 2 AL subject to Energy Division disposition and should be classified as Tier 2 (effective upon approval) and the IOUs respectfully requests an approval date of October 1, 2021, 30 days after the date submitted.

PROTEST

Anyone may protest this advice letter to the California Public Utilities Commission. The protest must state the grounds upon which it is based, including such items as financial and service impact, and should be submitted expeditiously. The protest must be made in writing and received by September 21, 2021, which is 20 days after the date this advice letter was submitted with the Commission. There is no restriction on who may submit a protest. The address for mailing or delivering a protest to the Commission is:

CPUC Energy Division Attention: Tariff Unit 505 Van Ness Avenue San Francisco, CA 94102

Copies of the protest should also be sent via e-mail to the attention of the Energy Division at EDTariffUnit@cpuc.ca.gov. A copy of the protest should also be sent via e-mail to the address shown below on the same date it is mailed or delivered to the Commission.

For SDG&E:

Attn: Greg Anderson Regulatory Tariff Manager

E-Mail: GAnderson@sdge.com & SDGETariffs@sdge.com

For PG&E:

Sidney Bob Dietz II
Director, Regulatory Relations
c/o Megan Lawson
Pacific Gas and Electric Company
77 Beale Street, Mail Code B13U
P.O. Box 770000
San Francisco, California 94177
Facsimile: (415) 973-3582

Facsimile: (415) 973-3582 E-mail: PGETariffs@pge.com

For SCE:

Shinjini C. Menon Managing Director, State Regulatory Operations Southern California Edison Company 8631 Rush Street Rosemead, California 91770 Telephone (626) 302-3377 Facsimile: (626) 302-9645

E-mail: AdviceTariffManager@sce.com

Tara S. Kaushik Managing Director, Regulatory Relations c/o Karyn Gansecki Southern California Edison Company 601 Van Ness Avenue. Suite 2030 San Francisco, California 94102

Facsimile: (415) 929-5544

E-mail: Karyn.Gansecki@sce.com

For SoCalGas:

Attn: Ray B. Ortiz Tariff Manager - GT14D6 555 West Fifth Street Los Angeles, CA 90013-1011 Facsímile No.: (213) 244-4957

E-mail: ROrtiz@socalgas.com

NOTICE

A copy of this filing has been served on the utilities and interested parties shown on the attached list including interested parties in A.19-11-003, et. al. by either providing them a copy electronically or by mailing them a copy hereof, properly stamped and addressed. Address changes should be directed to SDG&E Tariffs by e-mail at SDGETariffs@sdge.com.

> /s/ Clav Faber **CLAY FABER** Director - Regulatory Affairs





California Public Utilities Commission

ADVICE LETTER



ENERGIUILIII	OF CALIF
MUST BE COMPLETED BY UTI	LITY (Attach additional pages as needed)
Company name/CPUC Utility No.: San Diego Ga	ns & Electric (U902-M) et.al,
Utility type: GAS WATER PLC HEAT	Contact Person: Norma Toothman Phone #: 619-605-9877 E-mail: NLToothman@sdge.com E-mail Disposition Notice to: SDGETariffs@sdge.com
EXPLANATION OF UTILITY TYPE ELC = Electric GAS = Gas WATER = Water PLC = Pipeline HEAT = Heat WATER = Water	(Date Submitted / Received Stamp by CPUC)
Advice Letter (AL) #: 3842-E/3012-G	Tier Designation: 2
Program Design And Delivery Of T	To Decision 21-06-015 For The Energy Savings Assistance (ESA) The Measure Treatment Tiers For Program Years 2022-2026
Keywords (choose from CPUC listing): Complian AL Type: Monthly Quarterly Annual	
If AL submitted in compliance with a Commission D.21-06-015	on order, indicate relevant Decision/Resolution #:
Does AL replace a withdrawn or rejected AL? I	f so, identify the prior AL: $ m _{N/A}$
Summarize differences between the AL and th	e prior withdrawn or rejected AL: $ m N/A$
	✓ No nation: vailable to appropriate parties who execute a contact information to request nondisclosure agreement/
Resolution required? Yes No	
Requested effective date: 10/1/21	No. of tariff sheets: $ m N/A$
Estimated system annual revenue effect (%):	3
Estimated system average rate effect (%):	
When rates are affected by AL, include attach (residential, small commercial, large C/I, agricu	nment in AL showing average rate effects on customer classes Ultural, lighting).
Tariff schedules affected: $_{ m N/A}$	
Service affected and changes proposed $^{ ext{l:}}$ $_{ ext{N/A}}$	A
Pending advice letters that revise the same tar	iff sheets: $_{ m N/A}$

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

CPUC, Energy Division Attention: Tariff Unit 505 Van Ness Avenue San Francisco, CA 94102

Email: EDTariffUnit@cpuc.ca.gov

Name: Greg Anderson

Title:

Utility Name: San Diego Gas & Electric Address: 8330 Century Park Court, CP32C

City: San Diego

State: California Zip: 92123

Telephone (xxx) xxx-xxxx: Facsimile (xxx) xxx-xxxx: Email: GAnderson@sdge.com

Name: SDG&E Tariff Department

Title:

Utility Name: San Diego Gas & Electric Company Address: 8330 Century Park Court; CP 31D

City: San Diego

State: California Zip: 92123

Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email: SDGETariffs@Sdge.com

General Order No. 96-B ADVICE LETTER SUBMITTAL MAILING LIST

cc: (w/enclosures)

Public Utilities Commission
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F. Oh

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M. Salinas

L. Tan

R. Ciupagea

K. Navis

Tariff Unit

CA Energy Commission

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C. Farrell

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Regulatory

Barkovich & Yap, Inc.

B. Barkovich

Biofuels Energy, LLC

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Service List A.19-11-003

San Diego Gas & Electric Advice Letter 3842-E/3012-G

APPENDIX A

List of Measurements, Segments, and Treatment Tiers (PY2022-2026)

List of Measures, Segments, and Treatment Tiers (PY2022-2026) Table 1

Note: The I/OUs' program design and measure mix was approved in OP 59 of D 21-06-015 which states "program measure mix, as proposed in their applications and updated per the joint Tier 2 advice letter compliance filing, is approved."

OP 61 directs the IOUs to work with parties and stakeholders to propose ESA program measure changes through the ESA Working Group as the venue to discuss these measure changes, as well as changes to measure co-pays and measure replacement criteria, before submitting them for notification through the ESA monthly reports.

	.,		sure replacement criteri							,	en	G&E						SCE						SoCalGa				Basic IOU Alignment	Plus IOU Alignment Reason for Differences
		1		Climate	Sinnte	Multifamily	Mobile	Aveil To					SF MF	1	Avail To Pr	nosed	Special			Avail To	Proposed	I	Special				Avail To	Alignment	Alignment reason for Influences
Measure	Proposed Tier	Is Self Certification?	Special Segment ⁴	Zone (CZ)	Single Family (SF	Multifamily (MF)	Mobile Home (MH)	Avail. To Renters	Proposed Tier	Is Self Certification?	Special Segment ^e	cz	SF MF	МН	Avail. To Pr Renters	posed Tier Is Self Certification	? Segment ^e	CZ ALC7	SF MF	MH Avail. To Renters	Proposed Tier	Is Self Certification:	Segment	cz	SF MF	МН	Avail. To Renters		
Faucet Aerators	Basic	Y	NA	All CZ	4	V	4	4	Basic	Y	NA	All CZ	4	4	٧	sasic Y	NA	All CZ – Electric Water Heating	4	4 4	Basic	Y	N/A	All CZ	V V	4	4	V	
Low-Flow Showerhead or Combined Showerhead TSV	Basic	Y	NA	All CZ	4	V	V	¥	Basic	Y	NA	All CZ	4	4	٧	Basic Y	NA	All CZ – Electric Water Heading	4	4 4	Basic	Y	NA	All CZ	4 4	N	4	V	
Thermostatic Shower Valve	Basic	Υ	NA	All CZ	√	V	V	4	Basic	Y	NA	All CZ	4	√	ų.	Basic Y	N/A	All CZ – Electric Water	V V	4 4	Basic	Y	NA	All CZ	4 4	V	4	V	
Thermostatic Tub Spout/Diverter	Basic	Υ	NA	All CZ	4	V	V	4	Basic	Y	NA	All CZ	4	4	4						Basic	Y	NIA	All CZ	4 4	V	4	4	Gas utility measure only.
LED A-lamp Bulbs	Basic	Y	NA	All CZ	4	V	4	4	Basic	Y	NA	All CZ	4	√.	4	Basic Y	N/A	All CZ	4	4 4								٧.	Electric utility measure only. Electric utility measure only. As part of the cost effectiveness
LED Reflector Bulbs	Basic	Y	NA	All CZ	4	4	4	4	Basic	Y	NA	All CZ	4	4	4	Basic Y	NA	All CZ	4	4 4								4	measure review ordered in the Decision, Attachment 3, SDOSE has selected to remove this measure in 2023. SDOSE will revealuate this measure as part of the ESA Working Group to determine if reintroduction of this measure is warranted.
Power Strips ¹	Basic	Y	NA	All CZ	4	V	V	4	Basic	Y	NA	All CZ	4 4	V	٧	Basic Y	N/A	All CZ	4 4	4 4								V	Electric utility measure only.
Exterior Hard Wired LED Folumes	Plus	N	NA	Alicz	٧	٧	4	4								N N	NIA	All CZ	٧	٨									SCE program design includes this measure as part of their basic packages within register customers to reach swing levels per for country for measures in the Mary package. The ICUs program part of the cost effectiveness measure review ordered in the Decision, Accelerators 3, Decision Accelerators 1, Decision Accelerators 1, Decision Accelerators 1, Decision Accelerators 3, DECIS has selected to merous the measure. Decision Accelerators 3, Deci
Refrigerators	Plus	N	NA	All CZ	4	4	4	4	Plus	N	NA	All CZ	4	4	٧	N N	NIA	All CZ	4 4	4 4									DCE program design includes this measure as part of their basic packages which requires customers to reach savings levels prior to qualifying for measures in the PPPs packages. The USA program design and measures mix was approved in 0.21-06-016. Electric sisty measure only. EDGEE and DCE program design included ment floremostates as part of their facility coloration between 1 part of their package part of their facility coloration between 1 package design encountered in part of their facility coloration between 1 package design.
Smart Thermostat	Plus	N	NA	All CZ	4	V	4	ď	Basic	N	HEU	All CZ	4	4	4	Basic N	N/A	All CZ	1 1	1 1	Plus	N	N/A	All CZ	1	4	4		SOCAE and SCCE program design included smart thermostats as part of their basic packages to either 1) reach savings requirements included as part of program design, or 2) provide measures within provide interest to customers and help increase engagement. The 10Us program design and measure mix was approved in D.210–5. DEAE and STOCAE Provided file measures as part of the renorant
New - Air Purifiers	Plus	N	MBL and DAC/Tribal	All CZ	4	V	d	4	Plus	N D	MBL and DAC/CARB	All CZ	4	4	4														PG&E and SDG&E included this measure as part of the program design for customers in special segments. SoCalGas and SCE did not propose this measure. The IOIDs program design and measure mix was approved in D.21-08-015. Electric utility measure only.
New - Portable AC	Plus	N	MBL and DAC/Tribal and Rural	All CZ	√	V	V	√.	Plus	N M Bi	Aedial Baseline	Zones 10, 14, 15	4 4	4	V	Plus N	HEU	CZ 13, 14, 15	4	4 4									√ Electric utility measure only.
New - Diagnostic Air Sealing	Plus	N	HEU	All CZ	4	V	V	¥																					POAE included this measure as part of the program design for customers in special segments. SDAE, SCE and Sci-Cubias did not propose this measure. The IOUX program design and measure and was asserted in D.2.1-8-6115. POAE recibided this measure as part of the program design for customers in special largers. Sout SDAEE, SCE and SDACHOLD and program this measure. South SCE scenarios and program this measure. South SCE scenarios and program the season of the SCE scenarios.
Cold Storage	Plus	N	High Wildfire Threat Zone	All CZ	4	4	4	4																					PCSSE included this measure as part of the program design for customers in special segments. SDGSE, SCE and SoCalGas did not propose this measure. The IOUs program design and measure
New - Comprehensive Home Health and Safety Check-up?																					Plas	N	N/A	AI CZ		,			Socializes included this measure as part of the program design. PGAE SOCIAE, and SCE did not propose this measure. The IOUs program design and measure mix was approved in 0.2+06-015.
New Central Heat Pump - FS (Propane or Gas base)																Plus N	HEU	CZ 13, 14, 15	4	4 4									SCE included this measure as part of the program design for customers in special segments. POSE, SDOSE, and SCLADIAs of not propose this measure. The IOLia program design and measure not was approved in 0.21-08-015.
New - CO & Smoke Alarms	Plus	N	A	All CZ	V	4	4	V													Plus	N	N/A	All CZ	4 4	d	4		SoCalDas included this new measure as part of the program design, POME and SDOME include measure as a part of its micro frome repart offer. SOC did not propose the measure. The IOAs program design and measure mit was approved in D.2.1-02-01s.
New - Solar Water Heating																					Plus	N	HEU	All CZ	4 4	٧	V		SoCatQas included this new measure as part of the program design. PG&E_SDG&E, and SCE did not propose this measure. The IOUs program design and measure mix was approved in D.21-06-015.
New - Whole House Fan	Plus	N	NA.	4, 11, 12, 13, 14, 16		٧	4	4	Plus	N	NA	CZ 10, 14, 15	V		V														SOCIE included this new measure as part of the program design. POLE search to adopt this measure and misched in the pole. POLE search to adopt this measure and misched in the pole that safely plants as part of this will SCE did not propose the measure. SCE and SCALIGIAs did not propose the measure. The IOUs program design/and measure me was approved in 0.21-06- 105.
New - Clothea Dryers									Plus	N	NA	All CZ	4		v														As part of its orantil measure evaluation, ISOSAE added electric dynes to compleme to just any officing and than scholade both measures in the just complement selects after, as altered on OP 65, prop to informed in Fernand of the measures are swartered. POSE, SCH and Schafflass and only proper the measures the POSE, program design and measure on war expended in 12 15 06 015.
New - Dishwasher																Plus N	HEU	All CZ	4 4	4 4									SCE included this new measure as part of the program design. POSE, SCIGSE and ScCuliDias did not propose this measure. The IOUs program design and measure mix was approved in D.21-06- 015.
New - Evaporative Cooler Maintenance																Plus N	HEU	CZ 10, 13, 14, 15,16	٨	4 4									SCE included this new measure as part of the program design. POSE, SOGSE and SoCalGas did not propose this measure. The IOUs program design and measure min was approved in D.21-06-015.
Freezers	Plus	N	NA	All CZ	V	4	4	4								Plus N	HEU	All CZ	4 4	1 1									SCE included this measure as part of the program design. PG&E elected to adopt this measure and included it in this joint compliance advice start, as allowed in OP 99. SGD&Es and ScDaBas did not propose this measure. The IOUs program design and measure mix was approved in 0.21-66-015.
Furnace Clean & Tune																					Plus	N	N/A	All CZ	4 4	4	V		SoCalifas included this new measure as part of the program design. PGAE and SCE did not propose this measure, while SDGAE requised removal of this measures. The IOLs program design and missions mix was approved in D21-86-015.

List of Measures, Segments, and Treatment Tiers (PY2022-2026) Table 1

Note: The I/OUs' program design and measure mix was approved in OP 59 of D 21-06-015 which states "program measure mix, as proposed in their applications and updated per the joint Tier 2 advice letter compliance filing, is approved."

OP 61 directs the IOUs to work with parties and stakeholders to propose ESA program measure changes through the ESA Working Group as the venue to discuss these measure changes, as well as changes to measure co-pays and measure replacement criteria, before submitting them for notification through the ESA monthly reports.

			POSE							8	DG&E							SCE								SoCalGas					Basic IOU Alignment	Plus IOU Alignment	Reason for Differences
Measure	Proposed Tier	Is Self Certification?	Special Segment ⁶	Climate Zone (CZ)	Single Family (SF)	Multifamily Mobile (MF) Home (MH	Avail. To Renters	Proposed Tier	Is Self Certification?	Special Segment ⁴	cz	SF	MF	мн	Avail. To Propo Renters Tie	sed Is Self Certi	Speci-	,. c	z sr	MF	MH Av	vail. To	Proposed Tier	Self Certification?	Special Segment	cz	SF	MF	мн	Avail. To Renters			
Gas Furnace Repair/Replace 3	Plus	N	N/A	All CZ	√	V V	, , , , , , , , , , , , , , , , , , , ,	Plus	N	NA	All CZ	V	4	4	ALLES IN		J. J						Plus	N	NA	All CZ	4	4	V	rames.		4	Gas utility measure only
HE-FAU Repair/Replace ⁶	Plus	N	N/A	All CZ	4	4 4																	Plus	N	N/A	All CZ	4	4	V				SDG&E did not include this measure as part of its program design. The IOUs program design and measure mix was approved in D.21- 05-015. Gas utility measure only.
Room A/C Replacement								Plus	N	NA	CZ 10	V	4	4	√ Pk	s N	HEU	CZ 10 14,), 13, 15	4	4	v											Electric utility measure only. PG&E has selected to remove this measure. PG&E will reevaluate this measure as part of the ESA working group to determine if reintroduction of this measure is warranted.
Central A/C Replacement	Plus	N	NA	11, 12, 13, 14	4		4								Pk.	s N	HEU	CZ 13	š, 14, 5	~	4	~											SDG&E did not include this measure as part of its program design. The IOUs program design and measure mix was approved in D.21- IAL/ITS. Flantrin utility measure only.
Central Heat Pump Replacement	Plus	N	NA	11, 12, 13, 14	4	4	4								PL	s N	HEU	CZ 13	3, 14, 5	*	4	~											SDG&E did not include this measure as part of its program design. The IOUs program design and measure mix was approved in D.21- 08-015. Electric utility measure only.
Efficient Fan Controller								Plus	N	NA	All CZ Electric Heated Home	4			√ Pk	s N	неи	All	cz 4	4	Ą	1											POAE, SOCAE and SCE included this measure as part of their program design. The IOUs program design and measure mix was approved in D.21-66-015. As part of the cost effectiveness measurement orders of the Decision, Antonium F, FORE This saisofficient of the ESA working group to determine if reintroduction of this measure was a second or the CSA working group to determine if reintroduction of this measure was recommended.
Evaporative Cooler															P.	s N	неи	CZ 10 14, 1), 13, 5,16		А	7											POLE and SCE Included this measure as part of their program design. The 10Us program design and measure mix was approve in D.21-0-015 OP 50. As part of the cost effectiveness measure review contact in the Decision, Astalantee, 3. POLE This selection is the Cost of the C
Duct Sealing								Plus	N	NA	All CZ Electric Heated	V			4																		SDG&E is offering this measure in 2022. SDG&E has selected to remove this measure in 2023 and include it as part of Title 24
Prescriptive Duct Sealing	Plus	N	NA.	All CZ	4	4	4				Harris												Plus	N	N/A	All CZ	4		4	4			PG&E and SoCalGas included this measure as part of their progra- design. SDG&E and SCE did not include this measure. IOUs program design and measure mix was approved in D.21-08-015 OI
Central A/C Tune-up/Services	Plus	N	NA	CZ 2, 4, 6, 11, 12, 13, 14, 16	4	4 4	4								Pi.	s N	HEU		cz √	4	4	4											59. SDG&E did not include this measure as part of its program design. The IOUs program design and measure mix was approved in D.21 08-015
Envelope/Air Sealing Measures	Plus	N	N/A	All CZ	4	4 4	4	Plus	N	NΑ	All CZ	٧	4	4	√ Pk	s N	HEU	All I Elec Hea	CZ stric	4	4	V	Plus	N	NA	All CZ	4	4	V	4		4	
Attic Insulation	Plus	N	NA	All CZ	4	4	4	Plus	N	NA	All CZ Electric	V			√ Pk	s N	HEU	All C Elec Hea	Z – stric √	4		V	Plus	N	NA	All CZ	V	4		V		4	
Minor Home Repairs ^b	Plus	N	NA	All CZ	V	4 4	4	Plus	N	NA	All CZ	4	4	4	√ Pk	s N	HEU	All C Elec Hea	Z – stric ,	4	4	4	Plus	N	NA	All CZ	V	4	V	V		4	
Water Heater Repair/Replacement	Plus	N	NA	All CZ	4	4		Plus	N	NA	All CZ	V	V										Plus	N	NA	All CZ	V	4	V			4	Gas utility measure only
Heat Pump Water Heater	Plus	N	NA	All CZ	4	4 4	4	Plus	N	NA	All CZ	٧		4	√ Pk	s N	HEU	All CZ and	- E2E F8	4	4	V										4	Electric utility measure only.
Water Heater Blanket	Plus	N	N/A	All CZ	4	4 4	4	Plus	N	NA	All CZ			4	√ Pk	s N	HEU	Hear	ting	4	4	٧	Plus	N	N/A	All CZ	4	4	٧	V		4	SDG&E requested removal of this measure in its application. As part of the cost effectiveness measure review ordered in the Decision, Attachment 3, SDG&E has selected to continue to offer this measure for the specified segment.
Water Heater Pipe Insulation	Plus	N	NA	All CZ	4	4 4	4	Plus	N	NA	All CZ			4	√ Pk	s N	HEU	All C Elec Wa		4	4	V	Plus	N	NA	All CZ	V	4	٧	4		4	SDG&E requested removal of this measure in its application. As part of the cost effectiveness measure review ordered in the Decision, Attachment 3, SDG&E has selected to continue to offer
figh Efficiency Clothes Washer	Plus	N	NA	All CZ	4	4	4	Plus	N	NA	All CZ	V	4	4	√ Pk	s N	HEU	All	one cz √	- V	4	V	Plus	N	N/A	All CZ	4	4	4	V		4	this measure for the specified seament.
Pool Pumpa	Plus	N	NA	All CZ	4		4	Plus	N	NA	All CZ	V			√ Pk	s N	HEU	All	cz √			v										4	Electric utility measure only.
Generators																																	DOLETS program design included this measure as part of the trivial companies along the program pains 2002 and 2008. BOLETS start use supported in D.2-10-0-115. As part of the cost effectiveness are server ordered in the Docksin, Austractives 3, SOLES the salected to remove this measure. SOLES will nevel what this measure are part of the SEA Working Occup to determine if a ventrobution of this measure is werented.
in Home Displays																																	SOCIAE's program design included this measure as part of its vitil original making for program years. SOCIAE's design was approved in D. 21-06-015. As part of the cost effectiveness missure review oriented in the Dischol, Alberthera's Collect has selected to restore the measure is SOCIAE with reconstance this measure as part to the Dischol or the Collection of the Colle
Interior Lighting Flatures																																	SDGAE's program design included this measure as part of its initial program design sepressed in D2-T-6-D15. As part of the cost sould be supported by the c

Power Birgs - PGEE to offer Tier II Blacksoch enabled smart power stips, SCE will be offering Tier I smart stips, and SDGEE will offer Tier and Tier I smart stips, and SDGEE will offer Tier and Tier I smart stips, and SDGEE will offer Tier and Tier I smart stips, and SDGEE will offer Tier and Tier I smart stips, and SDGEE will offer tier and tier I smart stips, and SDGEE will offer ties I smart stips, a

Multifamily Common Area Measures - List of Measures, Segments, and Treatment Tiers (PY2022-2026) Table 1A

Note Reason for Differences:

- --- The IOUs MF CAM measure mix was approved for the PY 2022. For PY 2022, Multifamily in-unit measures are identified in Table 1.
- ---The MFWB (MF in-unit, CAM, MFWB) for PY 2023-2026 are not included because the program will go out for solicitation to a third party. D.21-06-015 approved the IOUs MFWB budgets and the design and implementation will be conducted by the third party implementer.

Measure	PG&E	SDG&E	SCE	SoCalGas
Heating, Ventilation & Air Conditioning				_
AC Brushless Fan Motor replacement		√		
AC Diagnostic, Repair and Tune-Up		√	√	
Air Conditioner		√	· √	
	√	· ·	· · ·	+
Air Conditioners Split System Room AC Replacement	V		√	
Efficient Fan Controller			√	
Evaporative Cooler Install			· √	
Furnace Clean and Tune			•	√
		√	-1	
Furnace Repair	1		√ 	+
Furnace Replacement ¹	√	√	√	√
High Efficiency Furnace Replacement ²	,			√
Heat Pump Split System	√	√	√	
Portable A/C			√	
Package Terminal A/C	√			
Package Terminal Heat Pump	√			
Smart Thermostat	√	V	√	√
Space Heating Boiler	√			√
Window Evap Cooler		V		
Envelope				
Attic Insulation	√	√	V	√
Duct Sealing		√		
Prescriptive Duct Sealing				√
Envelope Air Sealing			√	√
Pipe Insulation		√	√	V
Replace Air Filter		√ V	· · · · · · · · · · · · · · · · · · ·	,
Tank Insulation		√	√	√
Wall Insulation	√	√ √	· ·	· '
Window Film	√ √	V		
Windows	V			
Water Heating				•
Boiler Controls		√		T
Central Boiler		√		V
Demand Control DHW Recirculation Pump	√	,		
	√ √	V	√	√
Faucet Aerator		٧		٧
Heat Pump Water Heater	√ ,		√ 	1
Low flow Showerhead	√	√	√	√
Solar Water Heating				√
Storage Water Heater	V			
Tankless Water Heater	V	√		
Thermostatic Shower Valve				√
Tub Diverter/ Tub Spout				√
Water Heater	√	√		
Water Heater Repair/Replace				√
Lighting Measures				
Exterior TLED Lamps	√			
Interior Integrated LED Retrofit Kits		√		1
Interior TLED Lamps	√	√		
Landscape Lighting	•		√	
	+	V	√	
LED A Lamps		√ √	٧	
LED BR-R Lamps				
LED Candelabra Lamps	1	√		
LED Ceiling, Vanity, or Sconce Fixtures	√			
LED Diffuse A-Lamp	V		√	

Multifamily Common Area Measures - List of Measures, Segments, and Treatment Tiers (PY2022-2026) Table 1A

Note Reason for Differences:

- --- The IOUs MF CAM measure mix was approved for the PY 2022. For PY 2022, Multifamily in-unit measures are identified in Table 1.
- ---The MFWB (MF in-unit, CAM, MFWB) for PY 2023-2026 are not included because the program will go out for solicitation to a third party. D.21-06-015 approved the IOUs MFWB budgets and the design and implementation will be conducted by the third party implementer.

Measure	PG&E	SDG&E	SCE	SoCalGas
LED Exit Sign	V	V	V	
LED Exterior Wall or Pole Mounted Fixture	√	V	√	
LED Globe Lamps	V			
LED Interior Luminaire		√		
LED Linear Ambient Fixtures	V			
LED Non Linear Interior Retrofit		√		
LED Outdoor Fuel Pump Canopy Fixture		√		
LED PAR Lamps	√			
LED Parking Garage Fixtures	√	√		
LED Pendant, Track or Accent Fixtures	√			
LED PL Type Lamp	√		V	
LED Recessed Downlight Retrofit Kits	√			
LED Recessed Troffers and Retrofit Kits	√			
LED Retrofit Kits		√		
LED Reflector Lamp			V	
LED Screw-in	V	√		
LED Strip Fixture		√		
LED Wrap Around Fixture		√		
Occupancy Sensor	√			
Plug-in LED lamps	√		√	
LED T8 Lamp	√		V	
Appliances				
High Efficiency Clothes Washer	√	√	V	√
Dishwasher			V	
Food Service - Combination Oven		√		
Food Service - Convection Oven		√		
Food Service - Griddle		√		
Freezer			√	
Refrigerator	√	√	√	
Miscellaneous				
CO & Smoke Alarms				V
Pool Light LED		√		
Tier-2 Smart strip Power Strip	√	√	√	
Variable speed pool pump	V	V	V	

¹ SoCalGas measures to replace WF/FAU are designated as Early Replace and On Burnout ² SoCalGas measures to replace HE WF/FAU are designated as Early Replace and On Burnout

Household Treatments and Treatment Cost Per Household Projections (PY2022-2026) Table 2

		PY 2022 Proj	ections			PY 2023 P	rojections			PY 2024 Pr	ojections			PY 2025 Pro	ojections			PY 2026 P	rojections	
Energy Savings Assistance Main Program (Single Family and Mobile Homes)	PG&E	SDG&E	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas
			Т				1												I	
Authorized Budget ¹	\$ 103,732,423 \$	11,505,879 \$	37,471,491 \$	82,826,162	\$ 112,569,288	\$ 12,324,066	\$ 46,199,512	\$ 82,837,720	\$ 104,331,278	\$ 14,176,465	\$ 60,494,956	\$ 82,880,025	\$ 102,061,789	\$ 15,439,020	\$ 68,400,219	\$ 82,850,295	\$ 100,305,712	\$ 17,214,498	\$ 49,669,535	\$ 82,844,757
Estimated Household Treatment	59,340	6,880	21,974	94,600	60,437	6,105	37,871	69,837	54,876	7,948	64,922	69,837	52,954	8,306	59,512	69,837	51,099	9,028	56,806	69,837
Estimated Treatment Cost Per Household Across All Segments	\$ 1,748 \$	1,672 \$	1,705 \$	876	\$ 1,863	\$ 2,019	\$ 1,220	\$ 1,186	\$ 1,901	\$ 1,784	\$ 932	\$ 1,187	\$ 1,927	\$ 1,859	\$ 1,149	\$ 1,186	\$ 1,963	\$ 1,907	\$ 874	\$ 1,186

		PY 2022 P	rojections			PY 2023 F	Projections			PY 2024 P	rojections			PY 2025 Pr	ojections			PY 2026 P	rojections	
Multifamily (In-Unit, CAM, MFWB) ²	PG&E	SDG&E 5	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas
MF In-Unit Authorized Budget 3,6,8	N/A	\$ 4,067,044	\$ 4,777,193	\$ 16,045,889																
Estimated In-Unit Treatment ^{4,6}	8,775	6,880	5,077	24,091																
Estimated In-Unit Treatment Cost Across All Segments ⁶	N/A	\$ 591	\$ 941	\$ 666																
MF CAM Authorized Budget ^{7,8}	\$ 20,937,200	\$ 1,242,580	\$ 1,800,000	\$ 5,560,000																
Estimated CAM Property Treatment ⁴	33	40	70	50																
Estimated CAM Property Treatment Cost Across Segments	\$ 634,461	\$ 31,065	\$ 25,714	\$ 111,200																
MFWB Authorized Budget					\$ 36,493,866	\$ 7,864,581	\$ 9,260,188	\$ 21,477,314	\$ 44,512,082	\$ 9,014,088	\$ 17,537,845	\$ 21,224,295	\$ 45,847,446	\$ 9,243,475	\$ 14,700,798	\$ 20,950,948	\$ 47,222,869	\$ 9,139,370	\$ 12,334,249	\$ 20,563,740
Estimated MFWB Property Treatment																				
Estimated MFWB Property Treatment Cost Across Segments																				

Authorised budget from D 21-06-015, Attachment 1, Tables 8-11: Iotals shown in "EE (A)" Inc.

*Excluses SPOC costs for all callidate.

*Excluses SPOC costs for all callidate.

*Exclusions SPOC costs for all callidate.

*Exclusions Authorised Budget from Association for the SPOC costs and SP

^{*}SDGAE Advice Letter 3820-E/1004-0 filed August 2, 2021 reflects it proposed MF CAM budget in the amount of \$1,000,000 for PY/2022 and SDGAE plans to supplement the approved budget of \$5,309,624 for any potential budget shortfall. At the end of the 2021 bridge princip, SDGAE had approved subget and in a similar of \$1.000,000 for PY/2022 and SDGAE plans to supplement the above page of the princip subget shortfall. At the end of the 2021 bridge princip, SDGAE had approved budget storm in Table 11 of Altachment 1 of 27,40-6015.

