PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

SDG&E Advice Letter 3842- E/3012-G et. al.

December 22, 2021

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Rosemead, California 91770

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Ray B. Ortiz
Southern California Gas Company
Tariff Manager - GT14D6
555 West Fifth Street
Los Angeles, CA 90013-1011

Subject: Disposition approving Advice Letter SDG&E 3842-E/3012-G et. al. on the Energy Savings Assistance (ESA) Program Design and Delivery of Measure Treatment Tiers for Program Year 2022-2026 pursuant to Decision D.21-06-015.

Dear. Mr. Faber, Mr. Anderson, Mr. Dietz, Ms. Menon, Ms. Kaushik, and Mr. Ortiz,

The Joint IOU AL is approved effective October 1, 2021. Pursuant to CPUC Decision D.21-06-015 Ordering Paragraphs (OP) 58 and OP 115; the Investor Owned Utilities (IOUs)[1] filed Advice

[1] Pacific Gas and Electric (PG&E), Southern California Edison (SCE), San Diego Gas and Electric (SD&E) and Southern California Gas Company (SoCalGas) – collectively "IOUs"

Letter (AL) SDG&E 3842-E/3012-G, SCE 4578-E, PG&E 4482-G/6314-E, SCG 5861-G seeking approval of 1) the ESA program design and delivery of measure treatment tiers for program years 2022-2026, 2) the consistent definition for low, medium, and high usage customers, 3) the reviewed measure mix using the 0.30 Energy Savings Assistance Cost Effectiveness Test (ESACET) criteria, and 4) the identified results. D.21-06-015 ordered this AL to be filed within 90 days of the Decision. The Joint IOU AL was timely filed on September 1, 2021.

I. Background

On September 1, 2021, the IOUs submitted the Joint IOU AL regarding ESA program design and delivery of the measure treatment tiers for program years 2022-2026 as directed in OP 58 and OP 115 of D.21-06-015:

Decision 21-06-015, OP 58 states:

> "58. Pacific Gas and Electric Company, Southern California Edison Company, Southern California Gas Company and San Diego Gas & Electric Company must submit a joint Tier 2 advice letter compliance filing within 90 days after the approval of this decision to identify the common set of Energy Savings Assistance program measures within each treatment tier, and detail what level of treatment will be provided to which customer segments, per Attachment 3. The Utilities must also propose a consistent statewide definition for low, medium, and high usage customers, in the joint compliance filing."

Decision 21-06-015, OP 115 states:

> "115. Pacific Gas and Electric Company, Southern California Edison Company, Southern California Gas Company and San Diego Gas & Electric Company must submit a joint Tier 2 advice letter filing, per Attachment 3, within 90 days after the approval of this decision to i) identify which set of Energy Savings Assistance (ESA) program measures will be part of the "basic" offerings, ii) identify the common set of measures within each treatment tier, iii) detail what level of treatment will be provided to which customer segments, iv) propose a consistent statewide definition for low, medium, and high usage customers, and v) complete the review of the measure mix using the 0.30 ESACET criteria and identify the ESACET results."

OP 115 also references Attachment 3, which states the purpose is to have the IOUs:

> "further detail what level of treatment is will be provided to which customer segments to provide greater statewide consistency in how the ESA program is designed and delivered." Attachment 3, Section 5 also instructs the IOUs to report on activity by these customer segments, including the size of the eligible population or number of eligible households, in the upcoming reporting template.

Energy Efficiency Council (EEC) timely filed comments on September 21, 2021. The IOUs filed a timely joint reply to EEC's comments on September 28, 2021.

II. Party Comments and Reply Comments

EEC's Comments and Joint IOU Reply
On September 21, EEC filed comments to the Joint IOU AL. EEC's comments contend that their response, which was filed as comments in another ruling in another proceeding, is relevant "to the [Joint IOU AL]." EEC's comments are a response composed by Synergy Companies, a member of EEC, to ALJ Fitch's August 6, 2021 ruling in proceeding R.13-11-005.[2] This ruling sought proposals for actions that can expedite or accelerate clean energy project development by June 1, 2022 and/or June 1, 2023.

