

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

<u>PURPOSE</u>

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.⁷ 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

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

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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.¹⁰ 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.¹¹ 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."¹²

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*.

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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 E-mail: <u>PGETariffs@pge.com</u> 4

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: <u>ROrtiz@socalgas.com</u>

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/ Clay Faber

CLAY FABER Director – Regulatory Affairs

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California Public Utilities Commission

ADVICE LETTER SUMMARY



	OF CALL
MUST BE COMPLETED BY UTI	LITY (Attach additional pages as needed)
Company name/CPUC Utility No.: San Diego Ga	as & Electric (U902-M) et.al,
Utility type: ELC 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 PLC = Pipeline HEAT = Heat WATER = Water	(Date Submitted / Received Stamp by CPUC)
Advice Letter (AL) #: 3842-E/3012-G	Tier Designation: 2
Subject of AL: Joint IOU Advice Letter Pursuant 'I Program Design And Delivery Of 'I Keywords (choose from CPUC listing): Complian AL Type: Monthly Quarterly Annue	
	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: $\mathrm{N/A}$
	No ation: railable to appropriate parties who execute a intact information to request nondisclosure agreement/
Resolution required? 🗌 Yes 🖌 No	
Requested effective date: $10/1/21$	No. of tariff sheets: N/A
Estimated system annual revenue effect (%):	
Estimated system average rate effect (%):	
When rates are affected by AL, include attach (residential, small commercial, large C/I, agricu	ment in AL showing average rate effects on customer classes ultural, lighting).
Tariff schedules affected: $_{ m N/A}$	
Service affected and changes proposed $^{\mbox{\tiny 1:}}$ $_{N/{\it I}}$	Δ
Pending advice letters that revise the same tar	iff sheets: 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: <u>EDTariffUnit@cpuc.ca.gov</u>	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 CA. Public Avocates (CalPA) R. Pocta F. Oh Energy Division M. Ghadessi M. Salinas L. Tan R. Ciupagea K. Navis Tariff Unit CA Energy Commission B. Penning B. Helft Advantage Energy C. Farrell Alcantar & Kahl LLP M. Cade K. Harteloo AT&T Regulatory Barkovich & Yap, Inc. B. Barkovich Biofuels Energy, LLC K. Frisbie Braun & Blaising, P.C. S. Blaising D. Griffiths Buchalter K. Cameron M. Alcantar CA Dept. of General Services H. Nanjo California Energy Markets General California Farm Bureau Federation K. Mills California Wind Energy N. Rader Cameron-Daniel, P.C. General City of Poway Poway City Hall City of San Diego L. Azar J. Cha D. Heard F. Ortlieb H. Werner M. Rahman

Clean Energy Renewable Fuels, LLC P. DeVille Clean Power Research T. Schmid G. Novotny **Commercial Energy** J. Martin regulatory@commercialenergy.net Davis Wright Tremaine LLP J. Pau **Douglass & Liddell** D. Douglass D. Liddell Ellison Schneider Harris & Donlan LLP E. Janssen C. Kappel Energy Policy Initiatives Center (USD) S. Anders Energy Regulatory Solutions Consultants L. Medina Energy Strategies, Inc. K. Campbell EQ Research General Goodin, MacBride, Squeri, & Day LLP B. Cragg J. Squeri Green Charge K. Lucas Hanna and Morton LLP N. Pedersen JBS Energy J. Nahigian Keyes & Fox, LLP B. Elder Manatt, Phelps & Phillips LLP D. Huard R. Keen McKenna, Long & Aldridge LLP J. Leslie Morrison & Foerster LLP P. Hanschen MRW & Associates LLC General NLine Energy M. Swindle

NRG Energy D. Fellman Pacific Gas & Electric Co. M. Lawson M. Huffman Tariff Unit **RTO Advisors** S. Mara SCD Energy Solutions P. Muller SD Community Power L. Fernandez Shute, Mihaly & Weinberger LLP O. Armi Solar Turbines C. Frank SPURR M. Rochman Southern California Edison Co. K. Gansecki TerraVerde Renewable Partners LLC F. Lee TURN M. Hawiger UCAN D. Kelly US Dept. of the Navy K. Davoodi **US General Services Administration** D. Bogni Valley Center Municipal Water Distr G. Broomell Western Manufactured Housing **Communities Association** S. Dey Copies to AddisScott9@aol.com ckingaei@yahoo.com clower@earthlink.net hpayne3@gmail.com puainc@yahoo.com Service List A.19-11-003

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APPENDIX A

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

			PG&E								80	DG&E						SCE							SoCalGas				Basic IOU Plus IOU Alignment Alignment	Reason for Differences
Measure	Proposed Tier	Is Self Certification?	Special Segment *	Climate Zone (CZ)	Single Family (SF	Multifamily (ME)	Mobile Home (MH)	Avail. To Renters	Proposed Tier	Is Self Certification?	Special Segment *	cz	SF MF	MH Avail. To Renters	Proposed Tier	Is Self Certification?	Special Segment *	cz	SF	MF MH	Avail. To Renters	Proposed Tier	Is Self Certification?	Special Semment	cz	SF	MF	MH Avail. To Benters		
Faucet Aerators	Basic	Y	NA	All CZ	v	4	4	4	Basic	Y	NA	AI CZ	4 4	4 4	Basic	Y	NIA	All CZ – Electric Water	4	4 4	1	Basic	Y	NA	AI CZ	4	4	4 4	v	
Low-Row Showerhead or Combined Showerhead TSV	Basic	Y	NA	AII CZ	4	4	4	4	Basic	Y	NA	AI CZ	4 4	4 4	Basic	Y	NA	Heating All CZ – Electric Water	4	4 4	d.	Basic	Y	NA	AI CZ	4	4	4 4	v	
Thermostatic Shower Valve	Basic	Y	NA	All CZ	4	4	4	4	Basic	Y	NA	All CZ	4	4 4	Basic	Y	NA	Al CZ – Electric	4	4	d.	Basic	Y	NA	AI CZ	4	4	4 4	4	
Thermostatic Tub Spout/Diverter	Basic	Y	NA	AII CZ	4	4	4	4	Basic	Y	NA	All CZ	4	4 4								Basic	Y	NA	AI CZ	4	4	4 4	Ń	Gas utility measure only.
LED A-lamp Bulbs	Basic	Y	NA	ALCZ	4	4	4	4	Basic	Y	NA	All CZ	4	4 4	Basic	Y	NA	AII CZ	4	4 4	v								v	Electric utility measure only.
LED Reflector Bubs	Basic	Y	NA	All CZ	4	4	4	4	Basic	Y	NA	AI CZ	4 4	4 4	Basic	Y	NA	AI CZ	4	4 4	Ń								v	Electric utility measure only. Exercise utility measure only. As part of the cost effectiveness measure review ordered in the Decision, Attachment 3, SDG&E has selected to remove this measure in 2023. SDG&E will nevealuate this measure as part of the ESA Working Group to determine if reintroduction of this measure is warranted.
Power Strips ¹	Basic	Y	NA	AII CZ	4	4	4	4	Basic	Y	NA	AII CZ	4 4	4 4	Basic	Y	NA	AI CZ	4	4	1								v	Electric utility measure only.
Exterior Hard Wired LED Fistures	Plus	N	NA	All CZ	٨	Ń	ų	v							Basic	N	NIA.	AI CZ	V		ų									SEE program dissign includes this measure as part of their basic packages with regards catatimers to reach savings levels prior to quality for measures in the Plan package. The IOUs program design and measure wave approved in C1-405150 F9 83. And part of the seatchwork 3, 5004E has selected to wrone this measure. Electric utility measure only.
Refrigerators	Plus	N	NA	AII CZ	d.	v	4	v	Plus	N	NA	AI CZ	4 4	4 4	Basic	N	NA	All CZ	v	4 4	ų									SCE program design includes this measure as part of their basic packages which requires customers to reach savings levels prior to qualitying for measures in the PLap package. The IOL program design and measure mix was approved in D.21-06-015. Electric utility measure only.
Smart Thermostat	Plus	N	NA	AII CZ	4	4	4	d.	Basic	N	HEU	AI CZ	a a	4 4	Basic	N	NA	AI CZ	v	4 4	4	Plus	N	NA	AI CZ	4	4	4 4		SDG&E and SCE program design included smart thermostate as part of their basic packages to either 1) reach savings requirements included as part of program design, or 2) provide measures which provide interact to customers and help increase engagement. The IOLIs program design and measure mix was approved in D.21-06- net.
New - Air Purifiers	Plus	N	MBL and DAC/Tribal	AII CZ	4	N	d.	d.	Plus	N	MBL and DAC/CARB	AII CZ	4 4	4 4																P03E and SDG&E included this measure as part of the program design for customers in special segments. SoCaldas and SCE did not propose this measure. The VOUs 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	AII CZ	4	4	4	4	Plus	N	Medial Baseline	Climate Zones 10, 14, 15	4	4 4	Plus	N	HEU	CZ 13, 14, 15	4	4	Ń								4	Electric utility measure only.
New - Diagnostic Air Sealing	Plus	N	HEU	All CZ	4	d.	4	4																						PO3E included this measure as part of the program design for customers in special segments. SDO3E, SCE and BoCalQas did not propose this measure. The IOUr program design and measure mic was accounted in D.21-08-015.
Cold Storage	Plus	N	High Wildfire Threat Zone	AILCZ	4	4	4	4																						The inclusion sections D-2116-015-0164 in Design in Design in the instance inclusion and approximately and the instance in the instance POSE involved the instance and paint of the program design for customers in special segments. SDG&E, SCE and SoCal/Das did not propose this measure. The IOUs program design and measure mix was approach in D-21-06-05.
New - Comprehensive Home Health and Safety Check-up ²																						Plus	N	NA	AI CZ	ų	~	v		The way accessed in 0.21-06-015. SoCalQas included this measure as part of the program design. PQ&E, SDQ&E, and SCE did not propose this measure. The IOUs program design and measure mix was approved in D.21-08-015.
New Central Heat Pump - FS (Propane or Gas base)															Plus	N	HEU	CZ 13, 14, 15	v	4 4	v									SCE included this measure as part of the program design for customers in special segments. PO&E, SDO&E, and SoCaXOas dd not propose this measure. The IOUs program design and measure mix was approved in D.21-08-015.
New - CO & Smoke Alarma	Plus	N	Al	AII CZ	v	v	ų	v														Plus	N	NA	AI CZ	d.	Ŷ	4 4		SoCalQes included this new massure as part of the program design. PQ&E and SDQAE include massure as a part of its mixer home repair offer. SCE did not propose this massure. The IOUs program design and massure mix was approved in D.21-06-015.
New - Solar Water Heating																						Plus	Ν	HEU	AI CZ	4	4	4 4		SeCalGas inclused this new measure as part of the program design. PO&E, SDO&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	Piza	N	NA	4, 11, 12, 13, 14, 16	4	ų	ų	V	Plus	N	NA	CZ 10, 14, 15	4	4																SDGAE included this new measure as part of the program design. PGAE elected to adopt this measure and included if in this joint compliance addes later, as allowed in CP 59, 35CGAE included these autions given as part of MHPK and SCE for propose this part of MHPK and SCE and program the second second second second IODs program design and measure no was approved in D.21-06- 015.
New - Clothes Dryars									Plus	N	NA	AI CZ	4	4																As part of its overall measure evolution, EDGAE added electric dryws to compliment its gas dryw offering and has included both measures in this pirit compliance advices altern, as allowed in CP 93. groups to determine 1: increased in this measure. The ICGAE SCE and SCE/AGAE add not propose this measure. The ICGAE program design and measure mix was approved in D.21-08-015.
New - Dishwasher															Plus	N	HEU	AII CZ	d.	4 4	ų									SCE included this new massure as part of the program design. PO&E: SDO&E and SoCaldias 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	v	d.	ų									SCE induded this new massure as part of the program design. PO&E, SDO&E and SoCaldias did not propose this measure. The IOUs program design and measure mix was approved in D.21-06- 015.
Freezers	Plus	N	NA	AII CZ	×	v	d.	v							Plus	N	HEU	AII CZ	4	d d	d.									SCE included this measure as part of the program design. POLE elected to adopt this measure and included I in this joint compliance ladvice letter, as allowed in OP 50. SDGAE and SoCuRGae did not propose this measure. The ICULE program design and measure mix was approved in D.21-06-015.
Furnace Clean & Tune																						Plus	N	NA	AI CZ	4	V	4 4		SoCalQas included this new massure as part of the program design. PQ&E and SOC 8Id not propose this measure, while SDO.8E requested removal of this measures. The IOUs program design and massure mix was approved in D.21-06-015.

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.

Note: The IOUs' 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.'

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

Joint IOU Compliance Filing Advice Letter

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

Note: The IOUs' 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

Joint IOU Compliance Filing Advice Letter

			PG&E		1					s	JUAC						SUE			_			1	socaldas	,			Alignment	Alignment	Reason for Differences
Measure	Proposed Tier	Is Self Certification?	Special Segment 4	Climate Zone (CZ)	Single Multifan Family (SF) (MF)	ily Mobile Home (MH,	Avail. To P Renters P	voposed Tier	Is Self Certification?	Special Segment *	cz	SF	MF MH Avail. To Renters	Prop	osed er Is Self Certification?	Special Segment *	cz	SF M	ғ мн	Avail. To Renters	Proposed Tier	Is Self Certification?	Special Segment	cz	SF	MF	MH Avail To Renters			
Gas Furnace Repair/Replace ³	Plus	N	NA	AI CZ	4 4	4		Plus	N	NA	AI CZ	N	4 4								Plus	N	NA	AI CZ	4	4	4		Ń	Gas utility measure only
HE-FAU Repair/Replace ⁴	Plus	N	NA	AII CZ	4 4	4															Plus	N	NA	AI CZ	4	4	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-
Room A/C Replacement								Plus	N	NA	CZ 10	ų	4 4 4	Pi	ai N	HEU	CZ 10, 13, 14, 15	v ,	. 4	ų										05-015. Gas utility measure only. Electric utility measure only. PO&E has selected to remove this measure. PO&E will reevaluate this measure a 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							р	zi N	HEU	CZ 13, 14, 15	v v	4	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- 06.015. Electric utility measure roly.
Central Heat Pump Replacement	Plus	N	NA	11, 12, 13, 14	d d	d.								р	as N	HEU	CZ 13, 14, 15	4 4	×	d										SDO&E did not include this measure as part of its program design. The IOUs program design and measure mix was approved in D.21- 06-015. Electric utility measure only.
Efficient Fan Controller								Plus	N	NA	All CZ Electric Heated Home	ų	v	р	aš N	HEU	AII CZ	v v	4	ų										POLE: SDOAE and SCE included this measure as part of their program disaips. The IOLIs program disaips and measure miniv approved in D.21-66-05. A part of the cost effectiveness measure aniveline ordered in Debicion, Ruthernie J.7 RSE has selected reasons the measure. POLE will revealuate this measure as part of the ESN working group to determine if withoduction of the measure is warranted.
Evaporative Cooler														р	zis N	HEU	CZ 10, 13, 14, 15, 16	ú	4	ų										POLE and SCE linkshold this measure so part of their program below, The IDUs program design and measure mix was approach in 0.21-60-015 DF 50. As part of the cost effectiveness measure working of the Disclosify Robinson F. TARE has selected reasons this measure. FASE will revealable this measure as part of the measure of the measure. FASE will revealable this measure as part of the warranted.
Duct Sealing								Plus	N	NA	All C2 Electric Heated	4	Ń																	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	Pus	N	NA	All CZ	4	4	4				Harra										Plus	N	NA	AI CZ	4		v v			requirements. POBE and SCalGas included this measure as part of their program design. SDG&E and SCE did not include this measure. IOUs program design and measure mix was approved in D.21-06-015 OP 59.
Central A/C Tune-up/Services	Plus	N	NA	CZ 2, 4, 6, 11, 12, 13, 14, 16	4 4	4	- 4							рі	zi N	HEU	AII CZ	4 9	- v	N.										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- 06-015
Ervelope/Air Sealing Measures	Plus	N	NA	AII CZ	4	4	4	Plus	N	NA	AI CZ	4	4 4 4	Р	zi N	HEU	All CZ Electric Heated	× ,	4	4	Plus	N	NA	AII CZ	4	4	4		4	
Attic Insulation	Pizs	N	NA	AILCZ	4 4		4	Plus	N	NA	Al CZ Electric	d.	4	Р	zis N	HEU	All CZ – Electric Heated Home	4 1		v	Plus	N	NA	AI CZ	Ń	4	4		4	
Minor Home Repairs ⁶	Plus	N	NA	AII CZ	4 4	4	4	Plus	N	NA	AI CZ	4	4 4 4	р	as N	HEU	Al CZ – Electric Heated	v ,	4	4	Plus	N	NA	All CZ	4	4	4		4	
Water Heater Repair/Replacement	Plus	N	NA	All CZ	4 4	4		Plus	N	NA	AI CZ	N	4				Hume				Plus	N	NA	All CZ	4	4	4		4	Gas utility measure only
Heat Pump Water Heater	Pius	N	NA	AII CZ	4 4	d.	4	Plus	N	NA	AI CZ	d.	4 4	Pi	zi N	HEU	All CZ – E2E and FS	v v	, A	V									Ń	Electric utility measure only.
Water Heater Blanket	Plus	N	NA	All CZ	4 4	d.	d.	Plus	N	NA	AI CZ		4 4	Р	as N	HEU	All CZ – Electric Water Heating	4 4	, d	v	Plus	N	NA	AI CZ	d.	4	4 4		d.	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 effer this measure for the specified segment.
Water Heater Pipe Insulation	Plus	N	NA	AII CZ	4 4	4	4	Plus	N	NA	AI CZ		4 4	Р	as N	HEU	All CZ – Electric Water	4 · ·	4	4	Plus	N	NA	AII CZ	4	4	4		d.	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
High Efficiency Clothes Washer	Plus	N	NA	AII CZ	4	4	4	Plus	N	NA	AI CZ	4	4 4 4	Р	zi N	HEU	All CZ	4 4	4	4	Plus	N	NA	AI CZ	4	4	4 4		d.	this measure for the specified segment.
Pool Pumps	Plus	N	NA	AII CZ	4		4	Plus	N	NA	AI CZ	d.	v	Р	zi N	HEU	AI CZ	4		4									4	Electric utility measure only.
Generators																														BOGAE's program dastign included this measure as part of to initial pergram basign for program years 2005 and 2008. BOCAE's dasign was approved in D.21-66-015. As part of the cost effectiveness measure review creation in the Decision. Alternative 13: SOEAE's measure and the second the measure as DOEAE's measurement of methods by provide the Decision. Another as a source measure as methods. The Decision of the measure is warranted.
In Hame Displays																														SDGAE's program design included this measure as part of its initial program design for program years. SDGAE's design was approved to 32:r64055. As part of the cost effectiveness measure exees memore the measure. SDGAE will receive the measure so part of the ESA Working Group to determine if initianduation of this measure is warranted.
Interior Lighting Flatures																														SOGAE's program design included this measure as part of is visite program design approved in D.21-08-015. As part of the cost effectiveness measure review ordered in the Dictionic Residence 3 reviews the the measure is part of the EX Working (Oracing to determine if reimoduction of this measure is warranted.