**For PGGAE Life in non-thermateries for 2022 (Del SDGAE) Ext Transments causaled from DGGAE 1,47 for DGA pagetion, Altachment 6, ESA Table As Life Attendents were deviced paged and Teatment reduction authorized in 10.21-60-515, Section 6.157, 2314. PGGE did not break out studgets by housing type and feerfore does not have an authorized budget for MF in-unit treatments (Call B27), and is unable to break out in-unit treatment could by segment (Cell B27)). (Office outs were included MWD beginning no 2023).

For PG&E MF CAM Authorized Budget (Cell B31): PG&E Advice Letter 4472-08279-6 fled August 2, 2021 reflexes its proposed MF CAM treatment budget in the amount of \$20,937,200 for PY2022. This does not include MF CAM administrative budget or funding for SPOC, MCE LIFT, or CSD LIMP, which makes it less that the authorized budget shown in D.21-06-015, Attachment 1, Table 8.

⁸ For SDG&E, SCE, and SoCalGas: Authorized budget from D.21-06-015. Attachment 1. Tables 8-11: totals shown in "EE-MF (B)" line.

Reporting Categories and Segments - Definitions and Methodologies (PY2022-2026) $^{\rm 1}$ Table 3

Segments	Consistent Across IOUs	Methodologica (Source for Tracking	Not Consistent Across IOUs
Demographic	Definitions	Methodologies (Source for Tracking and Reporting)	Definitions
Housing Type	Single family homes, multifamily dwelling units, and mobile homes are eligible to participate in the program. Duplexes, triplexes, and fourplexes will be qualified as single family homes. Multifamily complexes are defined as those with five (5) or more dwelling units. Mobile homes are defined by California Department of Housing and Community Development as having "over 320 square feet of gross floor area, more than eight feet in width, and more than 40 feet in length." A mobile home is a manufactured home regulated by the U.S. Department of Housing and Urban Development code (Sec. 3260) and built on a trailer chassis and designed for highway delivery to a permanent location, and it can be a single-, double-, or triple-wide home. (Derived from Statewide Energy Savings Assistance Program 2017- 2020 Cycle Policy and Procedures (P&P) Manual p. 20)	Source from utility program database.	
Renter vs. Owner	Owner: The individual or company that has owners rights to the dwelling. Renter: The individual that pays rent for dwelling and is not a dependent of anyone in the household.	Source from utility program database.	
Previous vs. New Participant	The go back rule is eliminated pursuant to D.16-11-022 Ordering Paragraph 9 and D.18-08-020 Ordering Paragraph 4. Utilities are directed to conduct household retreatment based on household energy usage, prioritizing high energy users (D.16-11-022 COL.13). Utilities apply additional prioritization criteria within their territories consistent with guidelines in D.16-11-022. Statewide P&P Manual Section 2.7.	Source from utility program database.	
Senior		At this time, all the utilities may not currently request, track or report this data.	PG&E definition is age 60 years plus. (ESA - utility internal use) SDG&E definition is age 62 years or older. (ESA - utility internal use) SCE and SoCalGas definition is based on CPUC term "elderty" at age 65 years or over.
Veterans	A former member of the armed forces, unless dishonorably discharged. The IOUs do not have a standard definition for this segment.	At this time, the utilities do not currently request, track or report this data. Therefore, there is no methodology for identifying this segment.	
Hard-to-Reach	The Commission's Energy Efficiency Policy Manual defines hard-to-reach residential customers as "those customers who do not have easy access to program information or generally do not participate in energy efficiency programs due to a language, income, housing type, geographic, or home ownership (split incentives) barrier. Derived from D.18-05-041, pp.41-42.	Source from utility customer information systems, participating outreach contractors, program database, and other sources where applicable.	
	CPUC adopts the staff definition of communities that are the most vulnerable to climate change and call such communities. Disadvantaged Vulnerable Communities or DVCs. As discussed in the "Median Income" Section below, we modify the staff proposal to include state median income and not area median income: A DVC for purposes of this proceeding consists of communities in the 25% highest scoring census tracts according to the most current versions of the California Communities Environmental Health Screening Tool (California Communities Environmental Health Screening Tool (California Coren,), as well as all California turbal lands, census tracts that score in the highest 5% of Pollution Burden within California California California California California Coren soore due to unreliable public health and socioeconomic data, and census tracts with median household income less than 60% of state median income. Decision 20-08-04-64 at p.1-21-3 dated August 27, 2020. (Decision on Energy Utiliy Climate Change Vulnerability	At this time, the utilities do not currently request, track or report this data. Therefore, there is no methodology for identifying this	
Vulnerable Financial	Assessments and Climate Adaptation in Disadvantaged Communities (Phase 1, Topics 4 and 5))	segment.	
CARE Disconnected	CARE legislation was codified in Public Utilities Code ("PUC") Sections 739.1 and 739.2 (low income households with incomes at or below 200 percent of the federal poverty guidelines). As approved by the CPUC for the utility specific tariffs.	Source from utility customer information systems. Source from utility customer information systems.	
Arrearages		Source from utility customer information systems.	PG&E defines arrearages as overdue balance greater than 19 days. (Source is Rule 8). SDG&E and SoCalGas defines arrearages as overdue balance greater than 30 days. (Disconnections D.18-12-013). SCE defines arrearages as overdue balances greater than 20 days.
		Source from utility customer information	Electric: PG&E and SDG&E - Usage of at least 400% of baseline at least three times in 12-month period. D.21-06-015. Electric: SCE - Usage of at least 300% of baseline at least once in 12-month period. (per D.21-06-015). Gas: SoCalCas - Customers above 200% baseline quantity usage
High Usage		systems.	during non-winter periods. D.17-12-009 at 287.
High Energy Burden	Energy burden is the percentage of customers' annual income that is spent on their energy bills. (2019 LINA Study at p.vdated 12/13/2019)	At this time, the utilities do not currently track or report this data. Therefore, there is no methodology for identifying this segment.	
SEVI	The Socioeconomic Vulnerability Index (SEVI) metric represents the relative socioeconomic standing of census tracts, referred to as communities, in terms of poverty, unemployment, educational attainment, linguistic isolation, and percentage of income spent on housing. This metric therefore considers how a rate change may affect one community's ability to pay more than another's. Source: 2019 Annual Affordability Report p. 16	At this time, the utilities do not currently track or report this data. Therefore, there is no methodology for identifying this segment.	
Affordability Ratio	The Affordability Ratio (AR) metric quantifies the percentage of a representative household's income that would be used to pay for an essential utility service after non-discretionary expenses such as housing and other essential utility service charges are deducted from the household's income. Source: 2019 Annual Affordability Report p. 14	At this time, the utilities do not currently track or report this data. Therefore, there is no methodology for identifying this segment.	
Location			
DAC	Disadvantaged communities refers to the areas throughout California which most suffer from a combination of economic, health, and environmental burders. These burders include poverty, high unemployment, air and water pollution, presence of hazardous wastes as well as high incidence of asthma and heart disease. One way that the state identifies these areas is by collecting and analyzing information from communities all over the state. CalEnviroScreen, an analyzical tool created by the California Environmental Protection Agency (CalEPA), combines different types of census tract-specific information into a score to determine which communities are the most burdened or "disadvantaged." Insert a city or town in the CalEnviroScreen map's search box here to see if it is considered a disadvantaged community in this context. https://oethia.ca.gov/calenviroscreen/sb536 (Pursuant to Section 39711 of the Health and Safety Code, the California Environmental Protection Agency (CalEPA) developed a means for identifying disadvantaged communities. See D.18-05-041 p. 39)	Source from utility customer information systems.	
Rural	The Goldsmith definition is used to determine rural and urban eligibility and participation for ESA and CARE Programs. Rural areas are defined as all population, housing and territory not included within an urbanized area or urban cluster. Census blocks are identified as urban if they have a density of 1,000 people per square mile. These blocks are then aggregated to define urbanized areas that contain 50,000 or more people and urban clusters are areas with at least 2,500 but fewer than 50,000 people. (Reflected in Athens Research annual eligibility update fled February 12 of each year (C2-1-66-015).	Source from utility customer information systems.	
Tribal	Native Americans residing on Federally recognized Tribal land within the IOUs service territory. D.17-12-009 at page 185	Source from utility customer information systems.	
	California has a diversity of climates not seen in other states, and the statewide provisions adopted into the California Energy Code accounts for these variations using a set of sixteen California Energy Commission (CEC) climate zones. Several efficiency standards, such as those for envelope and fenestration (window and door) materials, depend on the specific climate zone that the building is located in. Climate zones referenced, are developed by the CEC, and may be located and are updated regularly. (Dervider form Statewide Energy	Source from utility customer information	
Climate Zone CARB Community	Savings Assistance Program 2017-2020 Cycle P&P Manual p. 34 and p. 54) Neighborhoods that have been identified by the California Air Resources Board (CARB) Community Air Protection Program, where they overlap with existing IOU DAC 2p codes, as identified by Cal Enviro Screen 3.0 as being one of the 20% most Gadavahraged census tracts in IOUs territory.	systems. Source from utility customer information systems.	
PSPS Zone (Event)	Public Safety Power Shut-off: High Fire Threat areas where utilities may proactively cut power to electrical lines that may fall in certain weather conditions to reduce the likelihood that their infrastructure could cause or contribute to a wildfire. (D.20-05-051 De-Energization)	The ESA Program does not track or report this data.	SoCalGas: Not Applicable
High Fire Threat District (also known as Wildfire Zone)	High Fire Threat District means those areas comprised of the following: (1) Zone 1 is Tier 1 of the latest version of the United States Forest Service and CAL FIRE's joint map of Tree Mortality High Azard Zones. (2) Zone 2 is Tier 2 (Elevated) of the CPUC Fire-Threat Map. (3) Zone 3 is Tier 3 (Extreme) of the CPUC Fire-Threat Map. The CPUC Fire-Threat Map was developed under R.15-05-006 and adopted by the CPUCs Safety and Enforcement Division in January 2018. The most recent version is located at https://ia.cpuc.ca.gov/firemap/.	Source from utility customer information systems.	
Health Condition Medical Baseline	Customers who are enrolled in the IOUs Medical Baseline Allowance program. (Utility specific tariff)	Source from utility customer information systems.	
Respiratory	The utilities do not have definition for this segment.	The utilities does not have a methodology for identifying this segment.	
	ESA customers that self identify as having a disability. (D.12-08-044)	Data is captured on ESA enrollment application	1

¹ As directed in Attachment 3 of D.21-06-015, the Joint IOUs submit the definitions for certain terms, many of which are derived from CPUC proceedings outside of this Low Income proceeding. To the extent a definition is modified pursuant to the relevant proceeding, the definitions submitted here are subject to change.

Definition: Low, Medium, and High Usage Customers (PY2022-2026)

Table 4

Utility	Low	Medium	High	Notes
	Definition	Definition	Definition	
PG&E	Up to 199% of Baseline kWh	200-399% of Baseline	400% of Baseline and above	Usage of at least 400% of baseline at least three times in 12-month period. Authorized in D.21-06-015.
SDG&E	Up to 199% of Baseline kWh	200-399% of Baseline	400% of Baseline and above	Usage of at least 400% of baseline at least three times in 12-month period. Authorized in D.21-06-015.
SCE	Up to 199% of Baseline kWh	200-300% of Baseline	300% of Baseline and above	Usage of at least 300% of baseline at least one time in 12-month period. High Energy Users eligible for "Plus" tier measures, as authorized in D.21-06-015.
SoCalGas	Up to 100% of Baseline Therms during the winter season	101-199% of Baseline Therms during the winter season	≥ 200% of Baseline Therms during the winter season	D.17-12-009 defined customers above 200% baseline quantity usage during non-winter periods as high gas users. The definition was created to identify customers exhibiting high domestic hot water usage. SoCalGas proposes to also include customers above 200% baseline quantity usage during the winter period as high usage to also identify customers exhibiting high space heating usage.

Summary of Energy Savings Assistance Program Cost Effectiveness Portfolio (PY 2022-2026) Table 5

Notes:

- ESACET scores for the MF CAM in PY2022 are not included because there is no NEB calculator available for MF CAM. Additionally, MF CAM is not included in Tables 5, 6 and 7 as it is being transitioned into the MFWB program. Appropriate cost effectiveness testing for the MFWB program portfolio is yet to be determined.
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(Single Fan	ESA Main Program nily, Mobile Homes, MF in-unit) ations for Housing Types ¹		PY 2022	Projections	
	Ratio Of Program Benefits over Program Costs	PG&E	SDG&E	SCE	SoCalGas
	ESACET	0.49	0.28	0.72	0.33
D D	Resource Test ²	0.50	0.47	0.94	0.28
ate	TRC ³	0.26	0.16	0.50	0.11
Estimated	PAC ³	0.26	0.16	0.50	0.11
ű	RIM ³	0.20	0.13	0.32	0.11

(Single	ESA Main Program Family and Mobile Homes) stallations for Housing Types ¹				PY 2023	Projection	ns		PY 2024 F	Projections	5		PY 2025	Projection	ıs		PY 2026	Projection	ıs
	Ratio Of Program Benefits over Program Costs			PG&E	SDG&E	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas
	FRACET			0.54	0.00	0.74	0.05	0.54	0.07	0.00	0.07	0.50	0.05	0.00	0.00	0.57	0.05	0.00	0.00
-	ESACET Resource Test ²			0.54 0.52	0.36	0.71	0.35	0.54 0.55	0.37	0.80 1.02	0.37	0.58	0.35	0.86 1.09	0.38	0.57	0.35	0.89	0.39
ĕ	TRC ³			0.27	0.19	0.52	0.12	0.28	0.19	0.60	0.13	0.30	0.18	0.65	0.13	0.30	0.19	0.68	0.14
Estimat	PAC ³			0.27	0.19	0.52	0.12	0.28	0.19	0.60	0.13	0.30	0.18	0.65	0.13	0.30	0.19	0.68	0.14
w	RIM ³			0.21	0.15	0.33	0.12	0.21	0.15	0.36	0.13	0.23	0.15	0.37	0.13	0.24	0.16	0.38	0.14

¹ Multifamily costs are not included for PY2023 - PY2026.

² Formerly known as the Resource TRC, updated per: June 2018 Recommendations of the ESA Cost Effectiveness Working Group.

³ Provided for PY2022 through PY2026 in compliance with Decision 19-05-019.

Energy Savings Assistance Program Cost-Effectiveness - Weather Sensitive Measures (PY2022-2026) Table 6

- Notes:
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Pacific Gas and Electric Company																			
						2022			Type of Home	Electric or Gas	Climate Zone		2023		2024		2025	2	2026
Measure Single Family, Mobile Homes, and	Measure Group	Type of Home	Electric or Gas	Climate Zone			Measure Single Family and Mobile Homes -	Measure Group	(SF, MH)	(E,G)	(Number)								
Multifamily In-unit Installations ¹		(SF, MH, MF)	(E,G)	(Number)	ESACET	Resource Test 2	Installations ³					ESACET	Resource Test 2	ESACET	Resource Test ²	ESACET	Resource Test 2	ESACET	Resource Test ²
Air Sealing / Envelope	Enclosure	SF, MH	E	All	0.35	0.03	Air Sealing / Envelope	Enclosure	SF, MH	E	All	0.33	0.03	0.33	0.03	0.36	0.03	0.35	0.03
Air Sealing / Envelope	Enclosure	SF, MH	G	All	0.35	0.03	Air Sealing / Envelope	Enclosure	SF, MH	G	All	0.33	0.03	0.33	0.03	0.36	0.03	0.35	0.03
Air Sealing / Envelope	Enclosure	MF	E	All	0.35	0.03	Attic Insulation	Enclosure	SF, MH	E	All	0.86	0.55	0.89	0.58	0.91	0.62	0.97	0.65
Air Sealing / Envelope	Enclosure	MF	G	All	0.35	0.03	Attic Insulation	Enclosure	SF, MH	G	All	0.86	0.55	0.89	0.58	0.91	0.62	0.97	0.65
Attic Insulation	Enclosure	SF, MH	E	All	0.85	0.52	Central A/C replacement	HVAC	SF	E	11, 12, 13, 14	0.53	0.17	0.54	0.18	0.58	0.19	0.58	0.20
Attic Insulation	Enclosure	SF, MH	G	All	0.85	0.52	Central A/C Tune up	HVAC	SF, MH	E	All	0.24	n/a	0.23	n/a	0.25	n/a	0.24	n/a
Attic Insulation	Enclosure	MF	E	All	0.85	0.52	Furnace Repair/Replacement	HVAC	SF, MH	G	All	0.26	n/a	0.25	n/a	0.37	n/a	0.26	n/a
Attic Insulation	Enclosure	MF	G	All	0.85	0.52	Heat Pump Replacement	HVAC	SF, MH	E	11, 12, 13, 14	0.71	0.34	0.73	0.37	0.78	0.40	0.81	0.42
Central A/C replacement	HVAC	SF	E	11, 12, 13, 14	0.53	0.15	High Efficiency Forced Air Unit (HE FAU)	HVAC	SF, MH	G	All	0.59	0.22	0.60	0.24	0.60	0.25	0.64	0.26
Central A/C Tune up	HVAC	SF, MH	E	All	0.26	n/a	New - Whole House Fan - ECM Motor	HVAC	SF, MH	E	4, 11, 12, 13, 14	0.51	0.15	0.52	0.16	0.64	0.17	0.57	0.19
Central A/C Tune up	HVAC	MF	E	All	0.26	n/a	New Diagnostic Driven Air Sealing	Enclosure	SF, MH	E	All	0.54	0.23	0.55	0.24	0.57	0.25	0.58	0.27
Furnace Repair/Replacement	HVAC	SF, MH	G	All	0.27	n/a	New Diagnostic Driven Air Sealing	Enclosure	SF, MH	G	All	0.54	0.23	0.55	0.24	0.57	0.25	0.58	0.27
Furnace Repair/Replacement	HVAC	MF	G	All	0.27	n/a	New Floor Insulation	Enclosure	SF, MH	E	All	0.56	0.25	0.57	0.27	0.61	0.29	0.62	0.30
Heat Pump Replacement	HVAC	SF, MH	E	11, 12, 13, 14	0.70	0.32	New Floor Insulation	Enclosure	SF, MH	G	All	0.56	0.25	0.57	0.27	0.61	0.29	0.62	0.30
High Efficiency Forced Air Unit (HE FAU)	HVAC	SF, MH	G	All	0.57	0.19	New Portable AC	HVAC	SF, MH	E	All	0.31	n/a	0.30	n/a	0.25	n/a	0.32	n/a
High Efficiency Forced Air Unit (HE FAU)	HVAC	MF	G	All	0.57	0.19	New Prescriptive Duct Sealing - SF & MH	HVAC	SF, MH	E	All	1.15	0.91	1.20	0.96	1.25	1.01	1.32	1.06
New - Whole House Fan - ECM Motor	HVAC	SF, MH	E	4, 11, 12, 13, 14	0.47	0.10	New Prescriptive Duct Sealing - SF & MH	HVAC	SF, MH	G	All	1.15	0.91	1.20	0.96	1.25	1.01	1.32	1.06
New - Whole House Fan - ECM Motor	HVAC	MF	E	4, 11, 12, 13, 14	0.47	0.10	Smart Thermostat	HVAC	SF, MH	E	All	2.48	2.35	2.60	2.47	2.74	2.59	2.87	2.72
New Diagnostic Driven Air Sealing	Enclosure	SF, MH	E	All	0.55	0.22	Smart Thermostat	HVAC	SF, MH	G	All	2.48	2.35	2.60	2.47	2.74	2.59	2.87	2.72
New Diagnostic Driven Air Sealing	Enclosure	SF, MH	G	All	0.55	0.22				,									
New Diagnostic Driven Air Sealing	Enclosure	MF	E	All	0.55	0.22													
New Diagnostic Driven Air Sealing	Enclosure	MF	G	All	0.55	0.22													
New Floor Insulation	Enclosure	SF, MH	E	All	0.61	0.28													
New Floor Insulation	Enclosure	SF, MH	G	All	0.61	0.28													
New Floor Insulation	Enclosure	MF	E	All	0.61	0.28													
New Floor Insulation	Enclosure	MF	G	All	0.61	0.28													
New Portable AC	HVAC	SF, MH	E	All	0.33	n/a													
New Portable AC	HVAC	MF	E	All	0.33	n/a													
New Prescriptive Duct Sealing - MF	HVAC	MF	E	All	1.12	0.86													
New Prescriptive Duct Sealing - MF	HVAC	MF	G	All	1.12	0.86													
New Prescriptive Duct Sealing - SF & MH	HVAC	SF, MH	E	All	1.12	0.86	1												
New Prescriptive Duct Sealing - SF & MH	HVAC	SF, MH	G	All	1.12	0.86	1												
Smart Thermostat	HVAC	SF, MH	E	All	1.54	1.40	1												
Smart Thermostat	HVAC	SF, MH	G	All	1.54	1.40	1												
Smart Thermostat	HVAC	MF	E	All	1.54	1.40	1												
Smart Thermostat	HVAC	MF	G	All	1.54	1.40													

Energy Savings Assistance Program Cost-Effectiveness - Weather Sensitive Measures (PY2022-2026) Table 6

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San Diego Gas & Electric Compar						1022			Type of Home	Electric or Gas	Climate Zone		2023		2024		2025	2	2026
Measure Single Family, Mobile Homes, and	Measure Group	Type of Home	Electric or Gas	Climate Zone			Measure Single Family and Mobile Homes -	Measure Group	(SF, MH)	(E,G)	(Number)		1025		2024		2020		1
Multifamily In-unit Installations ¹		(SF, MH)	(E,G)	(Number)	ESACET	Resource Test 2	Installations ³					ESACET	Resource Test 2	ESACET	Resource Test 2	ESACET	Resource Test ²	ESACET	Resource Test
Air Sealing	Enclosure	MF	E	7,10,14,15	0.27	NR	Air Sealing	Enclosure	MH	E	7,10,14,15	0.23	NR	0.21	NR	0.18	NR	0.16	NR
Air Sealing	Enclosure	MH	E	7,10,14,15	0.27	NR	Air Sealing	Enclosure	SF	Ē	7,10,14,15	0.25	0.04	0.23	0.05	0.21	0.05	0.20	0.05
Air Sealing	Enclosure	SF	E	7,10,14,15	0.28	0.04	Air Sealing	Enclosure	MH	G	7,10,14,15	0.23	NR	0.21	NR	0.18	NR	0.16	NR
Air Sealing	Enclosure	MF	G	7,10,14,15	0.27	NR	Air Sealing	Enclosure	SF	G	7,10,14,15	0.23	0.01	0.21	0.01	0.19	0.01	0.16	0.01
Air Sealing	Enclosure	MH	G	7,10,14,15	0.27	NR	Attic Insulation	Enclosure	SF	E	7,10,14,15	0.25	0.04	0.23	0.04	0.21	0.04	0.19	0.05
Air Sealing	Enclosure	SF	G	7,10,14,15	0.27	0.01	Attic Insulation	Enclosure	SF	G	7,10,14,15	0.29	0.14	0.27	0.14	0.26	0.14	0.24	0.14
Attic Insulation	Enclosure	MF	E	7,10,14,15	0.28	0.05	Furnace Repair/Replacement	HVAC	MH	G	7,10,14,15	0.30	NR	0.29	NR	0.26	NR	0.23	NR
Attic Insulation	Enclosure	SF	E	7,10,14,15	0.28	0.04	Furnace Repair/Replacement	HVAC	SF	G	7,10,14,15	0.20	NR	0.18	NR	0.15	NR	0.13	NR
Attic Insulation	Enclosure	MF	G	7,10,14,15	0.29	0.18	Room AC Replacement	HVAC	MH	Ē	7,10,14,15	0.32	0.05	0.31	0.05	0.28	0.06	0.27	0.06
Attic Insulation	Enclosure	SF	G	7,10,14,15	0.29	0.13	Room AC Replacement	HVAC	SF	E	7,10,14,15	0.32	0.05	0.31	0.05	0.28	0.06	0.27	0.06
Furnace Repair/Replacement	HVAC	MF	G	7,10,14,15	0.30	NR	Energy Efficient Fan Control	HVAC	SF	Ē	7,10,14,15	0.34	0.54	0.35	0.58	0.35	0.61	0.36	0.64
Furnace Repair/Replacement	HVAC	MH	G	7,10,14,15	0.30	NR	Smart Thermostat	HVAC	MH	E	7,10,14,15	0.17	0.14	0.17	0.15	0.17	0.16	0.17	0.16
Furnace Repair/Replacement	HVAC	SF	G	7,10,14,15	0.20	NR	Smart Thermostat	HVAC	SF	Ē	7,10,14,15	0.33	0.76	0.34	0.80	0.35	0.84	0.36	0.87
Room AC Replacement	HVAC	MF	E	7,10,14,15	0.30	0.05	Whole House Fan	HVAC	SF	E	7,10,14,15	0.25	0.28	0.26	0.30	0.25	0.31	0.26	0.32
Room AC Replacement	HVAC	MH	E	7,10,14,15	0.30	0.05													
Room AC Replacement	HVAC	SF	E	7,10,14,15	0.30	0.05													
Duct Testing and Sealing	HVAC	SF	E	7,10,14,15	0.22	0.02													
Duct Testing and Sealing	HVAC	SF	G	7,10,14,15	0.23	0.04													
Energy Efficient Fan Control	HVAC	SF	E	7,10,14,15	0.28	0.50													
Smart Thermostat	HVAC	MF	E	7,10,14,15	0.22	0.47													
Smart Thermostat	HVAC	MH	E	7,10,14,15	0.16	0.14													
Smart Thermostat	HVAC	SF	E	7.10.14.15	0.25	0.72													