EEC's comments argue that the quickest and most efficient way to add new energy efficiency programs or measures that target peak and net peak hours is to do so through the existing program and framework of the ESA program.

EEC's ESA related recommendations included the following: 1) postponement of planned lighting reductions for the ESA program, 2) leveraging demand response programs with ESA efforts, 3) supplementing climate zones with weather station data to determine eligibility for air conditioning (A/C) and attic insulation measures, 4) removing the copay barrier on A/C measures for renters, 5) adding A/C tune-ups to the ESA "Simple Measures" program, 6) allowing unspent Self Generation Incentive Program Equity Resiliency Battery Back-up Program funds to be used for ESA families, and 7) utilizing unspent disadvantaged communities solar funding for ESA qualified families.

In their joint reply, the IOUs contest that EEC's comments are not a protest to the Joint IOU AL and do not address the specifics of the Joint IOU AL. The IOUs argue that EEC seeks to "have an established Commission decision disrupted under the guise of an advice letter response." The IOUs request that EEC's comments be disregarded, and the Joint IOU AL be approved.

III. Discussion
After considering EEC's comments and the Joint IOU reply comments, staff determines that EEC's comments do not make a claim relevant to the Joint IOU AL, do not address the specific issues that the Joint IOU AL addresses, and do not provide a clear a rebuttal to the Joint IOU AL. Staff determines that EEC's comments are not relevant to this AL disposition.

In addition, after the Joint IOUs submitted the compliance filing AL on September 1, 2021, Senate Bill (SB) 756 was signed into law. Effective July 1, 2022, SB 756 contains a new Public Utilities Code Section 2790(f)(1), providing that "for purposes of [the ESA program], low-income customers means persons and families whose household income is at or below 250 percent of the federal poverty level." Currently, and until June 30, 2022, "low-income customers" for purposes of the ESA program will mean customers with annual household incomes that are no greater than 200 percent of the federal poverty guideline levels. Energy

[2] Filed in response to the Governor's Proclamation on July 30, 2021 (https://www.gov.ca.gov/wp-content/uploads/2021/07/Energy-Emergency-Proc-7-30-21.pdf)

Division therefore directs the IOUs to use the new 250 percent threshold to determine ESA eligibility starting July 1, 2022, and to use the 250 percent threshold for reporting starting July 1, 2022, on the size of the eligible population or number of eligible households by customer segment.

Energy Division approves the Joint IOU AL, effective October 1, 2021, as modified to require the IOUs to use the new 250 percent income threshold in Section 2790(f)(1) for ESA eligibility and reporting as of July 1, 2022.

Please contact Kapil Kulkarni of the Energy Division at kapil.kulkarni@cpuc.ca.gov if you have any questions.

Sincerely,

Edward Randolph
Deputy Executive Director for Energy and Climate Policy/
Director, Energy Division
California Public Utilities Division

cc: Service List A.19-11-003 et. al.
Pete Skala, Energy Division
Jennifer Kalafut, Energy Division
Alison LaBonte, Energy Division
Jessie Levine, Energy Division
Allan Rago, President, Energy Efficiency Council

Clay Faber – Director
Regulatory Affairs
8330 Century Park Ct.
San Diego, CA 92123
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September 1, 2021

ADVICE LETTER 3842-E/3012-G
(San Diego Gas & Electric - U 902 M)

ADVICE LETTER 4578-E
(Southern California Edison Company – U338 E)

ADVICE LETTER 4482-G/6314-E
(Pacific Gas and Electric Company – U39 M)

ADVICE LETTER 5861-G
(Southern California Gas Company – U 904 G)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

SUBJECT: JOINT IOU ADVICE LETTER PURSUANT TO DECISION 21-06-015 FOR THE ENERGY SAVINGS ASSISTANCE (ESA) PROGRAM DESIGN AND DELIVERY OF THE MEASURE TREATMENT TIERS FOR PROGRAM YEARS 2022-2026

PURPOSE

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

BACKGROUND

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

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[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.