SCE

Basic IOU Alignment Plus IOU Alignment Reason for Differences

SoCalGas

¹ Prover Drigs, PQE to other The T Elustoch menabolic direct states and sta

SDG&E

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	TOAL	SDOAL	002	Socaldas
AC Brushless Fan Motor replacement		V		1
AC Diagnostic, Repair and Tune-Up		N	1	
Air Conditioner		V	<u></u>	
Air Conditioners Split System		v	v	
Room AC Replacement	v		V	
Efficient Fan Controller				
Evaporative Cooler Install			V	
Furnace Clean and Tune				√
Furnace Repair		V	V	√
Furnace Replacement ¹	V	V	√	1
High Efficiency Furnace Replacement ²	•			1
	V	V	V	, ,
Heat Pump Split System	v	v	۰ ۱	
Portable A/C			V	
Package Terminal A/C Package Terminal Heat Pump	v V			
Smart Thermostat	v √	V	1	1
Space Heating Boiler	v v	,	,	1
Window Evap Cooler	,	V		,
Envelope				
Attic Insulation	√	V	1	1
	v	V	v	, ,
Duct Sealing		v		√
Prescriptive Duct Sealing			al	√ √
Envelope Air Sealing		V	√ √	v v
Pipe Insulation			N	v
Replace Air Filter		<u>ا</u>	1	1
Tank Insulation Wall Insulation		√ √	\checkmark	√
Window Film	v V	√ √		
Windows	V			
Water Heating				
Boiler Controls		√		
Central Boiler		√		\checkmark
Demand Control DHW Recirculation Pump				
Faucet Aerator	V	√		√
Heat Pump Water Heater	V		1	
Low flow Showerhead	V	V	1	√
Solar Water Heating				√
Storage Water Heater	V			
Tankless Water Heater	V	V		
Thermostatic Shower Valve				√
Tub Diverter/ Tub Spout				√
Water Heater	V	V		,
Water Heater Repair/Replace	,	,		V
Lighting Measures				· ·
Exterior TLED Lamps	√			
Interior Integrated LED Retrofit Kits	v	V		
Interior TLED Lamps		√ √		
Landscape Lighting	v	Y	V	
	-	V	<u>م</u>	
		√ √	۷	
LED BR-R Lamps		√ √		
LED Candelabra Lamps	al.	N		
LED Ceiling, Vanity, or Sconce Fixtures	V		1	
LED Diffuse A-Lamp			\checkmark	

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	\checkmark	V	\checkmark	
LED Exterior Wall or Pole Mounted Fixture	\checkmark	\checkmark	\checkmark	
LED Globe Lamps	\checkmark			
LED Interior Luminaire		\checkmark		
LED Linear Ambient Fixtures	\checkmark			
LED Non Linear Interior Retrofit		\checkmark		
LED Outdoor Fuel Pump Canopy Fixture		\checkmark		
LED PAR Lamps	\checkmark			
LED Parking Garage Fixtures	\checkmark	√		
LED Pendant, Track or Accent Fixtures	\checkmark			
LED PL Type Lamp	\checkmark		\checkmark	
LED Recessed Downlight Retrofit Kits	\checkmark			
LED Recessed Troffers and Retrofit Kits	\checkmark			
LED Retrofit Kits		\checkmark		
LED Reflector Lamp			\checkmark	
LED Screw-in	\checkmark	\checkmark		
LED Strip Fixture		\checkmark		
LED Wrap Around Fixture		√		
Occupancy Sensor	\checkmark			
Plug-in LED lamps	\checkmark		\checkmark	
LED T8 Lamp	\checkmark		\checkmark	
Appliances				
High Efficiency Clothes Washer	\checkmark	\checkmark	\checkmark	\checkmark
Dishwasher			\checkmark	
Food Service - Combination Oven		√		
Food Service - Convection Oven		√		
Food Service - Griddle		√		
Freezer			\checkmark	
Refrigerator	\checkmark	√	\checkmark	
Miscellaneous				
CO & Smoke Alarms				\checkmark
Pool Light LED		V		
Tier-2 Smart strip Power Strip	\checkmark	V	\checkmark	
Variable speed pool pump	V	\checkmark	\checkmark	
¹ SoCalGas measures to replace WE/FALL are o			D	

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 Pro	jections			PY 2023 Pr	ojections			PY 2024 Pr	ojections			PY 2025 Pro	jections			PY 2026 P	ojections	
Energy Savings Assistance Main Program (Single Family and Mobile Homes)	PG&E	PG&E SDG&E SCE SoCalGas PG				SDG&E	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas	PG&E	SDG&E	SCE	SoCalGas
			1		1	1			1		1		1	1		1				1
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
		Ť																		
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																				

¹ Autoristic budget from D 21-06-015, Administer 1, Tables 8-11: stable show in "EE (A/' Inc. ² Excluses SPOC costs for al allifes. ³ Scholafise Autorizational Budget from Altisochement 1 Table 10 of D 21-06-01 Sis 521.600, BB for EE AMF (B), MF In-Unit Budget Is derived from subtracting the MF CAM Budget from this total. ⁴ Scholafise Autorizational Budget from Altisochement 1 Tables 10 of D 21-06-01 Sis 521.600, BB for EE AMF (B), MF In-Unit Teatments to total Instantents in Its Low Income Application.

¹SDGAE Advice Letter 3820-EX004-6 filed August 2, 2021 reflects It proposed MF CAM budget in the amount of \$1,600,005 for PY2022 and SDGAE plans to supplement the approved budget of \$5,000,624 for any potential budget aborefial. At the end of the 2021 brdge particle, SDGAE deal approximately SF million in usaget and uncommitted WF CAM to bus due supplement the abaya approved budget role with 1 all Attachment 1 d 201-06-15. "For PGAE. If the numbers for 2022 (Cardis E): Extintanties catalisation FORS AL 14 PGA deal and the supplement Te abarbaya approved budget role with a supplement to be supplement the abaya approved budget role with a supplement the abaya approved budget role with a supplement the abaya approved budget role with a supplement the abaya approved budget role approved budget role with a supplement the abaya approved budget role approved budget role budg

¹ For PG&E WF CAM Authorized Budget (Cell B31): PG&E Advice Letter 4472-G18279-E fled August 2, 2021 reflects its proposed MF CAM teatment 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 LIWP, 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)¹ Table 3

Segments	Consistent Across IOUs		Not Consistent Across IOUs
Demographic	Definitions	Methodologies (Source for Tracking and Reporting)	Definitions
Housing Turo	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 Could be and Urban Development code (Sec. 3280) and built on a trialer chasis 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.	
Housing Type		boulde non daily 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 CD.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.	PG&E definition is age 60 years plus. (ESA - utility internal use)
Senior		At this time, all the utilities may not currently request, track or report this data. At this time, the utilities do not currently	SDG&E definition is age 62 years or older. (ESA - utility internal use) SCE and SoCalGas definition is based on CPUC term *elderly" 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.	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.	
Vulnerable	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 inthe 25% highest Scoring Collucion Burden within CaliEnviroScreen, but do not receive an overall CaliEnviroScreen score due to unreliable public health and socioeconomic data, and census tracts with median household incomes less than 60% of state median income. Decision 20-08-046 at p.12-13 dated August 27, 2020. (Decision on Energy Uility Climate Change Vulnerability Assessments and Climate Adaption in Disadvantaged Communities (Phae 31). Topics 4 and 5))	At this time, the utilities do not currently request, track or report this data. Therefore, there is no methodology for identifying this segment.	
Financial			
CARE	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).	Source from utility customer information systems.	
Disconnected	As approved by the CPUC for the utility specific tariffs.	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) SOG&E and SoCalGas defines arrearages as overdue balance greater than 30 days. (Disconnections D.18-12-013). SOE defines arrearages as overdue balances greater than 20 days.
High Usage		Source from utility customer information systems.	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. (Jer D 21-06-015). Gas: SoCalGas - Customers above 200% baseline quantity usage 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.v - dated 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			
	Disadvantaged communities refers to the areas throughout California which most suffer from a combination of economic, health, and environmental burdens. These burdens include poverty, high unemployment, air and water pollution, presence of hazardous wastes as well as high incidence of asthrma and heart disease. One way that the state identifies these areas is by collecting and analyzing information from communities all over the state. CalErwickGreen, an analysical tool created by the California Ervitoromental 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 CalErwiroScreen map's search box here to see if it is considered a disadvantaged community in this contex. https://obha.a.gov/calenviroscreen/sb353 (Pursuant to Section 39711 of the Health and Safety Code, the California Ervironmental Protection Agency (CalEPA) developed a means for identifying disadvantaged communities. See 1.018-05-041 p. 39.)	Source from utility customer information systems.	
DAC	The Goldsmith definition is used to detailing usadvanlaged commanises. Gold Sci 000041 pc 303/ The Goldsmith definition is used to detamine 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	Source from utility customer information	
Rural	eligibility update filed February 12 of each year (D.21-06-015)).	systems.	
Tribal	Native Americans residing on Federally recognized Tribal land within the IOUs service territory. D.17-12-009 at page 185 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	Source from utility customer information systems.	
Climate Zone	Materials, depend of the specific unitate sche that the building is located in . Climate sche steretenced, are developed by the CEC, and may be located and are updated regulary. (Derived from Statewide Energy Savings Assistance Program 2017-2020 Cycle P&P Manual p. 34 and p. 54)	Source from utility customer information systems.	
CARB Community	Neighborhoods that have been identified by the California Air Resources Board (CARB) Community Air Protection Program, where they overlap with existing IOU DAC zip codes, as identified by Cal Enviro Screen 3.0 as being one of the 20% most disadvantaged census tracts in IOUs territory.	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 fail in certain weather conditions to reduce the likelihood that their infrastructure could cause or contribute to a widfire. (D.20-05-051 be-Energization)	The ESA Program does not track or report this data.	SoCalGas: Not Applicable
High Fire Threat District (also known as Wildfire Zone) Health Condition	High Fire Threat District means those areas comprised of the following: (1) Zone 1 is Ter 1 of the latest version of the United States Forest Service and CAL FIRE's joint map of Tree Mortality High Hazard 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.	
Medical Baseline	Customers who are enrolled in the IOUs Medical Baseline Allowance program. (Utility specific tariff)	Source from utility customer information systems.	
Respiratory	Costonees and and endowed in the roos module baseline relations program. (dainy specific tami) The utilities do not have definition for this segment.	The utilities does not have a methodology for identifying this segment.	
Disabled	ESA customers that self identify as having a disability. (D.12-08-044)	Data is captured on ESA enrollment application	

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		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		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		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	1 ·	101-199% of Baseline Therms during the winter season	≥ 200% of Baseline Therms during the	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.

-- 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.

(Single Fan	ESA Main Program hily, Mobile Homes, MF in-unit) ttions for Housing Types ¹ Ratio Of Program Benefits		PY 2022	Projections	
	over Program Costs	PG&E	SDG&E	SCE	SoCalGas
	ESACET	0.49	0.28	0.72	0.33
р а	Resource Test ²	0.50	0.47	0.94	0.28
jat	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

	ESA Main Program le Family and Mobile Homes) nstallations for Housing Types ¹				PY 2023	3 Projectio	ns		PY 2024 I	Projections	5		PY 2025	Projection	IS		PY 2026	Projection	15
	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
	ESACET			0.54	0.36	0.71	0.35	0.54	0.37	0.80	0.37	0.58	0.35	0.86	0.38	0.57	0.35	0.89	0.39
ted	Resource Test ²			0.52	0.37	0.96	0.29	0.55	0.38	1.02	0.31	0.59	0.35	1.09	0.32	0.63	0.35	1.17	0.34
stimat	TRC ³ 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
Est	RIM 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
				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: -- 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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Pacific Gas and Electric Company																			
					2	022			Type of Home	Electric or Gas	Climate Zone		2023		2024		2025	2	026
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	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													
Smart Thermostat	HVAC	SF, MH	E	All	1.54	1.40	1												
Smart Thermostat	HVAC	SF, MH	G	All	1.54	1.40													
Smart Thermostat	HVAC	MF	E	All	1.54	1.40													
Smart Thermostat	HVAC	MF	G	All	1.54	1.40	1												

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.

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San Diego Gas & Electric Compan	v	1																	
Measure						2022	Measure		Type of Home	Electric or Gas	Climate Zone		2023		2024		2025	2	2026
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	incustre oroup	(SF, MH)	(E,G)	(Number)	ESACET	Resource Test ²	Installations ³	measure or oup				ESACET	Resource Test ²						
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	E	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	E	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	E	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	E	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													

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

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Southern California Edison Comp	any																		
Measure					2	022	Measure		Type of Home	Electric or Gas	Climate Zone		2023		2024		2025	20	026
Single Family, Mobile Homes, and	Measure Group	Type of Home	Electric or Gas	Climate Zone			Single Family and Mobile Homes -	Measure Group	(SF, MH)	(E,G)	(Number)								
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 2
Air Filter Replacement	Maintenance Maintenance	MH	E	6	0.45	0.04	Air Filter Replacement	Maintenance Maintenance	MH	E	(0.45	0.04	0.46	0.05	0.47	0.05	0.50	0.06
Air Filter Replacement Air Filter Replacement	Maintenance	MH	E	8	0.46	0.05	Air Filter Replacement Air Filter Replacement	Maintenance	MH	F	8	3 0.45 0.46	0.05	0.47	0.06	0.48	0.07	0.51	0.08
Air Filter Replacement	Maintenance	MH	E	10	0.47	0.08	Air Filter Replacement	Maintenance	MH	E	10	0.40	0.08	0.48	0.09	0.49	0.08	0.55	0.03
Air Filter Replacement	Maintenance	MH	E	13	0.48	0.08	Air Filter Replacement	Maintenance	MH	E	1:		0.06	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	4 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	Maintenance	MH	E	15	5 0.55	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	Maintenance	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	8	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	5	0.46	0.06	0.48	0.07	0.49	0.08	0.52	0.09
Air Filter Replacement	Maintenance	MF	E	10	0.48	0.08	Air Filter Replacement	Maintenance	SF	E	10		0.08	0.50	0.09	0.51	0.11	0.54	0.13
Air Filter Replacement	Maintenance Maintenance	MF	E	13	0.48	0.08	Air Filter Replacement	Maintenance Maintenance	SF	E	10	3 0.48 4 0.48	0.08	0.50	0.10	0.52	0.11	0.55	0.13
Air Filter Replacement Air Filter Replacement	Maintenance Maintenance	MF	E	14	0.49	0.09		Maintenance	SF or	E	14		0.09	0.51	0.11	0.53	0.13	0.56	0.15
Air Filter Replacement	Maintenance	MF	E	15	0.55	0.03	Air Filter Replacement	Maintenance	SF	E	16		0.19	0.59	0.03	0.63	0.26	0.67	0.04
Air Filter Replacement	Maintenance	SF	E	6	0.45	0.04	Attic Insul CAC NonElect Heat	Enclosure	SE	E	10		0.45	0.73	0.47	0.76	0.50	0.40	0.53
Air Filter Replacement	Maintenance	SF	E	8	0.46	0.05	Attic Insul CAC NonElect Heat	Enclosure	SF	E	1:		0.39	0.69	0.42	0.73	0.44	0.68	0.47
Air Filter Replacement	Maintenance	SF	E	9	0.47	0.06	Attic Insul CAC NonElect Heat	Enclosure	SF	E	14	4 0.70	0.52	0.77	0.56	0.82	0.59	0.77	0.62
Air Filter Replacement	Maintenance	SF	E	10	0.48	0.08	Attic Insul CAC NonElect Heat	Enclosure	SF	E	15	5 0.63	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	Enclosure	SF	E	16	6 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	HVAC	MH	E	10		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	HVAC	MH	E	14	· 0.02	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	10	3 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	HVAC	SF	E	14		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 Attic Insul CAC NonElect Heat	Enclosure Enclosure	MF	E	14	0.65	0.44	Central HP - CAC Gas	HVAC	SF	E	15	5 0.46	0.36	0.48	0.38	0.52	0.41	0.54	0.43
Attic Insul CAC NonElect Heat Attic Insul CAC NonElect Heat	Enclosure Enclosure	MF	E	15	0.63	0.42	Central HP - CAC Propane Central HP - CAC Propane	HVAC HVAC	MH	E	1:		n/a n/a	0.54	n/a n/a	0.63 2.75	n/a n/a	2.10	n/a n/a
Attic Insul CAC NonElect Heat Attic Insul CAC NonElect Heat	Enclosure	SF	E	16	0.63	0.40	Central HP - CAC Propane Central HP - CAC Propane	HVAC	SF	E	14		n/a n/a	0.16	n/a n/a	0.15	n/a n/a	0.15	n/a n/a
Attic Insul CAC NonElect Heat	Enclosure	SF	E	13	0.61	0.37	Central HP - CAC Propane	HVAC	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	HVAC	MH	E	16		0.45	5.41	0.49	6.27	0.53	4.75	0.57
Attic Insul CAC NonElect Heat	Enclosure	SF	E	15	0.61	0.36	Central HP - CAC Propane	HVAC	SF	E	15		0.12	0.30	0.13	0.32	0.14	0.34	0.15
Attic Insul CAC NonElect Heat	Enclosure	SF	E	16	0.66	0.47	Clothes Washer	Appliance	MH	E	All	0.44	0.13	0.44	0.14	0.45	0.15	0.52	0.16
Central HP - CAC Gas	HVAC	MH	E	13	0.66	n/a	Clothes Washer	Appliance	SF	E	All	0.46	0.14	0.44	0.15	0.44	0.16	0.51	0.17
Central HP - CAC Gas	HVAC	MH	E	14	0.67	n/a	Condenser Coil Cleaning	Maintenance	MH	E		0.45	0.04	0.46	0.04	0.47	0.05	0.50	0.06
Central HP - CAC Gas	HVAC	MF	E	13	0.71	n/a	Condenser Coil Cleaning	Maintenance	MH	E	8	3 0.46	0.06	0.48	0.07	0.49	0.08	0.52	0.10
Central HP - CAC Gas	HVAC	MF	E	14	0.67	n/a	Condenser Coil Cleaning	Maintenance	MH	E	5	0.48	0.09	0.51	0.11	0.53	0.12	0.55	0.14
Central HP - CAC Gas	HVAC	SF	E	13	0.51	n/a	Condenser Coil Cleaning	Maintenance	MH	E	10		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	1:	0.53	0.15	0.57	0.18	0.61	0.21	0.62	0.24
Central HP - CAC Gas Central HP - CAC Gas	HVAC	MH	E	15	0.76	0.64	Condenser Coil Cleaning Condenser Coil Cleaning	Maintenance Maintenance	MH	E	14	0.56	0.20	0.60	0.23	0.64	0.27	0.68	0.31
Central HP - CAC Gas	HVAC	SF	E	15	0.68	0.44	Condenser Coll Cleaning Condenser Coll Cleaning	Maintenance	MH	E	16		0.29	0.69	0.06	0.74	0.40	0.49	0.46
Central HP - CAC Propane	HVAC	MH	F	13	0.38	n/a	Condenser Coil Cleaning	Maintenance	SE	F		3 0.44	0.04	0.46	0.04	0.40	0.05	0.49	0.06
Central HP - CAC Propane	HVAC	MH	E	14	0.43	n/a	Condenser Coll Cleaning	Maintenance	SF	E	8	3 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	0.49	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	1:		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	4 0.55	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	5 0.61	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	Maintenance	SF	E	16	3 0.46	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	Appliance	мн	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	E	All	0.44	0.12 0.13	Dishwasher Efficient Fan Control	Appliance HVAC	SF	E	All	0.44	0.11	0.42	0.12	0.41	0.12	0.49	0.13
Condenser Coil Cleaning	Maintenance	MH	E	6	0.45	0.13	Efficient Fan Control	HVAC	MH	E		3 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning	Maintenance	MH	E	8	0.47	0.06	Efficient Fan Control	HVAC	MH	E		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coll Cleaning Condenser Coll Cleaning	Maintenance	MH	E	9	0.49	0.09	Efficient Fan Control	HVAC	MH	E	10		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning	Maintenance	MH	E	10	0.50	0.10	Efficient Fan Control	HVAC	MH	E	1:	3 0.83	0.77	1.05	0.85	1.19	0.93	1.05	0.99
Condenser Coil Cleaning	Maintenance	MH	E	13	0.53	0.15	Efficient Fan Control	HVAC	MH	E	14		1.36	1.14	1.51	1.29	1.64	1.24	1.74
Condenser Coil Cleaning	Maintenance	MH	E	14	0.55	0.19	Efficient Fan Control	HVAC	MH	E	18		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	HVAC	MH	E	16	6 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		3 0.00	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	HVAC	SF	E		8 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		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning Condenser Coil Cleaning	Maintenance Maintenance	MF	E	9	0.49	0.09	Efficient Fan Control Efficient Fan Control	HVAC HVAC	or er	E	10		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coll Cleaning Condenser Coll Cleaning	Maintenance	MF	E	10	0.50	0.10	Efficient Fan Control	HVAC	SF SF	E	1.		0.80	0.89	0.89	0.96	0.96	0.96	0.96
Condenser Coil Cleaning Condenser Coil Cleaning	Maintenance	MF	E	13	0.53	0.15	Efficient Fan Control	HVAC	SF	F	14		2.80	0.86	0.83	0.96	0.90	0.96	0.96
Condenser Coll Cleaning Condenser Coll Cleaning	Maintenance	MF	E	14	0.61	0.19	Efficient Fan Control	HVAC	SF	E	11	3 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coll Cleaning	Maintenance	MF	E	16	0.46	0.05	Evap Maint Functioning	Maintenance	MH	E	16		0.00 n/a	-0.50	0.00 n/a	-0.44	n/a	-0.49	n/a
Condenser Coil Cleaning	Maintenance	SF	E	6	0.45	0.03	Evap Maint Functioning	Maintenance	MH	E	10		0.01	0.13	0.02	0.14	0.03	0.46	0.03
Condenser Coil Cleaning	Maintenance	SF	E	8	0.47	0.06	Evap Maint Functioning	Maintenance	MH	E	1:	3 0.18	0.03	0.17	0.05	0.18	0.07	0.20	0.08
Condenser Coil Cleaning	Maintenance	SF	E	9	0.49	0.09	Evap Maint Functioning	Maintenance	MH	E	14	4 0.15	0.03	0.16	0.06	0.17	0.08	0.20	0.10
Condenser Coil Cleaning	Maintenance	SF	E	10	0.50	0.10	Evap Maint Functioning	Maintenance	MH	E	15		0.31	0.42	0.37	0.46	0.42	0.49	0.45
Condenser Coil Cleaning	Maintenance	SF	E	13	0.53	0.15	Evap Maint Functioning	Maintenance	SF	E	10	0.22	0.09	0.21	0.11	0.22	0.12	0.25	0.13
Condenser Coil Cleaning	Maintenance	SF	E	14	0.55	0.19	Evap Maint Functioning	Maintenance	SF	E	10		0.15	0.27	0.18	0.29	0.21	0.32	0.23
Condenser Coil Cleaning	Maintenance	SF	E	15	0.61	0.29	Evap Maint Functioning	Maintenance	SF	E	14		0.20	0.31	0.25	0.35	0.29	0.37	0.32
Condenser Coil Cleaning	Maintenance	SF	E	16	0.46	0.05	Evap Maint Functioning	Maintenance	SF	E	15		0.46	0.53	0.54	0.59	0.60	0.62	0.65
Dishwasher	Appliance	MH	E	All	0.43	0.09	Evap Maint Functioning	Maintenance	SF	E	16		-0.46 n/a	-0.36	-0.49	-0.40	-0.52	-0.40	-0.55
Dishwasher Efficient Fan Control	Appliance HVAC	SF	F	6	0.43	0.10	Evap Maint Nonfunctioning Evap Maint Nonfunctioning	Maintenance Maintenance	MH	E	10	0.00	n/a 0.01	0.00	n/a 0.03	0.00	n/a 0.04	0.00	n/a 0.04
Efficient Fan Control	HVAC	MH	F	8	0.00	0.00	Evap Maint Nonfunctioning	Maintenance	MH	F	10		0.01	0.13	0.03	0.14	0.04	0.16	0.04
Efficient Fan Control	HVAC	MH	E	9	0.00	0.00	Evap Maint Nonfunctioning	Maintenance	MH	E	14		0.04	0.00	0.08	0.08	0.05	0.09	0.13
Efficient Fan Control	HVAC	MH	E	10	0.00	0.00	Evap Maint Nonfunctioning	Maintenance	MH	E	16		0.04	0.40	0.08	0.45	0.56	0.10	0.61
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Energy Savings Assistance Program Cost-Effectiveness - Weather Sensitive Measures (PY2022-2026) Table 6