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Southern California Edison Comp	any																			
Measure Single Family, Mobile Homes, and	Measure Group				2	022		Measure Single Family and Mobile Homes -	Measure Group	Type of Home	Electric or Gas	Climate Zone		2023		2024	2	1025	20	026
Multifamily In-unit Installations 1	Measure Group	Type of Home (SF, MH)	Electric or Ga	(Number)	ESACET	D	2	Installations 3	Measure Group	(SF, MH)	(E,G)	(Number)	ESACET	n	ESACET	D	ESACET	n 7 2	ESACET	
Air Filter Replacement	Maintenance	MH (SF, IVIFI)	(E,G)	(Number)	0.45	0.04		Air Filter Replacement	Maintenance	MH	F		0.45	0.04	0.46	0.05	0.47	0.05	0.50	0.06
Air Filter Replacement	Maintenance	MH	E	8	0.46	0.05		Air Filter Replacement	Maintenance	MH	E	8		0.05	0.47	0.06	0.48	0.07	0.51	0.08
Air Filter Replacement	Maintenance	MH	E	9	0.47	0.06		Air Filter Replacement		MH	E	9	0.46	0.06	0.48	0.07	0.49	0.08	0.52	0.09
Air Filter Replacement	Maintenance	MH	E	10	0.48	0.08		Air Filter Replacement		MH	E	10	0.47	0.08	0.50	0.09	0.51	0.11	0.55	0.13
Air Filter Replacement	Maintenance	MH	E	13	0.48	0.08		Air Filter Replacement	Maintenance	MH	E	13	0.47	0.08	0.50	0.10	0.51	0.11	0.54	0.13
Air Filter Replacement	Maintenance	MH	E	14	0.49	0.09		Air Filter Replacement	Maintenance	MH	E	14	0.48	0.09	0.51	0.11	0.53	0.13	0.56	0.15
Air Filter Replacement	Maintenance	MH	E	15	0.55	0.19		Air Filter Replacement		MH	E	15		0.19	0.61	0.23	0.63	0.26	0.68	0.30
Air Filter Replacement	Maintenance	MH	E	16	0.44	0.03		Air Filter Replacement	Maintenance	MH	E	16		0.03	0.46	0.03	0.47	0.04	0.48	0.04
Air Filter Replacement	Maintenance	MF	E	6	0.45	0.04		Air Filter Replacement		SF	E		0.44	0.04	0.46	0.05	0.47	0.05	0.50	0.06
Air Filter Replacement	Maintenance	MF	E	8	0.46	0.05		Air Filter Replacement	Maintenance	SF	E		0.45	0.05	0.47	0.06	0.48	0.07	0.51	0.08
Air Filter Replacement	Maintenance	MF	E	9	0.47	0.06		Air Filter Replacement	Maintenance	SF	E		0.46	0.06	0.48	0.07	0.49	80.0	0.52	0.09
Air Filter Replacement	Maintenance	MF	E	10	0.48	0.08		Air Filter Replacement	Maintenance	SF	E		0.47	0.08	0.50	0.09	0.51	0.11	0.54	0.13
Air Filter Replacement Air Filter Replacement	Maintenance Maintenance	MF	E	13	0.48	0.08		Air Filter Replacement	Maintenance	SF SE	E F	13		0.08	0.50	0.10	0.52	0.11	0.55	0.13 0.15
Air Filter Replacement Air Filter Replacement	Maintenance Maintenance	MF MF	E .	14	0.49	0.09		Air Filter Replacement Air Filter Replacement	Maintenance Maintenance	SF SF	E F		0.48	0.09	0.51	0.11	0.63	0.13	0.67	0.15
Air Filter Replacement	Maintenance Maintenance	MF	E	16	0.44	0.19		Air Filter Replacement	Maintenance	SF	E	16		0.19	0.45	0.23	0.63	0.04	0.48	0.04
Air Filter Replacement	Maintenance	SF		6	0.45	0.03		Attic Insul CAC NonElect Heat	Enclosure	or er		10		0.45	0.43	0.47	0.76	0.50	0.46	0.53
Air Filter Replacement	Maintenance	SF	E	8	0.46	0.05		Attic Insul CAC NonElect Heat	Enclosure	SF	E		0.63	0.43	0.69	0.47	0.73	0.44	0.68	0.47
Air Filter Replacement	Maintenance	SF	F	9	0.40	0.06		Attic Insul CAC NonFlect Heat	Enclosure	SF	F		0.70	0.52	0.09	0.42	0.73	0.59	0.00	0.47
Air Filter Replacement	Maintenance	SF	F	10	0.48	0.08		Attic Insul CAC NonElect Heat		SF	F	15		0.38	0.69	0.41	0.72	0.43	0.67	0.46
Air Filter Replacement	Maintenance	SF	E	13	0.48	0.08		Attic Insul CAC NonElect Heat		SF	E		0.68	0.49	0.75	0.52	0.79	0.55	0.74	0.58
Air Filter Replacement	Maintenance	SF	E	14	0.49	0.09		Central HP - CAC Gas		MH	E		0.76	n/a	0.79	n/a	0.84	n/a	0.85	n/a
Air Filter Replacement	Maintenance	SF	E	15	0.55	0.19		Central HP - CAC Gas		MH	E	14	0.52	n/a	0.65	n/a	0.83	n/a	0.86	n/a
Air Filter Replacement	Maintenance	SF	E	16	0.44	0.03		Central HP - CAC Gas	HVAC	SF	E	13	0.57	n/a	0.57	n/a	0.61	n/a	0.61	n/a
Attic Insul CAC NonElect Heat	Enclosure	MF	E	10	0.70	0.56		Central HP - CAC Gas		SF	E	14	0.62	n/a	0.63	n/a	0.68	n/a	0.69	n/a
Attic Insul CAC NonElect Heat	Enclosure	MF	E	13	0.64	0.42		Central HP - CAC Gas	HVAC	MH	E	15		0.69	0.70	0.74	0.77	0.79	0.78	0.85
Attic Insul CAC NonElect Heat	Enclosure	MF	E	14	0.65	0.44		Central HP - CAC Gas		SF	E		0.46	0.36	0.48	0.38	0.52	0.41	0.54	0.43
Attic Insul CAC NonElect Heat	Enclosure	MF	E	15	0.63	0.42		Central HP - CAC Propane		MH	E		0.00	n/a	0.54	n/a	0.63	n/a	0.00	n/a
Attic Insul CAC NonElect Heat	Enclosure	MF	E	16	0.63	0.40		Central HP - CAC Propane		MH	E	14		n/a	1.20	n/a	2.75	n/a	2.10	n/a
Attic Insul CAC NonElect Heat	Enclosure	SF	E	10	0.64	0.42		Central HP - CAC Propane	HVAC	SF	E		0.19	n/a	0.16	n/a	0.15	n/a	0.15	n/a
Attic Insul CAC NonElect Heat	Enclosure	SF	E	13	0.61	0.37		Central HP - CAC Propane		SF	E	14		n/a	0.29	n/a	0.32	n/a	0.33	n/a
Attic Insul CAC NonElect Heat	Enclosure	SF	E	14	0.67	0.49		Central HP - CAC Propane		MH	E	15		0.45	5.41	0.49	6.27	0.53	4.75	0.57
Affic Insul CAC NonElect Heat Affic Insul CAC NonElect Heat	Enclosure Enclosure	SF SF	E F	15 16	0.61	0.36		Central HP - CAC Propane Clothes Washer		SF MH	E F	15	0.30	0.12	0.30	0.13	0.32	0.14	0.34	0.15
	HVAC	SF MH	E	18	0.66				·	MH	E	All	0.44	0.13	0.44	0.14	0.45	0.16	0.52	0.16
Central HP - CAC Gas Central HP - CAC Gas	HVAC	MH	E	13	0.66	n/a n/a		Clothes Washer Condenser Coil Cleaning	Appliance Maintenance	MH	E	All	0.46	0.14	0.44	0.15	0.44	0.16	0.50	0.17
Central HP - CAC Gas	HVAC	ME	F	13	0.07	n/a		Condenser Coil Cleaning		MH	F			0.04	0.48	0.04	0.49	0.03	0.50	0.10
Central HP - CAC Gas	HVAC	MF	E	14	0.67	n/a		Condenser Coil Cleaning		MH	E		0.48	0.09	0.46	0.07	0.49	0.12	0.55	0.10
Central HP - CAC Gas	HVAC	SF	E	13	0.51	n/a		Condenser Coil Cleaning		MH	E		0.49	0.10	0.51	0.12	0.53	0.14	0.57	0.16
Central HP - CAC Gas	HVAC	SF	E	14	0.56	n/a		Condenser Coil Cleaning	Maintenance	MH	E		0.53	0.15	0.57	0.18	0.61	0.21	0.62	0.24
Central HP - CAC Gas	HVAC	MH	E	15	0.76	0.64		Condenser Coil Cleaning	Maintenance	MH	E	14		0.20	0.60	0.23	0.64	0.27	0.68	0.31
Central HP - CAC Gas	HVAC	MF	Е	15	0.68	0.44		Condenser Coil Cleaning		мн	E	15	0.61	0.29	0.69	0.34	0.74	0.40	0.79	0.46
Central HP - CAC Gas	HVAC	SF	E	15	0.63	0.34		Condenser Coil Cleaning		MH	E	16		0.05	0.45	0.06	0.45	0.07	0.49	0.09
Central HP - CAC Propane	HVAC	MH	E	13	0.38	n/a		Condenser Coil Cleaning	Maintenance	SF	E	6		0.04	0.46	0.04	0.47	0.05	0.49	0.06
Central HP - CAC Propane	HVAC	MH	E	14	0.43	n/a		Condenser Coil Cleaning	Maintenance	SF	E	8	0.46	0.06	0.48	0.07	0.49	0.08	0.52	0.10
Central HP - CAC Propane	HVAC	MF	E	13	0.45	n/a		Condenser Coil Cleaning	Maintenance	SF	E	9	0.48	0.09	0.51	0.11	0.53	0.12	0.56	0.14
Central HP - CAC Propane	HVAC	MF	E	14	0.44	n/a		Condenser Coil Cleaning	Maintenance	SF	E	10		0.10	0.52	0.12	0.54	0.14	0.57	0.16
Central HP - CAC Propane	HVAC	SF	E	13	0.18	n/a		Condenser Coil Cleaning	Maintenance	SF	E		0.52	0.15	0.56	0.18	0.59	0.21	0.63	0.24
Central HP - CAC Propane	HVAC	SF	E	14	0.30	n/a		Condenser Coil Cleaning	Maintenance	SF	E	14		0.20	0.60	0.23	0.63	0.27	0.67	0.31
Central HP - CAC Propane	HVAC	MH	E	15	0.67	0.41		Condenser Coil Cleaning	Maintenance	SF	E	15		0.29	0.67	0.34	0.72	0.40	0.77	0.46
Central HP - CAC Propane	HVAC	MF	E	15	0.56	0.21		Condenser Coil Cleaning		SF	E	16		0.05	0.48	0.06	0.49	0.07	0.51	0.09
Central HP - CAC Propane	HVAC	SF	E	15	0.50	0.11		Dishwasher	·	MH	E	All	0.43	0.10	0.41	0.11	0.40	0.11	0.48	0.12
Clothes Washer Clothes Washer	Appliance Appliance	MH SF	E F	All	0.44	0.12 0.13		Dishwasher Efficient Fan Control	Appliance HVAC	SF MH	E	All	0.44	0.11	0.42	0.12	0.41	0.12	0.49	0.13
Clothes Washer Condenser Coil Cleaning	Appliance Maintenance	MH MH	E	All 6	0.45	0.13		Efficient Fan Control		MH	E	t	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning Condenser Coil Cleaning	Maintenance	MH	F		0.45	0.04		Efficient Fan Control		MH			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning Condenser Coil Cleaning	Maintenance	MH	E	9	0.49	0.09		Efficient Fan Control		MH	E		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning Condenser Coil Cleaning	Maintenance	MH	F	10	0.49	0.09		Efficient Fan Control		MH	F	13		0.00	1.05	0.00	1 19	0.00	1.05	0.00
Condenser Coil Cleaning Condenser Coil Cleaning	Maintenance	MH	E	13	0.53	0.15		Efficient Fan Control		MH	E	14		1.36	1.14	1.51	1.19	1.64	1.24	1.74
Condenser Coll Cleaning	Maintenance	MH	E	14	0.55	0.19		Efficient Fan Control		MH	E		0.00	0.00	1.37	3.08	1.55	3.34	0.00	0.00
Condenser Coil Cleaning	Maintenance	MH	E	15	0.61	0.29		Efficient Fan Control		MH	E		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning	Maintenance	MH	E	16	0.46	0.05		Efficient Fan Control	HVAC	SF	E			0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning	Maintenance	MF	E	6	0.45	0.04		Efficient Fan Control		SF	E		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning	Maintenance	MF	E	8	0.47	0.06		Efficient Fan Control	HVAC	SF	E	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning	Maintenance	MF	E	9	0.49	0.09		Efficient Fan Control	HVAC	SF	E	10		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning	Maintenance	MF	E	10	0.50	0.10		Efficient Fan Control		SF	E		0.80	0.80	0.89	0.89	1.00	0.96	1.00	1.03
Condenser Coil Cleaning	Maintenance	MF	E	13	0.53	0.15		Efficient Fan Control		SF	E	14		0.74	0.86	0.83	0.96	0.90	0.96	0.96
Condenser Coil Cleaning	Maintenance	MF	E	14	0.55	0.19		Efficient Fan Control	HVAC	SF	E	15		2.80	1.53	3.11	1.72	3.38	1.64	3.60
Condenser Coil Cleaning	Maintenance	MF	E	15	0.61	0.29		Efficient Fan Control		SF	E		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning	Maintenance	MF	E	16	0.46	0.05		Evap Maint Functioning		МН	E		-0.53	n/a	-0.50	n/a	-0.44	n/a	-0.49	n/a
Condenser Coil Cleaning	Maintenance	SF	E .	6	0.45	0.04		Evap Maint Functioning	Maintenance	MH	E	10		0.01	0.13	0.02	0.14	0.03	0.16	0.03
Condenser Coil Cleaning Condenser Coil Cleaning	Maintenance Maintenance	SF SF	E	8 9	0.47	0.06		Evap Maint Functioning Evan Maint Functioning	Maintenance Maintenance	MH MH	E		0.18	0.03	0.17	0.05	0.18	0.07	0.20	0.08
		SF SF	E .								E -		0.15							
Condenser Coil Cleaning	Maintenance Maintenance	SF SF	E	10	0.50 0.53	0.10 0.15		Evap Maint Functioning	Maintenance	MH SF	E E	15	0.39	0.31	0.42	0.37	0.46	0.42	0.49	0.45
Condenser Coil Cleaning Condenser Coil Cleaning	Maintenance Maintenance	SF SF	E F	13	0.53	0.15		Evap Maint Functioning Evap Maint Functioning		SF SF	E F			0.09	0.21	0.11	0.22	0.12	0.25	0.13
Condenser Coil Cleaning Condenser Coil Cleaning	Maintenance Maintenance	SF SF	E F	14	0.55	0.19		Evap Maint Functioning Evap Maint Functioning	Maintenance Maintenance	SF SF	E F	13	0.26	0.15	0.27	0.18	0.29	0.21	0.32	0.23
Condenser Coil Cleaning Condenser Coil Cleaning	Maintenance Maintenance	SF SF	F	16	0.61	0.29		Evap Maint Functioning Evap Maint Functioning		SF SF	E F		0.29	0.20	0.53	0.25	0.35	0.60	0.37	0.32
Condenser Coil Cleaning Dishwasher	Appliance Appliance	SF MH	F	All	0.48	0.05		Evap Maint Functioning Evap Maint Functioning	Maintenance Maintenance	SF SF	E F		-0.30	-0.46	-0.53 -0.36	-0.49	-0.40	-0.52	-0.62	-0.55
Dishwasher	Appliance	SF	F	All	0.43	0.10		Evap Maint Ponctioning	Maintenance	MH	F	16		n/a	0.00	n/a	0.00	n/a	0.00	n/a
Efficient Fan Control	HVAC	MH	E	6	0.00	0.00		Evap Maint Nonfunctioning		MH	E		0.15	0.01	0.13	0.03	0.14	0.04	0.16	0.04
Efficient Fan Control	HVAC	MH	E	8	0.00	0.00		Evap Maint Nonfunctioning	Maintenance	MH	E		0.04	0.04	0.06	0.07	0.08	0.09	0.09	0.11
Efficient Fan Control	HVAC	MH	E	9	0.00	0.00		Evap Maint Nonfunctioning	Maintenance	MH	E	14		0.04	0.07	0.08	0.09	0.11	0.10	0.13
Efficient Fan Control	HVAC	MH	E	10	0.00	0.00		Evap Maint Nonfunctioning		MH	E		0.32	0.42	0.40	0.49	0.45	0.56	0.47	0.61

Notes:
-- ESACET scores for the MF CAM in PY2022 are not included because there is no NEB calculator available for MF CAM. Additionally, MF CAM is not included in Tables 5, 6 and 7 as it is being transitioned into the MFWB program. Appropriate cost effectiveness testing for the MFWB program portfolio is yet to be determined.

Efficient Fan Control	HVAC	MH	E	13	0.75	0.69	Evap Maint Nonfunctioning	Maintenance	SF E	10	0.24	0.12	0.24	0.14	0.26	0.16	0.28	0.18
Efficient Fan Control	HVAC	MH	E	14	0.91	1.22	Evap Maint Nonfunctioning	Maintenance	SF E	13	0.30	0.20	0.32	0.24	0.35	0.28	0.38	0.31
Efficient Fan Control	HVAC	MH	F	15	0.00	0.00	Evap Maint Nonfunctioning		SF F		0.33	0.27	0.37	0.33	0.41	0.39	0.44	0.42
Efficient Fan Control	HVAC	MH	F	16	0.00	0.00	Evap Maint Nonfunctioning		SF F	15		0.61	0.65	0.71	0.41	0.80	0.74	0.42
			_															
Efficient Fan Control	HVAC	MF	E	6	0.00	0.00	Evap Maint Nonfunctioning		SF E		-0.47	-0.61	-0.53	-0.65	-0.58	-0.69	-0.59	-0.73
Efficient Fan Control	HVAC	MF	E	8	0.00	0.00	Evaporator Coil Cleaning		MH E		0.44	0.02	0.44	0.02	0.45	0.03	0.48	0.03
Efficient Fan Control	HVAC	MF	E	9	0.00	0.00	Evaporator Coil Cleaning	Maintenance	MH E	8	0.44	0.03	0.45	0.04	0.46	0.04	0.48	0.05
Efficient Fan Control	HVAC	MF	E	10	0.00	0.00	Evaporator Coil Cleaning	Maintenance	MH E	9	0.45	0.05	0.47	0.05	0.48	0.06	0.50	0.07
Efficient Fan Control	HVAC	MF	F	13	0.65	0.46	Evaporator Coil Cleaning	Maintenance	MH E	10		0.05	0.47	0.06	0.48	0.07	0.51	0.08
		ME	-	14					MH F									
Efficient Fan Control	HVAC		E		0.79	0.81	Evaporator Coil Cleaning			13		0.08	0.51	0.09	0.53	0.10	0.54	0.12
Efficient Fan Control	HVAC	MF	E	15	1.06	2.02	Evaporator Coil Cleaning	Maintenance	MH E	14	0.49	0.10	0.52	0.12	0.54	0.13	0.58	0.15
Efficient Fan Control	HVAC	MF	E	16	0.00	0.00	Evaporator Coil Cleaning	Maintenance	MH E	15	0.52	0.15	0.58	0.17	0.60	0.20	0.64	0.23
Efficient Fan Control	HVAC:	SF	F	6	0.00	0.00	Evaporator Coil Cleaning	Maintenance	MH F	16	0.39	0.03	0.42	0.03	0.42	0.04	0.45	0.04
	HVAC	SF	-		0.00	0.00	Evaporator Coil Cleaning	Maintenance	or r		0.43	0.02	0.44	0.02	0.44	0.03	0.47	0.03
Efficient Fan Control			E						SF E									
Efficient Fan Control	HVAC	SF	E	9	0.00	0.00	Evaporator Coil Cleaning	Maintenance	SF E	8		0.03	0.45	0.04	0.46	0.04	0.49	0.05
Efficient Fan Control	HVAC	SF	E	10	0.00	0.00	Evaporator Coil Cleaning	Maintenance	SF E		0.45	0.05	0.47	0.05	0.48	0.06	0.50	0.07
Efficient Fan Control	HVAC	SF	E	13	0.76	0.72	Evaporator Coil Cleaning	Maintenance	SF E	10	0.45	0.05	0.47	0.06	0.48	0.07	0.51	0.08
Efficient Fan Control	HVAC	SF	F	14	0.74	0.67	Evaporator Coil Cleaning	Maintenance	SF F	13		0.08	0.50	0.09	0.51	0.10	0.54	0.12
Efficient Fan Control	HVAC	SF	F	15	1.13	2.53	Evaporator Coil Cleaning		SF F	14		0.10	0.51	0.12	0.53	0.13	0.57	0.15
	HVAC	SF							-					0.12	0.53			
Efficient Fan Control			E	16	0.00	0.00	Evaporator Coil Cleaning		SF E	15		0.15	0.56		0.00	0.20	0.62	0.23
Evap Maint Functioning	Maintenance	MH	E	16	-0.22	n/a	Evaporator Coil Cleaning	Maintenance	SF E	16		0.03	0.45	0.03	0.46	0.04	0.48	0.04
Evap Maint Functioning	Maintenance	MH	E	10	0.40	0.00	Fan Control	Maintenance	MH E	6	0.47	0.06	0.48	0.07	0.50	0.08	0.53	0.09
Evap Maint Functioning	Maintenance	MH	F	13	0.40	0.02	Ean Control	Maintenance	MH F	8		0.11	0.52	0.12	0.54	0.14	0.56	0.15
Evap Maint Functioning	Maintenance	MH	F	14	0.37	0.01	Fan Control		MH E	9		0.16	0.56	0.18	0.59	0.20	0.61	0.22
			E															
Evap Maint Functioning	Maintenance	MH	E	15	0.58	0.28	Fan Control		MH E		0.54	0.18	0.58	0.21	0.60	0.23	0.63	0.25
Evap Maint Functioning	Maintenance	SF	E	10	0.46	0.08	Fan Control		MH E	13		0.26	0.66	0.30	0.70	0.34	0.70	0.36
Evap Maint Functioning	Maintenance	SF	E	13	0.49	0.13	Fan Control	Maintenance	MH E	14	0.64	0.34	0.71	0.39	0.76	0.44	0.78	0.47
Evap Maint Functioning		SF	E	14	0.50	0.17	Fan Control		MH E	15	0.72	0.50	0.83	0.58	0.89	0.65	0.92	0.71
Evap Maint Functioning	Maintenance	SF	F	15	0.66	0.41	Fan Control		MH E	16		0.09	0.48	0.11	0.49	0.12	0.52	0.13
		SE	-	16						10								
Evap Maint Functioning	Maintenance		E		-0.01	-0.44	Fan Control		SF E			0.06	0.48	0.07	0.49	0.08	0.52	0.09
Evap Maint Nonfunctioning	Maintenance	MH	E	16	0.00	n/a	Fan Control	Maintenance	SF E	8	0.49	0.11	0.52	0.12	0.53	0.14	0.56	0.15
Evap Maint Nonfunctioning	Maintenance	MH	E	10	0.39	0.00	Fan Control		SF E	9	0.53	0.16	0.56	0.18	0.59	0.20	0.61	0.22
Evap Maint Nonfunctioning	Maintenance	MH	E	13	0.00	0.00	Fan Control		SF E	10		0.18	0.58	0.21	0.60	0.23	0.63	0.25
Evap Maint Nonfunctioning	Maintenance	MH	E	14	0.00	0.00	Fan Control		SF F		0.59	0.26	0.65	0.30	0.68	0.34	0.71	0.36
									SF E									
Evap Maint Nonfunctioning	Maintenance	MH	E	15	0.00	0.00	Fan Control	Maintenance	SF E	14		0.34	0.70	0.39	0.75	0.44	0.77	0.47
Evap Maint Nonfunctioning	Maintenance	SF	E	10	0.47	0.10	Fan Control	Maintenance	SF E	15	0.72	0.50	0.81	0.58	0.88	0.65	0.90	0.71
Evap Maint Nonfunctioning	Maintenance	SF	E	13	0.50	0.17	Fan Control	Maintenance	SF E	16	0.48	0.09	0.51	0.11	0.52	0.12	0.55	0.13
Evap Maint Nonfunctioning	Maintenance	SF	F	14	0.51	0.23	Heat Pump Water Heater Electric	Domestic Hot Water	SF F	6		0.00	0.00	0.00	0.82	1.14	0.00	0.00
Evap Maint Nonfunctioning	Maintenance	SF	F	15	0.71	0.55	Heat Pump Water Heater Electric		SF F		0.87	0.97	1.07	1.05	1.21	1.13	1.11	1.22
Evap Maint Nonfunctioning	Maintenance	SF	E	16	-0.15	-0.58	Heat Pump Water Heater Electric		SF E		0.00	0.00	0.73	1.04	0.00	0.00	0.00	0.00
Evaporator Coil Cleaning	Maintenance	MH	E	6	0.44	0.02	Heat Pump Water Heater Electric	Domestic Hot Water	SF E	10		0.00	0.73	1.04	0.81	1.12	0.00	0.00
Evaporator Coil Cleaning	Maintenance	MH	E	8	0.45	0.03	Heat Pump Water Heater Electric	Domestic Hot Water	SF E	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Evaporator Coil Cleaning	Maintenance	MH	E	9	0.46	0.05	Heat Pump Water Heater Electric	Domestic Hot Water	SF F		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Evaporator Coil Cleaning	Maintenance	MH	-	10	0.46	0.05	Heat Pump Water Heater Electric	Domestic Hot Water	or r	15		0.00	0.00	0.00	0.00	0.00	0.00	0.00
			-						SF E									
Evaporator Coil Cleaning	Maintenance	MH	E	13	0.48	0.07	Heat Pump Water Heater Electric	Domestic Hot Water	SF E	16		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Evaporator Coil Cleaning	Maintenance	MH	E	14	0.49	0.10	Heat Pump Water Heater Gas		SF E		0.34	n/a	0.28	n/a	0.34	n/a	0.33	n/a
Evaporator Coil Cleaning	Maintenance	MH	E	15	0.52	0.14	Heat Pump Water Heater Gas	Domestic Hot Water	SF E	8	0.36	n/a	0.31	n/a	0.37	n/a	0.36	n/a
Evaporator Coil Cleaning	Maintenance	MH	E	16	0.44	0.03	Heat Pump Water Heater Gas	Domestic Hot Water	SF E	٥	0.24	n/a	0.21	n/a	0.24	n/a	0.22	n/a
Evaporator Coll Cleaning	Maintenance	MF	F	6	0.44	0.02	Heat Pump Water Heater Gas		SF F	10		n/a	0.29	n/a	0.35	n/a	0.33	n/a
			_						-									
Evaporator Coil Cleaning		MF	E	8	0.45	0.03	Heat Pump Water Heater Gas	DOTTICSTIC FIRE FALLS	SF E	13		n/a	0.28	n/a	0.35	n/a	0.33	n/a
Evaporator Coil Cleaning	Maintenance	MF	E	9	0.46	0.05	Heat Pump Water Heater Gas	Domestic Hot Water	SF E	14	0.35	n/a	0.27	n/a	0.33	n/a	0.31	n/a
Evaporator Coil Cleaning	Maintenance	MF	E	10	0.46	0.05	Heat Pump Water Heater Gas	Domestic Hot Water	SF E	15	0.37	n/a	0.34	n/a	0.40	n/a	0.40	n/a
Evaporator Coil Cleaning	Maintenance	MF	F	13	0.48	0.07	Heat Pump Water Heater Gas	Domestic Hot Water	SF F	16	0.19	n/a	0.03	n/a	0.16	n/a	0.15	n/a
Evaporator Coil Cleaning	Maintenance	MF	F	14	0.49	0.10	Heat Pump Water Heater Propane		SF F		-0.28	n/a	-0.31	n/a	-0.30	n/a	-0.36	n/a
									SF E									
Evaporator Coil Cleaning	Maintenance	MF	E	15	0.52	0.14	Heat Pump Water Heater Propane	Domestic Hot Water	SF E	8		n/a	-0.24	n/a	-0.28	n/a	-0.31	n/a
Evaporator Coil Cleaning		MF	E	16	0.44	0.03	Heat Pump Water Heater Propane	Domestic Hot Water	SF E	9	-0.16	n/a	-0.18	n/a	-0.24	n/a	-0.21	n/a
Evaporator Coil Cleaning	Maintenance	SF	E	6	0.44	0.02	Heat Pump Water Heater Propane	Domestic Hot Water	SF E	10	-0.17	n/a	-0.18	n/a	-0.22	n/a	-0.23	n/a
Evaporator Coil Cleaning	Maintenance	SF	F	8	0.45	0.03	Heat Pump Water Heater Propane	Domestic Hot Water	SE E	13		n/a	-0.21	n/a	-0.18	n/a	0.08	n/a
Evaporator Coil Cleaning	Maintenance	SF	E	9	0.46	0.05	Heat Pump Water Heater Propane	Domestic Hot Water	SF E		-0.12	n/a	-0.25	n/a	-0.22	n/a	-0.18	n/a
Evaporator Coil Cleaning	Maintenance	SF	E	10	0.46	0.05	Heat Pump Water Heater Propane	Domestic Hot Water			-0.08	n/a	0.00	n/a	0.05	n/a	-0.11	n/a
Evaporator Coil Cleaning		SF	E	13	0.48	0.07	Heat Pump Water Heater Propane		SF E	16		n/a	0.00	n/a	-0.64	n/a	0.00	n/a
Evaporator Coil Cleaning	Maintenance	SF	E	14	0.49	0.10	LED Diffuse A-Lamp	Lighting	MH E	6	1.21	4.29	1.54	4.62	1.74	4.95	1.63	5.27
Evaporator Coil Cleaning	Maintenance	SF	E	15	0.52	0.14	LED Diffuse A-Lamp	Lighting	MH E	8	1.26	4.82	1.61	5.19	1.82	5.56	1.69	5.92
Evaporator Coil Cleaning	Maintenance	SF	E	16	0.44	0.03	LED Diffuse A-Lamp		MH E	9	1.25	4.79	1.60	5.15	1.81	5.52	1.68	5.88
Fan Control	Maintenance	MH	E	6	0.47	0.03	LED Diffuse A-Lamp		MH E	10		4.82	1.60	5.19	1.81	5.55	1.68	5.91
Fan Control	Maintenance	MH	E	8	0.49	0.09	LED Diffuse A-Lamp	-99	MH E	13		4.85	1.58	5.23	1.79	5.60	1.67	5.97
Fan Control	Maintenance	MH	E	9	0.52	0.14	LED Diffuse A-Lamp		MH E	14		4.81	1.58	5.19	1.79	5.56	1.66	5.92
Fan Control	Maintenance	MH	E	10	0.53	0.16	LED Diffuse A-Lamp	Lighting	MH E	15	1.34	5.59	1.72	6.01	1.95	6.43	1.81	6.85
Fan Control	Maintenance	MH	E	13	0.57	0.23	LED Diffuse A-Lamp	Lighting	MH E	16	1.14	4.19	1.46	4.52	1.65	4.84	1.54	5.16
Fan Control		MH	E	14	0.61	0.30	LED Diffuse A-Lamp		SF E		1.15	4.10	1.47	4.42	1.66	4.73	1.56	5.04
		MH		15	0.68	0.45	LED Diffuse A-Lamp	99	ec r		1.18	4.33	1.51	4.66	1.71	5.00	1.60	5.32
Fan Control	Maintenance		E					Lighting	or E	8								
Fan Control	Maintenance	MH	E	16	0.48	0.08	LED Diffuse A-Lamp	Lighting	SF E	9	1.18	4.42	1.51	4.76	1.72	5.11	1.60	5.44
Fan Control	Maintenance	MF	E	6	0.47	0.06	LED Diffuse A-Lamp		SF E	10		4.30	1.48	4.64	1.67	4.98	1.56	5.31
Fan Control	Maintenance	MF	E	8	0.49	0.09	LED Diffuse A-Lamp	Lighting	SF E	13	1.16	4.48	1.49	4.84	1.69	5.19	1.57	5.53
Fan Control	Maintenance	MF	E	9	0.52	0.14	LED Diffuse A-Lamp		SF E	14		4.49	1.48	4.84	1.68	5.19	1.57	5.54
	Maintenance	MF	F	10	0.52	0.14			SF E	15	1.15	5.26	1.46	5.66	1.88	6.06	1.74	6.45
Fan Control			_				LED Diffuse A-Lamp											
Fan Control	Maintenance	MF	E	13	0.57	0.23	LED Diffuse A-Lamp	Lighting	SF E	16		3.97	1.40	4.29	2.03	4.60	1.48	4.91
Fan Control	Maintenance	MF	E	14	0.61	0.30	LED Reflector Lamp	Lighting	MH E	6	1.09	3.01	1.35	3.24	1.52	3.47	1.45	3.70
Fan Control	Maintenance	MF	E	15	0.68	0.45	LED Reflector Lamp		MH E	8	1.14	3.38	1.44	3.64	1.61	3.90	1.52	4.15
Fan Control	Maintenance	MF	F	16	0.48	0.08	LED Reflector Lamp		MH E	9		3.35	1.41	3.61	1.59	3.87	1.51	4 12
		SF	F	6	0.46				MH E	10								
Fan Control			_			0.06	LED Reflector Lamp					3.38	1.41	3.64	1.59	3.89	1.50	4.15
Fan Control	Maintenance	SF	E	8	0.49	0.09	LED Reflector Lamp		MH E	13		0.00	0.00	0.00	1.56	3.93	0.00	0.00
		SF	E	9	0.52	0.14	LED Reflector Lamp		MH E	14		3.37	1.41	3.64	1.59	3.89	1.49	4.15
Fan Control	Maintenance																	
Fan Control Fan Control		SF	E	10	0.53	0.16	LED Reflector Lamp	Lighting	MH E	15	0.00	0.00	0.00	0.00	0.00	0.00		0.00
Fan Control	Maintenance	SF SF	E	10 13	0.53 0.57	0.16			MH E	15		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fan Control Fan Control	Maintenance Maintenance	SF	E	13	0.57	0.23	LED Reflector Lamp	Lighting	MH E	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fan Control Fan Control	Maintenance Maintenance Maintenance	SF SF	E E	13	0.57 0.61	0.23 0.30	LED Reflector Lamp LED Reflector Lamp	Lighting Lighting	MH E SF E	16	0.00 1.04	0.00 2.87	0.00 1.30	0.00 3.10	0.00 1.45	0.00 3.32	0.00 0.00 1.38	0.00 3.54
Fan Control Fan Control Fan Control Fan Control	Maintenance Maintenance Maintenance Maintenance Maintenance	SF SF SF	E E	13 14 15	0.57 0.61 0.68	0.23 0.30 0.45	LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting	MH E SF E SF E	16 6 8	0.00 1.04 1.07	0.00 2.87 3.03	0.00 1.30 1.34	0.00 3.10 3.27	0.00 1.45 1.50	0.00 3.32 3.50	0.00 0.00 1.38 1.42	0.00 3.54 3.73
Fan Control Fan Control	Maintenance Maintenance Maintenance	SF SF	E E	13	0.57 0.61	0.23 0.30	LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting	MH E SF E	16	0.00 1.04 1.07	0.00 2.87	0.00 1.30	0.00 3.10	0.00 1.45	0.00 3.32	0.00 0.00 1.38	0.00 3.54
Fan Control Fan Control Fan Control Fan Control	Maintenance Maintenance Maintenance Maintenance Maintenance	SF SF SF	E E	13 14 15	0.57 0.61 0.68	0.23 0.30 0.45	LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting	MH E SF E SF E	16 6 8	0.00 1.04 1.07 1.07	0.00 2.87 3.03	0.00 1.30 1.34	0.00 3.10 3.27	0.00 1.45 1.50	0.00 3.32 3.50	0.00 0.00 1.38 1.42	0.00 3.54 3.73

Notes:
-- ESACET scores for the MF CAM in PY2022 are not included because there is no NEB calculator available for MF CAM. Additionally, MF CAM is not included in Tables 5, 6 and 7 as it is being transitioned into the MFWB program. Appropriate cost effectiveness testing for the MFWB program portfolio is yet to be determined.