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]

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[8] *Id*. at 318-319.[9] *Id*.; *see also id.* at 484, OP 58.
[9] *Id*.; *see also id.* at 484, OP 58.
[10] *Id.* at 491, OP 83.
[11] *Id.* at 250-251; *see also id.* at 491, OP 83.
[12] *Id.*
[13] *Id*. at 501, OP 120; *see also id.* at 354.
[14] *Id.* at Attachment 3, Section 4.
[15] *Id*.

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

EFFECTIVE DATE

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

PROTEST

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

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

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

For SDG&E:

Attn: Greg Anderson
Regulatory Tariff Manager
E-Mail: GAnderson@sdge.com & SDGETariffs@sdge.com

For PG&E:

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

For SCE:

Shinjini C. Menon
Managing Director, State Regulatory Operations
Southern California Edison Company
8631 Rush Street
Rosemead, California 91770
Telephone (626) 302-3377
Facsimile: (626) 302-9645
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Tara S. Kaushik
Managing Director, Regulatory Relations
c/o Karyn Gansecki
Southern California Edison Company
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San Francisco, California 94102
Facsimile: (415) 929-5544
E-mail: Karyn.Gansecki@sce.com

For SoCalGas:

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

NOTICE

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

/s/ Clay Faber
CLAY FABER
Director – Regulatory Affairs

California Public Utilities Commission

ADVICE LETTER SUMMARY

ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.: San Diego Gas & Electric (U902-M) et.al,

Utility type:
- [x] ELC
- [x] 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 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

Keywords (choose from CPUC listing): Compliance

AL Type: [ ] Monthly [ ] Quarterly [ ] Annual [x] One-Time [ ] Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: D.21-06-015

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: N/A

Summarize differences between the AL and the prior withdrawn or rejected AL: N/A

Confidential treatment requested? [ ] Yes [x] No

If yes, specification of confidential information:
Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required? [ ] Yes [x] 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 attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: N/A

Service affected and changes proposed[1]: N/A

Pending advice letters that revise the same tariff sheets: N/A

[1]Discuss in AL if more space is needed.

Clear Form

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

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102
Email: EDTariffUnit@cpuc.ca.gov

Name: Greg Anderson
Title:
Utility Name: San Diego Gas & Electric
Address: 8330 Century Park Court, CP32C
City: San Diego
State: California Zip: 92123
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email: GAnderson@sdge.com

Name: SDG&E Tariff Department
Title:
Utility Name: San Diego Gas & Electric Company
Address: 8330 Century Park Court; CP 31D
City: San Diego
State: California Zip: 92123
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email: SDGETariffs@Sdge.com

Clear Form

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
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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
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ckingaei@yahoo.com
clower@earthlink.net
hpayne3@gmail.com
puainc@yahoo.com

Service List
A.19-11-003

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

APPENDIX A

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

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.