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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 f any of these measures should be removed. The IOUs completed this 2022-2023 ESA evaluation and ist which measures they determined to retain in Table 1. Also included in Table 1. Also included and the automated to PS 90 the lip increase ESACET scores and/or provide greater consistency with ESA measures they doter IOUs of our digute ESA budgets.

Efficient Fan Control	HVAC	MH	F	13	0.75	0.69	Evap Maint Nonfunctioning	Maintenance	SF	E 47	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		3 0.30	0.12	0.24	0.24	0.35	0.10	0.38	0.18
	HVAC	MH							SF									
Efficient Fan Control			E	15	0.00	0.00	Evap Maint Nonfunctioning	Maintenance	SF	E 14	4 0.33	0.27	0.37	0.33	0.41	0.39	0.44	0.42
Efficient Fan Control	HVAC	MH	E	16	0.00	0.00	Evap Maint Nonfunctioning	Maintenance	SF	E 15	5 0.57	0.61	0.65	0.71	0.72	0.80	0.74	0.87
Efficient Fan Control	HVAC	MF	E	6	0.00	0.00	Evap Maint Nonfunctioning	Maintenance	SF		6 -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	Maintenance	MH	E	6 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	B 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 Coll Cleaning	Maintenance	MH		0.45	0.05	0.47	0.05	0.48	0.00	0.50	0.08
			-															
Efficient Fan Control	HVAC	MF	E	14	0.79	0.81	Evaporator Coil Cleaning	Maintenance	MH	E 13	3 0.48	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		4 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	5 0.52	0.15	0.58	0.17	0.60	0.20	0.64	0.23
Efficient Fan Control	HVAC	SF	E	6	0.00	0.00	Evaporator Coil Cleaning	Maintenance	MH		6 0.39	0.03	0.42	0.03	0.42	0.04	0.45	0.04
		SF	-	-														
Efficient Fan Control	HVAC		E	8	0.00	0.00	Evaporator Coil Cleaning	Maintenance	SF	E	6 0.43	0.02	0.44	0.02	0.44	0.03	0.47	0.03
Efficient Fan Control	HVAC	SF	E	9	0.00	0.00	Evaporator Coil Cleaning	Maintenance	SF		B 0.44	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		9 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	E	14	0.74	0.67	Evaporator Coil Cleaning	Maintenance	SF		3 0.47	0.08	0.50	0.09	0.51	0.10	0.54	0.12
Efficient Fan Control	HVAC	SF	E	15	1.13	2.53	Evaporator Coil Cleaning	Maintenance	er.		4 0.49	0.10	0.51	0.12	0.53	0.13	0.57	0.15
	HVAC	SF	F	16	0.00	0.00			SF	E	4 0.49 5 0.52	0.15		0.12	0.58	0.13	0.62	0.13
Efficient Fan Control			-				Evaporator Coil Cleaning	Maintenance	SF				0.56					
Evap Maint Functioning	Maintenance	MH	E	16	-0.22	n/a	Evaporator Coil Cleaning	Maintenance	SF		6 0.44	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	B 0.47	0.06	0.48	0.07	0.50	0.08	0.53	0.09
Evap Maint Functioning	Maintenance	MH	E	13	0.40	0.02	Fan Control	Maintenance	MH	E	8 0.49	0.11	0.52	0.12	0.54	0.14	0.56	0.15
Evap Maint Functioning	Maintenance	MH	F	14	0.40	0.01	Fan Control	Maintenance	MH		9 0.53	0.16	0.56	0.12	0.59	0.20	0.61	0.22
Evap Maint Functioning	Maintenance	MH	F	14	0.58	0.28	Fan Control	Maintenance	MH	E 10		0.16	0.56	0.18	0.60	0.20	0.63	0.22
			E															
Evap Maint Functioning	Maintenance	SF	E	10	0.46	0.08	Fan Control	Maintenance	MH		3 0.59	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		0.34	0.71	0.39	0.76	0.44	0.78	0.47
Evap Maint Functioning	Maintenance	SF	E	14	0.50	0.17	Fan Control	Maintenance	MH	E 15	5 0.72	0.50	0.83	0.58	0.89	0.65	0.92	0.71
Evap Maint Functioning	Maintenance	SF	E	15	0.66	0.41	Fan Control	Maintenance	MH	E 16	6 0.44	0.09	0.48	0.11	0.49	0.12	0.52	0.13
	Maintenance	SF	F	16	-0.01	-0.44	Fan Control		er.			0.06	0.48	0.07	0.49	0.08	0.52	0.09
Evap Maint Functioning			-					Maintenance	ar									
Evap Maint Nonfunctioning	Maintenance	MH	E	16	0.00	n/a	Fan Control	Maintenance	SF		B 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	Maintenance	SF		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	Maintenance	SF		0.54	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	Maintenance	SF		3 0.59	0.26	0.65	0.30	0.68	0.34	0.71	0.36
Evap Maint Nonfunctioning	Maintenance	MH	F	15	0.00	0.00	Fan Control	Maintenance	SE		4 0.63	0.34	0.00	0.39	0.75	0.44	0.77	0.47
		SF	E	10					or		4 0.03			0.58				
Evap Maint Nonfunctioning	Maintenance		E		0.47	0.10	Fan Control	Maintenance	SF		5 0.72	0.50	0.81		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	6 0.48	0.09	0.51	0.11	0.52	0.12	0.55	0.13
Evap Maint Nonfunctioning	Maintenance	SF	E	14	0.51	0.23	Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	6 0.00	0.00	0.00	0.00	0.82	1.14	0.00	0.00
Evap Maint Nonfunctioning	Maintenance	SF	E	15	0.71	0.55	Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	8 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	Domestic Hot Water	SF		9 0.00	0.00	0.73	1.03	0.00	0.00	0.00	0.00
									05									
Evaporator Coil Cleaning	Maintenance	MH	E	6	0.44	0.02	Heat Pump Water Heater Electric	Domestic Hot Water	Sh	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		SF		3 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	E 14	4 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Evaporator Coil Cleaning	Maintenance	MH	E	10	0.46	0.05	Heat Pump Water Heater Electric	Domestic Hot Water	SF		5 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Evaporator Coil Cleaning	Maintenance	MH	E	13	0.48	0.07	Heat Pump Water Heater Electric	Domestic Hot Water	er.		6 0.00	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	Domestic Hot Water	SF		6 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		B 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	9 0.24	n/a	0.21	n/a	0.24	n/a	0.22	n/a
Evaporator Coil Cleaning	Maintenance	MF	E	6	0.44	0.02	Heat Pump Water Heater Gas	Domestic Hot Water	SF	E 10	0.35	n/a	0.29	n/a	0.35	n/a	0.33	n/a
Evaporator Coil Cleaning	Maintenance	MF	F	8	0.45	0.03	Heat Pump Water Heater Gas	Domestic Hot Water	SE		3 0.36	n/a	0.28	n/a	0.35	n/a	0.33	n/a
Evaporator Coil Cleaning	Maintenance	ME	E	9	0.46	0.05	Heat Pump Water Heater Gas	Domestic Hot Water	or	E 14	4 0.35	n/a	0.20	n/a	0.33	n/a	0.31	
	Maintenance	MF		10					SF									n/a
Evaporator Coil Cleaning	Maintenance		E		0.46	0.05	Heat Pump Water Heater Gas	Domestic Hot Water	SF	E 15		n/a	0.34	n/a	0.40	n/a	0.40	n/a
Evaporator Coil Cleaning	Maintenance	MF	E	13	0.48	0.07	Heat Pump Water Heater Gas	Domestic Hot Water	SF		6 0.19	n/a	0.03	n/a	0.16	n/a	0.15	n/a
Evaporator Coil Cleaning	Maintenance	MF	E	14	0.49	0.10	Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	6 -0.28	n/a	-0.31	n/a	-0.30	n/a	-0.36	n/a
Evaporator Coil Cleaning	Maintenance	MF	E	15	0.52	0.14	Heat Pump Water Heater Propane	Domestic Hot Water	SF	E 8	B -0.24	n/a	-0.24	n/a	-0.28	n/a	-0.31	n/a
Evaporator Coil Cleaning	Maintenance	ME	E	16	0.44	0.03	Heat Pump Water Heater Propane	Domestic Hot Water	SF		9 -0.16	n/a	-0.18	n/a	-0.24	n/a	-0.21	n/a
	Maintenance	SF	F	6	0.44	0.02		Domestic Hot Water	SF			n/a	-0.18	n/a	-0.24		-0.21	
Evaporator Coil Cleaning							Heat Pump Water Heater Propane		55		0 -0.17					n/a		n/a
Evaporator Coil Cleaning	Maintenance	SF	E	8	0.45	0.03	Heat Pump Water Heater Propane	Domestic Hot Water	SF		3 0.10	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		4 -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	SF			n/a	0.00	n/a	0.05	n/a	-0.11	n/a
Evaporator Coil Cleaning	Maintenance	SF	E	13	0.48	0.07	Heat Pump Water Heater Propane	Domestic Hot Water	SF	E 16	5 -0.08 6 0.00	n/a	0.00	n/a	-0.64	n/a	0.00	n/a
Evaporator Coil Cleaning	Maintenance	SF	F	14	0.49	0.10	LED Diffuse A-Lamp	Lighting	MH		6 1.21	4.29	1.54	4.62	1.74	4.95	1.63	5.27
Evaporator Coll Cleaning Evaporator Coll Cleaning	Mointenance	SF	E	14	0.49	0.14	LED Diffuse A-Lamp		MH	E 6	B 1.26	4.29	1.61	5.19	1.74	4.95	1.63	5.92
	Maintenance	SF	E					Lighting			9 1.26							
Evaporator Coil Cleaning	Maintenance		2	16	0.44	0.03	LED Diffuse A-Lamp	Lighting	MH			4.79	1.60	5.15	1.81	5.52	1.68	5.88
Fan Control	Maintenance	MH	E	6	0.47	0.06	LED Diffuse A-Lamp	Lighting	MH		0 1.25	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	Lighting	MH	E 13	3 1.23	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	Lighting	MH	E 14	4 1.23	4.81	1.58	5.19	1.79	5.56	1.66	5.92
	Maintenance	MH	E	10	0.53	0.16	LED Diffuse A-Lamp	Lighting	MH		5 1.34	5.59	1.72	6.01	1.95	6.43	1.81	6.85
Fan Control					0.57	0.23	LED Diffuse A-Lamp	Lighting	MH			4.19	1.46	4.52	1.65	4.84	1.54	5.16
		MH	F	13									1.40					
Fan Control	Maintenance	MH	E	13		0.20			SE.		6 1.14	4.10	1.47	4.42		4 72		
Fan Control Fan Control	Maintenance Maintenance	MH	E	14	0.61	0.30	LED Diffuse A-Lamp	Lighting	SF	E	8 1.15	4.10	1.47	4.42	1.66	4.73	1.56	5.04
Fan Control Fan Control Fan Control	Maintenance Maintenance Maintenance	MH MH	E	14 15	0.61 0.68	0.45	LED Diffuse A-Lamp	Lighting Lighting	SF	E é	6 1.15 8 1.18	4.33	1.51	4.66	1.71	5.00	1.60	5.04 5.32
Fan Control Fan Control Fan Control Fan Control	Maintenance Maintenance Maintenance Maintenance	MH MH MH	E E	14 15 16	0.61 0.68 0.48	0.45	LED Diffuse A-Lamp LED Diffuse A-Lamp	Lighting	SF SF	E 6	6 1.15 8 1.18 9 1.18	4.33 4.42	1.51	4.66 4.76	1.71	5.00 5.11	1.60 1.60	5.04 5.32 5.44
Fan Control Fan Control Fan Control Fan Control	Maintenance Maintenance Maintenance Maintenance	MH MH	E	14 15	0.61 0.68	0.45	LED Diffuse A-Lamp LED Diffuse A-Lamp	Lighting Lighting	SF	E 6	6 1.15 8 1.18	4.33	1.51	4.66	1.71	5.00	1.60	5.04 5.32
Fan Control Fan Control Fan Control Fan Control Fan Control	Maintenance Maintenance Maintenance Maintenance Maintenance	MH MH MH	E E	14 15 16	0.61 0.68 0.48 0.47	0.45 0.08 0.06	LED Diffuse A-Lamp LED Diffuse A-Lamp LED Diffuse A-Lamp	Lighting Lighting Lighting Lighting	SF SF	E 6 E 8 E 9 E 10	8 1.15 8 1.18 9 1.18 0 1.15	4.33 4.42 4.30	1.51 1.51 1.48	4.66 4.76 4.64	1.71 1.72 1.67	5.00 5.11 4.98	1.60 1.60	5.04 5.32 5.44 5.31
Fan Control Fan Control Fan Control Fan Control Fan Control Fan Control Fan Control	Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance	MH MH MF MF	E E E E	14 15 16 6 8	0.61 0.68 0.48 0.47 0.49	0.45 0.08 0.06 0.09	LED Diffuse A-Lamp LED Diffuse A-Lamp LED Diffuse A-Lamp LED Diffuse A-Lamp	Lighting Lighting Lighting Lighting Lighting	SF SF SF SF	E 6 E 8 E 9 E 10 E 10	8 1.15 8 1.18 9 1.18 0 1.15 3 1.16	4.33 4.42 4.30 4.48	1.51 1.51 1.48 1.49	4.66 4.76 4.64 4.84	1.71 1.72 1.67 1.69	5.00 5.11 4.98 5.19	1.60 1.60 1.56 1.57	5.04 5.32 5.44 5.31 5.53
Fan Control Fan Control Fan Control Fan Control Fan Control Fan Control Fan Control Fan Control	Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance	MH MH MF MF MF	E E E E E	14 15 16 6 8 9	0.61 0.68 0.48 0.47 0.49 0.52	0.45 0.08 0.06 0.09 0.14	LED Diffuse A-Lamp LED Diffuse A-Lamp LED Diffuse A-Lamp LED Diffuse A-Lamp LED Diffuse A-Lamp LED Diffuse A-Lamp	Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF	E E E E E 11 E 11 E 11 E 11	8 1.15 8 1.18 9 1.18 0 1.15 3 1.16 4 1.15	4.33 4.42 4.30 4.48 4.49	1.51 1.51 1.48 1.49 1.48	4.66 4.76 4.64 4.84 4.84	1.71 1.72 1.67 1.69 1.68	5.00 5.11 4.98 5.19 5.19	1.60 1.60 1.56 1.57 1.57	5.04 5.32 5.44 5.31 5.53 5.54
Pan Control Fan Control Fan Control Fan Control Fan Control Fan Control Fan Control Fan Control	Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance	MH MH MF MF MF MF MF	E E E E E E	14 15 18 6 8 9 10	0.61 0.68 0.48 0.47 0.49 0.52 0.53	0.45 0.08 0.06 0.09 0.14 0.16	LED Diffuse A-Lamp LED Diffuse A-Lamp LED Diffuse A-Lamp LED Diffuse A-Lamp LED Diffuse A-Lamp LED Diffuse A-Lamp LED Diffuse A-Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF	E 6 E 8 E 99 E 10 E 10 E 11 E 14 E 14	8 1.15 8 1.18 9 1.18 0 1.15 3 1.16 4 1.15 5 1.29	4.33 4.42 4.30 4.48 4.49 5.26	1.51 1.51 1.48 1.49 1.48 1.66	4.66 4.76 4.64 4.84 4.84 5.66	1.71 1.72 1.67 1.69 1.68 1.88	5.00 5.11 4.98 5.19 5.19 6.06	1.60 1.60 1.56 1.57 1.57 1.74	5.04 5.32 5.44 5.31 5.53 5.54 6.45
Fan Control Fan Control	Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance	MH MH MF MF MF MF MF MF MF	E E E E E E E E	14 15 16 6 8 9 10 13	0.61 0.68 0.48 0.47 0.49 0.52 0.53 0.57	0.45 0.08 0.06 0.09 0.14 0.16 0.23	LED Diffuse A-Lamp LED Diffuse A-Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF SF SF	E 6 E 6 E 10 E 10 E 10 E 10 E 11 E 14 E 14	8 1.15 8 1.18 9 1.18 0 1.15 3 1.16 4 1.15 5 1.29 8 1.10	4.33 4.42 4.30 4.48 4.49 5.26 3.97	1.51 1.51 1.48 1.49 1.48 1.66 1.40	4.66 4.76 4.64 4.84 4.84 5.66 4.29	1.71 1.72 1.67 1.69 1.68 1.88 2.03	5.00 5.11 4.98 5.19 5.19 6.06 4.60	1.60 1.60 1.56 1.57 1.57 1.74 1.48	5.04 5.32 5.44 5.31 5.53 5.54 6.45 4.91