L																	
Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	8	0.80	0.89	LED Reflector Lamp	Lighting SF	E	13 1.05	3.14	1.32	3.39	1.49	3.64	1.41	3.88
Heat Pump Water Heater Electric		SF	E	9	0.00	0.00	LED Reflector Lamp	Lighting SF	F	14 1.05	3.15	1.32	3.39	1.49	3.64	1.40	3.88
Heat Pump Water Heater Electric		SF	F	10	0.00	0.00	LED Reflector Lamp	Lighting SF	F	15 1.17	3.68	1.48	3.97	1.67	4.25	1.57	4.52
Heat Pump Water Heater Electric		SF	E	13	0.00	0.00	LED Reflector Lamp	Lighting SF	E	16 0.99	2.79	1.24	3.01	1.87	3.23	1.32	3.44
Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	14	0.00	0.00	MSHP - RAC Elect Heat	HVAC SF	E	6 0.31	0.10	0.33	0.11	0.33	0.12	0.41	0.13
Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	15	0.00	0.00	MSHP - RAC Elect Heat	HVAC SF	E	8 0.32	0.10	0.34	0.11	0.30	0.12	0.42	0.13
Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	16	0.00	0.00	MSHP - RAC Elect Heat	HVAC SF	E	9 0.38	0.20	0.42	0.22	0.43	0.24	0.52	0.26
Heat Pump Water Heater Gas		SF	E	6	0.35	n/a	MSHP - RAC Elect Heat	HVAC SF	E	10 0.54	0.43	0.61	0.47	0.64	0.51	0.71	0.55
Heat Pump Water Heater Gas		SF	E	8	0.37	n/a	MSHP - RAC Elect Heat	HVAC SF	E	13 0.51	0.35	0.57	0.38	0.59	0.41	0.67	0.44
Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	9	0.36	n/a	MSHP - RAC Elect Heat	HVAC SF	E	14 0.63	0.58	0.71	0.64	0.76	0.69	0.83	0.74
Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	10	0.36	n/a	MSHP - RAC Elect Heat	HVAC SF	E	15 0.52	0.34	0.56	0.37	0.58	0.40	0.69	0.43
Heat Pump Water Heater Gas		SF	E	13	0.35	n/a	MSHP - RAC Elect Heat	HVAC SF	F	16 0.38	0.12	0.39	0.14	0.38	0.15	0.45	0.16
		SF	F	14	0.33	n/a	MSHP - RAC Gas	HVAC SF	F	6 0.35	n/a	0.35	n/a	0.38	n/a	0.45	
Heat Pump Water Heater Gas											1000						n/a
Heat Pump Water Heater Gas		SF	E	15	0.40	n/a	MSHP - RAC Gas	HVAC SF	E	8 0.28	n/a	0.31	n/a	0.31	n/a	0.39	n/a
Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	16	0.19	n/a	MSHP - RAC Gas	HVAC SF	E	9 0.42	n/a	0.44	n/a	0.43	n/a	0.54	n/a
Heat Pump Water Heater Propane	Domestic Hot Water	SF	F	6	-0.25	n/a	MSHP - RAC Gas	HVAC: SE	F	10 0.41	n/a	0.47	n/a	0.46	n/a	0.55	n/a
Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	8	-0.22	n/a	MSHP - RAC Gas	HVAC SF	F	13 0.37	n/a	0.45	n/a	0.40	n/a	0.42	n/a
		SF					MSHP - RAC Gas	HVAC SE		14 0.42		0.46					
Heat Pump Water Heater Propane			E	Э	-0.22	n/a			E		n/a		n/a	0.46	n/a	0.48	n/a
Heat Pump Water Heater Propane		SF	E	10	-0.22	n/a	MSHP - RAC Gas	HVAC SF	E	16 0.47	n/a	0.60	n/a	0.37	n/a	0.53	n/a
Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	13	-0.25	n/a	MSHP - RAC Gas	HVAC SF	E	15 0.43	0.26	0.51	0.27	0.58	0.29	0.51	0.31
Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	14	-0.28	n/a	MSHP - RAC Propane	HVAC SF	F	6 0.24	n/a	0.25	n/a	0.25	n/a	0.34	n/a
Heat Pump Water Heater Propane		SF	E	15	-0.06	n/a	MSHP - RAC Propane	HVAC SF	F	8 0.26	n/a	0.27	n/a	0.26	n/a	0.36	n/a
		SF	F	16	-0.62		MSHP - RAC Propane	HVAC SE	F	9 028		0.27		0.20		0.38	
Heat Pump Water Heater Propane						n/a					n/a		n/a		n/a		n/a
LED Diffuse A-Lamp		MH	E	6	1.08	3.99	MSHP - RAC Propane	HVAC SF	E	10 0.24	n/a	0.24	n/a	0.24	n/a	0.33	n/a
LED Diffuse A-Lamp	Lighting	MH	E	8	1.13	4.48	MSHP - RAC Propane	HVAC SF	E	13 0.21	n/a	0.21	n/a	0.22	n/a	0.28	n/a
LED Diffuse A-Lamp		MH	E	9	1.12	4.45	MSHP - RAC Propane	HVAC SF	E	14 0.21	n/a	0.21	n/a	0.20	n/a	0.30	n/a
LED Diffuse A-Lamp		MH	E	10	1.12	4.47	MSHP - RAC Propane	HVAC SF	E	16 0.28	n/a	0.29	n/a	0.27	n/a	0.31	n/a
	- cyrrang																
LED Diffuse A-Lamp		MH	E	13	1.10	4.51	MSHP - RAC Propane	HVAC SF	E	15 0.40	0.14	0.43	0.15	0.44	0.17	0.53	0.18
LED Diffuse A-Lamp		MH	E	14	1.10	4.47	Portable AC	HVAC MH	E	13 -0.60	n/a	-0.45	n/a	-0.38	n/a	-0.81	n/a
LED Diffuse A-Lamp	Lighting	MH	E	15	1.20	5.20	Portable AC	HVAC MH	E	14 -0.69	n/a	-0.44	n/a	-1.28	n/a	-0.95	n/a
LED Diffuse A-Lamp	Lighting	MH	E	16	1.02	3.88	Portable AC	HVAC MH	E	15 0.00	n/a	-1.48	n/a	-1.53	n/a	-1.83	n/a
LED Diffuse A-Lamp		MF	E	6	1.02	3.88	Portable AC	HVAC SF	F		n/a	-0.36	n/a	-0.47	n/a	-0.52	n/a
LED Diffuse A-Lamp		MF	E	8	1.10	4.12	Portable AC	HVAC SF	E	14 -0.79	n/a	-0.93	n/a	-1.06	n/a	-1.16	n/a
LED Diffuse A-Lamp		MF	E	9	1.10	4.30	Portable AC	HVAC SF	E	15 -0.80	n/a	-0.89	n/a	-1.00	n/a	-1.07	n/a
LED Diffuse A-Lamp		MF	E	10	1.09	4.26	Refrigerant Charge Adjustment	Maintenance MH	E	6 0.96	1.14	1.14	1.32	1.26	1.48	1.26	1.60
LED Diffuse A-Lamp		MF	E	13	1.08	4.25	Refrigerant Charge Adjustment	Maintenance MH	E	8 1.19	2.28	1.48	2.64	1.66	2.96	1.60	3.19
														1.77			
LED Diffuse A-Lamp		MF	E	14	1.09	4.30	Refrigerant Charge Adjustment	Maintenance MH	E	9 1.25	2.73	1.57	3.17		3.55	1.69	3.83
LED Diffuse A-Lamp	Lighting	MF	E	15	1.19	5.01	Refrigerant Charge Adjustment	Maintenance MH	E	10 1.38	4.16	1.77	4.82	2.02	5.40	1.89	5.83
LED Diffuse A-Lamp	Lighting	MF	E	16	1.02	3.78	Refrigerant Charge Adjustment	Maintenance MH	E	13 1.49	6.20	1.95	7.18	2.23	8.05	2.05	8.69
LED Diffuse A-Lamp	Lighting	SF	E	6	1.03	3.80	Refrigerant Charge Adjustment	Maintenance MH	F	14 1.55	8 17	2.05	9.47	2.35	10.61	2.15	11.45
		SF		_	1.06						10.65				13.82	2.22	
LED Diffuse A-Lamp			E	8		4.02	Refrigerant Charge Adjustment	Maintenance MH	E			2.13	12.33	2.45			14.92
LED Diffuse A-Lamp	Lighting	SF	E	9	1.06	4.10	Refrigerant Charge Adjustment	Maintenance MH	E	16 1.03	1.55	1.27	1.80	1.41	2.01	1.39	2.17
LED Diffuse A-Lamp	Lighting	SF	E	10	1.03	3.99	Refrigerant Charge Adjustment	Maintenance SF	E	6 0.95	1.14	1.14	1.32	1.25	1.48	1.25	1.60
LED Diffuse A-Lamp		SF	E	13	1.04	4.16	Refrigerant Charge Adjustment	Maintenance SF	F	8 1.19	2.28	1.48	2.64	1.66	2.96	1.60	3.19
LED Diffuse A-Lamp		SF	E	14	1.03	4.16	Refrigerant Charge Adjustment	Maintenance SF	E	9 1.25	2.73	1.57	3.17	1.77	3.55	1.69	3.83
LED Diffuse A-Lamp		SF	E	15	1.16	4.89	Refrigerant Charge Adjustment	Maintenance SF	E	10 1.38	4.16	1.77	4.82	2.02	5.40	1.89	5.83
LED Diffuse A-Lamp	Lighting	SF	E	16	0.98	3.68	Refrigerant Charge Adjustment	Maintenance SF	E	13 1.49	6.20	1.95	7.18	2.22	8.05	2.05	8.69
LED Reflector Lamp	Lighting	MH	E	6	0.98	2.80	Refrigerant Charge Adjustment	Maintenance SF	E	14 1.55	8.17	2.05	9.47	2.35	10.61	2.14	11.45
LED Reflector Lamp	Lighting	MH	E	8	1.02	3.14	Refrigerant Charge Adjustment	Maintenance SF	F	15 1.60	10.65	2.13	12.33	2.45	13.82	2.22	14.92
LED Reflector Lamp		MH	F	9	1.02	3.12	Refrigerant Charge Adjustment	Maintenance SF	E	16 1.06	1.55	1.29	1.80	1.43	2.01	1.40	2.17
LED Reflector Lamp																	
LED Reflector Lamp		MH	E	10	1.02	3.14	Smart Power Strip Tier 2	Miscellaneous MH	E	6 0.74	1.28	0.90	1.43	1.01	1.58	1.00	1.70
LED Reflector Lamp	Lighting	MH	E	13	0.00	0.00	Smart Power Strip Tier 2	Miscellaneous MH	E	8 0.80	1.45	0.97	1.62	1.09	1.77	1.08	1.92
LED Reflector Lamp	Lighting	MH	E	14	1.00	3.13	Smart Power Strip Tier 2	Miscellaneous MH	E	9 0.79	1.43	0.96	1.60	1.08	1.76	1.07	1.90
LED Reflector Lamp	Lighting	MH	E	15	0.00	0.00	Smart Power Strip Tier 2	Miscellaneous MH		10 0.79	1.44	0.96	1.61	1.08	1.77	1.07	1.91
LED Reflector Lamp	0 0								F								
									E								
LED Reflector Lamp		MH	Е	16	0.00	0.00	Smart Power Strip Tier 2	Miscellaneous MH	E	13 0.78	1.45	0.96	1.62	1.08	1.78	1.06	1.92
	Lighting	MH MF			0.00 0.96	0.00 2.72		Miscellaneous MH Miscellaneous MH	E E E		1.45 1.43	0.96 0.95	1.62 1.60	1.08	1.78 1.76	1.06	1.92
LED Reflector Lamp	Lighting Lighting	MH MF MF	E E	16 6 8	0.00 0.96 0.99	2.72	Smart Power Strip Tier 2 Smart Power Strip Tier 2 Smart Power Strip Tier 2	Miscellaneous MH Miscellaneous MH Miscellaneous MH	E	13 0.78 14 0.78 15 0.88	1.43	0.95 1.08	1.60 1.89	1.07	1.76 2.07	1.06	1.90 2.23
LED Reflector Lamp LED Reflector Lamp	Lighting Lighting	MH MF	E E	16 6	0.00 0.96	2.72	Smart Power Strip Tier 2 Smart Power Strip Tier 2	Miscellaneous MH Miscellaneous MH Miscellaneous MH	E E	13 0.78 14 0.78	1.43	0.95	1.60	1.07	1.76	1.06	1.90
LED Reflector Lamp	Lighting Lighting Lighting	MH MF MF MF	E E E	16 6 8	0.00 0.96 0.99 1.00	2.72 2.89 3.02	Smart Power Strip Tier 2 Smart Power Strip Tier 2 Smart Power Strip Tier 2 Smart Power Strip Tier 2	Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous MH	E E	13 0.78 14 0.78 15 0.88 16 0.70	1.43 1.70 1.22	0.95 1.08 0.85	1.60 1.89 1.37	1.07 1.21 0.96	1.76 2.07 1.51	1.06 1.19 0.95	1.90 2.23 1.64
LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting	MH MF MF MF	E E E E	16 6 8 9	0.00 0.96 0.99 1.00 0.99	2.72 2.89 3.02 2.98	Smart Power Strip Tier 2	Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous SF Miscellaneous SF	E E E E	13 0.78 14 0.78 15 0.88 16 0.70 6 0.70	1.43 1.70 1.22 1.21	0.95 1.08 0.85 0.85	1.60 1.89 1.37 1.35	1.07 1.21 0.96 0.96	1.76 2.07 1.51 1.49	1.06 1.19 0.95 0.95	1.90 2.23 1.64 1.61
LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting	MH MF MF MF MF MF	E E E E	16 6 8 9 10	0.00 0.96 0.99 1.00 0.99 0.98	2.72 2.89 3.02 2.98 2.98	Smart Power Strip Tier 2	Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous SF Miscellaneous SF	E E E E E	13 0.78 14 0.78 15 0.88 16 0.70 6 0.70 8 0.73	1.43 1.70 1.22 1.21 1.28	0.95 1.08 0.85 0.85 0.89	1.60 1.89 1.37 1.35 1.43	1.07 1.21 0.96 0.96 1.00	1.76 2.07 1.51 1.49 1.58	1.06 1.19 0.95 0.95 0.99	1.90 2.23 1.64 1.61 1.71
LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	MH MF MF MF MF MF MF MF	E E E E E E E E E E E E E E E E E E E	16 6 8 9 10 13	0.00 0.96 0.99 1.00 0.99 0.98	2.72 2.89 3.02 2.98 2.98 3.02	Smart Power Strip Tier 2	Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous SF Miscellaneous SF Miscellaneous SF Miscellaneous SF	E E E E E E E E E E E E E E E E E E E	13 0.78 14 0.78 15 0.88 16 0.70 6 0.70 8 0.73 9 0.73	1.43 1.70 1.22 1.21 1.28 1.31	0.95 1.08 0.85 0.85 0.89 0.90	1.60 1.89 1.37 1.35 1.43 1.46	1.07 1.21 0.96 0.96 1.00 1.01	1.76 2.07 1.51 1.49 1.58 1.61	1.06 1.19 0.95 0.95 0.99 1.00	1.90 2.23 1.64 1.61 1.71 1.74
LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	MH MF MF MF MF MF	E E E E	16 6 8 9 10	0.00 0.96 0.99 1.00 0.99 0.98 0.99	2.72 2.89 3.02 2.98 2.98	Smart Power Strip Tier 2	Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous SF Miscellaneous SF	E E E E E	13 0.78 14 0.78 15 0.88 16 0.70 6 0.70 8 0.73	1.43 1.70 1.22 1.21 1.28	0.95 1.08 0.85 0.85 0.89	1.60 1.89 1.37 1.35 1.43	1.07 1.21 0.96 0.96 1.00	1.76 2.07 1.51 1.49 1.58	1.06 1.19 0.95 0.95 0.99	1.90 2.23 1.64 1.61 1.71 1.74
LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	MH MF MF MF MF MF MF MF	E E E E E E E E E E E E E E E E E E E	16 6 8 9 10 13	0.00 0.96 0.99 1.00 0.99 0.98	2.72 2.89 3.02 2.98 2.98 3.02	Smart Power Strip Tier 2	Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous SF Miscellaneous SF Miscellaneous SF Miscellaneous SF	E E E E E E E E E E E E E E E E E E E	13 0.78 14 0.78 15 0.88 16 0.70 6 0.70 8 0.73 9 0.73	1.43 1.70 1.22 1.21 1.28 1.31	0.95 1.08 0.85 0.85 0.89 0.90	1.60 1.89 1.37 1.35 1.43 1.46	1.07 1.21 0.96 0.96 1.00 1.01	1.76 2.07 1.51 1.49 1.58 1.61	1.06 1.19 0.95 0.95 0.99 1.00	1.90 2.23 1.64 1.61 1.71 1.74
LED Reflector Lamp	Lighting	MH MF MF MF MF MF MF MF MF MF	E E E E E E E E E E E E E E E E E E E	16 6 8 9 10 13 14	0.00 0.96 0.99 1.00 0.99 0.98 0.99 1.08	2.72 2.89 3.02 2.98 2.98 3.02 3.51 2.65	Smart Power Stirp Tier 2	Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous MH Miscellaneous SH Miscellaneous SF	E E E E E E E E E E E E E E E E E E E	13 0.78 14 0.78 15 0.88 16 0.70 6 0.70 8 0.73 9 0.73 10 0.71 13 0.72	1.43 1.70 1.22 1.21 1.28 1.31 1.26	0.95 1.08 0.85 0.85 0.89 0.90 0.87	1.60 1.89 1.37 1.35 1.43 1.46 1.42	1.07 1.21 0.96 0.96 1.00 1.01 0.98	1.76 2.07 1.51 1.49 1.58 1.61 1.56	1.06 1.19 0.95 0.95 0.99 1.00 0.97 0.99	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76
LED Reflector Lamp	Lighting	MH MF MF MF MF MF MF MF SF	E E E E E E E E E E E E E E E E E E E	16 6 8 9 10 13 14 15 16	0.00 0.96 0.99 1.00 0.99 0.98 0.99 1.08 0.92 0.93	2.72 2.89 3.02 2.98 2.98 3.02 3.51 2.65 2.66	Smart Power Stirp Tier 2	Macellaneous	E E E E E E E E E E E E E E E E E E E	13 0.78 14 0.78 15 0.88 16 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47	1.07 1.21 0.96 0.96 1.00 1.01 0.98 1.00	1.76 2.07 1.51 1.49 1.58 1.61 1.56 1.62	1.06 1.19 0.95 0.95 0.99 1.00 0.97 0.99 0.98	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76
LED Reflector Lamp	Lighting	MH MF MF MF MF MF MF MF SF SF	E E E E E E E E E E E E E E E E E E E	16 6 8 9 10 13 14 15 16 6	0.00 0.96 0.99 1.00 0.99 0.96 0.99 1.08 0.92 0.93	2.72 2.89 3.02 2.98 2.98 3.02 3.51 2.65 2.66 2.82	Smart Power Step The 2	Macelaneous MH	E E E E E E E E E E E E E E E E E E E	13 0.78 14 0.78 15 0.88 16 0.70 6 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47 1.47	1.07 1.21 0.96 0.96 1.00 1.01 0.98 1.00 0.99	1.76 2.07 1.51 1.49 1.58 1.61 1.56 1.62 1.62	1.06 1.19 0.95 0.95 0.99 1.00 0.97 0.99 0.98 1.13	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 1.76 2.09
LED Reflector Lamp	Lighting	MH MF MF MF MF MF MF MF SF SF SF	E E E E E E E E E E E E E E E E E E E	16 6 8 9 10 13 14 15 16 6 8 9 9	0.00 0.96 0.99 1.00 0.99 0.98 0.99 1.08 0.92 0.93	2.72 2.89 3.02 2.98 2.98 3.02 3.51 2.65 2.66 2.82 2.88	Smath Power Skip The 2	Macelaneous	E E E E E E E E E E E E E E E E E E E	13 0.78 14 0.78 15 0.88 16 0.70 6 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.86	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.58 1.15	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 1.02	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.76	1.07 1.21 0.96 0.96 1.00 1.01 0.98 1.00 0.99 1.15	1.76 2.07 1.51 1.49 1.58 1.81 1.56 1.62 1.62 1.94	1.06 1.19 0.95 0.95 0.99 1.00 0.97 0.99 0.98 1.13	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 1.76 2.09
LED Relector Lamp	Lighting	MH MF MF MF MF MF MF SF SF SF		16 6 8 9 10 13 14 15 16 6 8 9	0.00 0.96 0.99 1.00 0.99 0.98 0.99 1.08 0.92 0.93 0.96 0.96	2.72 2.89 3.02 2.98 2.98 3.02 3.51 2.65 2.66 2.82 2.88 2.80	Smart Power Stip The 2	Macellaneous	E E E E E E E E E E E E E E E E E E E	13 0.76 14 0.77 15 0.88 16 0.70 6 0.77 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.86 16 0.75	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.51 1.55 1.15	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 1.02 0.81	1.60 1.89 1.37 1.35 1.43 1.48 1.42 1.47 1.47 1.47 1.76 1.29	1.07 1.21 0.96 0.96 1.00 1.01 0.98 1.00 0.99 1.15 0.91	1.76 2.07 1.51 1.49 1.58 1.61 1.56 1.62 1.62 1.62 1.43 0.66	1.06 1.19 0.95 0.95 0.99 1.00 0.97 0.99 0.98 1.13 0.91	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 1.76 2.09 1.55 0.70
LED Reflector Lamp	Lighting	MH MF MF MF MF MF MF MF SF SF SF	E E E E E E E E E E E E E E E E E E E	16 6 8 9 10 13 14 15 16 6 8 9 9	0.00 0.96 0.99 1.00 0.99 0.98 0.99 1.08 0.92 0.93	2.72 2.89 3.02 2.98 2.98 3.02 3.51 2.65 2.66 2.82 2.88	Smath Power Skip The 2	Macelaneous	E E E E E E E E E E E E E E E E E E E	13 0.78 14 0.78 15 0.88 16 0.70 6 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.86	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.58 1.15	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 1.02	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.76	1.07 1.21 0.96 0.96 1.00 1.01 0.98 1.00 0.99 1.15	1.76 2.07 1.51 1.49 1.58 1.81 1.56 1.62 1.62 1.94	1.06 1.19 0.95 0.95 0.99 1.00 0.97 0.99 0.98 1.13	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 1.76 2.09
LED Relector Lamp	Lighting	MH MF MF MF MF MF MF SF SF SF		16 6 8 9 10 13 14 15 16 6 8 9	0.00 0.96 0.99 1.00 0.99 0.98 0.99 1.08 0.92 0.93 0.96 0.96	2.72 2.89 3.02 2.98 2.98 3.02 3.51 2.65 2.66 2.82 2.88 2.80	Smart Power Stip The 2	Macellaneous	E E E E E E E E E E E E E E E E E E E	13 0.76 14 0.77 15 0.88 16 0.70 6 0.77 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.86 16 0.75	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.51 1.55 1.15	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 1.02 0.81	1.60 1.89 1.37 1.35 1.43 1.48 1.42 1.47 1.47 1.47 1.76 1.29	1.07 1.21 0.96 0.96 1.00 1.01 0.98 1.00 0.99 1.15 0.91	1.76 2.07 1.51 1.49 1.58 1.61 1.56 1.62 1.62 1.62 1.43 0.66	1.06 1.19 0.95 0.95 0.99 1.00 0.97 0.99 0.98 1.13 0.91	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 1.76 2.09 1.55 0.70
LED Reflector Lamp	Lighting	Mit MF MF MF MF MF MF MF SF SF SF SF SF		16 6 8 9 10 13 14 15 16 6 8 9 10	0.00 0.96 0.99 1.00 0.99 0.98 0.99 1.08 0.92 0.93 0.96 0.96 0.96	2.72 2.89 3.02 2.98 2.98 3.02 3.51 2.85 2.66 2.82 2.88 2.80 2.92	Smart Power Skip The 2 Smart Power Skip The 3 Smart Power Skip The 4	Maceulamous		13 0.78 14 0.78 15 0.88 16 0.70 6 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.94 16 0.06 6 0.051	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.51 1.55 0.57 0.89	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 1.02 0.81 0.60 0.79	1.60 1.89 1.37 1.35 1.43 1.48 1.42 1.47 1.47 1.76 1.29 0.62	1.07 1.21 0.96 0.96 1.00 1.01 0.98 1.00 0.99 1.15 0.91 0.63	1.76 2.07 1.51 1.49 1.58 1.61 1.56 1.62 1.62 1.94 1.43 0.66	1.06 1.19 0.95 0.95 0.99 1.00 0.97 0.99 0.98 1.13 0.91	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 1.76 2.09 1.55 0.70 1.09
LED Reflector Lamp	Luphring	MF MF MF MF MF MF MF SF SF SF SF SF SF SF		18 6 8 9 10 13 14 15 16 6 8 9 10 13 14	0.00 0.96 0.99 1.00 0.99 0.98 0.99 1.08 0.92 0.93 0.96 0.94 0.94	2.72 2.89 3.02 2.98 2.98 3.02 3.51 2.65 2.86 2.82 2.80 2.92 2.92 2.92	Smart Power Skip The 2 Smart Themostat Smart Themostat Smart Themostat Smart Themostat Smart Themostat	Macoulamous		13 0.78 14 0.78 15 0.88 16 0.70 6 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.94 16 0.96 6 0.55 8 0.99 9 0.67	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.58 1.15 0.57 0.89 0.84 1.29	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 1.02 0.81 0.60 0.79 0.78	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.76 1.29 0.62 0.99 0.91	1.07 1.21 0.96 0.96 1.00 1.01 0.98 1.00 0.99 1.15 0.91 0.63 0.87 0.84	1.76 2.07 1.51 1.49 1.58 1.61 1.56 1.62 1.62 1.94 1.43 0.86 1.03 0.98	1.06 1.19 0.95 0.95 0.99 1.00 0.97 0.99 0.98 1.13 0.91 0.64 0.87 0.85 1.07	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 2.09 1.55 0.70 1.09 1.03 1.59
LED Reflector Lamp	Luphring	MH MF MF MF MF MF MF MF SF		16 6 8 9 10 13 14 15 16 6 8 9 10 13 14 14 15 16	0.00 0.96 0.99 1.00 0.99 0.98 0.99 1.08 0.92 0.93 0.96 0.96 0.94 0.94 0.94 0.94 0.94	2.72 2.89 3.02 2.98 2.98 3.02 3.51 2.65 2.66 2.82 2.88 2.80 2.92 2.92 2.92 3.42 2.58	Smart Power Step The 2 Smart Power Step The 3 Smart Themostal	Macellaneous		13 0.76 14 0.77 15 0.88 16 0.97 6 0.77 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.86 16 0.96 16 0.97 17 0.86 18 0.98 18 0.98 19 0.97 19 0.98 19 0.98 19 0.98	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.58 1.15 0.57 0.89 0.84 1.29 1.66	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 1.02 0.81 0.60 0.79 0.78 0.99	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.76 1.29 0.62 0.96 0.91 1.40 1.79	1.07 1.21 0.98 0.96 1.00 1.01 0.98 1.00 0.99 1.15 0.91 0.63 0.87 0.84 1.08	1.76 2.07 1.51 1.49 1.58 1.61 1.56 1.62 1.62 1.94 1.43 0.66 1.03 0.98 1.03	1.06 1.19 0.95 0.95 0.95 1.00 0.97 0.99 1.13 0.91 0.84 0.87 0.85 1.07	1.90 2.23 1.64 1.61 1.71 1.74 1.76 1.76 2.09 1.76 2.09 1.03 1.03 1.03 1.09 1.03
LED Reflector Lamp MSRP - RAC Elect Head	Laphine	July July July July July July July July		18 6 8 9 10 13 14 15 6 8 9 10 13 14 15 16 6 10 13 14 15 16 6 6	0.00 0.96 0.99 1.00 0.99 0.99 1.08 0.99 1.08 0.92 0.93 0.96 0.94 0.94 1.06	2.72 2.89 3.02 2.98 2.98 3.02 3.51 2.65 2.66 2.82 2.82 2.80 2.92 2.92 3.42 2.92	Smart Power Skip The 2 Smart Power Skip The 3 Smart Themostat	Maceulamonus		13 0.78 14 0.78 15 0.88 16 0.70 8 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.51 8 0.09 9 0.67 10 0.67	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.58 1.15 0.57 0.89 0.84 1.29 1.36 1.35	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 0.88 0.88 0.89 0.90 1.102 0.81 0.60 0.79 0.78 0.99	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.76 1.29 0.62 0.98 0.91 1.40 1.79 1.46	1.07 1.21 0.96 0.96 1.00 1.01 0.98 1.00 0.99 1.15 0.91 0.63 0.87 0.84 1.08	1.76 2.07 1.51 1.49 1.58 1.61 1.59 1.62 1.62 1.94 1.43 0.66 1.03 0.98 1.50 1.50 1.57	1.06 1.19 0.95 0.95 0.95 0.97 1.00 0.97 0.99 0.98 1.13 0.91 0.64 0.87 0.85 1.07 1.21 1.09	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 2.09 1.55 0.70 1.09 1.03 1.59 2.04 1.66
LED Reflector Lamp	Laphine	MH MF MF MF MF MF MF MF SF		16 6 8 9 10 13 14 15 16 6 8 9 10 13 14 14 15 16	0.00 0.96 0.99 1.00 0.99 0.98 0.99 1.08 0.92 0.93 0.96 0.96 0.94 0.94 0.94 0.94 0.94	2.72 2.89 3.02 2.98 2.98 3.02 3.51 2.65 2.66 2.82 2.88 2.80 2.92 2.92 2.92 3.42 2.58	Smart Power Step The 2 Smart Power Step The 3 Smart Themostal	Macellaneous		13 0.76 14 0.77 15 0.88 16 0.97 6 0.77 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.86 16 0.96 16 0.97 17 0.86 18 0.98 18 0.98 19 0.97 19 0.98 19 0.98 19 0.98	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.58 1.15 0.57 0.89 0.84 1.29 1.66	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 1.02 0.81 0.60 0.79 0.78 0.99	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.76 1.29 0.62 0.96 0.91 1.40 1.79	1.07 1.21 0.98 0.96 1.00 1.01 0.98 1.00 0.99 1.15 0.91 0.63 0.87 0.84 1.08	1.76 2.07 1.51 1.49 1.58 1.61 1.56 1.62 1.62 1.94 1.43 0.66 1.03 0.98 1.03	1.06 1.19 0.95 0.95 0.95 1.00 0.97 0.99 1.13 0.91 0.84 0.87 0.85 1.07	1.90 2.23 1.64 1.61 1.71 1.74 1.76 1.76 2.09 1.76 2.09 1.03 1.03 1.03 1.09 1.03
LED Reflector Lamp MSRP - RAC Elect Head	Luphring Lup	July July July July July July July July		18 6 8 9 10 13 14 15 6 8 9 10 13 14 15 16 6 10 13 14 15 16 6 6	0.00 0.96 0.99 1.00 0.99 0.99 1.08 0.99 1.08 0.92 0.93 0.96 0.94 0.94 1.06	2.72 2.89 3.02 2.98 2.98 3.02 3.51 2.65 2.66 2.82 2.82 2.80 2.92 2.92 3.42 2.92	Smart Power Skip The 2 Smart Power Skip The 3 Smart Themostat	Maceulamonus		13 0.78 14 0.78 15 0.88 16 0.70 8 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.51 8 0.09 9 0.67 10 0.67	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.58 1.15 0.57 0.89 0.84 1.29 1.36 1.35	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 0.88 0.88 0.89 0.90 1.102 0.81 0.60 0.79 0.78 0.99	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.76 1.29 0.62 0.98 0.91 1.40 1.79 1.46	1.07 1.21 0.96 0.96 1.00 1.01 0.98 1.00 0.99 1.15 0.91 0.63 0.87 0.84 1.08	1.76 2.07 1.51 1.49 1.58 1.61 1.59 1.62 1.62 1.94 1.43 0.66 1.03 0.98 1.50 1.50 1.57	1.06 1.19 0.95 0.95 0.95 0.97 1.00 0.97 0.99 0.98 1.13 0.91 0.64 0.87 0.85 1.07 1.21 1.09	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 2.09 1.55 0.70 1.09 1.03 1.59 2.04 1.66
LED Reflector Lamp MSRP - RAC Elect Heat MSRP - RAC Elect Heat MSRP - RAC Elect Heat	Laphine	MF SF		16 6 8 8 9 10 10 13 14 15 16 6 8 8 9 10 10 13 14 15 16 6 8 8 9 10 15 16 6 8 8 9 10 16 6 8 8 9 9 10 16 6 8 8 9 9 10 16 6 8 8 9 9 10 16 6 8 8 9 9 10 16 6 8 8 9 9 10 16 6 8 8 9 9 10 16 16 16 16 16 16 16 16 16 16 16 16 16	0.00 0.96 0.99 1.00 0.99 1.08 0.99 1.08 0.92 0.33 0.96 0.94 0.94 0.94 0.94 0.94 0.94 0.94 0.95 0.96 0.99	2.72 2.89 3.02 2.98 3.02 3.51 2.65 2.66 2.82 2.88 2.80 2.92 2.92 3.42 2.58 0.09 0.09	Smart Power Skip The 2 Smart Power Skip The 3 Smart Themostat	Macoulamonus		13 0.78 14 0.78 15 0.88 16 0.70 8 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.51 8 0.69 9 0.67 10 0.94 13 0.94 14 0.95 15 0.94 15 0.94 16 0.95 17 0.95 18 0.96 18 0.96 19 0.97 10 0.94 11 0.94 11 0.94 11 0.95 11 0.95 11	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.58 1.15 0.57 0.89 0.84 1.29 1.66 1.35 1.66 1.35 1.66	0.95 1.08 0.85 0.89 0.90 0.87 0.88 1.02 0.81 0.60 0.79 0.78 0.99 1.13 1.01	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47 1.76 1.29 0.96 0.91 1.40 1.47 1.47 1.76 1.29 0.96 0.91 1.40 0.61 0.91 1.40 0.61	1.07 1.21 0.96 0.98 1.00 1.01 0.98 1.00 0.99 1.15 0.91 0.63 0.87 0.84 1.08 1.24 1.11	1.76 2.07 1.51 1.49 1.58 1.56 1.61 1.52 1.94 1.43 0.48 1.03 0.39 1.103 0.39 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	1.06 1.19 0.95 0.95 0.95 1.00 0.97 1.00 0.97 0.99 0.98 1.13 0.91 0.64 0.87 0.85 1.07 1.21 1.09 1.57	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 2.09 1.55 0.70 1.09 1.03 1.59 2.04 1.68 3.75
LED Reflector Lamp MSRP - RAC Elect Head	Laphing Laphin	904 907 907 907 907 907 907 907 907 907 907		16 6 8 9 10 13 14 15 16 6 8 8 9 10 10 13 14 15 16 6 8 8 9 10 10 13 14 15 16 6 8 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0.96 0.99 1.00 0.99 0.98 0.99 1.08 0.92 0.93 0.96 0.94 0.94 0.94 0.94 0.94 0.94 0.94	2.72 2.89 3.02 2.98 3.02 3.51 2.65 2.66 2.82 2.88 2.92 2.92 2.92 3.42 2.58 0.09 0.09	Smart Power Step The 2 Smart Power Step The 3 Smart Themostat	Maccallamous		13 0.76 14 0.78 15 0.88 15 0.88 16 0.70 6 0.77 8 0.73 10 0.73 11 0.72 14 0.72 15 0.86 16 0.86 16 0.86 16 0.86 17 0.86 18 0.86 19 0.87 10 0.84 13 0.95 15 1.19 16 0.86	1.43 1.70 1.22 1.21 1.28 1.31 1.31 1.31 1.31 1.31 1.58 1.15 0.57 0.89 0.84 1.29 1.66 1.35 0.84 1.29 1.66 1.30 0.84 1.29 1.30 0.84 1.30 0.84 1.30 0.84 1.30 0.84 0.85	0.95 1.08 0.85 0.89 0.90 0.87 0.88 0.88 1.02 0.81 0.80 0.79 0.78 1.13 1.01 1.48 0.51	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.47 1.29 0.62 0.66 0.91 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.4	1.07 1.21 0.96 1.00 1.01 0.98 1.00 0.99 1.15 0.91 0.63 0.87 0.84 1.08 1.24 1.11 1.65 0.52	1.76 2.07 1.51 1.49 1.58 1.61 1.52 1.82 1.94 1.43 0.86 1.03 0.98 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	1.06 1.19 0.95 0.95 0.95 0.95 1.00 0.97 0.99 0.98 1.13 0.91 0.84 0.87 0.85 1.07 1.21 1.09 1.57 0.54	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 2.09 1.55 0.70 1.09 1.03 1.59 2.04 1.60 3.75 0.52
LED Reflector Lamp MSRP - RAC Elect Heat	Lighting Lig	504 MF		16 6 8 8 9 10 10 13 14 15 16 6 8 8 9 10 10 13 14 15 15 16 6 8 8 9 10 10 13 15 16 16 6 8 8 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	0.00 0.99 1.00 0.99 1.00 0.99 0.98 0.98 0.92 0.93 0.96 0.94 0.94 1.06 0.94 0.94 1.06 0.95 0.95 0.96 0.96 0.96 0.97 0.98 0.99	2.72 2.89 3.02 2.98 3.02 2.98 3.51 2.65 2.82 2.86 2.82 2.80 2.92 2.92 3.42 2.55 0.09 0.09 0.18 0.40 0.32	Smart Power Skip The 2 Smart Power Skip The 3 Smart Thermostat	Macoulamonus		13 0.78 14 0.78 15 0.88 16 0.70 8 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.51 8 0.69 9 0.67 10 0.94 13 0.94 14 0.72 15 0.84 15 0.84 16 0.51 8 0.69 16 0.51 17 0.84 18 0.69 18 0.69 19 0.67 10 0.84 11 0.94 11 0.94 11 0.94 11 0.94 11 0.94 11 0.95 11 0.95 11 0	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.31 1.31 1.58 1.15 0.57 0.89 0.84 1.29 1.86 1.35 0.89 0.84 1.29 0.89 0.84 1.29 0.89	0.95 1.08 0.85 0.89 0.90 0.87 0.88 0.88 1.02 0.81 0.60 0.79 0.78 0.99 1.13 1.01 1.48 0.51 0.41	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.47 1.49 0.62 0.99 0.91 1.40 0.91 1.49 0.94 0.94 0.94 0.94 0.94 0.94 0.94 0	1.07 1.21 0.98 0.96 1.00 1.01 0.98 1.00 0.99 1.15 0.91 0.63 0.87 0.84 1.08 1.24 1.11 1.65 0.52	1.76 2.07 1.51 1.49 1.59 1.51 1.59 1.51 1.62 1.62 1.62 1.62 1.62 1.64 1.43 0.66 1.50 0.98 1.50 0.98 1.50 0.98 1.50 0.49 0.49 0.49 0.49 0.55	1.06 1.19 0.95 0.95 0.95 0.99 1.00 0.97 0.99 0.98 1.13 0.91 0.64 0.87 0.85 1.07 0.85 1.07 0.85 1.07 0.85 0.95 0.96 0.86 0.87 0.87	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 2.09 1.55 0.70 1.09 2.04 1.66 3.75 0.52 0.37