	PG&E								SDG&E								SCE								SoCalGas								Basic IOU Alignment	Plus IOU Alignment	Reason for Differences
Measure	Proposed Tier	Is Self Certification?	Special Segment [4]	Climate Zone (CZ)	Single Family (SF)	Multifamily (MF)	Mobile Home (MH)	Avail. To Renters	Proposed Tier	Is Self Certification?	Special Segment [4]	CZ	SF	MF	MH	Avail. To Renters	Proposed Tier	Is Self Certification?	Special Segment [4]	CZ	SF	MF	MH	Avail. To Renters	Proposed Tier	Is Self Certification?	Special Segment	CZ	SF	MF	MH	Avail. To Renters			
Faucet Aerators	Basic	Y	N/A	All CZ	√	√	√	√	Basic	Y	N/A	All CZ	√	√	√	√	Basic	Y	N/A	All CZ – Electric Water Heating	√	√	√	√	Basic	Y	N/A	All CZ	√	√	√	√	√		
Low-Flow Showerhead or Combined Showerhead TSV	Basic	Y	N/A	All CZ	√	√	√	√	Basic	Y	N/A	All CZ	√	√	√	√	Basic	Y	N/A	All CZ – Electric Water Heating	√	√	√	√	Basic	Y	N/A	All CZ	√	√	√	√	√		
Thermostatic Shower Valve	Basic	Y	N/A	All CZ	√	√	√	√	Basic	Y	N/A	All CZ	√	√	√	√	Basic	Y	N/A	All CZ – Electric Water Heating	√	√	√	√	Basic	Y	N/A	All CZ	√	√	√	√	√		
Thermostatic Tub Spout/Diverter	Basic	Y	N/A	All CZ	√	√	√	√	Basic	Y	N/A	All CZ	√	√	√	√									Basic	Y	N/A	All CZ	√	√	√	√	√		Gas utility measure only.
LED A-lamp Bulbs	Basic	Y	N/A	All CZ	√	√	√	√	Basic	Y	N/A	All CZ	√	√	√	√	Basic	Y	N/A	All CZ	√	√	√	√									√		Electric utility measure only.
LED Reflector Bulbs	Basic	Y	N/A	All CZ	√	√	√	√	Basic	Y	N/A	All CZ	√	√	√	√	Basic	Y	N/A	All CZ	√	√	√	√									√		Electric 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 reevaluate this measure as part of the ESA Working Group to determine if reintroduction of this measure is warranted.
Power Strips[1]	Basic	Y	N/A	All CZ	√	√	√	√	Basic	Y	N/A	All CZ	√	√	√	√	Basic	Y	N/A	All CZ	√	√	√	√									√		Electric utility measure only.
Exterior Hard Wired LED Fixtures	Plus	N	N/A	All CZ	√	√	√	√									Basic	N	N/A	All CZ	√			√											SCE program design includes this measure as part of their basic packages which requires customers to reach savings levels prior to qualifying for measures in the Plus package. The IOUs program design and measure mix was approved in D.21-06-015 OP 59. As part of the cost effectiveness measure review ordered in the Decision, Attachment 3, SDG&E has selected to remove this measure. Electric utility measure only.
Refrigerators	Plus	N	N/A	All CZ	√	√	√	√	Plus	N	N/A	All CZ	√	√	√	√	Basic	N	N/A	All CZ	√	√	√	√											SCE program design includes this measure as part of their basic packages which requires customers to reach savings levels prior to qualifying for measures in the Plus package. The IOUs program design and measure mix was approved in D.21-06-015. Electric utility measure only.
Smart Thermostat	Plus	N	N/A	All CZ	√	√	√	√	Basic	N	HEU	All CZ	√	√	√	√	Basic	N	N/A	All CZ	√	√	√	√	Plus	N	N/A	All CZ	√	√	√	√			SDG&E and SCE program design included smart thermostats as part of their basic packages to either 1) reach savings requirements included as part of program design, or 2) provide measures which provide interest to customers and help increase engagement. The IOUs program design and measure mix was approved in D.21-06-015.
New - Air Purifiers	Plus	N	MBL and DAC/Tribal/Rural	All CZ	√	√	√	√	Plus	N	MBL and DAC/CARB	All CZ	√	√	√	√																			PG&E and SDG&E included this measure as part of the program design for customers in special segments. SoCalGas and SCE did not propose this measure. The IOUs program design and measure mix was approved in D.21-06-015. Electric utility measure only.
New - Portable AC	Plus	N	MBL and DAC/Tribal and Rural	~~All~~ CZ 11, 12, 13, 14	√	√	√	√	Plus	N	Medical Baseline	Climate Zones 10, 14, 15	√	√	√	√	Plus	N	HEU	CZ 13, 14, 15	√	√	√	√										√	Electric utility measure only.
New - Diagnostic Air Sealing	Plus	N	HEU	All CZ	√	√	√	√																											PG&E included this measure as part of the program design for customers in special segments. SDG&E, SCE and SoCalGas did not propose this measure. The IOUs program design and measure mix was approved in D.21-06-015.