Pan Control Pan Control	Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance	MH MH MF MF MF MF MF MF MF MF	E E E E E E E E E	14 15 16 8 9 10 13 14	0.61 0.68 0.48 0.47 0.49 0.52 0.53 0.57 0.61	0.45 0.08 0.09 0.14 0.16 0.23 0.30	LED Diffuse A-Lamp LED Diffuse C-Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF SF SF MH	E 6 E 8 E 9 E 9 E 10 E 11 E 11 E 11 E 11 E 11 E 11 E 11	8 1.15 8 1.18 9 1.18 0 1.15 3 1.16 4 1.15 5 1.29 8 1.10 8 1.10	4.33 4.42 4.30 4.48 4.49 5.26 3.97 3.01	1.51 1.51 1.48 1.49 1.48 1.66 1.40 1.35	4.66 4.76 4.64 4.84 4.84 5.66 4.29 3.24	1.71 1.72 1.67 1.69 1.68 1.88 2.03 1.52	5.00 5.11 4.98 5.19 5.19 6.06 4.60 3.47	1.60 1.60 1.56 1.57 1.57 1.74 1.48 1.45	5.04 5.32 5.44 5.31 5.53 5.54 6.45 4.91 3.70
Fan Control Fan Control	Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance	MH MH MF MF MF MF MF MF MF	E E E E E E E E	14 15 16 6 8 9 10 13	0.61 0.68 0.48 0.47 0.49 0.52 0.53 0.57	0.45 0.08 0.06 0.09 0.14 0.16 0.23	LED Diffuse A-Lamp LED Diffuse A-Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF SF SF	E 6 E 8 E 9 E 9 E 10 E 11 E 11 E 11 E 11 E 11 E 11 E 11	8 1.15 8 1.18 9 1.18 0 1.15 3 1.16 4 1.15 5 1.29 8 1.10	4.33 4.42 4.30 4.48 4.49 5.26 3.97	1.51 1.51 1.48 1.49 1.48 1.66 1.40	4.66 4.76 4.64 4.84 4.84 5.66 4.29	1.71 1.72 1.67 1.69 1.68 1.88 2.03	5.00 5.11 4.98 5.19 5.19 6.06 4.60	1.60 1.60 1.56 1.57 1.57 1.74 1.48	5.04 5.32 5.44 5.31 5.53 5.54 6.45 4.91
Fan Control Fan Control	Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance	MH MH MH MF MF MF MF MF MF MF MF MF	E E E E E E E E E	14 15 6 8 9 10 13 14 15	0.61 0.68 0.48 0.47 0.49 0.52 0.53 0.53 0.57 0.61 0.68	0.45 0.08 0.06 0.09 0.14 0.16 0.23 0.30 0.45	LED Diffuse A-Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF SF MH	E 6 E 6 E 7 E 7 E 7 E 7 E 7 E 7 E 7 E 7 E 7 E 7	8 1.15 8 1.18 9 1.18 0 1.15 3 1.16 4 1.15 5 1.29 8 1.10 8 1.10 8 1.10	4.33 4.42 4.30 4.48 4.49 5.26 3.97 3.01 3.38	1.51 1.51 1.48 1.49 1.48 1.66 1.40 1.35 1.44	4.66 4.76 4.64 4.84 5.66 4.29 3.24 3.64	1.71 1.72 1.67 1.69 1.68 1.88 2.03 1.52 1.61	5.00 5.11 4.98 5.19 5.19 6.06 4.60 3.47 3.90	1.60 1.60 1.56 1.57 1.57 1.74 1.48 1.45 1.52	5.04 5.32 5.44 5.31 5.53 5.54 6.45 4.91 3.70 4.15
Pan Control	Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance	MH MH MF MF MF MF MF MF MF MF MF	E E E E E E E E E	14 15 6 8 9 10 13 14 15 16	0.61 0.68 0.48 0.47 0.49 0.52 0.53 0.57 0.61 0.68 0.48	0.45 0.08 0.06 0.09 0.14 0.16 0.23 0.30 0.45 0.08	LED Diffuse A-Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF SF MH MH MH	E C E S E S E S E S E S E S E S E S E S E S E S E S E S E S E S E S	8 1.15 8 1.18 9 1.18 0 1.15 3 1.16 4 1.15 5 1.29 6 1.10 8 1.14 9 1.13	4.33 4.42 4.30 4.48 4.49 5.26 3.97 3.01 3.38 3.35	1.51 1.51 1.48 1.49 1.48 1.66 1.40 1.35 1.44 1.41	4.66 4.76 4.64 4.84 5.66 4.29 3.24 3.64 3.61	1.71 1.72 1.67 1.69 1.68 1.88 2.03 1.52 1.61 1.59	5.00 5.11 4.98 5.19 6.06 4.60 3.47 3.90 3.87	1.60 1.60 1.56 1.57 1.57 1.74 1.48 1.48 1.45 1.52 1.51	5.04 5.32 5.44 5.31 5.53 5.54 6.45 4.91 3.70 4.15 4.12
Fan Control	Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance	MH MH MH MF MF MF MF MF MF MF MF MF SF	E E E E E E E E E E E E E	14 15 16 6 8 9 10 13 13 14 15 16 6	0.61 0.68 0.47 0.49 0.52 0.53 0.57 0.61 0.68 0.48 0.48 0.47	0.45 0.08 0.09 0.14 0.15 0.23 0.30 0.45 0.08 0.06	LED Dittee A-Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF SF MH MH MH MH	E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C	8 1.15 8 1.18 9 1.18 0 1.15 3 1.16 4 1.12 5 1.29 8 1.10 8 1.10 8 1.10 8 1.10 8 1.10 9 1.13 0 1.12	4.33 4.42 4.30 4.48 4.49 5.26 3.97 3.01 3.38 3.35 3.38	1.51 1.51 1.48 1.49 1.48 1.66 1.40 1.35 1.44 1.41	4.66 4.76 4.64 4.84 5.66 4.29 3.24 3.64 3.61 3.64	1.71 1.72 1.67 1.69 1.68 1.88 2.03 1.52 1.61 1.59 1.59	5.00 5.11 4.98 5.19 6.06 4.60 3.47 3.90 3.87 3.89	1.60 1.60 1.57 1.57 1.74 1.48 1.45 1.52 1.51 1.50	5.04 5.32 5.44 5.31 5.53 5.54 6.45 4.91 3.70 4.15 4.12 4.15
Fan Control	Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance Maintenance	MH MH MH MF MF MF MF MF MF MF MF SF SF SF SF		14 15 6 9 10 13 14 15 6 8	0.61 0.68 0.48 0.47 0.52 0.53 0.57 0.61 0.68 0.48 0.48 0.49	0.45 0.08 0.06 0.09 0.14 0.16 0.23 0.30 0.45 0.08 0.08 0.09	LED DIffue A-Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF MH MH MH MH MH MH MH MH MH	E C E E E 11 E 11 E 12 E 14	8 1.15 8 1.18 9 1.18 0 1.15 3 1.16 4 1.15 5 1.29 6 1.00 8 1.14 9 1.13 0 1.12 3 0.000	4.33 4.42 4.30 4.48 4.49 5.26 3.97 3.01 3.38 3.35 3.38 0.00	1.51 1.51 1.48 1.49 1.48 1.66 1.40 1.35 1.44 1.41 1.41 1.41	4.66 4.76 4.64 4.84 5.66 4.29 3.24 3.64 3.61 3.64 0.00	1.71 1.72 1.67 1.69 1.68 1.88 2.03 1.52 1.61 1.59 1.59 1.56	5.00 5.11 4.98 5.19 5.19 6.06 4.60 3.47 3.90 3.87 3.89 3.93	1.60 1.60 1.56 1.57 1.57 1.74 1.48 1.45 1.52 1.51 1.50 0.00	5.04 5.32 5.44 5.53 5.54 6.45 4.91 3.70 4.15 4.12 4.15 0.00
Fan Control	Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon	MP4 MP4 MP4 MPF MPF MPF MPF MPF MPF SPF SPF SPF SPF SPF SPF SPF SPF SPF S	E E E E E E E E E E E E E E	14 15 16 8 9 10 13 14 15 16 6 8 9	0.61 0.68 0.48 0.47 0.47 0.52 0.53 0.57 0.61 0.68 0.48 0.48 0.47 0.49 0.52	0.45 0.08 0.09 0.14 0.23 0.30 0.45 0.08 0.06 0.09 0.14	LED Diffuse A-Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF SF MH	E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C	8 1.15 8 1.18 9 1.18 0 1.15 3 1.16 4 1.15 5 1.29 8 1.10 6 1.09 8 1.14 9 1.13 0 1.12 3 0.00 4 1.12	4.33 4.42 4.30 4.48 5.26 3.97 3.01 3.38 3.35 3.38 0.00 3.37	1.51 1.51 1.48 1.49 1.48 1.49 1.48 1.40 1.35 1.44 1.41 1.41 1.41 0.00 1.41	4.66 4.76 4.84 4.84 5.66 4.29 3.24 3.64 3.61 3.64 0.00 3.64	1.71 1.72 1.67 1.69 1.68 1.88 2.03 1.52 1.61 1.59 1.59 1.56 1.59	5.00 5.11 4.98 5.19 5.19 6.06 4.60 3.47 3.90 3.87 3.89 3.93 3.89 3.89	1.60 1.60 1.56 1.57 1.57 1.74 1.48 1.45 1.52 1.51 1.50 0.00 1.49	5.04 5.32 5.44 5.31 5.53 5.54 6.45 4.91 3.70 4.15 4.12 4.15 0.00 4.15
Fan Control	Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon Marrenordon	MH MH MH MF MF MF MF MF MF MF MF SF SF SF SF		14 15 6 9 10 13 14 15 6 8	0.61 0.68 0.48 0.47 0.52 0.53 0.57 0.61 0.68 0.48 0.48 0.49	0.45 0.08 0.06 0.09 0.14 0.16 0.23 0.30 0.45 0.08 0.08 0.09	LED Diffuse A-Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF MH MH MH MH MH MH MH MH MH	E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C E C	8 1.15 8 1.18 9 1.18 0 1.15 3 1.16 4 1.15 5 1.29 8 1.10 6 1.09 8 1.14 9 1.13 0 1.12 3 0.00 4 1.12	4.33 4.42 4.30 4.48 4.49 5.26 3.97 3.01 3.38 3.35 3.38 0.00	1.51 1.51 1.48 1.49 1.48 1.66 1.40 1.35 1.44 1.41 1.41 1.41	4.66 4.76 4.84 4.84 5.66 4.29 3.24 3.64 3.61 3.64 0.00 3.64	1.71 1.72 1.67 1.69 1.68 1.88 2.03 1.52 1.61 1.59 1.59 1.56	5.00 5.11 4.98 5.19 5.19 6.06 4.60 3.47 3.90 3.87 3.89 3.93	1.60 1.60 1.56 1.57 1.57 1.74 1.48 1.45 1.52 1.51 1.50 0.00	5.04 5.32 5.44 5.31 5.53 5.54 6.45 4.91 3.70 4.15 4.12 4.15 0.00 4.15
Fan Control	Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia	Mrt Mrt Mrt Mr Mr Mr Mr Mr Mr SF SF SF SF SF SF SF SF SF	E E E E E E E E E E E E E E E	14 15 6 9 10 13 14 15 16 6 8 9 10	0.61 0.68 0.48 0.47 0.52 0.53 0.57 0.61 0.68 0.48 0.48 0.47 0.49 0.52 0.53	0.45 0.08 0.09 0.14 0.16 0.23 0.30 0.45 0.08 0.08 0.08 0.09 0.14 0.16	LED Diffue A-Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF SF MH MH	E 6 E 5 E 11 E 11 E 11 E 12 E 14	8 1.15 8 1.18 9 1.18 9 0 1 1.16 4 1.15 5 1.29 8 1.10 8 1.09 8 1.14 9 1.13 0 1.12 3 0.000 4 1.12 5 0.00	4.33 4.42 4.30 4.48 5.26 3.97 3.01 3.38 3.35 3.38 0.00 3.37 0.00	1.51 1.51 1.48 1.49 1.48 1.66 1.40 1.35 1.44 1.41 1.41 1.41 0.00 1.41 0.00	4.66 4.76 4.64 4.84 5.66 4.29 3.24 3.64 3.61 3.64 0.00 3.64 0.00	1.71 1.72 1.67 1.69 1.68 1.88 2.03 1.52 1.61 1.59 1.59 1.59 0.00	5.00 5.11 4.98 5.19 6.06 4.60 3.47 3.80 3.87 3.89 3.93 3.89 0.00	1.60 1.80 1.56 1.57 1.57 1.74 1.48 1.45 1.52 1.51 1.50 0.00 1.49 0.00	5.04 5.32 5.44 5.53 5.54 6.45 4.91 3.70 4.15 4.12 4.15 0.00 4.15 0.00
Fan Control	Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia Marinemonia	841 M4 M4 MF MF MF MF MF SF SF SF SF SF SF SF	E E E E E E E E E E E E E E	14 15 16 8 9 10 13 14 15 16 6 8 9 9 10 13	0.61 0.68 0.48 0.47 0.52 0.53 0.57 0.61 0.68 0.48 0.48 0.48 0.47 0.49 0.52 0.53 0.57	0.45 0.08 0.06 0.09 0.14 0.16 0.30 0.45 0.08 0.08 0.08 0.09 0.14 0.14 0.16 0.23	LED Diffue A-Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF SF MH	E C E C	8 1.15 8 1.18 9 1.18 0 1.15 3 1.16 4 1.15 5 1.29 8 1.10 5 1.09 8 1.14 9 1.13 0 1.12 3 0.00 4 1.12 5 0.000	4.33 4.42 4.30 4.48 5.26 3.97 3.01 3.38 3.36 3.38 0.00 3.37 0.00 0.00	1.51 1.51 1.48 1.49 1.48 1.66 1.40 1.35 1.44 1.41 1.41 1.41 1.41 1.41 0.00 0.00	4.66 4.76 4.84 4.84 4.84 4.29 3.24 3.61 3.61 3.64 0.00 3.64 0.00 0.00 0.00	1.71 1.72 1.67 1.69 1.68 1.88 2.03 1.52 1.61 1.59 1.59 1.56 1.59 0.00 0.00	5.00 5.11 4.98 5.19 6.06 4.60 3.47 3.90 3.87 3.89 3.93 3.99 0.00 0.00	1.60 1.66 1.57 1.57 1.74 1.48 1.45 1.52 1.51 1.50 0.00 1.49 0.00 0.00	5.04 5.32 5.44 5.31 5.53 5.54 6.45 4.91 3.70 4.15 4.12 4.15 0.00 4.15 0.00 0.00
Pan Commit	Marinemono Marinemono	841 841 844 847 847 847 847 847 847 847		14 15 6 8 9 10 13 14 15 6 8 8 9 10 13 14	0.61 0.68 0.48 0.47 0.52 0.53 0.57 0.61 0.68 0.48 0.48 0.47 0.49 0.52 0.53 0.53 0.57 0.53	0.45 0.08 0.09 0.14 0.16 0.30 0.45 0.08 0.06 0.09 0.06 0.09 0.14 0.16 0.16 0.16 0.23 0.30 0.30	LED Diffuse A-Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF SF SF MH MH MH MH MH MH MH MH MH MH SF	E 6 E 5 E 5 E 11 E 11 E 12 E 14 E 14	8 1.15 8 1.18 9 1.18 10 1.15 3 1.16 4 1.15 5 1.29 8 1.10 8 1.10 1 1.15 5 1.29 8 1.10 8 1.10 1 1.29 8 1.10 1 1.29 3 0.00 4 1.13 0 1.12 5 0.00 4 1.12 5 0.000 8 0.00	4.33 4.42 4.30 4.48 4.49 5.26 3.97 3.01 3.38 3.35 3.38 0.00 3.37 0.00 0.00 0.00 2.87	1.51 1.51 1.48 1.49 1.48 1.49 1.48 1.40 1.35 1.44 1.41 1.41 1.41 1.41 1.41 0.00 1.41 0.00 0.00	4.66 4.76 4.84 4.84 5.66 4.29 3.24 3.64 3.61 3.64 0.00 3.64 0.00 0.00 0.00 3.10	1.71 1.72 1.67 1.68 1.68 1.68 2.03 1.52 1.59 1.59 1.59 1.59 1.59 1.59 0.00 0.00 1.45	5.00 5.11 4.98 5.19 6.06 4.60 3.47 3.90 3.87 3.89 3.89 3.83 3.89 0.00 0.00 3.32	1.60 1.60 1.56 1.57 1.57 1.74 1.48 1.45 1.52 1.51 1.50 0.00 1.49 0.00 1.38	5.04 5.32 5.44 5.31 5.53 6.54 6.45 4.91 3.70 4.15 4.12 4.15 0.00 4.15 0.00 4.15 0.00 0.00 0.00 3.54
Fan Carrel F	Marinemonia Marinemonia	841 849 847 847 847 847 847 847 847 847 847 847		14 15 16 6 9 10 13 14 15 6 8 9 10 13 14 15	0.61 0.68 0.48 0.47 0.52 0.53 0.57 0.61 0.68 0.48 0.48 0.48 0.48 0.49 0.52 0.53 0.57 0.53 0.57 0.53 0.57	0.45 0.08 0.09 0.09 0.14 0.16 0.23 0.30 0.45 0.08 0.08 0.09 0.14 0.16 0.23 0.30 0.45 0.23 0.30 0.45 0.23 0.30 0.45 0.30 0.45 0.30 0.45 0.30 0.45 0.30 0.45 0.30 0.45 0.30 0.45 0.30 0.45 0.30 0.45 0.30 0.45 0.30 0.45 0.30 0.45 0.30 0.45 0	LED Diffuse A-Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting	8F 8F 8F 8F 8F 8F 8F 8F 8H MH MH MH MH MH 8H 8F 8F 8F 8F 8F 8F 8F 8F 8F 8F	E C E C	8 1.15 8 1.18 9 1.18 9 1.16 3 1.16 4 1.15 5 1.29 8 1.10 8 1.10 8 1.14 9 1.13 9 1.12 3 0.000 4 1.12 5 0.00 8 1.04 1.12 1.12 5 0.00 8 1.04 1.12 1.12 1.10 1.12 1.11 1.12 1.11 1.12 1.11 1.12 1.11 1.12 1.11 1.12 1.11 1.12 1.11 1.11	4.33 4.42 4.30 4.48 5.26 3.97 3.01 3.38 3.38 3.38 3.38 0.00 0.00 0.00 0.00	1.51 1.51 1.48 1.49 1.48 1.66 1.40 1.35 1.44 1.41 1.41 1.41 1.41 0.00 0.00 1.41 0.00 0.00	4.66 4.76 4.84 4.84 5.66 4.29 3.24 3.64 3.64 3.64 3.64 0.00 0.00 0.00 0.00 0.10 3.10	1.71 1.72 1.69 1.69 1.68 1.88 2.03 1.52 1.52 1.59 1.59 1.59 1.59 0.00 0.00 0.00 1.45 1.50	5.00 5.11 4.98 5.19 6.06 4.60 3.47 3.90 3.87 3.89 0.00 0.00 0.00 0.00 0.00 0.00 3.32 3.50	1.60 1.60 1.56 1.57 1.57 1.74 1.48 1.45 1.51 1.50 0.00 1.49 0.00 0.00 1.38 1.42	5.04 5.32 5.44 5.31 5.53 5.54 6.45 4.91 3.70 4.15 0.00 4.15 0.00 0.00 0.54 3.73
Fan Control	Marinemono Marinemono	841 841 844 847 847 847 847 847 847 847		14 15 6 8 9 10 13 14 15 6 8 8 9 10 13 14	0.61 0.68 0.48 0.47 0.52 0.53 0.57 0.61 0.68 0.48 0.48 0.47 0.49 0.52 0.53 0.53 0.57 0.53	0.45 0.08 0.09 0.14 0.16 0.30 0.45 0.08 0.06 0.09 0.06 0.09 0.14 0.16 0.16 0.16 0.23 0.30 0.30	LED Diffuse A-Lamp LED Reflector Lamp LED Reflector Lamp	Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting Lighting	SF SF SF SF SF SF SF MH MH MH MH MH MH MH MH MH MH SF	E C E S	8 1.15 8 1.18 9 1.18 10 1.15 3 1.16 4 1.15 5 1.29 8 1.10 8 1.10 1 1.15 5 1.29 8 1.10 8 1.10 1 1.29 8 1.10 1 1.29 3 0.00 4 1.13 0 1.12 5 0.00 4 1.12 5 0.000 8 0.00	4.33 4.42 4.30 4.48 4.49 5.26 3.97 3.01 3.38 3.35 3.38 0.00 3.37 0.00 0.00 0.00 2.87	1.51 1.51 1.48 1.49 1.48 1.49 1.48 1.40 1.35 1.44 1.41 1.41 1.41 1.41 1.41 0.00 1.41 0.00 0.00	4.66 4.76 4.84 4.84 5.66 4.29 3.24 3.64 3.61 3.64 0.00 3.64 0.00 0.00 0.00 3.10	1.71 1.72 1.67 1.68 1.68 1.68 2.03 1.52 1.59 1.59 1.59 1.59 1.59 1.59 0.00 0.00 1.45	5.00 5.11 4.98 5.19 6.06 4.60 3.47 3.90 3.87 3.89 3.89 3.83 3.89 0.00 0.00 3.32	1.60 1.60 1.56 1.57 1.57 1.74 1.48 1.45 1.52 1.51 1.50 0.00 1.49 0.00 1.38	5.04 5.32 5.44 5.31 5.53 6.54 6.45 4.91 3.70 4.15 4.12 4.15 0.00 4.15 0.00 0.00 0.00 3.54