LED Reflector Lamp MSRP - RAC Elect Heat MSRP -	Liptining Liptin	MH MF		16 6 8 9 9 10 13 14 15 16 6 8 8 9 10 10 13 14 15 16 16 8 8 9 10 10 13 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	0.00 0.99 1.00 0.99 0.99 0.99 0.99 0.99	2.72 2.89 3.02 2.98 3.02 3.51 2.65 2.86 2.82 2.88 2.80 2.92 2.92 2.92 2.92 3.51 0.09 0.18 0.40 0.32	Smart Power Step The 2 Smart Power Step The 3 Smart Tower Step The 3	Maccellaneous		13 0.76 14 0.78 15 0.88 15 0.88 16 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.86 6 0.51 16 0.86 16 0.51 17 0.86 18 0.73 18 0.86 18 0.86 19 0.73 19 0.72 19 0.86 19 0.73 19 0.86 19 0.73 19 0.86 19 0.86 19 0.86 19 0.87 10 0.84 14 0.85 15 1.19 16 0.47 18 0.86 19 0.37 19 0.86 19 0.87 19 0.86 19 0.87 19 0.86 19 0.87 19 0.86 19 0.87 19 0.86 19 0.87 19 0.86 19 0.87 19 0.86 19 0.87 1	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.31 1.31 1.58 1.58 0.57 0.89 0.84 1.29 1.66 1.35 0.67 0.74 0.67	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 1.02 0.81 0.60 0.79 0.78 0.99 1.13 1.01 1.48 0.51 0.41 0.71	1.60 1.89 1.37 1.35 1.43 1.46 1.47 1.47 1.47 1.47 1.47 1.47 1.47 1.76 1.29 0.99 0.91 1.40 1.79 1.40 1.79 1.40 0.62 0.99 0.91 0.91 0.91 0.91 0.91 0.91 0.91	1.07 1.21 0.96 0.98 1.00 1.01 0.98 1.00 0.99 1.15 0.91 0.83 0.87 0.84 1.04 1.04 1.04 1.05 0.95 0.95 0.95 0.96 0.96 0.99 0.99 0.99 0.99 0.99 0.99	1.76 2.07 1.51 1.49 1.59 1.61 1.56 1.62 1.82 1.84 1.43 0.86 1.03 0.86 1.50 0.86 1.50 0.86 1.50 0.86 1.50 0.86 0.35 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.4	1.06 1.19 0.95 0.95 0.95 0.99 1.00 0.97 0.99 0.98 1.13 0.91 0.97 1.13 0.91 0.97 1.07 1.21 1.99 1.57 0.45 0.45 0.45 0.78	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 2.09 1.55 0.70 1.03 1.59 2.04 1.66 3.75 0.52 0.37 0.50 0.37
LED Reflector Lamp MSRP - RAC Elect Heat	Liptining Liptin	504 MF		16 6 8 8 9 10 10 13 14 15 16 6 8 8 9 10 10 13 14 15 15 16 6 8 8 9 10 10 13 15 16 16 6 8 8 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	0.00 0.99 1.00 0.99 1.00 0.99 0.98 0.98 0.92 0.93 0.96 0.94 0.94 1.06 0.94 0.94 1.06 0.95 0.95 0.96 0.96 0.96 0.97 0.98 0.99	2.72 2.89 3.02 2.98 3.02 2.98 3.51 2.65 2.82 2.86 2.82 2.80 2.92 2.92 3.42 2.55 0.09 0.09 0.18 0.40 0.32	Smart Power Skip The 2 Smart Power Skip The 3 Smart Thermostat	Macoulamonus		13 0.78 14 0.78 15 0.88 16 0.70 8 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.51 8 0.69 9 0.67 10 0.94 13 0.94 14 0.72 15 0.84 15 0.84 16 0.51 8 0.69 16 0.51 17 0.84 18 0.69 18 0.69 19 0.67 10 0.84 11 0.94 11 0.94 11 0.94 11 0.94 11 0.94 11 0.95 11 0.95 11 0	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.31 1.31 1.58 1.15 0.57 0.89 0.84 1.29 1.86 1.35 0.89 0.84 1.29 0.89 0.84 1.29 0.89	0.95 1.08 0.85 0.89 0.90 0.87 0.88 0.88 1.02 0.81 0.60 0.79 0.78 0.99 1.13 1.01 1.48 0.51 0.41	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.47 1.49 0.62 0.99 0.91 1.40 0.91 1.49 0.94 0.94 0.94 0.94 0.94 0.94 0.94 0	1.07 1.21 0.98 0.96 1.00 1.01 0.98 1.00 0.99 1.15 0.91 0.63 0.87 0.84 1.08 1.24 1.11 1.65 0.52	1.76 2.07 1.51 1.49 1.59 1.51 1.59 1.51 1.62 1.62 1.62 1.62 1.62 1.64 1.43 0.66 1.50 0.98 1.50 0.98 1.50 0.98 1.50 0.49 0.49 0.49 0.49 0.55	1.06 1.19 0.95 0.95 0.95 0.99 1.00 0.97 0.99 0.98 1.13 0.91 0.64 0.87 0.85 1.07 0.85 1.07 0.85 1.07 0.85 0.95 0.96 0.86 0.87 0.87	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 2.09 1.55 0.70 1.03 1.59 2.04 1.66 3.75 0.52 0.37 0.50 0.37
LED Reflector Lamp MSR® - RAC Elect Heat	Lighting Lig	1044 1047 1047 1047 1047 1047 1047 1047		16 6 8 8 9 10 13 14 15 16 6 8 8 9 10 10 13 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	0.00 0.99 1.00 0.99 1.08 0.99 1.08 0.99 1.08 0.99 1.08 0.99	272 278 289 302 296 302 296 302 296 302 298 208 208 208 208 208 209 209 200 009 009 008 008 009 009 008 009 009 0	Smart Power Skip The 2 Smart Power Skip The 3 Smart Themostat	Macoultamous		13 0.78 15 0.88 16 0.70 18 0.70 18 0.70 19 0.73 10 0.71 13 0.72 14 0.72 15 0.66 16 0.70 18 0.73 19 0.73 10 0.71 13 0.72 14 0.72 15 0.66 16 0.51 18 0.66 19 0.67 10 0.64 13 0.94 14 0.72 15 0.94 15 0.94 16 0.97 17 0.97 18 0.97 19 0.9	1.43 1.70 1.22 1.21 1.28 1.31 1.28 1.31 1.31 1.31 1.31 1.58 1.15 0.89 1.86 1.35 1.86 1.36 0.84 1.29 1.86 1.35 0.89 1.29 1.86 0.42 0.30 0.74 0.67 0.81	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 0.88 0.88 0.88 1.02 0.81 1.02 0.79 0.78 0.99 1.13 1.01 1.48 0.51 0.41 0.71 0.68 0.76	1.60 1.89 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.47 1.79 1.29 0.62 0.96 0.91 1.40 1.79 1.40 0.68 0.91 0.91 0.91 0.90 0.91 0.91 0.90 0.91 0.90 0.91 0.90 0.91 0.90 0.91 0.90 0.91 0.90 0.91 0.90 0.91 0.90 0.91 0.90 0.90	1.07 1.21 0.96 0.98 1.00 1.01 0.98 1.00 0.99 1.15 0.99 1.15 0.87 0.87 1.08 1.24 1.11 1.65 0.52 0.44 0.77	1.76 2.07 1.51 1.49 1.59 1.61 1.59 1.61 1.62 1.62 1.62 1.84 1.43 0.66 1.63 1.94 1.43 0.68 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	1.06 1.19 0.95 0.95 0.99 1.00 0.97 1.00 0.97 0.98 1.13 0.91 0.64 1.67 0.45 0.78 0.78	1.90 2.23 1.64 1.61 1.71 1.74 1.89 1.76 1.76 2.09 1.55 0.70 1.03 1.59 2.04 1.66 3.75 0.52 0.37 0.90 0.83
LED Redector Lamp MSRP - RAC Elect Heat	Laphing Laphin	904 907 907 907 907 907 907 907 907 907 907		16 6 8 9 9 10 13 14 15 16 6 8 8 9 9 10 13 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	0.00 0.99 1.09 1.09 0.99 1.09 0.99 1.08 0.99 1.08 0.92 0.93 0.96 0.94 0.94 0.94 0.94 0.94 0.95 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96	272 272 278 302 302 298 302 298 302 303 303 301 265 286 280 280 280 280 292 292 342 258 009 009 0.09 0.09 0.09 0.09 0.09 0.09	Smart Power Step The 2 Smart Power Step The 3 Smart Townsoata	Maccalamonus		13 0.76 14 0.78 15 0.88 16 0.70 6 0.70 6 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.86 6 0.31 13 0.72 14 0.87 15 0.84 16 0.86 16 0.85 16 0.85 17 0.85 18	14.3 1.70 1.72 1.21 1.21 1.21 1.21 1.21 1.21 1.21	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 0.88 0.88 0.88 1.02 0.81 0.60 0.78 0.99 1.13 1.48 0.51 1.48 0.51 0.41 0.71 0.68 0.76 0.76	160 189 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.47 1.47 1.49 0.62 0.98 0.91 1.40 0.33 1.46 0.32 0.88 0.73 0.88	1.07 1.21 0.96 0.96 1.00 1.01 0.98 1.00 1.01 0.98 1.00 0.99 1.15 0.91 0.83 0.87 0.84 1.08 1.24 1.11 1.65 0.52 0.44 0.77 0.73 0.82	1.76 2.07 1.51 1.49 1.59 1.51 1.59 1.51 1.59 1.51 1.59 1.62 1.62 1.62 1.62 1.63 1.63 1.63 1.63 1.63 1.63 1.63 1.63	1.06 1.19 0.95 0.95 0.95 0.99 1.00 0.97 0.99 0.98 1.13 0.91 0.91 1.07 1.27 1.29 1.57 0.54 0.64 0.65 0.74 0.65 0.74 0.65	1.90 2.23 1.64 1.81 1.71 1.74 1.69 1.76 1.76 2.09 1.03 1.55 0.70 1.03 1.59 2.04 1.68 3.75 0.52 0.37 0.90 0.83 1.00 1.26
LED Reflector Lamp LED Re	Lighting Lig	1044 1047 1047 1047 1047 1047 1047 1047		16 6 8 9 10 10 13 14 15 16 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 10 13 14 15 16 6 8 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0.99 1.00 0.99 0.99 0.99 0.99 1.08 0.99 0.99 0.99 0.99 0.99 0.94 0.94 0.94	272 279 289 302 298 298 298 302 298 302 351 351 225 225 225 225 200 009 009 0018 040 040 032 054 031 011 n8	Smart Power Skip The 2 Smart Power Skip The 3 Smart Themostat	Macoultamous		13 0.78 14 0.78 15 0.88 16 0.70 8 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.66 6 0.51 8 0.69 9 0.67 10 0.64 13 0.94 14 0.92 15 0.94 16 0.93 17 0.94 18 0.94 18 0.95 19 0.97 19 0.94 19 0.97 19 0.94 19 0.95 19 0.97 19 0.95 19 0.97 19 0.95 19 0.97 19 0.95 19 0.97 19 0.95 19 0.97 19 0.95 19 0.97 19 0.95 19 0.97 19 0.95	1.43 1.70 1.22 1.21 1.21 1.21 1.21 1.31 1.31 1.31 1.31 1.31 1.58 1.15 0.89 0.84 1.29 1.66 0.42 0.30 0.74 0.81 1.02 1.02	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 1.02 0.81 0.60 0.79 0.78 0.90 1.13 1.01 1.48 0.51 0.41 0.71 0.68 0.76 0.88	160 189 1.37 1.35 1.43 1.46 1.47 1.47 1.78 1.29 0.62 0.99 1.40 0.91 1.40 0.73 0.80 0.73 0.80 0.73	1.07 1.21 0.96 0.98 1.00 1.01 0.99 1.10 0.99 1.15 0.63 0.87 1.08 1.20 0.84 1.11 1.65 0.52 0.44 0.77 0.73 0.82	1.76 2.07 1.51 1.49 1.59 1.51 1.59 1.51 1.59 1.51 1.59 1.50 1.52 1.52 1.52 1.52 1.52 1.52 1.52 1.52	1.06 1.19 0.95 0.95 0.95 0.95 1.00 0.99 1.00 0.99 0.99 0.08 1.13 0.04 0.87 1.07 1.27 1.09 1.17 0.94 0.77 0.99 0.88 0.77 0.99 0.86 0.77 0.99 0.87 0.98 0.77 0.99 0.88 0.77 0.99 0.98 0.77 0.99 0.98 0.77 0.99 0.98 0.77 0.99 0.98 0.78 0.78 0.78 0.78 0.78 0.78 0.78 0.7	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 2.09 1.55 0.70 1.09 1.03 1.59 2.04 1.63 3.75 0.52 0.37 0.90 0.83 1.00 1.26
LED Redector Lamp LED Redector	Luphring Lup	904 907 907 907 907 907 907 907 907 907 907		16 6 8 9 9 10 13 14 15 16 6 8 8 9 9 10 13 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	0.00 0.99 1.00 0.99 1.00 0.99 0.99 1.08 0.92 0.92 0.93 0.93 0.94 0.94 0.94 0.94 0.94 0.95 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96	272 272 278 302 302 298 302 298 302 303 303 301 265 286 280 280 280 280 292 292 342 258 009 009 0.09 0.09 0.09 0.09 0.09 0.09	Smart Power Step The 2 Smart Power Step The 3 Smart Thermodal	Maccalamonus		13 0.76 14 0.78 15 0.88 16 0.70 6 0.70 6 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.86 6 0.51 1 0.95	14.3 1.70 1.72 1.21 1.21 1.21 1.21 1.31 1.31 1.31 1.3	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 1.02 0.81 1.02 0.81 1.04 1.48 0.51 0.41 0.71 0.68 0.78 0.88 1.02 1.48 1.03 1.48 1.04 1.48 1.48 1.48 1.48 1.48 1.48 1.48 1.4	160 189 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.47 1.47 1.49 1.49 1.49 1.49 1.40 1.79 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40	1.07 1.21 0.96 0.96 1.00 1.01 0.99 1.00 0.99 1.15 0.91 0.63 0.87 1.08 1.08 1.08 1.09 1.15 0.87 0.84 1.14 1.05 0.52 0.44 0.77 0.73 0.73 0.73 0.73 0.73 0.73 0.73	1.76 2.07 1.51 1.49 1.51 1.59 1.51 1.59 1.51 1.59 1.50 1.62 1.62 1.62 1.62 1.62 1.62 1.62 1.62	1.06 1.19 0.95 0.95 0.99 1.00 0.97 1.00 0.99 1.00 0.99 1.00 0.99 1.00 0.88 1.13 0.87 0.88 1.17 0.85 1.07 0.85 0.74 0.85 0.78 0.78 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.8	1.90 2.23 1.64 1.61 1.71 1.74 1.79 1.79 1.79 1.79 1.79 1.79 1.09 1.03 1.59 2.04 1.69 3.75 0.50 0.70 0.83 1.00 0.83 1.00 0.83 1.00 0.83 1.00 0.83 1.00 0.83 1.00 0.83 0.238
LED Reflector Lamp LED Re	Luphrine Lup	1044 1047 1047 1047 1047 1047 1047 1047		16 6 8 9 10 10 13 14 15 16 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 10 13 14 15 16 6 8 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0.99 1.00 0.99 0.99 0.99 0.99 1.08 0.99 0.99 0.99 0.99 0.99 0.94 0.94 0.94	272 279 289 302 298 298 298 302 298 302 351 351 225 225 225 225 200 009 009 0018 040 040 032 054 031 011 n8	Smart Power Skip The 2 Smart Power Skip The 3 Smart Themostat	Macoultamous		13 0.78 14 0.78 15 0.88 16 0.70 8 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.66 6 0.51 8 0.69 9 0.67 10 0.64 13 0.94 14 0.92 15 0.94 16 0.95 16 0.97 17 0.98 18 0.99 19 0.97 19 0.98 19 0.97 19 0.98 19 0.97 19 0.98 19 0.97 19 0.98 19 0.97 19 0.98 19 0.97 19 0.98 19 0.97 19 0.98 19 0.97 19 0.98 19 0.97 19 0.98 19 0.97 19 0.98 19 0.97 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98 19 0.98	1.43 1.70 1.22 1.21 1.21 1.21 1.21 1.31 1.31 1.31 1.31 1.31 1.58 1.15 0.89 0.84 1.29 1.66 0.42 0.30 0.74 0.87 0.81 1.02 1.02	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 1.02 0.81 0.60 0.79 0.78 0.90 1.13 1.01 1.48 0.51 0.41 0.71 0.68 0.76 0.88	160 189 1.37 1.35 1.43 1.46 1.47 1.47 1.78 1.29 0.62 0.99 1.40 0.91 1.40 0.73 0.80 0.73 0.80 0.73	1.07 1.21 0.96 0.98 1.00 1.01 0.99 1.10 0.99 1.15 0.63 0.87 1.08 1.20 0.84 1.11 1.65 0.52 0.44 0.77 0.73 0.82	1.76 2.07 1.51 1.49 1.59 1.51 1.59 1.51 1.59 1.51 1.59 1.50 1.52 1.52 1.52 1.52 1.52 1.52 1.52 1.52	1.06 1.19 0.95 0.95 0.95 0.95 1.00 0.99 1.00 0.99 0.98 1.13 0.04 0.87 1.07 1.27 1.09 1.17 0.94 0.77 0.99 0.88 0.77 0.99 0.88 0.77 0.99 0.88 0.77 0.99 0.89 0.77 0.99 0.89 0.77 0.99 0.98 0.77 0.99 0.98 0.77 0.99 0.98 0.78 0.78 0.78 0.78 0.78 0.78 0.78 0.7	1.90 2.23 1.64 1.61 1.71 1.74 1.69 1.76 2.09 1.55 0.70 1.09 1.03 1.59 2.04 1.63 3.75 0.52 0.37 0.90 0.83 1.00 1.26
LED Redector Lamp LED Redector	Lighting Lig	904 907 907 907 907 907 907 907 907 907 907		16 6 8 9 10 10 13 14 15 16 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 13 14 15 16 6 6 8 8 9 10 10 10 13 14 15 16 6 8 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0.99 1.00 0.99 1.00 0.99 0.99 1.08 0.92 0.92 0.93 0.93 0.94 0.94 0.94 0.94 0.94 0.95 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96	272 278 302 289 302 288 288 288 288 302 285 285 285 286 286 280 282 282 282 282 282 282 009 009 009 008 040 0332 0540 031	Smart Power Step The 2 Smart Power Step The 3 Smart Thermodal	Maccalamonus		13 0.76 14 0.78 15 0.88 16 0.70 6 0.70 6 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.86 6 0.51 1 0.95	14.3 1.70 1.72 1.21 1.21 1.21 1.21 1.31 1.31 1.31 1.3	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 1.02 0.81 1.02 0.81 1.04 1.48 0.51 0.41 0.71 0.68 0.78 0.88 1.02 1.48 1.03 1.48 1.04 1.48 1.48 1.48 1.48 1.48 1.48 1.48 1.4	160 189 1.37 1.35 1.43 1.46 1.42 1.47 1.47 1.47 1.47 1.49 1.49 1.49 1.49 1.40 1.79 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40	1.07 1.21 0.96 0.96 1.00 1.01 0.99 1.00 0.99 1.15 0.91 0.63 0.87 1.08 1.08 1.08 1.09 1.15 0.87 0.84 1.14 1.05 0.52 0.44 0.77 0.73 0.73 0.73 0.73 0.73 0.73 0.73	1.76 2.07 1.51 1.49 1.51 1.59 1.51 1.59 1.51 1.59 1.50 1.62 1.62 1.62 1.62 1.62 1.62 1.62 1.62	1.06 1.19 0.95 0.95 0.99 1.00 0.97 1.00 0.99 1.00 0.99 1.00 0.99 1.00 0.88 1.13 0.87 0.88 1.17 0.85 1.07 0.85 0.74 0.85 0.78 0.78 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.8	1.90 2.23 1.64 1.61 1.71 1.74 1.79 1.79 1.79 1.79 1.79 1.79 1.09 1.03 1.59 2.04 1.69 3.75 0.50 0.70 0.83 1.00 0.83 1.00 0.83 1.00 0.83 1.00 0.83 1.00 0.83 1.00 0.83 0.238
LED Redector Lamp MSRP- RAC Elect Heat MSRP- RAC Gas MSRP- RAC Gas MSRP- RAC Gas MSRP- RAC Gas	Lighting Lig	904 907 907 907 907 907 907 907 907 907 907		16 6 8 9 10 10 11 11 11 11 11 11 11 11 11 11 11	0.00 0.99 0.99 1.00 0.99 1.00 0.99 1.00 0.99 0.99	272 279 289 302 298 302 298 298 303 298 298 302 351 351 266 282 282 282 282 280 009 018 040 032 031 011 08 031	Smart Power Step The 2 Smart Power Step The 3 Smart Themsolat Smart Thems	Macoulamonus		13 0.76 14 0.78 15 0.88 16 0.70 6 0.70 6 0.77 9 0.73 9 0.73 10 0.77 13 0.72 14 0.72 15 0.84 16 0.86 6 0.31 18 0.89 19 0.87 10 0.84 11 0.85 15 1.19 16 0.85 16 0.85 17 0.84 18 0.85 18 0.85 19 0.87 10 0.84 14 0.85 15 1.19 16 0.87 18 0.82 19 0.87 18 0.82 19 0.87 19 0.88 11 11 0.88 11 11 11 11 11 11 11 11 11 11 11 11 11	1.43 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 1.02 0.81 0.60 0.79 1.13 1.48 0.51 0.41 0.71 0.41 0.71 0.68 0.76 0.68 0.76 0.68 0.76 0.88 0.76 0.89 1.33 0.27	1.60 1.89 1.37 1.35 1.42 1.46 1.42 1.47 1.47 1.76 1.29 0.62 0.99 0.91 1.40 0.99 0.91 1.40 0.90 0.91 1.40 0.02 0.99 1.70 0.08 0.17 0.08 0.18 0.18 0.18	1.07 1.21 0.96 0.96 1.00 1.01 0.98 1.00 0.99 1.15 0.91 0.63 0.87 0.84 1.10 1.24 1.11 1.15 0.52 0.44 0.77 0.77 0.77 0.79	1.76 2.07 1.51 1.49 1.58 1.51 1.50 1.52 1.59 1.50 1.52 1.50 1.52 1.54 1.62 1.54 1.62 1.54 1.62 1.55 1.62 1.55 1.62 1.55 1.62 1.57 1.57 1.57 1.57 1.57 1.57 1.57 1.57	1.06 1.19 0.95 0.99 1.00 0.97 0.99 1.00 0.97 0.99 1.00 0.98 1.13 0.98 1.13 0.98 1.13 0.98 1.13 0.98 0.98 1.13 0.98 0.98 0.98 0.98 1.13 0.98 0.98 1.13 0.98 0.98 1.13 0.98 0.98 0.98 0.98 0.98 0.98 0.98 0.98	1.90 2.23 1.64 1.61 1.71 1.74 1.76 1.76 2.09 1.76 2.09 1.55 0.70 1.09 1.03 1.59 2.04 1.66 3.75 0.52 0.37 0.90 0.83 1.00 1.28 2.38 0.16 2.23 0.16
LED Reflector Lamp LED Re	Lighting Lig	Mel Mer Mer		16 6 8 9 10 10 13 14 15 16 6 8 8 9 10 10 13 14 16 6 8 8 9 10 10 15 16 16 8 8 9 10 10 15 16 16 8 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0.99 0.99 0.99 0.99 0.99 0.99 0.99	272 279 289 302 298 302 298 302 351 351 285 286 286 280 280 009 009 018 040 032 054 031 011 nb nb nb nb nb nb nb	Smart Power Skip The 2 Smart Power Skip The 3 Smart Themostat Smart The	Macolimenous		13 0.78 14 0.78 15 0.88 16 0.70 8 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.70 18 0.87 19 0.73 19 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.85 17 0.84 18 0.89 19 0.87 10 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 11 0.84 11 0.85 1	1.43 1.70 1.22 1.21 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.58 1.31 1.58 1.31 1.58 0.89 0.84 1.29 0.84 1.29 0.84 1.29 0.84 1.29 0.84 1.29 0.84 1.29 0.81 1.35 0.30 0.74 0.81 1.02 0.87 0.81 1.02 0.87 0.88 1.03 0.74 0.89 1.03 0.74 0.81 1.03 0.87 0.88 1.03 0.74 0.89 1.03 0.89 0.81 1.03 0.89 0.80 0.81 1.03 0.81 0.81 0.82 0.83 0.84 0.85 0.86 0.87 0.87 0.88 0.88 0.88 0.89 0.89 0.89 0.80 0.	0.95 1.08 0.85 0.85 0.89 0.90 0.90 0.87 0.88 1.02 0.81 1.02 0.79 0.78 0.99 1.13 1.01 1.48 0.51 0.41 0.71 0.68 0.78 0.79 0.78 0.79 0.71 0.88 0.78 0.71 0.88 0.78 0.71 0.88 0.78 0.71 0.88 0.78 0.71 0.88 0.78 0.71 0.88 0.78 0.71 0.88 0.78 0.71 0.88 0.78 0.78 0.78 0.78 0.78 0.78 0.78	1.60 1.89 1.37 1.35 1.43 1.44 1.42 1.47 1.47 1.47 1.47 1.47 1.49 0.02 0.08 0.01 1.40 0.02 0.08 0.01 1.70 0.02 0.08 0.01 1.40 0.02 0.08 0.09 0.09 0.09 0.09 0.09 0.09 0.09	1.07 1.21 1.29 0.96 0.96 1.00 1.00 0.99 1.15 0.91 0.63 0.87 0.87 0.87 0.84 1.06 1.24 1.11 1.05 0.52 0.44 0.77 0.82 0.94 1.34 1.34 1.34	1.76 2.07 1.51 1.40 1.58 1.58 1.61 1.61 1.62 1.62 1.62 1.62 1.62 1.63 1.63 1.63 1.63 1.63 1.63 1.63 1.63	1.06 1.19 0.05 0.09 0.09 1.00 0.09 0.09 0.09 0.09 0.09	1.90 2.23 1.64 1.61 1.71 1.74 1.76 1.76 2.09 1.76 2.09 1.03 1.99 1.03 1.99 1.03 1.99 1.03 1.99 1.03 1.99 1.03 1.99 1.03 1.99 1.03 1.99 1.03 1.99 1.03 1.99 1.03 1.99 1.03 1.99 1.03 1.99 1.03 1.99 1.03 1.99 1.03 1.00 1.03 1.00 1.03 1.00 1.03 1.00 1.03 1.00 1.03 1.00 1.00
LED Reflector Lamp MSRP - RAC Elect Heat MSRP - RAC Cas MSRP - RAC Gas	Luphrine Lup	Met		16 6 8 9 10 10 13 14 15 16 6 8 8 9 10 10 13 14 15 16 6 8 8 9 10 10 13 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	0.00 0.99 0.99 0.99 0.99 0.99 0.099	272 279 302 289 302 298 302 298 303 302 351 351 265 266 282 282 282 282 282 282 282 282 009 018 018 040 032 0331 031 031 031 038	Smart Power Skip The 2 Smart Power Skip The 3 Smart Themostat Smart Themo	Macolimenous		13 0.76 14 0.78 15 0.88 16 0.70 6 0.70 6 0.77 9 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.86 6 0.31 18 0.96 19 0.87 10 0.84 11 0.85 15 1.19 16 0.87 18 0.85 15 1.19 16 0.87 18 0.82 19 0.87 10 0.84 14 0.85 15 1.19 16 0.87 18 0.82 19 0.89 10 0.88 13 0.88 14 1.88 15 1.19 16 0.87 18 0.82 19 0.89 10 0.88 13 0.98 11 0.88 13 0.98 15 1.19 16 0.87 16 0.37 18 0.82 19 0.89 10 0.88 13 0.94 14 1.00 15 1.19 16 0.25 16 0.37 17 0.88 18 0.82 19 0.99 10 0.88 11 0.98 11 0.98 11 0.99 11 0.99 11 0.99	1.43 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 0.88 0.88 0.88 1.02 0.81 0.60 0.79 0.78 0.99 1.13 1.01 1.48 0.51 0.41 0.71 0.60 0.86 0.76 0.86 1.21 1.33 0.27 1.22 1.11	1.60 1.89 1.37 1.43 1.45 1.45 1.47 1.47 1.76 1.47 1.76 1.29 0.62 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.9	1.07 1.21 0.96 0.98 1.00 1.00 1.01 0.99 1.15 0.91 1.15 0.87 0.84 1.24 1.11 1.65 0.62 0.44 0.77 0.84 0.77 0.82 0.94 1.15 0.62	1.76 2.07 1.51 1.49 1.59 1.59 1.51 1.50 1.52 1.94 1.62 1.94 1.62 1.94 1.63 1.60 1.62 1.94 1.63 1.60 1.62 1.94 1.63 1.60 1.62 1.94 1.63 1.60 1.62 1.62 1.62 1.62 1.62 1.62 1.62 1.62	1.06 1.19 0.05 0.09 0.09 1.00 0.09 1.00 0.09 1.00 0.09 1.00 0.08 1.13 0.01 0.01 0.07 0.09 1.13 0.01 0.01 0.05 0.08 1.13 0.01 0.05 0.08 1.13 0.01 0.05 0.08 1.13 0.01 0.05 0.07 0.05 0.05	1.90 2.23 1.64 1.61 1.71 1.74 1.79 1.79 1.79 2.09 1.70 2.09 1.03 1.59 2.04 1.68 3.75 0.52 0.37 0.50 2.04 1.69 2.03 1.00 1.20 2.33 1.00 1.20 2.33 1.00 1.20 2.33 1.00 2.33 1.00 2.33 1.00 2.33 1.00 2.33 2.30 2.30 2.30 2.30 2.30 2.30 2
LED Reflector Lamp LED Re	Lighting Lig	Mel Mer Mer		16 6 8 9 9 10 13 14 16 6 8 8 9 9 10 10 13 14 15 16 6 8 8 9 10 10 15 16 6 8 8 9 10 10 15 16 6 8 8 9 10 10 15 16 6 8 8 9 10 10 15 16 6 8 8 9 10 10 15 16 8 8 9 10 10 15 16 8 8 9 10 10 15 16 8 8 9 10 10 15 16 8 8 9 10 10 15 16 8 8 9 10 10 15 16 8 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0.99 0.99 0.99 0.99 0.99 0.99 0.99	272 279 302 289 302 298 302 298 303 307 351 307 351 208 208 209 209 209 209 209 209 209 209 209 209	Smart Power Skip The 2 Smart Power Skip The 3 Smart Power Skip The 3 Smart Themostat Smart Themo	Maculamonus		13 0.78 14 0.78 15 0.88 16 0.70 6 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.70 18 0.70 19 0.73 10 0.71 11 0.72 11 0.73 11 0.74 1	1.43 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70	0.95 1.08 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0	1.60 1.89 1.37 1.35 1.43 1.42 1.47 1.47 1.47 1.47 1.47 1.49 0.60 0.96 0.96 0.97 1.40 0.80 0.97 1.40 0.80 0.97 1.40 0.80 0.97 1.40 0.80 0.90 0.71 1.40 0.80 0.80 0.90 0.73 0.80 0.80 0.73 0.80 0.80 0.73	1.07 1.21 0.99 0.99 1.00 0.99 1.00 0.99 1.15 0.91 0.87 0.87 0.84 1.08 1.24 1.11 1.65 0.52 0.44 0.77 0.73 0.82 0.44 0.77 0.73 0.82 0.94 1.15 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.9	1.76 2.07 1.51 1.40 1.58 1.51 1.61 1.56 1.61 1.62 1.62 1.62 1.62 1.62 1.62 1.6	1.06 1.19 0.95 0.99 1.00 0.97 0.99 1.00 0.97 0.99 0.08 1.13 0.11 0.01 1.17 0.07 1.07 1.07 1.07 1.07	1.90 2.23 1.84 1.61 1.71 1.74 1.69 1.76 1.76 1.79 1.79 1.79 1.79 1.09 1.55 0.70 1.09 1.09 1.09 1.09 1.09 1.09 1.09 1.0
LED Reflector Lamp MSRP - RAC Elect Heat MSRP - RAC Cas MSRP - RAC Gas	Lighting Lig	Met		16 6 8 9 10 10 13 14 15 16 6 8 8 9 10 10 13 14 15 16 6 8 8 9 10 10 13 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	0.00 0.99 0.99 0.99 0.99 0.99 0.099	272 279 302 289 302 298 302 298 303 302 351 351 265 266 282 282 282 282 282 282 282 282 009 018 018 040 032 0331 031 031 031 038	Smart Power Skip The 2 Smart Power Skip The 3 Smart Themostat Smart Themo	Macolimenous		13 0.76 14 0.78 15 0.88 16 0.70 6 0.70 6 0.77 9 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.86 6 0.31 18 0.96 19 0.87 10 0.84 11 0.85 15 1.19 16 0.87 18 0.85 15 1.19 16 0.87 18 0.82 19 0.87 10 0.84 14 0.85 15 1.19 16 0.87 18 0.82 19 0.89 10 0.88 13 0.88 14 1.88 15 1.19 16 0.87 18 0.82 19 0.89 10 0.88 13 0.98 11 0.88 13 0.98 15 1.19 16 0.87 16 0.37 18 0.82 19 0.89 10 0.88 13 0.94 14 1.00 15 1.19 16 0.25 16 0.37 17 0.88 18 0.82 19 0.99 10 0.88 11 0.98 11 0.98 11 0.99 11 0.99 11 0.99	1.43 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70	0.95 1.08 0.85 0.85 0.89 0.90 0.87 0.88 0.88 0.88 0.88 0.88 1.02 0.81 0.60 0.79 0.78 0.99 1.13 1.01 1.48 0.51 0.41 0.71 0.60 0.86 0.76 0.86 1.21 1.33 0.27 1.22 1.11	1.60 1.89 1.37 1.43 1.45 1.45 1.47 1.47 1.76 1.47 1.76 1.29 0.62 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.98 0.91 1.40 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.9	1.07 1.21 0.96 0.98 1.00 1.00 1.01 0.99 1.15 0.91 1.15 0.87 0.84 1.24 1.11 1.65 0.62 0.44 0.77 0.84 0.77 0.82 0.94 1.15 0.62	1.76 2.07 1.51 1.49 1.59 1.59 1.51 1.50 1.52 1.94 1.62 1.94 1.62 1.94 1.63 1.60 1.62 1.94 1.63 1.60 1.62 1.94 1.63 1.60 1.62 1.94 1.63 1.60 1.62 1.62 1.62 1.62 1.62 1.62 1.62 1.62	1.06 1.19 0.05 0.09 0.09 1.00 0.09 1.00 0.09 1.00 0.09 1.00 0.08 1.13 0.01 0.01 0.07 0.09 1.13 0.01 0.01 0.05 0.08 1.13 0.01 0.05 0.08 1.13 0.01 0.05 0.08 1.13 0.01 0.05 0.07 0.05 0.05	1.90 2.23 1.64 1.61 1.71 1.74 1.79 1.79 1.79 2.09 1.70 2.09 1.03 1.59 2.04 1.68 3.75 0.52 0.37 0.50 2.04 1.69 2.03 1.00 1.20 2.33 1.00 1.20 2.33 1.00 1.20 2.33 1.00 2.33 1.00 2.33 1.00 2.33 1.00 2.33 2.30 2.30 2.30 2.30 2.30 2.30 2
LED Reflector Lamp ROSP - RAC Elect Heat MSSP - RAC Cas MSSP - RAC Gas	Luphine Luphin	Mel Mer Mer		16 6 8 9 9 10 13 14 16 6 8 8 9 9 10 10 13 14 15 16 6 8 8 9 10 10 15 16 6 8 8 9 10 10 15 16 6 8 8 9 10 10 15 16 6 8 8 9 10 10 15 16 6 8 8 9 10 10 15 16 8 8 9 10 10 15 16 8 8 9 10 10 15 16 8 8 9 10 10 15 16 8 8 9 10 10 15 16 8 8 9 10 10 15 16 8 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	0.00 0.99 0.99 1.00 0.99 0.99 0.99 0.99	272 279 289 302 298 302 298 298 303 298 298 305 351 255 266 288 289 282 280 282 280 009 018 040 032 011 040 033 031 041 040 034	Smart Power Skip The 2 Smart Power Skip The 3 Smart Themostat Sm	Macoulamonus		13 0.78 14 0.78 15 0.88 16 0.70 6 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.70 16 0.75 17 0.84 18 0.75 19 0.85 19 0.87 10 0.85 1	1.43 1.70 1.22 1.21 1.28 1.31 1.26 1.31 1.31 1.31 1.31 1.31 1.58 1.15 0.89 0.84 1.29 1.60 0.84 1.29 1.60 0.81 1.60 0.81 1.61 1.60 0.60 0.81 1.60 0.81 1.61 1.60 0.60 0.60 0.81 1.60 0.81 1.60 0.81 1.60 0.	0.95 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.86 0.	1.60 1.89 1.37 1.35 1.43 1.44 1.42 1.47 1.47 1.47 1.47 1.49 1.29 0.09 1.30 0.09 1.40 0.09 1.40 0.09 1.40 1.40 1.70 0.09 1.40 1.70 0.09 1.40 1.70 0.09 1.40 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.7	1.07 1.21 0.96 0.99 1.00 1.01 1.02 0.98 1.00 0.99 1.15 0.93 1.15 0.87 0.87 1.08 1.08 1.08 1.08 1.08 1.08 1.08 1.08	1.76 2.07 1.51 1.49 1.58 1.58 1.58 1.59 1.59 1.59 1.59 1.59 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	1.06 1.19 0.05 0.09 0.09 1.00 0.09 1.00 0.09 1.00 0.09 1.00 0.08 1.13 0.01 1.13 0.01 1.13 0.01 1.05 0.07 0.07 0.07 0.07 0.07 0.07 0.07 0	1.90 2.23 1.64 1.61 1.71 1.74 1.79 1.79 2.09 1.70 2.09 1.70 2.09 1.03 1.55 0.70 1.03 1.59 2.04 1.68 3.75 0.52 0.37 0.90 0.83 1.00 0.83 1.00 0.83 1.00 0.83 1.00 0.83 0.83 0.90 0.83 0.90 0.83 0.90 0.83 0.90 0.83 0.90 0.83 0.90 0.83 0.90 0.83 0.90 0.83 0.90 0.83 0.90 0.83 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.9
LED Reflector Lamp LED Re	Lighting Lig	Met		16 6 8 9 10 10 11 15 16 6 8 8 9 10 10 11 15 16 8 8 9 10 10 11 15 16 16 16 16 16 16 16 16 16 16 16 16 16	0.00 0.99 0.99 0.99 0.99 0.99 0.99 0.99	272 279 302 289 302 298 302 298 303 307 351 307 351 208 208 209 209 209 209 209 209 209 201 340 209 209 209 209 209 209 209 209 209 20	Smart Power Skip The 2 Smart Power Skip The 3 Smart Power Skip The 3 Smart Themostat Smart Themo	Macoulamonus		13 0.78 14 0.78 15 0.88 16 0.70 6 0.70 8 0.73 9 0.73 10 0.71 13 0.72 14 0.72 15 0.84 16 0.70 18 0.70 19 0.73 10 0.71 11 0.72 11 0.73 11 0.74 1	1.43 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70	0.95 1.08 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0	1.60 1.89 1.37 1.35 1.43 1.42 1.47 1.47 1.47 1.47 1.47 1.49 0.00 0.00 1.70 0.00 0.00 0.00 0.00 0.00	1.07 1.21 0.99 0.99 1.00 0.99 1.00 0.99 1.15 0.91 0.87 0.87 0.84 1.08 1.24 1.11 1.65 0.52 0.44 0.77 0.73 0.82 0.44 0.77 0.73 0.82 0.94 1.15 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.9	1.76 2.07 1.51 1.40 1.58 1.51 1.61 1.56 1.61 1.62 1.62 1.62 1.62 1.62 1.62 1.6	1.06 1.19 0.95 0.99 1.00 0.97 0.99 1.00 0.97 0.99 0.08 1.13 0.11 0.01 1.17 0.07 1.07 1.07 1.07 1.07	1.90 2.23 1.84 1.61 1.71 1.74 1.69 1.76 1.76 1.79 1.79 1.79 1.79 1.09 1.55 0.70 1.09 1.09 1.09 1.09 1.09 1.09 1.09 1.0