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

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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 f any of these measures should be removed. The IOUs completed this 2022-2023 ESA evaluation and ist which measures they determined to retain in Table 1. Also included in Table 1. Also included and the automated to PS 90 the lip increase ESACET scores and/or provide greater consistency with ESA measures they doter IOUs of our digute ESA budgets.

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Descr Desc Desc <thdesc< th=""> Desc Desc <thd< td=""><td>Heat Pump Water Heater Electric</td><td>Domestic Hot Water</td><td></td><td>E</td><td>8</td><td>0.80</td><td>0.89</td><td>LED Reflector Lamp</td><td>Lighting</td><td>SF</td><td>E</td><td>13</td><td>1.05</td><td>3.14</td><td>1.32</td><td>3.39</td><td>1.49</td><td>3.64</td><td>1.41</td><td>3.88</td></thd<></thdesc<>	Heat Pump Water Heater Electric	Domestic Hot Water		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
Number Number Number Number Number Number Number Number Number Number	Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	9	0.00	0.00	LED Reflector Lamp	Lighting	SF	E	14	1.05	3.15	1.32	3.39	1.49	3.64	1.40	3.88
Name	Heat Ruma Water Heater Electric	Domostio Hot Motor	er.	E	10	0.00	0.00	LED Bellester Lowe		ee.	E	15	1.17	2.69	1.40	2.07	1.67	4.95	1.67	4.52
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Shore Shore <th< td=""><td>Heat Pump Water Heater Electric</td><td>Domestic Hot Water</td><td>SF</td><td>E</td><td>14</td><td>0.00</td><td>0.00</td><td>MSHP - RAC Elect Heat</td><td>HVAC</td><td>SF</td><td>E</td><td>6</td><td>0.31</td><td>0.10</td><td>0.33</td><td>0.11</td><td>0.33</td><td>0.12</td><td>0.41</td><td>0.13</td></th<>	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
Descr Descr <th< td=""><td>Heat Pump Water Heater Electric</td><td>Domestic Hot Water</td><td>SF</td><td>E</td><td>15</td><td>0.00</td><td>0.00</td><td>MSHP - RAC Elect Heat</td><td>HVAC</td><td>SF</td><td>E</td><td>8</td><td>0.32</td><td>0.10</td><td>0.34</td><td>0.11</td><td>0.30</td><td>0.12</td><td>0.42</td><td>0.13</td></th<>	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
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Shore Shore <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>or .</td><td></td><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										or .		9								
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Serie Serie <t< td=""><td>Heat Pump Water Heater Gas</td><td>Domestic Hot Water</td><td>SF</td><td>E</td><td>8</td><td>0.37</td><td>n/a</td><td>MSHP - RAC Elect Heat</td><td>HVAC</td><td>SF</td><td>E</td><td>13</td><td>0.51</td><td>0.35</td><td>0.57</td><td>0.38</td><td>0.59</td><td>0.41</td><td>0.67</td><td>0.44</td></t<>	Heat Pump Water Heater Gas	Domestic Hot Water	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
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Shore Shore <th< td=""><td>Heat Pump Water Heater Gas</td><td>Domestic Hot Water</td><td>SF</td><td>E</td><td>13</td><td>0.35</td><td>n/a</td><td>MSHP - RAC Elect Heat</td><td>HVAC</td><td>SF</td><td>E</td><td>16</td><td>0.38</td><td>0.12</td><td>0.39</td><td>0.14</td><td>0.38</td><td>0.15</td><td>0.45</td><td>0.16</td></th<>	Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	13	0.35	n/a	MSHP - RAC Elect Heat	HVAC	SF	E	16	0.38	0.12	0.39	0.14	0.38	0.15	0.45	0.16
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Name	Heat Pump Water Heater Gas	Domestic Hot Water	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
Mathem Mathem Mathem Mathem Mathm Mathm Mathm	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
Mathem Mathem Mathem Mathem Mathm Mathm Mathm	Heat Rump Water Heater Branana	Domostio Hot Motor	8E	E	0	0.25	0/0	MEHR BAC Con	HIMC	er	E	10	0.41	e le	0.47	<i>n/n</i>	0.49	nío	0.65	n/n
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Name Name Name Name N	Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	8	-0.22	n/a	MSHP - RAC Gas		SF	E	13	0.37	n/a	0.45	n/a	0.40	n/a	0.42	n/a
Deperator <	Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	9	-0.22	n/a	MSHP - RAC Gas	HVAC	SF	E	14	0.42	n/a	0.46	n/a	0.46	n/a	0.48	n/a
Deperator <	Heat Pump Water Heater Propane	Domestic Hot Water	SE.	F	10	-0.22	n/a	MSHP - PAC Gas	HVAC	SE	F	16	0.47	n/9	0.60	n/a	0.37	0/9	0.53	n/a
Department Depart De				-																
Dependencing	Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	13	-0.25	n/a			SF	E	15	0.43	0.26	0.51	0.27	0.58	0.29	0.51	0.31
box box <td>Heat Pump Water Heater Propane</td> <td>Domestic Hot Water</td> <td>SF</td> <td>E</td> <td>14</td> <td>-0.28</td> <td>n/a</td> <td>MSHP - RAC Propane</td> <td>HVAC</td> <td>SF</td> <td>E</td> <td>6</td> <td>0.24</td> <td>n/a</td> <td>0.25</td> <td>n/a</td> <td>0.25</td> <td>n/a</td> <td>0.34</td> <td>n/a</td>	Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	14	-0.28	n/a	MSHP - RAC Propane	HVAC	SF	E	6	0.24	n/a	0.25	n/a	0.25	n/a	0.34	n/a
box box <td>Heat Pump Water Heater Propage</td> <td>Domestic Hot Water</td> <td>SE</td> <td>F</td> <td>15</td> <td>-0.06</td> <td>n/a</td> <td>MSHP - PAC Propage</td> <td>HVAC</td> <td>SE</td> <td>F</td> <td>8</td> <td>0.26</td> <td>n/9</td> <td>0.27</td> <td>n/a</td> <td>0.26</td> <td>0/9</td> <td>0.36</td> <td>n/a</td>	Heat Pump Water Heater Propage	Domestic Hot Water	SE	F	15	-0.06	n/a	MSHP - PAC Propage	HVAC	SE	F	8	0.26	n/9	0.27	n/a	0.26	0/9	0.36	n/a
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Image Image <t< td=""><td>LED Diffuse A-Lamp</td><td>Lighting</td><td>MH</td><td>E</td><td>6</td><td>1.08</td><td>3.99</td><td>MSHP - RAC Propane</td><td>HVAC</td><td>SF</td><td>E</td><td>10</td><td>0.24</td><td>n/a</td><td>0.24</td><td>n/a</td><td>0.24</td><td>n/a</td><td>0.33</td><td>n/a</td></t<>	LED Diffuse A-Lamp	Lighting	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
Image Image <t< td=""><td>LED Diffuse A-Lamp</td><td>Lighting</td><td>MH</td><td>E</td><td>8</td><td>1.13</td><td>4.48</td><td>MSHP - RAC Propane</td><td>HVAC</td><td>SF</td><td>E</td><td>13</td><td>0.21</td><td>n/a</td><td>0.21</td><td>n/a</td><td>0.22</td><td>n/a</td><td>0.28</td><td>n/a</td></t<>	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
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Display Symbol Symbol Symbol Symbol<	LED Diffuse A-Lamp	Lighting	MH	E	16			Portable AC		MH	E	15	0.00	n/a		n/a	-1.53	n/a	-1.83	n/a
Display <	IFD DW Allows		115	-	0	4.00	0.00	Butthly 40	10/00	05	F			- 1-	0.00	- 1-	0.67	- 1-	0.50	
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Display <		Lighting		E	8			Portable AC								n/a		n/a		
Description Import Import Import Import Imp	LED Diffuse A-Lamp	Lighting	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	
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DensionImage<	LED Reflector Lamp	Lighting	MF	F	6	0.96	2.72	Smart Power Strip Tier 2	Miscellaneous	MH	F	14	0.78	1.43	0.95	1.60	1.07	1.76	1.06	1.90
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LD behave LD behave LD behave LD behave 	LED Reflector Lamp	Lighting	MF	E	10	0.99	2.98	Smart Power Strip Tier 2	Miscellaneous	SF	E	6	0.70	1.21	0.85	1.35	0.96	1.49	0.95	1.61
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LD RedectumpLg/modGP	LED Reflector Lamp	Lighting	SF	E	9	0.96	2.88	Smart Power Strip Tier 2	Miscellaneous	SF	E	16	0.66	1.15	0.81	1.29	0.91	1.43	0.91	1.55
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LED Reduction Upding Find Ed 1.60 3.42 Smart Themodat HVAC MA Ed 0.40 1.00	LED Reflector Lamp	Lighting	SF	E	14	0.94	2.92	Smart Thermostat	HVAC	MH	E	9	0.67	0.84	0.78	0.91	0.84	0.98	0.85	1.03
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MSAP- ARC Each Hait MAC First Mach First First Mach First Mach First Mach First Mach First Mach First Mach First First Mach First First Mach First	MSHP - RAC Elect Heat	HVAC	SF	E	10	0.63	0.40	Smart Thermostat	HVAC	SF	E	6	0.37	0.30	0.41	0.32	0.44	0.35	0.45	0.37
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https://p.AC.biscitiant HVAC First	MSHP - RAC Elect Heat	HVAC	SF	E	15	0.58	0.31	Smart Thermostat	HVAC	SF	E	10	0.66	0.81	0.76	0.88	0.82	0.94	0.82	1.00
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Energy Savings Assistance Program Cost-Effectiveness - Weather Sensitive Measures (PY2022-2026) Table 6

Notes: 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 f any of these measures should be removed. The IOUs completed this 2022-2023 ESA evaluation and ist which measures they determined to retain in Table 1. Also included in Table 1. Also included and the automated to PS 90 the lip increase ESACET scores and/or provide greater consistency with ESA measures they doter IOUs of our digute ESA budgets.

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60 4.5. 2. 7. 7. 7. 7.	ASHP - RAC Propage	HVAC	SF F	9	0.44 %		TSV	Domestic Hot Water MH	F	16 0.00	0.00 0.00	0.00 0.00	0.00	0.00 0.00
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barbon barbon </td <td>Portable AC</td> <td>HVAC</td> <td>MH E</td> <td>13 -</td> <td>0.95 n/a</td> <td></td> <td>TSV</td> <td>Domestic Hot Water SF</td> <td>E</td> <td>14 0.93</td> <td>1.55 1.08</td> <td>1.68 1.20</td> <td>1.81</td> <td>1.22 1.95</td>	Portable AC	HVAC	MH E	13 -	0.95 n/a		TSV	Domestic Hot Water SF	E	14 0.93	1.55 1.08	1.68 1.20	1.81	1.22 1.95
Math	Portable AC	HVAC	MH E	14	1.41 n/a		TSV	Domestic Hot Water SF	E	15 0.76	1.09 0.90	1.18 0.99	1.28	0.99 1.37
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Subscription<	Refrigerant Charge Adjustment	Maintenance	MH E	6	0.88 1.02		TSV/Showerhead Combined	Domestic Hot Water MH	E	15 0.00	0.00 0.00	0.00 0.00	0.00	0.00 0.00
Support	Refrigerant Charge Adjustment	Maintenance	MH E	8	1.08 2.04		TSV/Showerhead Combined	Domestic Hot Water MH	E	16 0.00	0.00 0.00	0.00 0.00	0.00	0.00 0.00
Super-S		Maintenance	MH E	9	1 13 2 45		TSV/Showerhead Combined	Domestic Hot Water SE	F	6 0.66	0.68 0.72	0.74 0.77	0.80	0.83 0.86
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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.

-- 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.

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	Ē	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	E	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	E	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	E	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	E	15	0.53	0.44	
TSV/Showerhead Combined	Domestic Hot Water	SF	E	16	0.68	0.77	
	a announce a second different	La.			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.

-- 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 f 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 differed by the reduce to IOUs of the authorized ESA budgets.