Notes:
-- ESACET scores for the MF CAM in PY2022 are not included because there is no NEB calculator available for MF CAM. Additionally, MF CAM is not included in Tables 5, 6 and 7 as it is being transitioned into the MFWB program. Appropriate cost effectiveness testing for the MFWB program portfolio is yet to be determined.

-- D.21-06-015 did not mandate ESACET thresholds for either the portfolio or individual measures. However, OP 83 and 84 directed the IOUs to aim for a 0.70 ESACET portfolio level by re-evaluating all measures with ESACET scores of less than 0.30 in this joint Tier 2 ESA advice letter compliance filing to determine if any of these measures should be removed. The IOUs completed this 2022-2023 ESA evaluation and list which measures they determined to retain in Table 1. Also included in Table 1 are measures that were added to IOU ESA portfolios per OP 59 to help increase ESACET scores and/or provide greater consistency with ESA measures offered by other IOUs. IOUs did not adjust their authorized ESA budgets.

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Domestic Hot Water Si

Domestic Hot Water

Domestic Hot Water

Domestic Hot Water Domestic Hot Water S

Domestic Hot Water

Domestic Hot Water MH

Domestic Hot Water M

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MSHP - RAC Propane	HVAC	SF	E	9	0.44	n/a	TSV
MSHP - RAC Propane	HVAC	SF	E	10	0.41	n/a	TSV
MSHP - RAC Propane	HVAC	SF	E	13	0.42	n/a	TSV
MSHD - PAC Drongna	HVAC	SF	E	14	0.38	n/a	TSV
MSHP - RAC Propage	HVAC	SF	E	16	0.37	n/a	TSV
MSHP - RAC Propane	HVAC	SF	E	15	0.53	0.13	TSV
MSHP - RAC Propane MSHP - RAC Propane Portable AC	HVAC	MH	E	13	-0.95	n/a	TSV
Portable AC	HVAC	MH	E	14	-1.41	n/a	TSV
Portable AC	HVAC	MH	E	15	-1.35	n/a	TSV
Portable AC	HVAC	MF	E	13	-0.95	n/a	TSV/Showerhead Combined
Portable AC	HVAC	MF	E	14	-1.41	n/a	TSV/Showerhead Combined
Portable AC	HVAC	MF	E	15	-1.35	n/a	TSV/Showerhead Combined
Portable AC	HVAC	SF	E	13	-0.95	n/a	TSV/Showerhead Combined
Portable AC	HVAC	SF	E	14	-1.41	n/a	TSV/Showerhead Combined
Portable AC	HVAC	SF	E	15	-1.35	n/a	TSV/Showerhead Combined
Befriggrant Charge Adjustment	Maintenance	MH	F	6	0.88	1.02	
Portable AC Refrigerant Charge Adjustment Refrigerant Charge Adjustment	Maintenance	MH	E	8	1.08	2.04	TSV/Showerhead Combined TSV/Showerhead Combined
Refrigerant Charge Adjustment	Maintenance	MH	E	9	1.13	2.45	TSV/Showerhead Combined
Refrigerant Charge Adjustment Refrigerant Charge Adjustment Refrigerant Charge Adjustment Refrigerant Charge Adjustment	Maintenance	MH	E	10	1.25	3.73	
Refrigerant Charge Adjustment	Maintenance Maintenance	MH			1.25		TSV/Showerhead Combined
Refrigerant Charge Adjustment			E	13		5.56	TSV/Showerhead Combined
Refrigerant Charge Adjustment	Maintenance	MH	E	14	1.39	7.33	TSV/Showerhead Combined
Refrigerant Charge Adjustment Refrigerant Charge Adjustment	Maintenance	MH	E	15	1.43	9.55	TSV/Showerhead Combined
Refrigerant Charge Adjustment	Maintenance	MH	E	16	0.97	1.39	TSV/Showerhead Combined
Refrigerant Charge Adjustment	Maintenance	MF	E	6	0.88	1.02	TSV/Showerhead Combined
Refrigerant Charge Adjustment	Maintenance	MF	E	8	1.08	2.04	TSV/Showerhead Combined
Refrigerant Charge Adjustment Refrigerant Charge Adjustment Refrigerant Charge Adjustment Refrigerant Charge Adjustment	Maintenance	MF	E	9	1.13	2.45	
Refrigerant Charge Adjustment	Maintenance	MF	E	10	1.25	3.73	
Refrigerant Charge Adjustment Refrigerant Charge Adjustment Refrigerant Charge Adjustment	Maintenance	MF	E	13	1.34	5.56	
Refrigerant Charge Adjustment	Maintenance	MF	E	14	1.39	7.33	
Refrigerant Charge Adjustment	Maintenance	MF	E	15	1.43	9.55	
	Maintenance	MF	E	16	0.97	1.39	
Refrigerant Charge Adjustment Refrigerant Charge Adjustment Refrigerant Charge Adjustment Refrigerant Charge Adjustment	Maintenance	SF	E	6	0.88	1.02	
Refringerent Charge Adjustment	Maintenance	SF	F	8	1.08	2.04	
Politicarent Charge Adjustment	Maintenance Maintenance	SF SE	E F	8	1.08	2.04	
Reingerant Charge Adjustment		01	_			2	
	Maintenance	SF	E	10	1.25	3.73	
Refrigerant Charge Adjustment	Maintenance	SF	E	13	1.34	5.56	
Refrigerant Charge Adjustment	Maintenance	SF	E	14	1.39	7.33	
Refrigerant Charge Adjustment	Maintenance	SF	E	15	1.43	9.55	
Refrigerant Charge Adjustment Smart Power Strip Tier 2	Maintenance	SF	E	16	0.97	1.39	
Smart Power Strip Tier 2	Miscellaneous	MH	E	6	0.66	1.15	
Smart Power Strip Tier 2 Smart Power Strip Tier 2 Smart Power Strip Tier 2	Miscellaneous	MH	E	8	0.71	1.29	
Smart Power Strip Tier 2	Miscellaneous	MH	E	9	0.70	1.28	
Smart Power Strip Tier 2	Miscellaneous	MH	E	10	0.70	1.29	
Smart Power Strin Tier 2	Miscellaneous	MH	E	13	0.70	1.29	
Smart Power Strip Tier 2	Miscellaneous	MH	E	14	0.69	1.28	
Smart Power Strip Tier 2 Smart Power Strip Tier 2 Smart Power Strip Tier 2	Miscellaneous	MH	F	15	0.79	1.52	
Smart Power Strip Tier 2	Miscellaneous	MH	E	16	0.62	1.09	
Count Power Strip Tier 2	Miscellaneous	MF	E	6	0.65	1.11	
Smart Power Strip Tier 2	Miscellaneous	MF	E	8	0.68	1.19	
Smart Power Strip Her 2	Miscellaneous	MF					
Smart Power Strip Tier 2			E	9	0.69	1.24	
Smart Power Strip Tier 2	Miscellaneous	MF	E	10	0.68	1.22	
Smart Power Strip Tier 2	Miscellaneous	MF	E	13	0.67	1.21	
Smart Power Strip Tier 2	Miscellaneous	MF	E	14	0.68	1.23	
Smart Power Strip Tier 2	Miscellaneous	MF	E	15	0.77	1.46	
Smart Power Strip Tier 2	Miscellaneous	MF	E	16	0.61	1.06	
Smart Power Strip Tier 2	Miscellaneous	SF	E	6	0.62	1.08	
Smart Power Strip Tier 2	Miscellaneous	SF	E	8	0.65	1.14	
Smart Power Strip Tier 2	Miscellaneous	SF	E	9	0.65	1.17	
Smart Power Strip Tier 2	Miscellaneous	SF	E	10	0.63	1.12	
Smart Power Strip Tier 2	Miscellaneous	SF	E	13	0.64	1.12	
Smart Power Strip Tier 2	Miscellaneous	SF	E	14	0.64	1.16	
Smart Davier Strip Tier 2	Miscellaneous	SF	E	15	0.64	1.10	
Smart Dougr Strip Tier 2	Miscellaneous	SF	E	16	0.75	1.02	
Consult Thermostat							
Count Thermosias	HVAC	MH MH	E E	6	0.50	0.53	
Smart inermostat	HVAC			8		0.82	
Smart Thermostat	HVAC	MH	E	9	0.62	0.78	
Smart Thermostat	HVAC	MH	E	10	0.77	1.20	
Smart Thermostat	HVAC	MH	E	13	0.86	1.54	
Smart Thermostat	HVAC	MH	E	14	0.78	1.25	
Smart Power Stip The 2 Smart Thermostat	HVAC	MH	E	15	1.07	2.83	
Smart Thermostat	HVAC	MH	E	16	0.43	0.39	
Smart Thermostat	HVAC	MF	E	6	0.20	0.07	
Smart Thermostat	HVAC	MF	E	8	0.27	0.16	
Smart Thermostat	HVAC	MF	E	9	0.30	0.20	
Smart Thermostat	HVAC	MF	E	10	0.26	0.14	
Smart Thermostat	HVAC	MF	E	13	0.50	0.52	
Smart Thermostat Smart Thermostat Smart Thermostat Smart Thermostat Smart Thermostat	HVAC	MF	E	14	0.57	0.67	
Smart Thermostat	HVAC	MF	E	15	0.64	0.82	
Smart Thermostat	HVAC	MF	E	16	0.64	0.30	
Const Thermostet	HVAC	SF	E	6	0.36	0.30	
Smart Thermostat		SF SF	E F	6 8	0.36	0.28	
Smart i nermostat	HVAC		_				
Smart I hermostat	HVAC	SF	E	9	0.55	0.62	
Smart Thermostat	HVAC	SF	E	10	0.61	0.75	
Smart Thermostat	HVAC	SF	E	13	0.68	0.95	
Smart Thermostat	HVAC	SF	E	14	0.91	1.79	
Silialt Hieriliosiat	HVAC	SF	E	15	0.99	2.21	
Smart Thermostat	HVAC	SF	E	16	0.24	0.12	
TSV	Domestic Hot Water	MH	E	6	0.91	1.56	
TSV	Domestic Hot Water	MH	E	8	0.90	1.49	
							 •

Energy Savings Assistance Program Cost-Effectiveness - Weather Sensitive Measures (PY2022-2026) Table 6

Notes:
-- ESACET scores for the MF CAM in PY2022 are not included because there is no NEB calculator available for MF CAM. Additionally, MF CAM is not included in Tables 5, 6 and 7 as it is being transitioned into the MFWB program. Appropriate cost effectiveness testing for the MFWB program portfolio is yet to be determined.

TSV	Domestic Hot Water	MH	E	9	0.89	1.48
TSV	Domestic Hot Water	MH	E	10	0.89	1.47
TSV	Domestic Hot Water	MH	E	13	0.00	0.00
TSV	Domestic Hot Water	MH	E	14	0.00	0.00
TSV	Domestic Hot Water	MH	E	15	0.00	0.00
TSV	Domestic Hot Water	MH	E	16	0.00	0.00
TSV	Domestic Hot Water	MF	E	6	0.91	1.56
TSV	Domestic Hot Water	MF	E	8	0.90	1.49
TSV	Domestic Hot Water	MF	E	9	0.89	1.48
TSV	Domestic Hot Water	MF	E	10	0.89	1.47
TSV	Domestic Hot Water	MF	E	13	0.00	0.00
TSV	Domestic Hot Water	MF	E	14	0.90	1.52
TSV	Domestic Hot Water	MF	E	15	0.00	0.00
TSV	Domestic Hot Water	MF	E	16	0.00	0.00
TSV	Domestic Hot Water	SF	E	6	0.89	1.46
TSV	Domestic Hot Water	SF	E	8	0.87	1.40
TSV	Domestic Hot Water	SF	E	9	0.87	1.39
TSV	Domestic Hot Water	SF	E	10	0.87	1.38
TSV	Domestic Hot Water	SF	E	13	0.87	1.38
TSV	Domestic Hot Water	SF	E	14	0.88	1.43
TSV	Domestic Hot Water	SF	E	15	0.77	1.01
TSV	Domestic Hot Water	SF	E	16	0.96	1.79
TSV/Showerhead Combined	Domestic Hot Water	MH	E	6	0.62	0.63
TSV/Showerhead Combined	Domestic Hot Water	MH	E	8	0.61	0.60
TSV/Showerhead Combined	Domestic Hot Water	MH	E	9	0.61	0.60
TSV/Showerhead Combined	Domestic Hot Water	MH	E	10	0.61	0.60
TSV/Showerhead Combined	Domestic Hot Water	MH	E	13	0.00	0.00
TSV/Showerhead Combined	Domestic Hot Water	MH	E	14	0.00	0.00
TSV/Showerhead Combined	Domestic Hot Water	MH	E	15	0.00	0.00
TSV/Showerhead Combined	Domestic Hot Water	MH	E	16	0.00	0.00
TSV/Showerhead Combined	Domestic Hot Water	MF	E	6	0.62	0.63
TSV/Showerhead Combined	Domestic Hot Water	MF	Е	8	0.61	0.60
TSV/Showerhead Combined	Domestic Hot Water	MF	E	9	0.61	0.60
TSV/Showerhead Combined	Domestic Hot Water	MF	E	10	0.61	0.60
TSV/Showerhead Combined	Domestic Hot Water	MF	Е	13	0.00	0.00
TSV/Showerhead Combined	Domestic Hot Water	MF	E	14	0.62	0.62
TSV/Showerhead Combined	Domestic Hot Water	MF	E	15	0.00	0.00
TSV/Showerhead Combined	Domestic Hot Water	MF	E	16	0.00	0.00
TSV/Showerhead Combined	Domestic Hot Water	SF	E	6	0.62	0.63
TSV/Showerhead Combined	Domestic Hot Water	SF	E	8	0.61	0.60
TSV/Showerhead Combined	Domestic Hot Water	SF	E	9	0.61	0.60
TSV/Showerhead Combined	Domestic Hot Water	SF	E	10	0.61	0.60
TSV/Showerhead Combined	Domestic Hot Water	SF	Ē	13	0.61	0.60
TSV/Showerhead Combined	Domestic Hot Water	SF	E	14	0.62	0.62
TSV/Showerhead Combined	Domestic Hot Water	SF	Ē	15	0.53	0.44
TSV/Showerhead Combined	Domestic Hot Water	SF	F	16	0.68	0.77

Notes:
-- ESACET scores for the MF CAM in PY2022 are not included because there is no NEB calculator available for MF CAM. Additionally, MF CAM is not included in Tables 5, 6 and 7 as it is being transitioned into the MFWB program. Appropriate cost effectiveness testing for the MFWB program portfolio is yet to be determined.