Southern California Gas Compan	IV																		
Measure					202	2		Measure		Type of Home	Electric or Gas	Climate Zone		2023	2024		2025	2026	i
Single Family, Mobile Homes, and	Measure Group	Type of Home	Electric or Gas	Climate Zone				Single Family and Mobile Homes -	Measure Group	(SF, MH)	(E,G)	(Number)	_				2		
Multifamily In-unit Installations 1		(SF, MH) MF	(E,G) G	(Number)	ESACET 0.09	Resource Test		Installations ³	Enclosure	MH	6	All	ESACET 0.09	Resource Test	ESACET Resource Test	ESACET 0.10	Resource Test	ESACET Re	esource Test
Air Sealing / Envelope Air Sealing / Envelope	Enclosure Enclosure	MH	G	All	0.09			Air Sealing / Envelope Air Sealing / Envelope	Enclosure	SF	G	All 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 SF	G	8	0.09	- 0.18		Air Sealing / Envelope	Enclosure	SF	G	9	0.20	0.19	0.20 0.20	0.21	0.21	0.22	0.22
Air Sealing / Envelope Air Sealing / Envelope	Enclosure Enclosure	SF	G	10	0.19	0.18		Air Sealing / Envelope Air Sealing / Envelope	Enclosure Enclosure	SF	G	10	0.09		0.10 -	0.10		0.10	
Air Sealing / Envelope	Enclosure	SF	G	13	0.09			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 Attic Insulation	Enclosure Enclosure	SF	G	16	0.09	0.21		Attic Insulation Attic Insulation	Enclosure Enclosure	SF	G	4	0.26	0.45	0.28 0.47		0.49	0.30	0.52
Attic Insulation	Enclosure	MF	G	8	0.21	0.21		Attic Insulation	Enclosure	SF	G	6	0.26	0.42	0.27 0.44		0.46	0.30	0.46
Attic Insulation	Enclosure	MF	G	9	0.20	0.18		Attic Insulation	Enclosure	SF	G	8	0.23	0.28	0.24 0.29	0.25	0.31	0.26	0.32
Attic Insulation	Enclosure	MF	G	10	0.21	0.22		Attic Insulation	Enclosure	SF	G	9	0.25	0.39	0.27 0.41		0.44	0.29	0.46
Attic Insulation	Enclosure	MF	G	13	0.23	0.27		Attic Insulation	Enclosure	SF	G	10	0.25	0.36	0.26 0.37		0.39	0.28	0.41
Attic Insulation Attic Insulation	Enclosure Enclosure	MF	G	15	0.20	0.18		Attic Insulation Attic Insulation	Enclosure	SF	G	13 14	0.29	0.62	0.30 0.65		0.68	0.33	0.71
Attic Insulation	Enclosure	SF	G	4	0.26	0.42		Attic Insulation	Enclosure	SF	G	15	0.22	0.27	0.23 0.28		0.30	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		0.48	0.30	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)		(0.08)	0.04	(0.08)
Attic Insulation Attic Insulation	Enclosure	SF SF	G	8	0.23	0.27		Furnace Repair Furnace Repair	HVAC HVAC	MH	G	5	(1.42) (1.29)	(1.53) (1.40)	(1.49) (1.61) (1.36) (1.47)		(1.69) (1.55)	(1.65) (1.50)	(1.78) (1.63)
Aftic Insulation	Enclosure Enclosure	SF	G	9	0.25	0.38		Furnace Repair	HVAC	MH	G	6	(1.29)		(1.36) (1.4/)		(1.55)	(1.50)	(1.63)
Attic Insulation	Enclosure	SF	G	13	0.29	0.59		Furnace Repair	HVAC	MH	G	9	(1.43)		(1.50) (1.62)		(1.70)	(1.66)	(1.78)
Attic Insulation	Enclosure	SF	G	14	0.27	0.47		Furnace Repair	HVAC	MH	G	10	(0.93)	(1.04)	(0.97) (1.09)		(1.15)	(1.08)	(1.20)
Attic Insulation	Enclosure	SF	G	15	0.22	0.25		Furnace Repair	HVAC	MH	G	13	(1.15)		(1.22) (1.33)		(1.40)	(1.35)	(1.47)
Attic Insulation Furnace clean and tune	Enclosure HVAC	SF	G	16 All	0.26	0.41	_	Furnace Repair Furnace Repair	HVAC	MH	G	14	(1.03)	(1.14)	(1.09) (1.20)		(1.26)	(1.20)	(1.33)
Furnace Repair	HVAC	MF	G	5	(1.01)	(1.13)		Furnace Repair	HVAC	MH	G	16	(1.33)		(1.40) (1.52)		(1.60)	(1.55)	(1.68)
Furnace Repair	HVAC	MF	G	6	(0.75)	(0.87)		Furnace Repair	HVAC	SF	G	4	(1.90)	(2.01)	(2.00) (2.12)		(2.22)	(2.21)	(2.33)
Furnace Repair	HVAC	MF	G	8	(0.83)	(0.95)		Furnace Repair	HVAC	SF	G	5	(1.77)				(2.08)	(2.06)	(2.18)
Furnace Repair	HVAC HVAC	MF	G	9	(0.65)	(0.76)		Furnace Repair	HVAC	SF	G	6	(1.78)	(1.89)	(1.87) (1.99) (2.08) (2.20)		(2.09)	(2.07)	(2.19)
Furnace Repair Furnace Repair	HVAC	MH	G	10	(0.81) (1.34)	(0.93) (1.46)		Furnace Repair Furnace Repair	HVAC	SF	G	8	(1.98) (2.16)	(2.09)	(2.08) (2.20) (2.27) (2.39)		(2.31) (2.51)	(2.30) (2.51)	(2.43) (2.63)
Furnace Repair	HVAC	MH	G	6	(1.22)	(1.34)		Furnace Repair	HVAC	SF	G	10	(0.99)	(1.10)	(1.04) (1.16)		(1.22)	(1.15)	(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)	(1.52)	(1.47)	(1.60)
Furnace Repair	HVAC	MH	G	9	(1.35)	(1.47)		Furnace Repair	HVAC	SF	G	14	(0.89)	(1.01)	(0.94) (1.06)		(1.11)	(1.04)	(1.17)
Furnace Repair Furnace Repair	HVAC	MH	G	10	(0.87)	(0.99)		Furnace Repair Furnace Repair	HVAC	SF	G	15	(1.09)	(1.21)	(1.15) (1.27) (1.94) (2.05)		(1.33)	(1.28)	(1.40) (2.27)
Furnace Repair	HVAC	MH	G	13	(0.97)	(1.21)		Smart Thermostat	HVAC	MH	G	5	0.11	0.04	0.12 0.05		0.05	0.13	0.05
Furnace Repair	HVAC	MH	G	15	(0.83)	(0.95)		Smart Thermostat	HVAC	MH	G	6	0.11	0.04	0.12 0.05	0.12	0.05	0.12	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		0.04	0.12	0.04
Furnace Repair	HVAC	SF	G	4	(1.80)	(1.92)		Smart Thermostat	HVAC	MH	G	9	0.11	0.03	0.11 0.04		0.04	0.12	0.04
Furnace Repair	HVAC	SF	G	5	(1.68)	(1.79)		Smart Thermostat Smart Thermostat	HVAC	MH	G	10	0.10	0.02	0.10 0.02		0.02	0.11	0.02
Furnace Repair Furnace Repair	HVAC	SF	G	8	(1.88)	(1.80)		Smart Thermostat Smart Thermostat	HVAC	MH	G	13	0.11	0.04	0.12 0.05		0.05	0.12	0.05
Furnace Repair	HVAC	SF	G	9	(2.05)	(2.17)		Smart Thermostat	HVAC	MH	G	15	0.10	0.02	0.10 0.03		0.03	0.11	0.03
Furnace Repair	HVAC	SF	G	10	(0.93)	(1.05)		Smart Thermostat	HVAC	MH	G	16	0.13		0.14 0.08		0.08	0.15	0.09
Furnace Repair	HVAC	SF	G	13	(1.19)	(1.31)		Smart Thermostat	HVAC	SF	G	4	0.14		0.14 0.09		0.09	0.15	0.10
Furnace Repair Furnace Repair	HVAC HVAC	SF SF	G	14	(0.84) (1.03)	(0.96) (1.15)	_	Smart Thermostat Smart Thermostat	HVAC HVAC	SF	G	5	0.14	0.08	0.14 0.09 0.13 0.07		0.09	0.15	0.10
Furnace Repair	HVAC	SF	G	15	(1.03)	(1.15) (1.86)	-	Smart Thermostat Smart Thermostat	HVAC	SF	G	8	0.13	0.05	0.13 0.07		0.07	0.14	0.08
Smart Thermostat	HVAC	MF	G	5	0.09	0.02		Smart Thermostat	HVAC	SF	G	9	0.13	0.07	0.13 0.07	0.14	0.07	0.14	0.08
Smart Thermostat	HVAC	MF	G	6	0.10	0.03		Smart Thermostat	HVAC	SF	G	10	0.13	0.08	0.14 0.08		0.08	0.15	0.09
Smart Thermostat Smart Thermostat	HVAC HVAC	MF	G	8	0.10	0.03		Smart Thermostat Smart Thermostat	HVAC	SF	G	13 14	0.14	0.09	0.14 0.09 0.15 0.10		0.09	0.15	0.10
Smart Thermostat Smart Thermostat	HVAC	MF	G	9	0.10	0.03		Smart Thermostat Smart Thermostat	HVAC	SF	G	14	0.14		0.15 0.10		0.11	0.16	0.11
Smart Thermostat	HVAC	MF	G	16	0.12	0.06		Smart Thermostat	HVAC	SF	G	16	0.14	0.08	0.14 0.09	0.15	0.09	0.15	0.10
Smart Thermostat	HVAC	MH	G	5	0.11	0.04		HEFAU Early Replace	HVAC	MH	G	5	0.18		0.18 0.11		0.12	0.20	0.12
Smart Thermostat Smart Thermostat	HVAC HVAC	MH	G	6	0.11	0.04		HEFAU Early Replace HEFAU Early Replace	HVAC	MH	G	6	0.15	0.05	0.15 0.05		0.05	0.16	0.06
Smart Thermostat Smart Thermostat	HVAC HVAC	MH	G	8	0.10	0.03		HEFAU Early Replace HEFAU Early Replace	HVAC	MH	G	8	0.14	0.04	0.15 0.04		0.05	0.16	0.05
Smart Thermostat	HVAC	MH	G	10	0.09	0.03		HEFAU Early Replace	HVAC	MH	G	10	0.15	0.05	0.15 0.05		0.06	0.16	0.07
Smart Thermostat	HVAC	MH	G	13	0.03	0.04		HEFAU Early Replace	HVAC	MH	G	13	0.17		0.17 0.09		0.09	0.18	0.10
Smart Thermostat	HVAC	MH	G	14	0.11	0.04		HEFAU Early Replace	HVAC	MH	G	14	0.16	0.08	0.17 0.08		0.09	0.18	0.09
Smart Thermostat	HVAC	MH	G	15	0.10	0.02	_	HEFAU Early Replace	HVAC	MH	G	15	0.14	0.03	0.14 0.03		0.03	0.15	0.04
Smart Thermostat	HVAC	MH	G	16	0.13	0.07	_	HEFAU Early Replace HEFAU Early Replace	HVAC	MH	G	16	0.18	0.11	0.18 0.11		0.12	0.20	0.13
Smart Thermostat Smart Thermostat	HVAC	SF	G	4	0.13	0.08		HEFAU Early Replace	HVAC	SF	G	6	0.20	0.16	0.16 0.07		0.18	0.22	0.18
Smart Thermostat	HVAC	SF	G	6	0.12	0.06	_	HEFAU Early Replace	HVAC	SF	G	8	0.15	0.06	0.16 0.06	0.16	0.06	0.17	0.07
Smart Thermostat	HVAC	SF	G	8	0.12	0.05		HEFAU Early Replace	HVAC	SF	G	9	0.17				0.10	0.19	0.11
Smart Thermostat	HVAC HVAC	SF	G	9	0.12	0.06	_	HEFAU Early Replace	HVAC	SF	G	10	0.18	0.11	0.18 0.11		0.12	0.20	0.12
Smart Thermostat Smart Thermostat	HVAC HVAC	SF	G	10	0.13	0.07		HEFAU Early Replace HEFAU Early Replace	HVAC	SF	G	13	0.18		0.19 0.12 0.14		0.12	0.20	0.13
Smart Thermostat	HVAC	SF	G	14	0.14	0.08		HEFAU Early Replace	HVAC	SF	G	14	0.15	0.06	0.16 0.07		0.14	0.21	0.13
Smart Thermostat	HVAC	SF	G	15	0.12	0.06		HEFAU Early Replace	HVAC	SF	G	16	0.19	0.13	0.19 0.13	0.20	0.14	0.21	0.15
Smart Thermostat	HVAC	SF	G	16	0.13	0.08		HEFAU On Burnout	HVAC	MH	G	5	0.16		0.17 0.09		0.09	0.18	0.09
HEFAU Early Replace	HVAC	MF	G	6	0.13	0.02	_	HEFAU On Burnout	HVAC	MH	G	6	0.14	0.04	0.15 0.04		0.05	0.16	0.05
HEFAU Early Replace HEFAU Early Replace	HVAC HVAC	MF	G	8	0.13	0.02		HEFAU On Burnout HEFAU On Burnout	HVAC HVAC	MH	G	8	0.13	0.03	0.14 0.03 0.15 0.05		0.03	0.14	0.03
HEFAU Early Replace	HVAC	MH	G	5	0.14	0.02		HEFAU On Burnout	HVAC	MH	G	10	0.14		0.15 0.05		0.05	0.16	0.05
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Energy Savings Assistance Program Cost-Effectiveness - Weather Sensitive Measures (PY2022-2026) Table 6

Notes: 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.

HEFAU Early Replace	HVAC	MH	٦ - T	-	0.15	0.05	_	HEFAU On Burnout	HVAC	MH	6	13	0.16	0.08	0.17	0.08	0.17	0.09	0.18	
	HVAC	MH	G	6	0.15	0.05			HVAC HVAC	MH	G	13	0.16	0.08	0.17		0.17	0.09		0.09
HEFAU Early Replace				-				HEFAU On Burnout						0.00		0.09				0.10
HEFAU Early Replace	HVAC	MH	G	9	0.15	0.05		HEFAU On Burnout	HVAC	MH	G	15	0.14	0.03	0.14	0.03	0.14	0.03		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	0.10	0.19	0.11		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	0.10		0.11
HEFAU Early Replace	HVAC	MH	G	14	0.17	0.08		HEFAU On Burnout	HVAC	SF	G	5	0.16	0.08	0.17	0.08	0.17	0.09		0.09
HEFAU Early Replace	HVAC	MH	G	15	0.14	0.03		HEFAU On Burnout	HVAC	SF	G	6	0.16	0.08	0.17	0.08	0.17	0.08		0.09
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	0.04		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	0.07		0.07
HEFAU Early Replace	HVAC	SF	G	6	0.16	0.07		HEFAU On Burnout	HVAC	SF	G	10	0.16	0.07	0.17	0.08	0.17	0.08		0.08
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	0.09	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	0.12	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	0.05	0.16	0.05
HEFAU Early Replace	HVAC	SF	G	13	0.18	0.11		HEFAU On Burnout	HVAC	SF	G	16	0.16	0.08	0.17	0.08	0.17	0.09	0.18	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	0.60	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	0.74	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	0.44		0.47
HEFAU On Burnout	HVAC	MF	G	6	0.13	0.02		HE Wall Furnace Early Replace	HVAC	SF	G	8	0.23	0.26	0.24	0.27	0.25	0.29	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	0.41	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	0.41		0.43
HEFAU On Burnout	HVAC	ME	G	10	0.12	0.01		HE Wall Furnace Early Replace	HVAC	SF	G	13	0.29	0.57	0.31	0.60	0.32	0.63		0.66
HEFAU On Burnout	HVAC	MH	G	5	0.12	0.08		HE Wall Furnace Early Replace	HVAC	SF	G	14	0.31	0.69	0.32	0.72	0.34	0.76		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	0.24		0.25
HEFAU On Burnout	HVAC	MH	G	8	0.14	0.04		HE Wall Furnace Early Replace	HVAC	SF	G	16	0.32	0.85	0.23	0.23	0.24	0.24		0.23
HEFAU On Burnout	HVAC	MH	G	9	0.14	0.02	_	HE Wall Furnace On Burnout	HVAC	SF	G	4	0.32	0.63	0.34	0.45	0.30	0.54		0.50
HEFAU On Burnout	HVAC	MH	G	10	0.15	0.04	_	HE Wall Furnace On Burnout	HVAC	SF	G	5	0.27	0.43	0.28	0.45	0.30	0.47		0.61
HEFAU On Burnout	HVAC	MH	G	10	0.16	0.05	_	HE Wall Furnace On Burnout	HVAC	SF	G	6	0.29	0.52	0.30	0.55	0.31	0.35		0.37
HEFAU On Burnout	HVAC	MH	G	13	0.16	0.07		HE Wall Furnace On Burnout	HVAC	SF	G	8	0.25	0.31	0.26	0.33	0.27	0.35		0.37
HEFAU On Burnout	HVAC	MH	G	14	0.17	0.08		HE Wall Furnace On Burnout	HVAC	SF	G	9	0.22	0.20	0.22	0.21	0.23	0.23		0.24
HEFAU On Burnout	HVAC	MH	6	15	0.14	0.03		HE Wall Furnace On Burnout	HVAC	SF	6	9	0.24	0.29	0.25	0.31	0.26	0.33		0.34
		SF	G	16		0.09			HVAC	SF	G	10								
HEFAU On Burnout	HVAC			-	0.17			HE Wall Furnace On Burnout					0.27	0.45	0.29	0.47	0.30	0.50		0.52
HEFAU On Burnout HEFAU On Burnout	HVAC	SF	G	5	0.17	0.07		HE Wall Furnace On Burnout	HVAC	SF	G	14	0.29	0.54	0.30	0.56	0.32	0.59		0.62
	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	0.19		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	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Burnout	HVAC	SF	G	9	0.16	0.06		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout	HVAC HVAC	SF SF	G	9 10	0.16	0.06 0.07		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout	HVAC HVAC HVAC	SF SF SF	G G G	9 10 13	0.16 0.16 0.17	0.06 0.07 0.08		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout	HVAC HVAC HVAC HVAC	SF SF SF SF	G G G G	9 10 13 14	0.16 0.16 0.17 0.18	0.06 0.07 0.08 0.10		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout	HVAC HVAC HVAC HVAC HVAC	SF SF SF SF SF	G G G G	9 10 13 14 15	0.16 0.16 0.17 0.18 0.15	0.06 0.07 0.08 0.10 0.04		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout HEFAU On Burnout	HVAC HVAC HVAC HVAC HVAC HVAC	SF SF SF SF SF SF	G G G G G G	9 10 13 14 15 16	0.16 0.17 0.18 0.15 0.17	0.06 0.07 0.08 0.10 0.04 0.07		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Burnout	НVAC НVAC НVAC НVAC НVAC НVAC НVAC НVAC	SF SF SF SF SF SF MF	G G G G G G	9 10 13 14 15 16 5	0.16 0.17 0.18 0.15 0.15 0.17 0.32	0.06 0.07 0.08 0.10 0.04 0.07 0.70		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Burnout HE Wall Furnace Early Replace HE Wall Furnace Early Replace	НVAC НVAC НVAC НVAC НVAC НVAC НVAC НVAC	SF SF SF SF SF MF MF	G G G G G G G	9 10 13 14 15 16 5 6	0.16 0.17 0.18 0.15 0.17 0.17 0.32 0.29	0.06 0.07 0.08 0.10 0.04 0.07 0.70 0.70 0.49		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU In Burnout HEFAU In Burnout HEFAU States Early Replace HE Wail Furnace Early Replace	Нулс Нулс Нулс Нулс Нулс Нулс Нулс Нулс	SF SF SF SF SF MF MF MF	G G G G G G	9 10 13 14 15 16 5	0.16 0.16 0.17 0.18 0.15 0.17 0.32 0.29 0.26	0.06 0.07 0.08 0.10 0.04 0.07 0.70 0.49 0.34		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Burnout HE Wal Furnace Early Replace HE Wal Furnace Early Replace HE Wal Furnace Early Replace	НИАС НУАС НУАС НУАС НУАС НУАС НУАС НУАС НУ	SF SF SF SF MF MF MF MF	G G G G G G G	9 10 13 14 15 16 5 6	0.16 0.17 0.18 0.15 0.17 0.32 0.29 0.28	0.06 0.07 0.08 0.10 0.04 0.07 0.70 0.49 0.34 0.44		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU In Burnout HEFAU In Burnout HEFAU States Early Replace HE Wail Furnace Early Replace	Нулс Нулс Нулс Нулс Нулс Нулс Нулс Нулс	SF SF SF SF SF MF MF MF	G G G G G G G G G	9 10 13 14 15 16 5 6 8	0.16 0.16 0.17 0.18 0.15 0.17 0.32 0.29 0.26	0.06 0.07 0.08 0.10 0.04 0.07 0.70 0.49 0.34		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Burnout HE Wall Furnace Early Replace HE Wall Furnace Early Replace HE Wall Furnace Early Replace HE Wall Furnace Early Replace	НИАС НИАС НИАС НИАС НИАС НИАС НИАС НИАС	SF SF SF SF MF MF MF MF MF SF	G G G G G G G G G G G G G G	9 10 13 14 15 16 5 6 8 9 10 4	0.16 0.17 0.18 0.15 0.17 0.32 0.29 0.26 0.28 0.27 0.29	0.06 0.07 0.08 0.10 0.04 0.07 0.70 0.70 0.49 0.34 0.34 0.44 0.40 0.52		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HE Wall Furance Entry Replace	HVAC	SF SF SF SF SF MF MF MF SF SF	G G G G G G G G G G G G	9 10 13 14 15 16 5 6 8 9 10	0.16 0.17 0.18 0.15 0.17 0.32 0.29 0.26 0.28 0.27 0.29 0.28 0.27 0.29 0.31	0.06 0.07 0.08 0.04 0.07 0.70 0.49 0.34 0.44 0.44 0.40 0.52 0.84		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU ON Burnout Early Replace HEF Wail Furnace Early Replace	HVAC	SF SF SF SF MF MF MF SF	G G G G G G G G G G G G G G G	9 10 13 14 15 16 5 6 8 9 10 4 5 6 6	0.16 0.17 0.18 0.17 0.17 0.17 0.22 0.29 0.26 0.28 0.27 0.27 0.29 0.21 0.27	0.06 0.07 0.08 0.10 0.04 0.07 0.70 0.49 0.34 0.44 0.40 0.52 0.64 0.38		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HE Wall Furance Entry Replace	HVAC	SF SF SF SF SF MF MF MF SF SF	G G G G G G G G G G G G G	9 10 13 14 15 16 5 6 8 9 10 4 5	0.16 0.17 0.18 0.15 0.17 0.32 0.29 0.26 0.28 0.27 0.29 0.28 0.27 0.29 0.31	0.06 0.07 0.08 0.10 0.04 0.07 0.70 0.49 0.34 0.44 0.40 0.52 0.64 0.52 0.64 0.38 0.25		HE Wall Furnace On Burnout	HVAC	ŞF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU ON Burnout Early Replace HEF Wall Furnace Early Replace	HVAC	SF SF SF SF MF MF MF SF	G G G G G G G G G G G G G G G	9 10 13 14 15 16 5 6 8 9 10 4 5 6 6	0.16 0.17 0.18 0.17 0.17 0.17 0.22 0.29 0.26 0.28 0.27 0.27 0.29 0.21 0.27	0.06 0.07 0.08 0.10 0.04 0.07 0.70 0.49 0.34 0.44 0.40 0.52 0.64 0.38		HE Wall Furnace On Burnout	HVAC	ŞF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burrout HEFAU Furnace Entry Replace HE Wal Furnace Entry Replace	HVAC	87 87 87 87 87 87 87 97 97 97 97 97 87 87 87 87 87 87	G G G G G G G G G G G G G G G G G	9 10 13 14 15 5 6 8 9 10 4 5 6 8	0.16 0.17 0.18 0.17 0.18 0.29 0.29 0.28 0.27 0.29 0.27 0.29 0.27 0.29 0.27 0.22	0.06 0.07 0.08 0.10 0.04 0.07 0.70 0.49 0.34 0.44 0.40 0.52 0.64 0.52 0.64 0.38 0.25		HE Wall Furnace On Burnout	HVAC	ŞF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Burnout HE Wail Furnace Early Replace HE Wail Furnace Early Replace	HVAC	12 12 13 13 13 14 14 14 14 14 14 14 14 14 14 14 14 14	G G G G G G G G G G G G G G G G G G	9 10 13 14 15 16 6 8 9 10 4 5 6 8 9 9 9	0.16 0.17 0.17 0.18 0.15 0.28 0.28 0.28 0.28 0.27 0.28 0.27 0.28 0.31 0.27 0.23 0.23 0.23	0.06 0.07 0.08 0.10 0.04 0.70 0.70 0.34 0.34 0.49 0.34 0.40 0.52 0.64 0.38 0.25 0.36		HE Wall Furnace On Burnout	HVAC	Ş	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFALO no humon HEFALO humon	HVAC	5F 5F 5F 5F 5F 5F 5F 5F 5F 5F 5F 5F 5F 5	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9 10 13 14 15 6 8 9 10 4 5 6 8 9 10 10 10	0.16 0.17 0.17 0.18 0.15 0.29 0.29 0.29 0.28 0.27 0.29 0.29 0.27 0.29 0.27 0.29 0.27 0.29 0.27 0.29 0.27 0.22 0.22 0.22	0.06 0.07 0.08 0.00 0.04 0.07 0.70 0.44 0.44 0.44 0.44		HE Wall Furnace On Burnout	HVAC	ŞF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnoul HEFAU Furnoul Early Replace HEFAU Furnoul Early Replace	HNAC	51 51 51 51 51 51 51 51 51 51	6 6 6 6 6 6 6 6 6 6 6 6 6 6	9 10 13 14 15 16 6 8 9 10 4 5 6 8 9 10 4 5 6 8 9 10 13 10 10 10 10 10 10 10 10 10 10	0.16 0.17 0.18 0.17 0.18 0.28 0.28 0.28 0.28 0.28 0.29 0.29 0.29 0.29 0.29 0.29 0.29 0.29	0.06 0.07 0.08 0.10 0.04 0.07 0.70 0.20 0.49 0.34 0.49 0.52 0.64 0.52 0.36 0.25 0.36 0.36		HE Wall Furnace On Burnout	HVAC	ŞF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Burnout HE Wail Furnace Early Replace HE Wail Furnace Early Replace	HVAC	51 51 51 51 51 51 51 51 51 51	6 6 6 6 6 6 6 6 6 6 6 6 6 6	9 10 13 14 15 6 8 9 10 4 5 6 8 9 10 4 5 6 8 9 10 13 14 15 16 16 16 16 10 10 16 16 16 10 10 10 10 10 10 10 10 10 10	0.16 0.17 0.18 0.17 0.18 0.29 0.29 0.29 0.29 0.29 0.29 0.29 0.27 0.29 0.27 0.29 0.27 0.29 0.27 0.29 0.22 0.20 0.20 0.20 0.20 0.20 0.20	0.06 0.07 0.08 0.010 0.07 0.70 0.34 0.44 0.44 0.44 0.52 0.64 0.38 0.25 0.36 0.36 0.36 0.36 0.354 0.554		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burroad HEFAU ON BURROA HEFAU ON BURROA HEFAU ON BURROA HEFAU I Furnace Enly Replace HEFAU Furnace Enly Replace	HVAC	51 51 51 51 51 51 51 51 51 51	6 G G G G G G G G G G G G G	9 10 13 14 15 5 6 8 9 10 4 5 6 8 9 10 10 13 14 15 15 10 10 10 10 10 10 10 10 10 10	0.16 0.17 0.18 0.17 0.18 0.17 0.28 0.28 0.28 0.28 0.28 0.27 0.29 0.29 0.27 0.23 0.27 0.23 0.27 0.23 0.26 0.26 0.26 0.26 0.27 0.23 0.23 0.23 0.26 0.26 0.26 0.27 0.28 0.27 0.28 0.28 0.27 0.28 0.28 0.28 0.29 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28	0.06 0.07 0.08 0.04 0.07 0.70 0.49 0.34 0.49 0.52 0.52 0.52 0.38 0.38 0.38 0.38 0.38 0.54 0.54 0.54 0.55		HE Wall Furnace On Burrout	HVAC	SF	6	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnoul HEFAU DI Furnoac Early Replace HEFAU Furnoac Early Replace	HVAC	87 87 87 87 87 87 87 87 87 87 87 87 87 8	6 6 6 6 6 6 6 6 6 6 6 6 6 6	9 10 13 14 15 6 8 9 10 4 6 8 9 10 4 6 8 9 10 13 14 15 16 10 10 10 10 10 10 10 10 10 10	0.16 0.17 0.17 0.18 0.18 0.19 0.28 0.28 0.28 0.28 0.27 0.28 0.27 0.29 0.21 0.22 0.23 0.22 0.23 0.22 0.23 0.22 0.23 0.23	0.06 0.07 0.08 0.10 0.44 0.44 0.44 0.44 0.52 0.64 0.55 0.38 0.25 0.36 0.36 0.55 0.54 0.65 0.21 0.61		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burrout HEFAU IN Furnose Enly Replace HE Wal Furnace Enly Replace	HNG HNG HNG	57 57 57 57 57 57 57 57 57 57	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9 10 13 14 15 6 8 9 10 4 6 8 9 10 4 6 8 9 10 13 14 15 16 10 10 10 10 10 10 10 10 10 10	0.16 0.17 0.17 0.18 0.17 0.29 0.29 0.29 0.29 0.29 0.29 0.29 0.29	0.06 0.07 0.08 0.10 0.04 0.04 0.34 0.44 0.44 0.44 0.52 0.64 0.52 0.36 0.55 0.36 0.55 0.36 0.55 0.36 0.55 0.36 0.55		HE Wall Furnace On Burrout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnoul HEFAU Furnace Errly Replace HEFAU Furnace Coll Replace HEFAU FUR FUR FUR FUR FUR FUR FUR FUR FUR FU	HNG HNG HNG	87 87 87 87 87 87 87 87 87 87 87 87 87 8	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9 10 13 14 15 5 6 8 9 10 4 5 6 8 9 10 13 14 15 15 10 10 10 10 10 10 10 10 10 10	0.16 0.16 0.17 0.17 0.15 0.15 0.28 0.28 0.28 0.28 0.27 0.23 0.27 0.23 0.27 0.23 0.26 0.27 0.23 0.26 0.27 0.28 0.29 0.29 0.29 0.29 0.29 0.29 0.29 0.29	0.06 0.07 0.08 0.10 0.04 0.07 0.70 0.70 0.49 0.34 0.44 0.44 0.52 0.64 0.52 0.54 0.55 0.25 0.26 0.21 0.65 0.21 0.81 0.55 0.38 0.27		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.0.78
HEFAU On Burnout HEFAU	HVAC	87 87 87 87 87 87 87 87 87 87 87 87 87 8	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9 10 13 14 15 6 8 9 10 4 5 6 9 10 4 5 6 11 12 13 14 15 10 4 5 6 8 9	0.16 0.17 0.17 0.19 0.15 0.22 0.23 0.23 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	0.08 0.07 0.08 0.04 0.04 0.07 0.70 0.44 0.44 0.44 0.44		HE Wall Furnace On Burrout	HVAC	SF	<u> </u>	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.078
HEFAU On Burnoul HEFAU I Furnace Early Replace HEFAU I Furnace Carly Replace HEFAU I Furnace Co Burnoul HEFAU I Furnace Co Burnoul HEFAU I Furnace Co Burnoul HEFAU I Furnace Co Burnoul HEFAU I Furnace Co Burnoul	HNG HNG HNG	87 87 87 87 87 87 87 87 87 87 87 87 87 8	G G	9 10 11 14 15 16 6 9 10 4 5 6 8 9 10 13 14 5 6 8 9 10 13 14 5 6 8 9 10 13 14 5 6 8 9 10 13 14 15 6 8 9 10 10	0.16 0.17 0.17 0.17 0.17 0.17 0.27 0.29 0.29 0.29 0.29 0.29 0.29 0.27 0.27 0.27 0.27 0.23 0.27 0.23 0.29	0.06 0.07 0.08 0.04 0.04 0.07 0.70 0.34 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.4		HE Wall Furnace On Burnout	HVAC	ŞF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.0.78
HEFAU On Burrout HEFAU I Furnace Enly Replace HEFAU I Furnace On Burnout HEFAU	HVAC	SF SF SF SF SF MF MF MF MF SF MF		9 10 13 14 15 6 8 9 10 4 5 6 9 10 4 5 6 11 12 13 14 15 10 4 5 6 8 9	0.16 0.17 0.17 0.17 0.15 0.22 0.28 0.28 0.28 0.27 0.22 0.27 0.23 0.27 0.23 0.27 0.23 0.27 0.23 0.27 0.23 0.27 0.23 0.26 0.27 0.25 0.24 0.25	0.06 0.07 0.08 0.10 0.04 0.07 0.70 0.70 0.70 0.49 0.34 0.44 0.52 0.38 0.25 0.38 0.25 0.38 0.55 0.38 0.55 0.21 0.64 0.65 0.21 0.64 0.65 0.21 0.64 0.65 0.21 0.64 0.65 0.21 0.64 0.65 0.21 0.64 0.65 0.64 0.65 0.64 0.65 0.64 0.65 0.64 0.65 0.64 0.65 0.64 0.65 0.64 0.64 0.65 0.64 0.65 0.64 0.65 0.64 0.65 0.64 0.65 0.64 0.65 0.64 0.65 0.64 0.65 0.64 0.65 0.64 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65		HE Wall Furnace On Burrout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.0.78
HEFAU On Burnoul HEFAU I Furnace Enly Replace HEFAU I Furnace Childronu HEFAU I Furnace Childronu	HNAC HNAC	57 57 57 57 57 57 57 57 57 57	G G	9 10 11 14 15 16 6 9 10 4 5 6 9 10 4 5 6 9 10 13 14 15 16 6 8 9 10 13 14 15 6 8 9 10 13 14 15 6 8 9 10 11 12 13 14 15 16 17 18 19 10 10 10 <td>0.16 0.17 0.17 0.17 0.17 0.17 0.27 0.29 0</td> <td>0.06 0.07 0.08 0.04 0.04 0.07 0.70 0.04 0.34 0.44 0.42 0.64 0.62 0.38 0.38 0.38 0.38 0.25 0.38 0.25 0.38 0.25 0.38 0.21 0.55 0.21 0.55 0.38 0.27 0.21 0.41 0.55 0.38 0.27 0.21 0.41 0.55 0.38 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45</td> <td></td> <td>HE Wall Furnace On Burnout</td> <td>HVAC</td> <td>ŞF</td> <td>G</td> <td>16</td> <td>0.31</td> <td>0.67</td> <td>0.32</td> <td>0.70</td> <td>0.33</td> <td>0.74</td> <td>0.35</td> <td>0.78</td>	0.16 0.17 0.17 0.17 0.17 0.17 0.27 0.29 0	0.06 0.07 0.08 0.04 0.04 0.07 0.70 0.04 0.34 0.44 0.42 0.64 0.62 0.38 0.38 0.38 0.38 0.25 0.38 0.25 0.38 0.25 0.38 0.21 0.55 0.21 0.55 0.38 0.27 0.21 0.41 0.55 0.38 0.27 0.21 0.41 0.55 0.38 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45		HE Wall Furnace On Burnout	HVAC	ŞF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burrout HEFAU I Furnace Enly Replace HEFAU Furnace On Burnout HEFAU FURFEROUT HEFAU FU	HVAC	87 87 87 87 87 87 87 87 87 87 87 87 87 8	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9 10 13 14 15 6 0 0 10 10 10 11 11 11 15 16 10 11 14 15 16 17 18 18 19 10 11 12 13 14 15 16 17 18 19 110 111 111 112 113 114 114 114 114 115 116 117 118 119 110 111 111	0.16 0.17 0.17 0.17 0.15 0.22 0.28 0.28 0.28 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	0.06 0.07 0.03 0.04 0.04 0.07 0.70 0.49 0.44 0.44 0.44 0.65 0.52 0.54 0.55 0.55 0.55 0.55 0.55 0.55 0.55		HE Wall Furnace On Burrout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burroud HEFAU In Furnace Enly Replace HEF Wal Furnace On Burnout HEF Wal Furnace On	HVAC HVAC	57 57 57 57 57 57 57 57 57 57	G G	9 10 11 14 15 6 6 7 10 4 5 6 9 10 11 12 13 14 5 6 8 9 10 13 14 5 6 8 9 10 13 5 6 8 9 10 15 6 8 9 10 11 5 6 8 9 10 11 12 13 14 5 6 <t< td=""><td>0.16 0.17 0.17 0.17 0.17 0.17 0.27 0.29 0.25 0</td><td>0.06 0.07 0.06 0.04 0.07 0.70 0.49 0.44 0.44 0.44 0.42 0.64 0.55 0.38 0.25 0.38 0.25 0.38 0.25 0.38 0.21 0.55 0.38 0.21 0.55 0.38 0.27 0.31 0.31 0.33 0.30 0.55 0.33 0.33</td><td></td><td>HE Wall Furnace On Burnout</td><td>HVAC</td><td>SF</td><td>6</td><td>16</td><td>0.31</td><td>0.67</td><td>0.32</td><td>0.70</td><td>0.33</td><td>0.74</td><td>0.35</td><td>0.78</td></t<>	0.16 0.17 0.17 0.17 0.17 0.17 0.27 0.29 0.25 0	0.06 0.07 0.06 0.04 0.07 0.70 0.49 0.44 0.44 0.44 0.42 0.64 0.55 0.38 0.25 0.38 0.25 0.38 0.25 0.38 0.21 0.55 0.38 0.21 0.55 0.38 0.27 0.31 0.31 0.33 0.30 0.55 0.33 0.33		HE Wall Furnace On Burnout	HVAC	SF	6	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burrout HEFAU On Surrout HEFAU I Furnace Enty Replace HEFAU I Furnace Ch Burrout HEFAU I Furnace ON B	HVAC	8 F 8 F 8 F 8 F 8 F 8 F 8 F 8 F		9 10 13 14 15 6 8 9 10 11 15 6 8 9 10 13 14 15 6 8 9 10 13 14 15 6 8 9 10 13 14 15 6 8 9 10 11 16 17 18 19 10 11 12 13 14 5 6 8 9	0.16 0.17 0.17 0.19 0.15 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.2	0.06 0.07 0.08 0.04 0.07 0.70 0.49 0.44 0.44 0.44 0.52 0.64 0.52 0.64 0.38 0.25 0.38 0.25 0.38 0.25 0.38 0.25 0.38 0.25 0.38 0.55 0.38 0.55 0.38 0.55 0.27 0.34 0.55 0.27 0.34 0.55 0.27 0.34 0.55 0.27 0.34 0.55 0.27 0.34 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.5		HE Wall Furnace On Burrout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Sumout HEFAU IN Furnace Early Replace HEF Wal Furnace Color Replace HEF Wal Furnace Color Replace HEF Wal Furnace On Burnout HEF Wal Fur	HNAC HNAC	57 57 57 57 57 57 57 57 57 57	G G G G	9 10 113 14 15 6 6 7 4 6 7 10 4 6 7 10 4 6 8 9 10 14 15 16 8 9 10 4 6 8 9 10 4 5 6 8 9 10 4 5 6 8 9 10 10	0.16 0.17 0.17 0.17 0.17 0.17 0.27 0.29 0.24 0.24 0.24 0.24 0.24 0.25 0.24 0.24 0.24 0.25 0.24 0.24 0.24 0.25 0.25 0.24 0.24 0.24 0.25 0.25 0.25 0.24 0.24 0.24 0.25 0.25 0.25 0.24 0.24 0.24 0.25 0.25 0.25 0.24 0.24 0.24 0.24 0.25 0.25 0.24 0.24 0.24 0.24 0.25 0.25 0.24	0.06 0.07 0.08 0.10 0.04 0.04 0.04 0.04 0.04 0.04 0.04		HE Wall Furnace On Burrout	HVAC	SF	6	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.0.78
HEFAU On Burnoul HEFAU On Surroul HEFAU ON SURROUN HEFAU HFAURGE ON SURroul HEFAU Furnase ON Surroul HEFAU Furnase ON Surroul HEFAU IFurnase ON Surroul HEFAU IFurnase ON Surroul HEFAU IFurnase ON Surroul HEFAU IFURASE ON SURROUN HEFAU Furnase ON Surroul HEFAU IFURASE ON SURROUN HEFAU I	HVAC HVAC	SF SF SF SF SF SF MF MF MF SF SF <	G G	9 10 13 14 15 6 6 7 10 4 6 6 7 10 4 6 8 9 10 4 6 6 7 13 14 5 6 6 8 9 10 4 5 6 8 9 10 10	0.16 0.16 0.17 0.17 0.15 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.2	0.06 0.07 0.08 0.07 0.04 0.07 0.40 0.40 0.40 0.40 0.40		HE Wall Furnace On Burrout	HVAC	SF	6	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout HEFAU On Sumout HEFAU E with Furnace Early Replace HEF Wait Furnace On Burnood HEF Wait Furnace On B	HNAC HNAC	87 87 87 87 87 87 87 87 87 87 87 87 87 8	G G	9 10 113 14 15 16 6 8 9 10 4 5 6 6 7 13 14 5 6 9 10 14 5 6 9 10 4 6 8 9 10 4 5 6 8 9 10 13 4 5 6 8 9 10 13	0.16 0.17 0.17 0.17 0.17 0.27 0.29 0.29 0.29 0.29 0.29 0.29 0.27 0.27 0.27 0.29 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.24 0.28 0	0.08 0.07 0.08 0.04 0.04 0.04 0.04 0.04 0.04 0.04		HE Wall Furnace On Burrout	HVAC	SF	<u> </u>	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFALO R burnad HEFALO	HVAC HVAC	SF SF SF SF SF SF MF MF MF SF SF <	G G	9 10 13 14 15 6 6 7 10 4 6 6 7 10 4 6 8 9 10 4 6 6 7 13 14 5 6 6 8 9 10 4 5 6 8 9 10 10	0.16 0.16 0.17 0.17 0.15 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.2	0.06 0.07 0.08 0.07 0.04 0.07 0.40 0.40 0.40 0.40 0.40		HE Wall Furnace On Burrout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78

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.