Southern California Gas Company	у																	
Measure					20	022	Cinnia	Measure Family and Mobile Homes -		Type of Home	Electric or Gas	Climate Zone	2023		2024	2025	202	026
Single Family, Mobile Homes, and Multifamily In-unit Installations ¹	Measure Group	Type of Home	Electric or Gas	Climate Zone		_ 2	Single	Installations 3	Measure Group	(SF, MH)	(E,G)	(Number)	2		_ 2		2	_ 2
Air Sealing / Envelope	Enclosure	(SF, MH) MF	(E,G)	(Number) All	ESACET 0.09	Resource Test		Air Sealing / Envelope	Enclosure	MH	G	All	ESACET Resource Test 0.09 -	ESACET 0.10	Resource Test	0.10 Resource Test	ESACET 0.10	Resource Test
Air Sealing / Envelope	Enclosure	MH	G	All	0.09			Air Sealing / Envelope	Enclosure	SF	G	4	0.09 -	0.10		0.10	0.10	
Air Sealing / Envelope	Enclosure	SF	G	4	0.09			Air Sealing / Envelope	Enclosure	SF	G	5	0.09 -	0.10		0.10 -	0.10	-
Air Sealing / Envelope	Enclosure	SF	G	5	0.09			Air Sealing / Envelope	Enclosure	SF	G	6	0.09 -	0.10	-	0.10 -	0.10	-
Air Sealing / Envelope	Enclosure	SF	G	6	0.09			Air Sealing / Envelope	Enclosure	SF	G	8	0.09 -	0.10		0.10 -	0.10	-
Air Sealing / Envelope	Enclosure	SF	G	8	0.09			Air Sealing / Envelope	Enclosure	SF	G	9	0.20 0.19	0.20	0.20	0.21 0.2		
Air Sealing / Envelope Air Sealing / Envelope	Enclosure Enclosure	SF SF	G G	9	0.19	0.18		Air Sealing / Envelope Air Sealing / Envelope	Enclosure Enclosure	SF SF	G G	10 13	0.09 -	0.10		0.10 -	0.10	
Air Sealing / Envelope Air Sealing / Envelope	Enclosure	SF	G	13	0.09	- :		Air Sealing / Envelope Air Sealing / Envelope	Enclosure	SF	G	14	0.09	0.10		0.10	0.10	
Air Sealing / Envelope	Enclosure	SF	G	14	0.09			Air Sealing / Envelope	Enclosure	SF	G	15	0.09 -	0.10		0.10 -	0.10	
Air Sealing / Envelope	Enclosure	SF	G	15	0.09			Air Sealing / Envelope	Enclosure	SF	G	16	0.09 -	0.10	-	0.10 -	0.10	-
Air Sealing / Envelope	Enclosure	SF	G	16	0.09			Attic Insulation	Enclosure	SF	G	4	0.26 0.45	0.28		0.29 0.4		
Attic Insulation	Enclosure	MF	G	6	0.21	0.21		Attic Insulation	Enclosure	SF	G	5	0.26 0.42	0.27	0.44	0.28 0.4		
Attic Insulation	Enclosure	MF	G	8	0.21	0.23		Attic Insulation	Enclosure	SF	G	6	0.26 0.40	0.27	0.42	0.28 0.4		0.46
Attic Insulation	Enclosure	MF MF	G	9	0.20			Attic Insulation	Enclosure	SF	G G	8 9	0.23 0.28 0.25 0.39	0.24	0.29	0.25 0.3 0.28 0.4		0.32
Attic Insulation Attic Insulation	Enclosure Enclosure	MF	G	10	0.21	0.22		Attic Insulation Attic Insulation	Endosure Endosure	SF SF	G	10	0.25 0.39 0.25 0.36	0.27		0.28 0.4		
Attic Insulation	Enclosure	MF	G	15	0.20	0.18		Attic Insulation	Enclosure	SF	G	13	0.29 0.62	0.30	0.65	0.32 0.6		0.71
Attic Insulation	Enclosure	MF	G	16	0.21	0.22		Attic Insulation	Enclosure	SF	G	14	0.27 0.49	0.29	0.52	0.30 0.5		0.57
Attic Insulation	Enclosure	SF	G	4	0.26	0.42		Attic Insulation	Enclosure	SF	G	15	0.22 0.27	0.23	0.28	0.24 0.3	0.25	0.31
Attic Insulation	Enclosure	SF	G	5	0.26	0.40		Attic Insulation	Enclosure	SF	G	16	0.26 0.43	0.27	0.45	0.29 0.4		0.50
Attic Insulation	Enclosure	SF	G	6	0.26	0.38		Furnace clean and tune	HVAC	All	G	All	0.05 (0.07)	0.04	(0.07)	0.04 (0.0)		(0.08)
Attic Insulation	Enclosure	SF SF	G G	8 9	0.23	0.27		Furnace Repair	HVAC HVAC	MH MH	G G	5	(1.42) (1.53)			(1.57) (1.6)		(1.78)
Attic Insulation Attic Insulation	Enclosure Enclosure	SF SF	G G	9	0.25	0.38		Furnace Repair Furnace Repair	HVAC	MH MH	G G	6 8	(1.29) (1.40) (1.43) (1.54)	(1.36)		(1.43) (1.5)		(1.63)
Attic Insulation Attic Insulation	Enclosure	SF SF	G	13	0.25	0.34		Furnace Repair Furnace Repair	HVAC	MH	G	9	(1.43) (1.54) (1.54)			(1.58) (1.7)		
Attic Insulation	Enclosure	SF	G	14	0.27	0.47		Furnace Repair	HVAC	MH	G	10	(0.93) (1.04)			(1.03) (1.1)		
Attic Insulation	Enclosure	SF	G	15	0.22	0.25		Furnace Repair	HVAC	MH	G	13	(1.15) (1.27)	(1.22)	(1.33)	(1.28) (1.4		
Attic Insulation	Enclosure	SF	G	16	0.26			Furnace Repair	HVAC	MH	G	14	(1.03) (1.14)			(1.14) (1.2)		
Furnace clean and tune	HVAC	All	G	All	0.05			Furnace Repair	HVAC	MH	G	15	(0.89) (1.00)	(0.93)		(0.98) (1.1)		(1.16)
Furnace Repair	HVAC	MF	G	5	(1.01)	(1.13)		Furnace Repair	HVAC	MH	G	16	(1.33) (1.45)	(1.40)	(1.52)	(1.48) (1.6		(1.68)
Furnace Repair Furnace Repair	HVAC HVAC	MF MF	G	- 6 - 8	(0.75)	(0.87)		Furnace Repair Furnace Repair	HVAC	SF SF	G G	4 5	(1.90) (2.01) (1.77) (1.88)	(2.00)	(2.12)	(2.10) (2.2)		(2.33)
Furnace Repair Furnace Repair	HVAC	MF	G	9	(0.65)	(0.95)		Furnace Repair	HVAC	SF SF	6	6	(1.77) (1.89)			(1.96) (2.0		
Furnace Repair	HVAC	MF	G	10	(0.81)	(0.93)		Furnace Repair	HVAC	SF	G	8	(1.98) (2.09)	(2.08)	(2.20)	(2.19) (2.3		(2.43)
Furnace Repair	HVAC	MH	G	5	(1.34)			Furnace Repair	HVAC	SF	G	9	(2.16) (2.27)	(2.27)		(2.39) (2.5		(2.63)
Furnace Repair	HVAC	MH	G	6	(1.22)			Furnace Repair	HVAC	SF	G	10	(0.99) (1.10)	(1.04)		(1.10) (1.2		(1.28)
Furnace Repair	HVAC	MH	G	8	(1.35)	(1.47)		Furnace Repair	HVAC	SF	G	13	(1.26) (1.38)	(1.33)	(1.45)	(1.40) (1.5)		(1.60)
Furnace Repair	HVAC	MH	G	9	(1.35)	(1.47)		Furnace Repair	HVAC	SF	G	14	(0.89) (1.01)	(0.94)		(0.99) (1.1		(1.17)
Furnace Repair	HVAC	MH	G G	10	(0.87)			Furnace Repair	HVAC	SF SF	G G	15 16	(1.09) (1.21)	(1.15)		(1.21) (1.3		
Furnace Repair Furnace Repair	HVAC HVAC	MH MH	G	13 14	(1.09)	(1.21)		Furnace Repair Smart Thermostat	HVAC	SF MH	G	16 5	(1.84) (1.96) 0.11 0.04	(1.94)	(2.05)	(2.04) (2.10 0.12 0.00		(2.27)
Furnace Repair	HVAC	MH	G	15	(0.83)			Smart Thermostat	HVAC	MH	G	6	0.11 0.04	0.12	0.05	0.12 0.0		0.05
Furnace Repair	HVAC	MH	G	16	(1.26)	(1.38)		Smart Thermostat	HVAC	MH	G	8	0.11 0.04	0.11	0.04	0.11 0.0		
Furnace Repair	HVAC	SF	G	4	(1.80)			Smart Thermostat	HVAC	MH	G	9	0.11 0.03	0.11	0.04	0.11 0.0		
Furnace Repair	HVAC	SF	G	5	(1.68)	(1.79)		Smart Thermostat	HVAC	MH	G	10	0.10 0.02	0.10	0.02	0.10 0.0	0.11	0.02
Furnace Repair	HVAC	SF	G	6	(1.68)			Smart Thermostat	HVAC	MH	G	13	0.11 0.04			0.12 0.0		
Furnace Repair	HVAC	SF	G	8	(1.88)			Smart Thermostat	HVAC	MH	G	14	0.11 0.04	0.12	0.05	0.12 0.0		0.05
Furnace Repair	HVAC	SF SF	G	9	(2.05)	(2.17)		Smart Thermostat	HVAC	MH	G	15	0.10 0.02	0.10		0.11 0.03		0.03
Furnace Repair Furnace Repair	HVAC	SF SF	G G	10	(0.93)	(1.05)		Smart Thermostat Smart Thermostat	HVAC	MH SF	G G	16 4	0.13 0.07 0.14 0.08	0.14	0.08	0.14 0.00 0.15 0.00		0.09
Furnace Repair	HVAC	SF SF	6	14	(0.84)			Smart Thermostat	HVAC	SF	G	5	0.14 0.08	0.14		0.15 0.0		
Furnace Repair	HVAC	SF	G	15	(1.03)	(1.15)		Smart Thermostat	HVAC	SF	G	6	0.13 0.06	0.13	0.07	0.14 0.0		0.08
Furnace Repair	HVAC	SF	G	16	(1.74)	(1.86)		Smart Thermostat	HVAC	SF	G	8	0.12 0.05	0.12	0.06	0.13 0.0		0.06
Smart Thermostat	HVAC	MF	G	5	0.09	0.02		Smart Thermostat	HVAC	SF	G	9	0.13 0.07	0.13		0.14 0.0		
Smart Thermostat	HVAC	MF	G	6	0.10	0.03		Smart Thermostat	HVAC	SF	G	10	0.13 0.08	0.14		0.14 0.0		0.09
Smart Thermostat	HVAC	MF	G	8	0.10	0.03		Smart Thermostat	HVAC	SF	G	13	0.14 0.09	0.14	0.09	0.15 0.0		0.10
Smart Thermostat Smart Thermostat	HVAC HVAC	MF MF	G G	9	0.10	0.03		Smart Thermostat Smart Thermostat	HVAC	SF SF	G G	14 15	0.14 0.10 0.13 0.06	0.15 0.13		0.16 0.1 0.13 0.0		0.11
Smart Thermostat Smart Thermostat	HVAC	MF	G	10	0.09	0.01		Smart Thermostat Smart Thermostat	HVAC	SF SF	G	15	0.13 0.06	0.13	0.07	0.13 0.0		0.07
Smart Thermostat	HVAC	MH	G	5	0.11	0.04		HEFAU Early Replace	HVAC	MH	G	5	0.18 0.11	0.14		0.19 0.1		0.12
Smart Thermostat	HVAC	MH	G	6	0.11			HEFAU Early Replace	HVAC	MH	G	6	0.15 0.05		0.05	0.16 0.0		
Smart Thermostat	HVAC	MH	G	8	0.10	0.03		HEFAU Early Replace	HVAC	MH	G	8	0.14 0.04	0.15	0.04	0.15 0.0		0.05
Smart Thermostat	HVAC	MH	G	9	0.10	0.03		HEFAU Early Replace	HVAC	MH	G	9	0.15 0.06	0.16	0.06	0.16 0.0		
Smart Thermostat	HVAC	MH	G	10	0.09	0.02		HEFAU Early Replace	HVAC	MH	G	10	0.15 0.05	0.15	0.05	0.16 0.0		0.06
Smart Thermostat	HVAC	MH	G	13	0.11			HEFAU Early Replace	HVAC	MH	G	13	0.17 0.08			0.18 0.0		
Smart Thermostat Smart Thermostat	HVAC HVAC	MH MH	G	14 15	0.11	0.04		HEFAU Early Replace HEFAU Early Replace	HVAC	MH MH	G G	14	0.16 0.08	0.17	0.08	0.18 0.00		
Smart Thermostat Smart Thermostat	HVAC	MH	G	15	0.10			HEFAU Early Replace HEFAU Early Replace	HVAC	MH MH	G G	15 16	0.14 0.03 0.18 0.11	0.14		0.14 0.0 0.19 0.1		
Smart Thermostat Smart Thermostat	HVAC	SF	G	4	0.13	0.07		HEFAU Early Replace	HVAC	SF	G	5	0.18 0.11	0.18	0.17	0.19 0.1		0.13
Smart Thermostat	HVAC	SF	G	5	0.13			HEFAU Early Replace	HVAC	SF	G	6	0.16 0.07	0.16		0.17 0.0		
Smart Thermostat	HVAC	SF	G	6	0.12	0.06		HEFAU Early Replace	HVAC	SF	G	8	0.15 0.06		0.06	0.16 0.0		0.07
Smart Thermostat	HVAC	SF	G	8	0.12	0.05		HEFAU Early Replace	HVAC	SF	G	9	0.17 0.09	0.18	0.10	0.18 0.10	0.19	0.11
Smart Thermostat	HVAC	SF	G	9	0.12	0.06		HEFAU Early Replace	HVAC	SF	G	10	0.18 0.11	0.18		0.19 0.13		
Smart Thermostat	HVAC	SF	G	10	0.13			HEFAU Early Replace	HVAC	SF	G	13	0.18 0.11	0.19	0.12	0.19 0.1		0.13
Smart Thermostat Smart Thermostat	HVAC	SF SF	G	13 14	0.14	0.08		HEFAU Early Replace HEFAU Early Replace	HVAC	SF SF	G G	14	0.19 0.13 0.15 0.06	0.19	0.14	0.20 0.14 0.16 0.0		0.15
Smart Thermostat Smart Thermostat	HVAC	SF SF	G G	14	0.14	0.09		HEFAU Early Replace HEFAU Early Replace	HVAC	SF SF	G G	15 16	0.15 0.06 0.19 0.13	0.16	0.07	0.16 0.0° 0.20 0.1-		0.07
Smart Thermostat Smart Thermostat	HVAC	SF SF	G	16	0.12	0.06		HEFAU Early Replace	HVAC	SF MH	G	16	0.19 0.13	0.19	0.13	0.20 0.14		
HEFAU Early Replace	HVAC	MF	G	6	0.13	0.02		HEFAU On Burnout	HVAC	MH	G	6	0.14 0.04	0.17	0.04	0.15 0.0		0.05
HEFAU Early Replace	HVAC	MF	G	8	0.13	0.02		HEFAU On Burnout	HVAC	MH	G	8	0.13 0.03	0.14	0.03	0.14 0.0	3 0.14	0.03
nerad Early Replace																		
HEFAU Early Replace HEFAU Early Replace HEFAU Early Replace	HVAC HVAC	MF MH	G G	9 5	0.14 0.18			HEFAU On Burnout HEFAU On Burnout	HVAC	MH MH	G G	9	0.14 0.05 0.15 0.05	0.15		0.15 0.00 0.16 0.00		

Energy Savings Assistance Program Cost-Effectiveness - Weather Sensitive Measures (PY2022-2026) Table 6

Notes:
-- ESACET scores for the MF CAM in PY2022 are not included because there is no NEB calculator available for MF CAM. Additionally, MF CAM is not included in Tables 5, 6 and 7 as it is being transitioned into the MFWB program. Appropriate cost effectiveness testing for the MFWB program portfolio is yet to be determined.

			_							-								
HEFAU Early Replace	HVAC	MH	G	6	0.15	0.05	HEFAU On Burnout	HVAC	MH	G	13	0.16	0.08	0.17	0.08	17 (09 0	.18 0.09
HEFAU Early Replace	HVAC	MH	G	8	0.14	0.04	HEFAU On Burnout	HVAC	MH	G	14	0.16	0.08	0.17	0.09 0	18 (09 0	.18 0.10
HEFAU Early Replace	HVAC	MH	G	9	0.15	0.05	HEFAU On Burnout	HVAC	MH	G	15	0.14		0.14				.15 0.04
HEFAU Early Replace	HVAC	MH	G	10	0.15	0.05	HEFAU On Burnout	HVAC	MH	G	16	0.17	0.10	0.18				.19 0.11
HEFAU Early Replace	HVAC	MH	G	13	0.17	0.08	HEFAU On Burnout	HVAC	SF	G	4	0.17	0.09	0.18	0.10 0	18 (10 0	.19 0.11
HEFAU Early Replace	HVAC	MH	G	14	0.17	0.08	HEFAU On Burnout	HVAC	SF	G	5	0.16		0.17		17 (.18 0.09
	HVAC	MH		15		0.03		HVAC	SF	G	6			0.17				.18 0.09
HEFAU Early Replace			G		0.14		HEFAU On Burnout					0.16						
HEFAU Early Replace	HVAC	MH	G	16	0.18	0.10	HEFAU On Burnout	HVAC	SF	G	8	0.14	0.03	0.14	0.04 0	15 (04 0	.15 0.04
HEFAU Early Replace	HVAC	SF	G	5	0.20	0.15	HEFAU On Burnout	HVAC	SF	G	9	0.15	0.06	0.16	0.06 0	16 (07 0	.17 0.07
HEFAU Early Replace	HVAC	SF		6	0.16	0.07	HEFAU On Burnout	HVAC	SF	G	10	0.16		0.17	0.08 0			.18 0.08
			G	-														
HEFAU Early Replace	HVAC	SF	G	8	0.15	0.05	HEFAU On Burnout	HVAC	SF	G	13	0.17	0.08	0.17	0.09 0	18 (09 0	.19 0.10
HEFAU Early Replace	HVAC	SF	G	9	0.17	0.09	HEFAU On Burnout	HVAC	SF	G	14	0.18	0.11	0.18	0.11 0	19 (12 0	.20 0.12
HEFAU Early Replace	HVAC	SF	G	10	0.18	0.10	HEFAU On Burnout	HVAC	SF	G	15	0.14	0.05	0.15	0.05 0	15 (05 0	.16 0.05
		SF	G						SF					0.17				
HEFAU Early Replace	HVAC			13	0.18	0.11	HEFAU On Burnout	HVAC		G	16	0.16						.18 0.09
HEFAU Early Replace	HVAC	SF	G	14	0.19	0.12	HE Wall Furnace Early Replace	HVAC	SF	G	4	0.29	0.54	0.30	0.57 0	32 (60 0	.33 0.63
HEFAU Early Replace	HVAC	SF	G	15	0.16	0.06	HE Wall Furnace Early Replace	HVAC	SF	G	5	0.31	0.67	0.32	0.70 0	33 (74 0	.35 0.77
HEFAU Early Replace	HVAC	SF	G	16	0.19	0.12	HE Wall Furnace Early Replace	HVAC	SF	G	6	0.27	0.40	0.28	0.42 0	29 (44 0	.30 0.47
	HVAC	MF	G	6				HVAC	SF	G	_							
HEFAU On Burnout			_	_	0.13	0.02	HE Wall Furnace Early Replace			_	8			0.24	0.27 0			.26 0.30
HEFAU On Burnout	HVAC	MF	G	8	0.13	0.01	HE Wall Furnace Early Replace	HVAC	SF	G	9	0.26	0.38	0.27	0.39 0	28 (41 0	.30 0.44
HEFAU On Burnout	HVAC	MF	G	9	0.13	0.01	HE Wall Furnace Early Replace	HVAC	SF	G	10	0.26	0.37	0.27	0.39 0	28 (41 0	.30 0.43
HEFAU On Burnout	HVAC	MF	G	10	0.12	0.01	HE Wall Furnace Early Replace	HVAC	SF	G	13	0.29		0.31				.34 0.66
HEFAU On Burnout	HVAC	MH	G	5	0.17	80.0	HE Wall Furnace Early Replace	HVAC	SF	G	14	0.31	0.69	0.32		34 (.35 0.79
HEFAU On Burnout	HVAC	MH	G	6	0.14	0.04	HE Wall Furnace Early Replace	HVAC	SF	G	15	0.22	0.22	0.23	0.23 0	24 (24 0	.25 0.25
HEFAU On Burnout	HVAC	MH	G	8	0.14	0.02	HE Wall Furnace Early Replace	HVAC	SF	G	16		0.85	0.34		35 (.37 0.99
				_						_								
HEFAU On Burnout	HVAC	MH	G	9	0.15	0.04	HE Wall Furnace On Burnout	HVAC	SF	G	4			0.28				.31 0.50
HEFAU On Burnout	HVAC	MH	G	10	0.15	0.05	HE Wall Furnace On Burnout	HVAC	SF	G	5	0.29	0.52	0.30	0.55 0	31 (58 0	.33 0.61
HEFAU On Burnout	HVAC	MH	G	13	0.16	0.07	HE Wall Furnace On Burnout	HVAC	SF	G	6	0.25		0.26				.28 0.37
HEFAU On Burnout	HVAC	MH	G	14	0.17	0.08	HE Wall Furnace On Burnout	HVAC	SF	G	8	0.22		0.22				24 0.24
HEFAU On Burnout	HVAC	MH	G	15	0.14	0.03	HE Wall Furnace On Burnout	HVAC	SF	G	9	0.24	0.29	0.25	0.31 0	26 (33 0	.28 0.34
HEFAU On Burnout	HVAC	MH	G	16	0.18	0.09	HE Wall Furnace On Burnout	HVAC	SF	G	10	0.24	0.29	0.25	0.31 0	26 (32 0	.28 0.34
HEFAU On Burnout	HVAC	SF	G	4	0.17	0.09	HE Wall Furnace On Burnout	HVAC	SF	G	13	0.27		0.29				.31 0.52
HEFAU On Burnout	HVAC	SF	G	5	0.17	0.07	HE Wall Furnace On Burnout	HVAC	SF	G	14	0.29		0.30				.33 0.62
HEFAU On Burnout	HVAC	SF	G	6	0.16	0.07	HE Wall Furnace On Burnout	HVAC	SF	G	15	0.20	0.17	0.21	0.18 0	22 (19 0	.23 0.20
HEFAU On Burnout	HVAC	SF	G	8	0.14	0.03	HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70 0	33 (74 0	.35 0.78
HEFAU On Burnout	HVAC			-			TIE Wall Famace Oil Barroot	111710				0.01	0.07	0.02	0.70			0.70
		SF	G	9	0.16	0.06	_											
HEFAU On Burnout	HVAC	SF	G	10	0.16	0.07												
HEFAU On Burnout	HVAC	SF	G	13	0.17	0.08												
HEFAU On Burnout	HVAC	SF	G	14	0.18	0.10												
							-											
HEFAU On Burnout	HVAC	SF	G	15	0.15	0.04												
HEFAU On Burnout	HVAC	SF	G	16	0.17	0.07												
HE Wall Furnace Early Replace	HVAC	MF	G	5	0.32	0.70												
	HVAC	MF	G	6		0.49	-											
HE Wall Furnace Early Replace					0.29													
HE Wall Furnace Early Replace	HVAC	MF	G	8	0.26	0.34												
HE Wall Furnace Early Replace	HVAC	MF	G	9	0.28	0.44												
HE Wall Furnace Early Replace	HVAC	MF	G	10	0.27	0.40												
							-											
HE Wall Furnace Early Replace	HVAC	SF	G	4	0.29	0.52						I						
HE Wall Furnace Early Replace	HVAC	SF	G	5	0.31	0.64						1						
HE Wall Furnace Early Replace	HVAC:	SF	G	6	0.27	0.38	1					I						
HE Wall Furnace Early Replace	HVAC	SE SE		8			=					1						
		- 01	G	_	0.23	0.25						I						
HE Wall Furnace Early Replace	HVAC	SF	G	9	0.26	0.36						I						
HE Wall Furnace Early Replace	HVAC	SF	G	10	0.26	0.36						1						
HE Wall Furnace Early Replace	HVAC	SF	G	13	0.30	0.54	1					I						
							-					1						
HE Wall Furnace Early Replace	HVAC	SF	G	14	0.31	0.65						1						
HE Wall Furnace Early Replace	HVAC	SF	G	15	0.22	0.21						I						
HE Wall Furnace Early Replace	HVAC	SF	G	16	0.33	0.81						1						
HE Wall Furnace On Burnout	HVAC	MF	G	5	0.30	0.55	1					I						
												1						
HE Wall Furnace On Burnout	HVAC	MF	G	6	0.27	0.38						I						
HE Wall Furnace On Burnout	HVAC	MF	G	8	0.24	0.27						I						
HE Wall Furnace On Burnout	HVAC	MF	G	9	0.26	0.34	1					1						
			-				-					I						
HE Wall Furnace On Burnout	HVAC	MF	G	10	0.25	0.31						1						
HE Wall Furnace On Burnout	HVAC	SF	G	4	0.27	0.41						I						
HE Wall Furnace On Burnout	HVAC	SF	G	5	0.29	0.50						I						
							=					1						
HE Wall Furnace On Burnout	HVAC	SF	G	6	0.25	0.30						1						
HE Wall Furnace On Burnout	HVAC	SF	G	8	0.22	0.19						I						
	lan area	SF	G	9	0.24	0.28						1						
					0.24	0.28	-					1						
HE Wall Furnace On Burnout	HVAC	oe.																
HE Wall Furnace On Burnout HE Wall Furnace On Burnout	HVAC	SF	G	10			-											
HE Wall Furnace On Burnout HE Wall Furnace On Burnout HE Wall Furnace On Burnout	HVAC HVAC	SF	G	13	0.28	0.43												
HE Wall Furnace On Burnout HE Wall Furnace On Burnout	HVAC																	
HE Wall Furnace On Burnout	HVAC HVAC HVAC	SF SF	G G	13 14	0.28 0.29	0.43 0.51												
HE Wall Furnace On Burnout	HVAC HVAC HVAC HVAC	SF SF SF	G G	13 14 15	0.28 0.29 0.21	0.43 0.51 0.16	-											
HE Wall Furnace On Burnout	HVAC HVAC HVAC	SF SF	G G	13 14	0.28 0.29	0.43 0.51												

¹ Multifamily is included for PY2022.

² Formerly known as the Resource TRC, updated per: June 2018 Recommendations of the ESA Cost Effectiveness Working Group.

 $^{^{\}rm 3}$ Multifamily is not included for PY2023 - PY2026.

Energy Savings Assistance Program Cost-Effectiveness - Non Weather Sensitive Measures (PY2022-2026) Table 7

Notes:
-- ESACET scores for the MF CAM in PY2022 are not included because there is no NEB calculator available for MF CAM. Additionally, MF CAM is not included in Tables 5, 6 and 7 as it is being transitioned into the MFWB program. Appropriate cost effectiveness testing for the MFWB program portfolio is yet to be determined.

Pacific Gas and Electric Company		T															
Measure					2022	Measure				20	023	21	124	20	25	2	2026
Single Family, Mobile Homes, and Multifamily In-	Measure Group	Type of Home	Electric or Gas			Single Family and Mobile Homes -	Measure Group	Type of Home	Electric or Gas								
unit Installations 1		(SF, MH, MF)	(E,G)	ESACET	Resource Test 2	Installations ³		(SF, MH)	(E,G)	ESACET	Resource Test ²	ESACET	Resource Test 2	ESACET	Resource Test ²	ESACET	Resource Test 2
High Efficiency Clothes Washers	Appliance	SF, MH	E	2.41	0.22	High Efficiency Clothes Washers	Appliance	SF, MH	E	3.11	0.23	3.17	0.24	3.66	0.25	3.37	0.26
High Efficiency Clothes Washers	Appliance	SF, MH	G	2.41	0.22	High Efficiency Clothes Washers	Appliance	SF, MH	G	3.11	0.23	3.17	0.24	3.66	0.25	3.37	0.26
High Efficiency Clothes Washers	Appliance	MF	E	2.41	0.22	High Efficiency Clothes Washers	Appliance	MF	E	-	-		-	-	-		-
High Efficiency Clothes Washers	Appliance	MF	G	2.41	0.22	High Efficiency Clothes Washers	Appliance	MF	G	-	-		-	-	-		-
Refrigerators	Appliance	SF, MH	E	1.17	0.85	Refrigerators	Appliance	SF, MH	E	1.22	0.92	1.29	0.98	1.39	1.05	1.44	1.12
Refrigerators	Appliance	SF, MH	G			Refrigerators	Appliance	SF, MH	G	-	-		-	-	-		
Refrigerators	Appliance	MF	E	1.17	0.85	Refrigerators	Appliance	MF	E	-	-		-	-	-		-
Refrigerators	Appliance	MF	G			Refrigerators	Appliance	MF	G	-	-		-	-	-		-
New - Freezer	Appliance	SF, MH	E			New - Freezer	Appliance	SF, MH	E	1.31	1.00	1.38	1.07	1.50	1.14	1.54	1.22
New - Freezer	Appliance	SF. MH	G			New - Freezer	Appliance	SF. MH	G								-
New - Freezer	Appliance	MF	E			New - Freezer	Appliance	MF	E								
New - Freezer	Appliance	MF	G			New - Freezer	Appliance	MF	G	-	-		-	-	-		-
Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	SF. MH	E	2.76	0.69	Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	SF. MH	E	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	SF. MH	G	2.76	0.69	Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	SF. MH	G	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	MF	E	2.76	0.69	Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	MF	E	-			-	-	-	-	
Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	MF	G	2.76	0.69	Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	MF	G		-		-	-			
Tub Diverter/ Tub Spout	Domestic Hot Water	SF. MH	E	2.60	0.53	Tub Diverter/ Tub Spout	Domestic Hot Water	SF. MH	E	3.34	0.57	3.41	0.60	3.91	0.63	3.64	0.66
Tub Diverter/ Tub Spout	Domestic Hot Water	SF. MH	G	2.60	0.53	Tub Diverter/ Tub Spout	Domestic Hot Water	SF. MH	G	3.34	0.57	3.41	0.60	3.91	0.63	3.64	0.66
Tub Diverter/ Tub Spout	Domestic Hot Water	MF	E	2.60	0.53	Tub Diverter/ Tub Spout	Domestic Hot Water	MF	E	0.04	0.07	0.41	0.00	0.51	0.00	0.04	0.00
Tub Diverter/ Tub Spout	Domestic Hot Water	MF	G	2.60	0.53	Tub Diverter/ Tub Spout	Domestic Hot Water	MF	G								
Combined Showerhead/TSV	Domestic Hot Water	SF. MH	E	2.76	0.69	Combined Showerhead/TSV	Domestic Hot Water	SF. MH	F	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Combined Showerhead/TSV	Domestic Hot Water	SF MH	G	2.76	0.69	Combined Showerhead/TSV	Domestic Hot Water	SF. MH	G	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Combined Showerhead/TSV	Domestic Hot Water	ME	E	2.76	0.69	Combined Showerhead/TSV	Domestic Hot Water	MF	E	0.00	0.02	0.41	0.00	0.01	0.00	0.70	0.70
Combined Showerhead/TSV Combined Showerhead/TSV	Domestic Hot Water	ME	G	2.76	0.69	Combined Showerhead/TSV	Domestic Hot Water	MF	G	-			- :		1		
Thermostat-controlled Shower Valve	Domestic Hot Water	SF. MH	F	2.76	0.69	Thermostat-controlled Shower Valve	Domestic Hot Water	SF. MH	F	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Thermostat-controlled Shower Valve	Domestic Hot Water	SF. MH	G	2.76	0.69	Thermostat-controlled Shower Valve	Domestic Hot Water	SF. MH	G	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Thermostat-controlled Shower Valve	Domestic Hot Water	MF	E	2.76	0.69	Thermostat-controlled Shower Valve	Domestic Hot Water	MF.	E	3.35	0.02	3.47	0.00	3.97	0.09	3.10	0.73
Thermostat-controlled Shower Valve	Domestic Hot Water	ME	G	2.76	0.69	Thermostat-controlled Shower Valve	Domestic Hot Water	MF	G	-		-	-	-	-		
Heat Pump Water Heater	Domestic Hot Water	SF. MH	E	0.63	0.50	Heat Pump Water Heater	Domestic Hot Water	SF. MH	E	0.64	0.50	0.68	0.54	0.73	0.58	0.77	0.62
Heat Pump Water Heater	Domestic Hot Water	SF. MH	G	0.00	0.00	Heat Pump Water Heater	Domestic Hot Water	SF. MH	G	0.04	0.50	0.00	0.04	0.70	0.00	0.11	0.02
Heat Pump Water Heater	Domestic Hot Water	ME	F	0.63	0.50	Heat Pump Water Heater	Domestic Hot Water	MF	F	-			- :		1		- :
Heat Pump Water Heater	Domestic Hot Water	MF	G	0.03	0.30	Heat Pump Water Heater	Domestic Hot Water	MF	G	- :		- :		- :	-		
Water Heater Repair/Replacement	Domestic Hot Water	SF. MH	E	0.16	0.03	Water Heater Repair/Replacement	Domestic Hot Water	SF. MH	E	0.17	0.03	0.17	0.03	0.19	0.03	0.18	0.04
Water Heater Repair/Replacement	Domestic Hot Water	SF, MH	G	0.16	0.03	Water Heater Repair/Replacement	Domestic Hot Water	SF, MH	G	0.17	0.03	0.17	0.03	0.19	0.03	0.18	0.04
Water Heater Repair/Replacement	Domestic Hot Water	ME	E	0.16	0.03	Water Heater Repair/Replacement	Domestic Hot Water	ME	F	0.17	0.03	0.17	0.03	0.15	0.03	0.10	0.04
Water Heater Repair/Replacement	Domestic Hot Water	MF	G	0.16	0.03	Water Heater Repair/Replacement	Domestic Hot Water	MF	G	-		-		-	-		- :
WH blanket/ WH Pipe Insulation	Domestic Hot Water	SF. MH	F	0.10	0.46	WH blanket/ WH Pipe Insulation	Domestic Hot Water	SF. MH	E	0.53	0.45	0.55	0.48	0.59	0.50	0.60	0.52
WH blanket/ WH Pipe Insulation	Domestic Hot Water	SF, MH	G	0.54	0.46	WH blanket/ WH Pine Insulation	Domestic Hot Water	SF, MH	G	0.53	0.45	0.55	0.48	0.59	0.50	0.60	0.52
WH blanket/ WH Pipe Insulation	Domestic Hot Water	MF.	E	0.54	0.46	WH blanket WH Pipe Insulation	Domestic Hot Water	MF	E	0.00	0.40	0.00	0.40	0.00	0.30	0.00	0.02
WH blanket/ WH Pipe Insulation	Domestic Hot Water	ME	G	0.54	0.46	WH blanket/ WH Pipe Insulation	Domestic Hot Water	MF	G	•	-		-	-	-		
LED A-Lamps	Lighting	SF. MH	E	0.89	0.40	LED A-Lamps	Lighting	SF. MH	F	1.17	1.09	1.26	1.19	1.37	1.28	1.47	1.39
LED A-Lamps	Lighting	MF	E	0.89	0.81	LED A-Lamps	Lighting	MF	E	1.17	1.09	1.20	1.19	1.37	1.20	1.47	1.39
LED Reflector Bulb	Lighting	SF. MH	F	1.15	1.07	LED Reflector Bulb	Lighting	SF. MH	F	1.32	1.24	1.43	1.35	1.54	1.46	1.66	1.57
LED Reflector Bulb	Lighting	MF	E	1.15	1.07	LED Reflector Bulb	Lighting	MF	E	1.32	1.24	1.40	1.30	1.04	1.40	1.00	1.07
Exterior Hard wired LED fixtures	Lighting	SF. MH	E	0.19	0.11	Exterior Hard wired LED fixtures	Lighting	SF. MH	E	0.20	0.12	0.21	0.13	0.22	0.14	0.23	0.15
Exterior Hard wired LED fixtures		MF	F	0.19	0.11	Exterior Hard wired LED fixtures		MF	F	0.20	0.12	0.21	0.13	0.22	0.14	0.23	0.10
	Lighting	SF, MH	_	0.19			Lighting	SF, MH	_			0.00				0.00	-1-
New Air Purifier	Miscellaneous Miscellaneous	SF, MF	E	0.08	n/a	New Air Purifier New Air Purifier	Miscellaneous Miscellaneous	MF	E	0.08	n/a	80.0	n/a	0.06	n/a	0.08	n/a
New Air Purifier New Cold Storage	Miscellaneous Miscellaneous	SF. MH	E F	0.08	n/a n/a	New Air Puntier New Cold Storage	Miscellaneous	SF. MH	E	0.08	n/a	0.08	n/a	0.06	n/a	0.08	n/a
		SF, MH		0.08				SF, MH		0.08	n/a	0.08	n/a	0.06	n/a	0.08	n/a
New Cold Storage	Miscellaneous Enclosure		E		n/a	New Cold Storage	Miscellaneous Enclosure	SF. MH	E E		-		-		-		
New Minor Home Repair Plus		SF, MH		0.33	n/a	New Minor Home Repair Plus				0.31	n/a	0.30	n/a	0.25	n/a	0.32	n/a
New Minor Home Repair Plus	Enclosure	SF, MH	G	0.33	n/a	New Minor Home Repair Plus	Enclosure	SF, MH	G	0.31	n/a	0.30	n/a	0.25	n/a	0.32	n/a
New Minor Home Repair Plus	Enclosure	MF	E	0.33	n/a	New Minor Home Repair Plus	Enclosure	MF	E		-			-	-		
New Minor Home Repair Plus	Enclosure	MF	G	0.33	n/a	New Minor Home Repair Plus	Enclosure	MF	G					-			
New Pool Pumps Replacement	Miscellaneous	SF, MH	E	0.87	0.79	New Pool Pumps Replacement	Miscellaneous	SF, MH	E	0.62	0.54	0.64	0.56	0.69	0.59	0.71	0.63
New Pool Pumps Replacement	Miscellaneous	MF	E	0.87	0.79	New Pool Pumps Replacement	Miscellaneous	MF	E					-		-	
New Tier 2 Adv Power Strip w Bluetooth	Miscellaneous	SF, MH	E	1.41	1.33	New Tier 2 Adv Power Strip w Bluetooth	Miscellaneous	SF, MH	E	1.51	1.43	1.62	1.54	1.74	1.65	1.85	1.77
New Tier 2 Adv Power Strip w Bluetooth	Miscellaneous	MF	E	1.41	1.33	New Tier 2 Adv Power Strip w Bluetooth	Miscellaneous	MF	E	-	-	-	-	-	1 -		1 -