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.

-- 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 Ter 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 there added to IOU ESA portfolios per OP-59 to help increase ESACET scores and/or provide greater consistency with ESA measures direct you their 20uk-1005 did not adjust their authorized ESA budgets.

Pacific Gas and Electric Company		<u> </u>															
Measure					2022	Measure				20	23	20	24	202	25		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	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	-	-	-	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 MF	G		-	New - Freezer	Appliance	SF, MH	G			-	-				
New - Freezer New - Freezer	Appliance	MF	G		-	New - Freezer New - Freezer	Appliance	MF	E	-		-	-	-	-	-	
	Appliance		E				Appliance	SF. MH	E	3.39							
Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	SF, MH SF, MH	G	2.76	0.69	Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	SF, MH SF, MH	G		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 MF	F	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 Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	MF	G	2.76	0.69	Low Flow Shower Heads/Faucet Aerators Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	MF	G	•	-	-	-	· · ·	-	-	-
	Domestic Hot Water	SF. MH	G				Domestic Hot Water	SF. MH	G		-			-	-	-	
Tub Diverter/ Tub Spout	Domestic Hot Water	SF, MH SF, MH	G	2.60	0.53	 Tub Diverter/ Tub Spout	Domestic Hot Water	SF, MH SF, MH	G	3.34	0.57	3.41 3.41	0.60	3.91	0.63	3.64	0.66
Tub Diverter/ Tub Spout Tub Diverter/ Tub Spout	Domestic Hot Water Domestic Hot Water	SF, MH MF	E	2.60	0.53	Tub Diverter/ Tub Spout 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
		ME						MF				-	-				
Tub Diverter/ Tub Spout	Domestic Hot Water		G	2.60	0.53	Tub Diverter/ Tub Spout	Domestic Hot Water	evia .	G				-				
Combined Showerhead/TSV Combined Showerhead/TSV	Domestic Hot Water Domestic Hot Water	SF, MH SF, MH	G	2.76	0.69	 Combined Showerhead/TSV Combined Showerhead/TSV	Domestic Hot Water Domestic Hot Water	SF, MH SF, MH	G	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
		SF, MH ME	F						E	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Combined Showerhead/TSV Combined Showerhead/TSV	Domestic Hot Water	ME	G	2.76	0.69	 Combined Showerhead/TSV Combined Showerhead/TSV	Domestic Hot Water	MF	G		-						
Combined Showerhead/ISV Thermostat-controlled Shower Valve	Domestic Hot Water Domestic Hot Water	MF SF. MH	E	2.76	0.69	Combined Showerhead/I SV Thermostat-controlled Shower Valve	Domestic Hot Water Domestic Hot Water	SF. MH	E	3.39	- 0.62	3.47	- 0.66	3.97	- 0.69	3.70	0.73
		SF, MH SF, MH	G	2.76					G								
Thermostat-controlled Shower Valve	Domestic Hot Water	SF, MH MF	F		0.69	Thermostat-controlled Shower Valve	Domestic Hot Water	SF, MH		3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Thermostat-controlled Shower Valve	Domestic Hot Water		-	2.76	0.69	Thermostat-controlled Shower Valve Thermostat-controlled Shower Valve	Domestic Hot Water		E			-	-		-	-	
Thermostat-controlled Shower Valve	Domestic Hot Water	MF SF. MH	G	2.76	0.69		Domestic Hot Water	MF SF. MH	G	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	0.63	0.50	 Heat Pump Water Heater	Domestic Hot Water	SF, MH	G	0.64	0.50	0.08	0.54	0.73	0.58	0.77	0.62
Heat Pump Water Heater Heat Pump Water Heater	Domestic Hot Water Domestic Hot Water	SF, MH MF	F	0.63	0.50	Heat Pump Water Heater Heat Pump Water Heater	Domestic Hot Water Domestic Hot Water	SF, MH	F								
Heat Pump Water Heater Heat Pump Water Heater	Domestic Hot Water	ME	G	0.63	0.50	Heat Pump Water Heater	Domestic Hot Water	ME	G	-		-	-	-	-		
		SF. MH	F					SF MH	E	0.17		-	-	-	-	-	
Water Heater Repair/Replacement Water Heater Repair/Replacement	Domestic Hot Water Domestic Hot Water	SF, MH	G	0.16	0.03	Water Heater Repair/Replacement 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	MF	F	0.16	0.03	Water Heater Repair/Replacement	Domestic Hot Water	SP, MPI	E	0.17	0.03	0.17	0.03	0.19	0.03	0.18	0.04
Water Heater Repair/Replacement	Domestic Hot Water	ME	G	0.16	0.03	Water Heater Repair/Replacement	Domestic Hot Water	MF	G		-	-	-		-		-
	Domestic Hot Water	SF. MH	E	0.16			Domestic Hot Water	SF. MH	E	0.53	0.45	0.55	-	0.59	-	-	0.52
WH blanket/ WH Pipe Insulation WH blanket/ WH Pipe Insulation	Domestic Hot Water	SF, MH	G	0.54	0.46	WH blanket/ WH Pipe Insulation WH blanket/ WH Pipe 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	SF, MPI	E	0.53	0.45	0.55	0.48	0.59	0.50	0.00	0.52
WH blanket WH Pipe Insulation WH blanket/ WH Pipe Insulation	Domestic Hot Water	MF	G	0.54	0.46	WH blanket WH Pipe Insulation	Domestic Hot Water	MF	G	-		-	-	-	-		
LED A-Lamps		SF. MH	F	0.89	0.46	LED A-Lamps		SF. MH	F	1.17	1.09	1.26	1.19	1.37	1.28	1.47	1.39
LED A-Lamps LED A-Lamps	Lighting Lighting	SF, MFI	E	0.89	0.81	LED A-Lamps	Lighting	SF, MFI	E	1.17	1.09	1.20	1.19	1.37	1.28	1.47	1.39
LED A-Lamps LED Reflector Bulb	Lighting	SF. MH	E	1.15	1.07	LED A-Lamps	Lighting	SF. MH	E	1.32	1.24	1.43	1.35	1.54	1.46	1.66	1.57
LED Reflector Bulb	Lighting	SF, MF	E	1.15	1.07	LED Reflector Bulb	Lighting	SF, MFI	F	1.32	1.24	1,43	1.30	1.04	1.40	1.00	1.57
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		SF, MF	E	0.19	0.11	Exterior Hard wired LED fixtures		SF, MFI	F	0.20	0.12	0.21	0.13	0.22	0.14	0.23	0.15
New Air Purifier	Lighting Miscellaneous	SF. MH	E	0.19	0.11	New Air Purifier	Lighting Miscellaneous	SF. MH	E	0.08	n/a	0.08	n/a	0.06	n/a	0.08	n/a
New Air Putilier	Miscellaneous	MF	E	0.08	n/a	New Air Putitier	Miscellaneous	MF	F	0.08	iva	0.08	Tea	0.00	iva	0.08	Tra
New Cold Storage	Miscellaneous	SF. MH	F	0.08	n/a	 New Cold Storage	Miscellaneous	SF. MH	E	0.08	n/a	0.08	n/a	0.06	n/a	0.08	n/a
New Cold Storage	Miscellaneous	SF, MF	E	0.08	n/a	New Cold Storage	Miscellaneous	SF, MPI	E	0.00	iva	0.00	iva	0.00	iva	0.00	ira
New Minor Home Repair Plus	Enclosure	SF. MH	F	0.33	n/a	New Minor Home Repair Plus	Enclosure	SF. MH	E	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 n/a	0.25	n/a	0.32	n/a
New Minor Home Repair Plus	Enclosure	SP, MPI	E	0.33	n/a	New Minor Home Repair Plus	Enclosure	SF, MPI	E	0.31	1/8	0.30	Byn	0.25	iva	0.32	1/8
New Minor Home Repair Plus New Minor Home Repair Plus	Enclosure	MF	G	0.33	n/a n/a	New Minor Home Repair Plus New Minor Home Repair Plus	Enclosure	MF	G		-	-	-	-		-	· ·
New Minor Home Repair Plus New Pool Pumps Replacement	Miscellaneous	SF. MH	G	0.33	n/a 0.79	New Minor Home Repair Plus New Pool Pumps Replacement	Miscellaneous	SF. MH	G F	0.62	0.54	0.64	0.56	- 0.69	0.59	0.71	0.63
New Pool Pumps Replacement New Pool Pumps Replacement	Miscellaneous	SF, MFI	F	0.87	0.79	New Pool Pumps Replacement New Pool Pumps Replacement	Miscellaneous	SP, MPI	E	0.62	U.54	U.64	0.56	0.69	u.59	U./1	0.63
New Pool Pumps Replacement New Tier 2 Adv Power Strip w Bluetooth	Miscellaneous	SF. MH	E	0.87	0.79	New Pool Pumps Replacement New Tier 2 Adv Power Strip w Bluetooth	Miscellaneous	SF. MH	E	1.51	1.43	1.62	1.54	-	1.65	1.85	1.77
New Tier 2 Adv Power Strip w Bluetooth New Tier 2 Adv Power Strip w Bluetooth	Miscellaneous	SF, MH	E	1.41	1.33	New Tier 2 Adv Power Strip w Bluetooth New Tier 2 Adv Power Strip w Bluetooth	Miscellaneous	or, MPI	E	1.51	1.43	1.02	1.04	1.74	C0.1	1.85	1.77
New Hei 2 Auf Power Strip w Biuetooth	miscendheous	mr	E .	1.41	1.33	ivew rier 2 Adv Power Strip w Bluetooth	miscellaneous	WF:	E	<u> </u>	-	· ·	-		<u> </u>		

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.

-- 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 there added to IOU ESA portfolios. Por OP-59 to help increase ESACET scores and/or provide greater consistency with ESA measures direct by other IOUs. 100.8 did not adjust their authorized ESA budgets.

Instant Partner <	San Diego Gas & Electric Company	1		ł					-	1								
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Tab Denkel Möllower ViråOmder IsträgerOmder Isträger <td>Tub Diverter W/Shower Valve</td> <td>Domestic Hot Water</td> <td>ME</td> <td>F</td> <td>0.40</td> <td>0.40</td> <td>Heat Pump Water Heater (electric)</td> <td>Domestic Hot Water</td> <td>SF</td> <td>F</td> <td>0.39</td> <td></td> <td>0.40</td> <td>0.78</td> <td>0.40</td> <td>0.81</td> <td>0.42</td> <td>0.85</td>	Tub Diverter W/Shower Valve	Domestic Hot Water	ME	F	0.40	0.40	Heat Pump Water Heater (electric)	Domestic Hot Water	SF	F	0.39		0.40	0.78	0.40	0.81	0.42	0.85
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Controles SourceMart/TV Densets Hot Warr Off E Out Total Out Total Out	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
Control Source Ind View Med E Out Total Monthey Direct Monthey Di	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
Densitie MV Water Mile G 0.33 0.83 Theresonate SoverNeet Densite How Water SF E 0.74 1.09 0.15 0.74 0.16 0.75 0.16 0.75 0.17 0.75 0.17 0.75 0.17 0.75 0.17 0.75 0.17 0.75 0.17 0.75 0.17 0.75 0.17 0.75 0.17 <td>Combined Showerhead/TSV</td> <td>Domestic Hot Water</td> <td>MH</td> <td>E</td> <td>0.34</td> <td>1.79</td> <td>Smart Strip Tier II</td> <td>Miscellaneous</td> <td>SF</td> <td>E</td> <td>0.37</td> <td></td> <td>0.39</td> <td>1.33</td> <td>0.40</td> <td>1.41</td> <td>0.42</td> <td>1.47</td>	Combined Showerhead/TSV	Domestic Hot Water	MH	E	0.34	1.79	Smart Strip Tier II	Miscellaneous	SF	E	0.37		0.39	1.33	0.40	1.41	0.42	1.47
Contract Source Mark Contract Source Mark Source Mark	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
Condenside Souvehead/TY Denset lot Water MH G 0.87 0.87 0.87 0.87 0.87 0.87 0.98 0.51 0.97 0.54 0.95	Combined Showerhead/TSV	Domestic Hot Water	ME	G	0.37	0.83	Thermostatic Shower Valves	Domestic Hot Water	SF	E	0.74	1.09	0.80		0.79	1.20	0.81	1.25
near Part Part Part Part Part Part Part Pa	Combined Showerhead/TSV	Domestic Hot Water	MH				Thermostatic Shower Valves	Domestic Hot Water	MH	G			0.97					0.56
mater image Openation Openation <t< td=""><td>Combined Showerhead/TSV</td><td>Domestic Hot Water</td><td>SF</td><td>G</td><td>0.37</td><td>0.75</td><td>Thermostatic Shower Valves</td><td>Domestic Hot Water</td><td>SF</td><td>G</td><td>0.90</td><td>0.50</td><td>0.98</td><td>0.51</td><td>0.97</td><td>0.52</td><td>0.97</td><td>0.52</td></t<>	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
LD DAR Lunga MF E 0.4 0.22 Mater Bayaka Bunde Bund	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 Lunga Uphing M-H E 0.4 0.22 0.44 0.22 0.44 0.23 0.11		Lighting	ME	E	0.14	0.22	Water Heater Blanket Bundle with Pipe Insulation	Domestic Hot Water	MH	G	0.41	2.22	0.43	2.30		2.37	0.47	2.44
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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.

-- 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 Ter 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 there added to IOU ESA portfolios per OP-59 to help increase ESACET scores and/or provide greater consistency with ESA measures direct you their 20uk-1005 did not adjust their authorized ESA budgets.

Southern California Edison Company																	
Measure					2022	Measure				21	023	20	124	20	25		2026
Single Family, Mobile Homes, and Multifamily In-	Measure Group	Type of Home	Electric or Ga	s		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						
Attic Insulation	Enclosure	ME	E	0.00	n/a	Attic Insulation	Enclosure	SE	E	0.61	0.29	0.52	0.31	0.58	0.33	0.72	0.35
Attic Insulation	Enclosure	SF	F	0.56	0.27	Central AC Replacement	HVAC	MH	F	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	ME	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	F	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	ME	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	ME	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	F	0.67	0.43	Evaporative Copler Install	HVAC	MH	F	0.89	0.92	1.01	0.99	1.08	1.06	1.02	1.12
Clothes Washer	Appliance	ME	E	0.48	0.16	Evaporative Copler 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	F	0.72	1.11	0.84	1.20	0.93	1.30	0.93	1.38
Envelope Air Sealing	Enclosure	ME	E	0.30	n/a	HP Clothes Drver 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	F	0.66	0.61	HP Clothes Drver Gas	Appliance	SF	F	-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	F	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	F	0.66	1.03	Inductive Range-Propane Range	Appliance	SF	F	0.14	n/a	0.15	n/a	0.13	n/a	0.24	n/a
Freezer	Appliance	MF	F	0.66	1.03	Inductive Range-Proparie Range	Appliance	SF	F	0.14	n/a	0.13	n/a	0.13	n/a	0.32	n/a
Freezer	Appliance	SF	F	0.66	1.03	LED Exterior Fixture	Lighting	SF	F	0.32	0.33	0.35	0.35	0.38	0.37	0.38	0.40
HP Clothes Driver Elect	Appliance	SF	F	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 Driver Gas	Appliance	SE	E	0.03	n/a	Other Hot Water	Domestic Hot Water	SF	F	0.24	n/a	0.21	n/a	0.20	n/a	0.26	n/a
HP Clothes Driver Propane	Appliance	SE	F	-0.07	n/a	Pool Pump	Miscellaneous	SF	F	0.60	0.82	0.69	0.89	0.75	0.95	0.76	1.02
Inductive Range-Electric Range	Appliance	SE	F	0.38	0.01	Refrigerator	Appliance	MH	F	0.76	0.96	0.81	1.04	0.89	1.11	0.92	1.19
Inductive Range-Gas Range	Appliance	SF	F	0.32	n/a	Refrigerator	Appliance	SE	F	0.84	0.96	0.94	1.04	1.02	1.11	1.04	1.19
Inductive Range-Propane Range	Appliance	SE	F	0.29	n/a	Room AC Replacement	HVAC	MH	F	0.67	n/a	0.68	n/a	0.40	n/a	0.39	n/a
Inductive Range-Wood Stove	Appliance	SE	E	0.35	n/a	Room AC Replacement	HVAC	SF	F	0.79	n/a	1.34	n/a	0.40	n/a	0.41	n/a
LED Exterior Fixture	Lighting	SE	E	0.30	0.30	Tank and Pipe Insulation	Domestic Hot Water	MH	F	0.27	n/a	0.29	n/a	0.31	n/a	0.30	n/a
LED T8 UL Type A	Lighting	ME	E	0.25	0.24	Tank and Pipe Insulation	Domestic Hot Water	SF	F	0.23	n/a	0.20	n/a	0.19	n/a	0.26	n/a
Other Hot Water	Domestic Hot Water	MH	F	0.24	n/a				-	0.20		0.20					
Other Hot Water	Domestic Hot Water	SF	F	0.24	n/a	-											
Other Hot Water	Domestic Hot Water	ME	F	0.83	1.24	-											
Pool Pump	Miscellaneous	SF	E	0.55	0.76	-											
Refrigerator	Appliance	MH	E	0.79	0.89	+											
Refrigerator	Appliance	ME	E	0.80	0.94	-											
Refrigerator	Appliance	SF	F	0.79	0.89	+											
Room AC Replacement	HVAC	MH	F	0.19	0.89	+											
Room AC Replacement	HVAC	ME	E	0.43	n/a	-											
Room AC Replacement	HVAC	SE .	F	0.43	n/a	1											
Tank and Pice Insulation	Domestic Hot Water	MH	F	0.19	n/a	+											
Tank and Pipe Insulation	Domestic Hot Water	SF	F	0.24	n/a	-											
Tank and Pipe Insulation	Domestic Hot Water	SP	E	0.24	0.95	1											
rain and rige Ilbuidduur	Somealic not water	hum.	E	0.70	0.00												

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.

-- 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 Ter 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 there added to IOU ESA portfolios per OP-59 to help increase ESACET scores and/or provide greater consistency with ESA measures direct you their 20uk-1005 did not adjust their authorized ESA budgets.

Southern California Gas Company																	
Measure Single Family, Mobile Homes, and Multifamily In- unit Installations ¹	Measure Group	Type of Home (SF, MH, MF)	Electric or Gas (E,G)	2022		Measure				2023		2024		2025		2026	
				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 ICF IGS Energy 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