Energy Savings Assistance Program Cost-Effectiveness - Non Weather Sensitive Measures (PY2022-2026) Table 7

Notes:
-- ESACET scores for the MF CAM in PY2022 are not included because there is no NEB calculator available for MF CAM. Additionally, MF CAM is not included in Tables 5, 6 and 7 as it is being transitioned into the MFWB program. Appropriate cost effectiveness testing for the MFWB program portfolio is yet to be determined.

San Diego Gas & Electric Company																	
Measure					2022	Measure				20	123	20	124	200	25	2	2026
Single Family, Mobile Homes, and Multifamily In-	Measure Group	Type of Home	Electric or Gas			Single Family and Mobile Homes -	Measure Group	Type of Home	Electric or Gas								
unit Installations 1	measure Group	(SF, MH, MF)	(E,G)			Installations 3	measure Group	(SF, MH)	(E.G)		Resource		Resource		Resource		Resource
				ESACET	Resource Test 2				. , - ,	ESACET	Test 2	ESACET	Test 2	ESACET	Test 2	ESACET	Test 2
High Efficiency Clothes Washer	Appliances	MF MH	E	0.50	0.15	High Efficiency Clothes Washer	Appliances	MH	E	1.31	0.06	1.42	0.06	1.39	0.06	1.34	0.06
High Efficiency Clothes Washer High Efficiency Clothes Washer	Appliances	MH SF	E	0.55	0.05	High Efficiency Clothes Washer High Efficiency Clothes Washer	Appliances	SF MH	E G	1.09	0.24	1.19	0.26	1.16	0.27	1.14	0.28
High Efficiency Clothes Washer	Appliances Appliances	MF	G	0.47	0.28	High Efficiency Clothes Washer	Appliances Appliances	SF	G	1.10	0.22	1.20	0.22	1.21	0.23	1.10	0.23
High Efficiency Clothes Washer	Appliances	MH	G	0.48	0.28	Refrigerators	Appliances Appliances	MH	E	0.40	1.21	0.42	1.26	0.42	1.32	0.45	1.37
High Efficiency Clothes Washer	Appliances	SF	G	0.46	0.23	Refrigerators	Appliances	SF	E	0.40	0.73	0.42	0.76	0.42	0.80	0.40	0.83
Refrigerators	Appliances	MF	E	0.28	0.81	NEW - High Efficiency Clothes Dryers (Gas)	Appliances	MH	G	0.18	0.04	0.18	0.04	0.17	0.04	0.16	0.05
Refrigerators	Appliances	MH	F	0.29	1.15	NEW - High Efficiency Clothes Dryers (Gas)	Appliances	SF	G	0.18	0.04	0.18	0.04	0.17	0.04	0.16	0.05
Refrigerators	Appliances	SF	E	0.27	0.70	Faucet Aerator Kitchen	Domestic Hot Water	MH	E	0.50	21.75	0.53	22.80	0.54	23.84	0.58	24.81
Faucet Aerator, Kitchen	Domestic Hot Water	MF	Е	0.32	21.40	Faucet Aerator Kitchen	Domestic Hot Water	SF	E	0.50	26.06	0.53	27.32	0.54	28.57	0.58	29.73
Faucet Aerator, Kitchen	Domestic Hot Water	MH	E	0.32	21.40	Faucet Aerator Kitchen	Domestic Hot Water	MH	G	0.52	9.89	0.56	10.10	0.56	10.30	0.60	10.45
Faucet Aerator, Kitchen	Domestic Hot Water	SF	E	0.32	25.68	Faucet Aerator Kitchen	Domestic Hot Water	SF	G	0.52	11.85	0.55	12.09	0.56	12.33	0.59	12.52
Faucet Aerator, Kitchen	Domestic Hot Water	MF	G	0.32	10.00	Faucet Aerator Lavatory	Domestic Hot Water	MH	E	0.53	8.84	0.56	9.27	0.57	9.69	0.60	10.08
Faucet Aerator, Kitchen	Domestic Hot Water	MH	G	0.32	10.00	Faucet Aerator Lavatory	Domestic Hot Water	SF	E	0.52	10.59	0.55	11.10	0.56	11.61	0.60	12.08
Faucet Aerator, Kitchen	Domestic Hot Water	SF	G	0.32	11.99	Faucet Aerator Lavatory	Domestic Hot Water	MH	G	0.57	4.03	0.61	4.11	0.62	4.19	0.65	4.26
Faucet Aerator, Lavatory	Domestic Hot Water	MF	E	0.32	8.70	Faucet Aerator Lavatory	Domestic Hot Water	SF	G	0.56	4.81	0.60	4.91	0.60	5.01	0.64	5.09
Faucet Aerator, Lavatory	Domestic Hot Water	MH	E	0.32	8.70	Low Flow Showerhead	Domestic Hot Water	MH	E	0.59	3.23	0.63	3.39	0.63	3.54	0.66	3.68
Faucet Aerator, Lavatory	Domestic Hot Water	SF	E	0.32	10.44	Low Flow Showerhead	Domestic Hot Water	SF	E	0.60	2.93	0.64	3.07	0.64	3.21	0.67	3.34
Faucet Aerator, Lavatory	Domestic Hot Water	MF	G	0.33	4.07	Low Flow Showerhead	Domestic Hot Water	MH	G	0.68	1.47	0.74	1.50	0.74	1.53	0.76	1.55
Faucet Aerator, Lavatory	Domestic Hot Water	MH	G	0.33	4.07	Low Flow Showerhead	Domestic Hot Water	SF	G	0.70	1.33	0.76	1.36	0.76	1.38	0.78	1.41
Faucet Aerator, Lavatory	Domestic Hot Water	SF MF	G	0.33	4.87	Water Heater Repair/Replacement	Domestic Hot Water	MH SF	G	0.39	0.44	0.39	0.45	0.38	0.46	0.38	0.47
Low Flow Showerhead	Domestic Hot Water	MF MH	E E	0.33	3.11	Water Heater Repair/Replacement	Domestic Hot Water	SF MH	G E	0.34	0.10	0.32	0.11	0.30	0.11	0.29	0.11
Low Flow Showerhead	Domestic Hot Water	MH SF	E	0.33	3.11 2.78	Tub Diverter W/Shower Valve	Domestic Hot Water	MH SF	E F	0.91	0.42	0.99	0.44	0.98	0.46	0.97	0.48
Low Flow Showerhead	Domestic Hot Water	SF MF	G	0.33	2./8	Tub Diverter W/Shower Valve	Domestic Hot Water	SH MH	G E	0.93	0.39	0.86	0.41	0.99	0.43	0.98	0.45
Low Flow Showerhead	Domestic Hot Water	MH MH	G	0.35				MH	G	0.79	0.78	0.86	0.80	0.86	0.81	0.87	0.83
Low Flow Showerhead Low Flow Showerhead	Domestic Hot Water Domestic Hot Water	MH	G		1.45	Tub Diverter W/Shower Valve Combined Showerhead/TSV	Domestic Hot Water	SH-	E E	0.81	1.87	0.89		0.88	2.04	0.00	
Water Heater Repair/Replacement	Domestic Hot Water	MF	G	0.35	1.30	Combined Showerhead/TSV Combined Showerhead/TSV	Domestic Hot Water Domestic Hot Water	SF	E	0.65	1.67	0.70	1.96 1.75	0.70	1.83	0.72	2.13
Water Heater Repair/Replacement	Domestic Hot Water	MH	G	0.31	0.43	Combined Showerhead/TSV	Domestic Hot Water	MH	G	0.78	0.85	0.72	0.87	0.84	0.88	0.75	0.90
Water Heater Repair/Replacement	Domestic Hot Water	SF	G	0.31	0.10	Combined Showerhead/TSV	Domestic Hot Water	SF	G	0.80	0.76	0.87	0.78	0.86	0.79	0.87	0.80
Tub Diverter W/Shower Valve	Domestic Hot Water	MF	E	0.40	0.40	Heat Pump Water Heater (electric)	Domestic Hot Water	SF	F	0.39	0.74	0.40	0.78	0.40	0.81	0.42	0.85
Tub Diverter W/Shower Valve	Domestic Hot Water	MH	E	0.40	0.40	LED PAR Lamps	Lighting	MH	E	0.17	0.24	0.18	0.25	0.18	0.27	0.19	0.28
Tub Diverter W/Shower Valve	Domestic Hot Water	SF	E	0.40	0.37	LED PAR Lamps	Lighting	SF	E	0.17	0.24	0.18	0.25	0.18	0.27	0.19	0.28
Tub Diverter W/Shower Valve	Domestic Hot Water	ME	G	0.37	0.76	Pool Pump	Miscellaneous	SF	E	0.29	0.55	0.30	0.58	0.31	0.60	0.32	0.62
Tub Diverter W/Shower Valve	Domestic Hot Water	MH	G	0.37	0.76	Smart Strip	Miscellaneous	MH	E	0.41	2.26	0.44	2.42	0.44	2.55	0.47	2.66
Tub Diverter W/Shower Valve	Domestic Hot Water	SF	G	0.37	0.68	Smart Strip	Miscellaneous	SF	E	0.41	2.26	0.44	2.42	0.44	2.55	0.47	2.66
Combined Showerhead/TSV	Domestic Hot Water	MF	E	0.34	1.79	Smart Strip Tier II	Miscellaneous	MH	E	0.37	1.25	0.39	1.33	0.40	1.41	0.42	1.47
Combined Showerhead/TSV	Domestic Hot Water	MH	E	0.34	1.79	Smart Strip Tier II	Miscellaneous	SF	E	0.37	1.25	0.39	1.33	0.40	1.41	0.42	1.47
Combined Showerhead/TSV	Domestic Hot Water	SF	E	0.35	1.60	Thermostatic Shower Valves	Domestic Hot Water	MH	E	0.73	1.17	0.79	1.22	0.78	1.28	0.80	1.33
Combined Showerhead/TSV	Domestic Hot Water	MF	G	0.37	0.83	Thermostatic Shower Valves	Domestic Hot Water	SF	E	0.74	1.09	0.80	1.15	0.79	1.20	0.81	1.25
Combined Showerhead/TSV	Domestic Hot Water	MH	G	0.37	0.83	Thermostatic Shower Valves	Domestic Hot Water	MH	G	0.89	0.53	0.97	0.54	0.95	0.55	0.96	0.56
Combined Showerhead/TSV	Domestic Hot Water	SF	G	0.37	0.75	Thermostatic Shower Valves	Domestic Hot Water	SF	G	0.90	0.50	0.98	0.51	0.97	0.52	0.97	0.52
Heat Pump Water Heater (electric)	Domestic Hot Water	SF	E	0.29	0.71	Water Heater Blanket Bundle with Pipe Insulation	Domestic Hot Water	MH	E	0.41	2.22	0.43	2.30	0.44	2.37	0.47	2.44
LED PAR Lamps	Lighting	MF	E	0.14	0.22	Water Heater Blanket Bundle with Pipe Insulation		MH	G	0.41	2.22	0.43	2.30	0.44	2.37	0.47	2.44
LED PAR Lamps	Lighting	MH	E	0.14	0.22	High Efficiency Clothes Dryer	Appliances	MH	E	0.23	0.10	0.23	0.11	0.23	0.11	0.23	0.12
LED PAR Lamps	Lighting	SF	E	0.14	0.22	High Efficiency Clothes Dryer	Appliances	SF	E	0.24	0.10	0.24	0.11	0.23	0.11	0.23	0.12
LED R/BR	Lighting	MH	E	0.16	0.30												
LED R/BR	Lighting	SF	E	0.16	0.30												
LED A Lamps	Lighting	MF	E	0.16	0.34												
LED A Lamps	Lighting	MH	E	0.16	0.34												
LED A Lamps	Lighting	SF	E	0.16	0.34												
Pool Pump	Miscellaneous	SF MF	E	0.21	0.53												
Smart Strip	Miscellaneous	MF MH	E	0.28	2.11												
Smart Strip Smart Strin	Miscellaneous Miscellaneous	MH SF	E F	0.28	2.11												
Smart Strip Smart Strip Tier II	Miscellaneous Miscellaneous	SF ME	E	0.26	1.16												
Smart Strip Tier II Smart Strip Tier II	Miscellaneous Miscellaneous	MH MH	E F	0.26	1.16												
Smart Strip Tier II	Miscellaneous	SF	E	0.26	1.16												
Thermostatic Shower Valves	Domestic Hot Water	MF	E	0.26	1.12												
Thermostatic Shower Valves Thermostatic Shower Valves	Domestic Hot Water	MH	F	0.36	1.12												
Thermostatic Shower Valves Thermostatic Shower Valves	Domestic Hot Water Domestic Hot Water	MH SF	E	0.36	1.12												
	Domestic Hot Water	MF	G	0.38	0.52												
					0.02												
Thermostatic Shower Valves Thermostatic Shower Valves		MH	G	0.38	0.52												
Thermostatic Shower Valves	Domestic Hot Water	MH SF	G	0.38	0.52												
			G G E	0.38 0.39 0.28	0.52 0.49 2.14												

Energy Savings Assistance Program Cost-Effectiveness - Non Weather Sensitive Measures (PY2022-2026) Table 7

Notes:
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Southern California Edison Company																	
Measure					2022	Measure				2	123	2	124	202	25	2	2026
Single Family, Mobile Homes, and Multifamily In-	Measure Group	Type of Home	Electric or Gas			Single Family and Mobile Homes -	Measure Group	Type of Home	Electric or Gas		_				_		_
unit Installations 1		(SF, MH, MF)	(E,G)	ESACET	Resource Test 2	Installations 3		(SF, MH)	(E,G)	ESACET	Resource Test ²	ESACET	Resource Test ²	ESACET	Resource Test 2	ESACET	Resource Test 2
Attic Insulation	Enclosure	MF	E	0.00	n/a	Attic Insulation	Enclosure	SF	E	0.61	0.29	0.52	0.31	0.58	0.33	0.72	0.35
Attic Insulation	Enclosure	SF	E	0.56	0.27	Central AC Replacement	HVAC	MH	E	0.54	0.22	0.54	0.24	0.58	0.25	0.60	0.27
Central AC Replacement	HVAC	MH	E	0.56	0.21	Central AC Replacement	HVAC	SF	E	0.54	0.22	0.54	0.24	0.58	0.25	0.60	0.27
Central AC Replacement	HVAC	MF	E	0.44	0.02	Central AC Tune Up	Maintenance	MH	E	0.48	0.14	0.48	0.17	0.53	0.19	0.55	0.20
Central AC Replacement	HVAC	SF	E	0.56	0.21	Central AC Tune Up	Maintenance	SF	E	0.49	0.14	0.49	0.17	0.53	0.19	0.56	0.20
Central AC Tune Up	Maintenance	MF	E	0.43	n/a	Central HP Replacement	HVAC	MH	E	0.00	0.00	0.42	0.51	0.46	0.55	0.48	0.59
Central AC Tune Up	Maintenance	MH	E	0.51	0.13	Central HP Replacement	HVAC	SF	E	0.71	0.47	0.75	0.51	0.81	0.55	0.76	0.59
Central AC Tune Up	Maintenance	SF	E	0.51	0.13	Electrical Panel Upgrade	Miscellaneous	SF	E	0.02	n/a	0.02	n/a	0.03	n/a	0.05	n/a
Central HP Replacement	HVAC	MH	E	0.00	n/a	Envelope Air Sealing	Enclosure	MH	E	0.70	0.66	0.80	0.71	0.85	0.76	0.85	0.81
Central HP Replacement	HVAC	MF	E	0.43	0.01	Envelope Air Sealing	Enclosure	SF	E	0.70	0.66	0.79	0.71	0.85	0.76	0.86	0.81
Central HP Replacement	HVAC	SF	E	0.67	0.43	Evaporative Cooler Install	HVAC	MH	E	0.89	0.92	1.01	0.99	1.08	1.06	1.02	1.12
Clothes Washer	Appliance	MF	E	0.48	0.16	Evaporative Cooler Install	HVAC	SF	E	0.89	0.92	1.01	0.99	1.08	1.06	1.02	1.12
Dishwasher	Appliance	MF	E	0.41	0.07	Freezer	Appliance	MH	E	0.71	1.11	0.84	1.20	0.92	1.30	0.92	1.38
Electrical Panel Upgrade	Miscellaneous	SF	E	0.05	n/a	Freezer	Appliance	SF	E	0.72	1.11	0.84	1.20	0.93	1.30	0.93	1.38
Envelope Air Sealing	Enclosure	MF	E	0.30	n/a	HP Clothes Dryer Elect	Appliance	SF	E	0.23	0.17	0.25	0.18	0.26	0.20	0.29	0.21
Envelope Air Sealing	Enclosure	MH	E	0.66	0.61	HP Clothes Dryer Gas	Appliance	SF	E	-0.03	n/a	+0.04	n/a	-0.06	n/a	-0.04	n/a
Envelope Air Sealing	Enclosure	SF	E	0.66	0.61	HP Clothes Dryer Propane	Appliance	SF	E	-0.14	n/a	-0.15	n/a	-0.17	n/a	-0.16	n/a
Evaporative Cooler Install	HVAC	MH	E	0.84	0.87	Inductive Range-Electric Range	Appliance	SF	E	0.24	0.01	0.25	0.01	0.24	0.01	0.32	0.02
Evaporative Cooler Install	HVAC	SF	E	0.84	0.87	Inductive Range-Gas Range	Appliance	SF	E	0.17	n/a	0.18	n/a	0.17	n/a	0.24	n/a
Freezer	Appliance	MH	E	0.66	1.03	Inductive Range-Propane Range	Appliance	SF	E	0.14	n/a	0.15	n/a	0.13	n/a	0.24	n/a
Freezer	Appliance	MF	E	0.66	1.03	Inductive Range-Wood Stove	Appliance	SF	E	0.22	n/a	0.23	n/a	0.21	n/a	0.32	n/a
Freezer	Appliance	SF	E	0.66	1.03	LED Exterior Fixture	Lighting	SF	E	0.32	0.33	0.35	0.35	0.38	0.37	0.38	0.40
HP Clothes Dryer Elect	Appliance	SF	E	0.26	0.16	Other Hot Water	Domestic Hot Water	MH	E	0.24	n/a	0.20	n/a	0.19	n/a	0.25	n/a
HP Clothes Dryer Gas	Appliance	SF	E	0.03	n/a	Other Hot Water	Domestic Hot Water	SF	E	0.24	n/a	0.21	n/a	0.20	n/a	0.26	n/a
HP Clothes Dryer Propane	Appliance	SF	E	-0.07	n/a	Pool Pump	Miscellaneous	SF	E	0.60	0.82	0.69	0.89	0.75	0.95	0.76	1.02
Inductive Range-Electric Range	Appliance	SF	E	0.38	0.01	Refrigerator	Appliance	MH	E	0.76	0.96	0.81	1.04	0.89	1.11	0.92	1.19
Inductive Range-Gas Range	Appliance	SF	E	0.32	n/a	Refrigerator	Appliance	SF	E	0.84	0.96	0.94	1.04	1.02	1.11	1.04	1.19
Inductive Range-Propane Range	Appliance	SF	E	0.29	n/a	Room AC Replacement	HVAC	MH	E	0.67	n/a	0.68	n/a	0.40	n/a	0.39	n/a
Inductive Range-Wood Stove	Appliance	SF	E	0.35	n/a	Room AC Replacement	HVAC	SF	E	0.79	n/a	1.34	n/a	0.43	n/a	0.41	n/a
LED Exterior Fixture	Lighting	SF	E	0.30	0.30	Tank and Pipe Insulation	Domestic Hot Water	MH	E	0.27	n/a	0.29	n/a	0.31	n/a	0.30	n/a
LED T8 UL Type A	Lighting	MF	E	0.25	0.24	Tank and Pipe Insulation	Domestic Hot Water	SF	E	0.23	n/a	0.20	n/a	0.19	n/a	0.26	n/a
Other Hot Water	Domestic Hot Water	MH	E	0.24	n/a			•	•	•	•	•	•		•		
Other Hot Water	Domestic Hot Water	SF	E	0.24	n/a	Ī											
Other Hot Water	Domestic Hot Water	MF	E	0.83	1.24	Ī											
Pool Pump	Miscellaneous	SF	E	0.55	0.76	Ī											
Refrigerator	Appliance	MH	E	0.79	0.89	Ī											
Refrigerator	Appliance	MF	E	0.80	0.94	Ī											
Refrigerator	Appliance	SF	E	0.79	0.89	Ī											
Room AC Replacement	HVAC	MH	E	0.19	n/a	Ī											
Room AC Replacement	HVAC	MF	E	0.43	n/a	Ī											
Room AC Replacement	HVAC	SF	E	0.19	n/a	Ī											
Tank and Pipe Insulation	Domestic Hot Water	MH	E	0.24	n/a	Ī											
Tank and Pipe Insulation	Domestic Hot Water	SF	E	0.24	n/a	İ											
Tank and Pipe Insulation	Domestic Hot Water	MF	E	0.75	0.95	Ī											
rank and Pipe insulation	Domestic not Water	MF	E	U./5	0.95												

Energy Savings Assistance Program Cost-Effectiveness - Non Weather Sensitive Measures (PY2022-2026) Table 7

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Southern California Gas Company		Ī															
Measure					2022	Measure				20	23	20	24	202	5		2026
Single Family, Mobile Homes, and Multifamily In- unit Installations ¹	Measure Group	Type of Home (SF, MH, MF)	Electric or Gas (E,G)	ESACET	Resource Test ²	Single Family and Mobile Homes - Installations ³	Measure Group	Type of Home (SF, MH)	Electric or Gas (E,G)	ESACET	Resource Test ²						
High Efficiency Clothes Washers	Appliances	MF	G	0.73	0.29	High Efficiency Clothes Washers	Appliances	NA	G	NA	NA	NA	NA.	NA	NA.	NA	NA
High Efficiency Clothes Washers	Appliances	MH	G	0.76	0.22	High Efficiency Clothes Washers	Appliances	MH	G	0.83	0.23	0.86	0.24	0.88	0.25	0.91	0.27
High Efficiency Clothes Washers	Appliances	SF	G	0.75	0.24	High Efficiency Clothes Washers	Appliances	SF	G	0.81	0.25	0.84	0.27	0.87	0.28	0.90	0.29
Other Hot Water	Domestic Hot Water	All	G	0.66	0.50	Other Hot Water	Domestic Hot Water	All	G	0.70	0.52	0.72	0.55	0.75	0.58	0.78	0.60
Prescriptive Duct Sealing	HVAC	All	G	0.21	0.28	Prescriptive Duct Sealing	HVAC	All	G	0.21	0.30	0.23	0.32	0.24	0.34	0.25	0.36
Tank and Pipe Insulation	Domestic Hot Water	All	G	0.30	0.72	Tank and Pipe Insulation	Domestic Hot Water	All	G	0.30	0.75	0.31	0.79	0.33	0.83	0.34	0.87
Tub Diverter/ Tub Spout	Domestic Hot Water	All	G	0.66	0.48	Tub Diverter/ Tub Spout	Domestic Hot Water	All	G	0.70	0.50	0.73	0.53	0.76	0.55	0.79	0.58
Thermostatic Shower Valve	Domestic Hot Water	All	G	0.70	0.33	Thermostatic Shower Valve	Domestic Hot Water	All	G	0.76	0.35	0.78	0.37	0.81	0.39	0.84	0.41
Water Heater Repair/Replace	Domestic Hot Water	All	G	0.82	0.09	Water Heater Repair/Replace	Domestic Hot Water	All	G	0.92	0.10	0.95	0.10	0.98	0.11	1.01	0.11
Solar Water Heating	Domestic Hot Water	SF	G	0.18	0.21	Solar Water Heating	Domestic Hot Water	SF	G	0.18	0.22	0.19	0.23	0.20	0.25	0.21	0.26
CO & Smoke Alarms	Maintenance	All	G	0.07	-	CO & Smoke Alarms	Maintenance	All	G	0.07	-	0.07	-	0.07		0.08	-
Comprehensive Home Health Safety Checkup	Maintenance	All	G	0.07	-	Comprehensive Home Health Safety Checkup	Maintenance	All	G	0.07	-	0.07	-	0.07		0.08	-

¹ Multifamily is included for PY2022.

² Formerly known as the Resource TRC, updated per: June 2018 Recommendations of the ESA Cost Effectiveness Working Group.

³ Multifamily is not included for PY2023 - PY2026.

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

AT&T

Albion Power Company

Alta Power Group, LLC Anderson & Poole

Atlas ReFuel BART

Barkovich & Yap, Inc.
California Cotton Ginners & Growers Assn
California Energy Commission

California Hub for Energy Efficiency Financing

California Alternative Energy and Advanced Transportation Financing Authority California Public Utilities Commission Calpine

Cameron-Daniel, P.C.
Casner, Steve
Cenergy Power
Center for Biological Diversity

Chevron Pipeline and Power City of Palo Alto

City of San Jose
Clean Power Research
Coast Economic Consulting
Commercial Energy
Crossborder Energy
Crown Road Energy, LLC
Davis Wright Tremaine LLP
Day Carter Murphy

Dept of General Services Don Pickett & Associates, Inc. Douglass & Liddell East Bay Community Energy Ellison Schneider & Harris LLP Energy Management Service Engineers and Scientists of California

GenOn Energy, Inc. Goodin, MacBride, Squeri, Schlotz & Ritchie Green Power Institute Hanna & Morton

IGS Energy

ICF

International Power Technology Intestate Gas Services, Inc. Kelly Group Ken Bohn Consulting Keyes & Fox LLP Leviton Manufacturing Co., Inc.

Los Angeles County Integrated Waste Management Task Force MRW & Associates Manatt Phelps Phillips Marin Energy Authority McKenzie & Associates

Modesto Irrigation District NLine Energy, Inc. NRG Solar

OnGrid Solar
Pacific Gas and Electric Company
Peninsula Clean Energy

Pioneer Community Energy

Public Advocates Office

Redwood Coast Energy Authority Regulatory & Cogeneration Service, Inc. SCD Energy Solutions San Diego Gas & Electric Company

SPURR

San Francisco Water Power and Sewer Sempra Utilities

Sierra Telephone Company, Inc.
Southern California Edison Company
Southern California Gas Company
Spark Energy
Sun Light & Power
Sunshine Design
Tecogen, Inc.
TerraVerde Renewable Partners
Tiger Natural Gas, Inc.

TransCanada
Utility Cost Management
Utility Power Solutions
Water and Energy Consulting Wellhead
Electric Company
Western Manufactured Housing
Communities Association (WMA)
Yep Energy