Cold Storage	Plus	N	High Wildfire Threat Zone	All CZ	√	√	√	√																											PG&E included this measure as part of the program design for customers in special segments. SDG&E, SCE and SoCalGas did not propose this measure. The IOUs program design and measure mix was approved in D.21-06-015.
New - Floor Insulation	Plus	N	HEU	All CZ	√	√	√	√																											PG&E included this measure as part of the program design for customers in special segments. SDG&E, SCE and SoCalGas did not propose this measure. The IOUs program design and measure mix was approved in D.21-06-015.
New - Comprehensive Home Health and Safety Check-up[2]																									Plus	N	N/A	All CZ	√	√	√				SoCalGas included this measure as part of the program design. PG&E, SDG&E, and SCE did not propose this measure. The IOUs program design and measure mix was approved in D.21-06-015.
New Central Heat Pump - FS (Propane or Gas base)																	Plus	N	HEU	CZ 13, 14, 15	√	√	√	√											SCE included this measure as part of the program design for customers in special segments. PG&E, SDG&E, and SoCalGas did not propose this measure. The IOUs program design and measure mix was approved in D.21-06-015.
New - CO & Smoke Alarms	Plus	N	All	All CZ	√	√	√	√																	Plus	N	N/A	All CZ	√	√	√	√			SoCalGas included this new measure as part of the program design. PG&E and SDG&E include measure as a part of its minor home repair offer. SCE did not propose this measure. The IOUs program design and measure mix was approved in D.21-06-015.
New - Solar Water Heating																									Plus	N	HEU	All CZ	√	√	√	√			SoCalGas included this new measure as part of the program design. PG&E, SDG&E, and SCE did not propose this measure. The IOUs program design and measure mix was approved in D.21-06-015.
New - Whole House Fan	Plus	N	N/A	4, 11, 12, 13, 14, 16	√	√	√	√	Plus	N	N/A	CZ 10, 14, 15	√			√																			SDG&E included this new measure as part of the program design. PG&E elected to adopt this measure and included it in this joint compliance advice letter, as allowed in OP 59. SDG&E included these safety items as part of MHR and SCE did not propose this measure. SCE and SoCalGas did not propose this measure. The IOUs program design and measure mix was approved in D.21-06-015.
New - Clothes Dryers									Plus	N	N/A	All CZ	√		√	√																			As part of its overall measure evaluation, SDG&E added electric dryers to compliment its gas dryer offering and has included both measures in this joint compliance advice letter, as allowed in OP 59. SDG&E will reevaluate this measure as part of the ESA working group to determine if removal of this measure is warranted. PG&E, SCE and SoCalGas did not propose this measure. The IOUs program design and measure mix was approved in D.21-06-015.
New - Dishwasher																	Plus	N	HEU	All CZ	√	√	√	√											SCE included this new measure as part of the program design. PG&E, SDG&E and SoCalGas 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	√		√	√											SCE included this new measure as part of the program design. PG&E, SDG&E and SoCalGas did not propose this measure. The IOUs program design and measure mix was approved in D.21-06-015.
Freezers	Plus	N	N/A	All CZ	√	√	√	√									Plus	N	HEU	All CZ	√	√	√	√											SCE included this measure as part of the program design. PG&E elected to adopt this measure and included it in this joint compliance advice letter, as allowed in OP 59. SDG&E and SoCalGas did not propose this measure. The IOUs program design and measure mix was approved in D.21-06-015.

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.

	PG&E								SDG&E								SCE								SoCalGas								Basic IOU Alignment	Plus IOU Alignment	Reason for Differences
Measure	Proposed Tier	Is Self Certification?	Special Segment [6]	Climate Zone (CZ)	Single Family (SF)	Multifamily (MF)	Mobile Home (MH)	Avail. To Renters	Proposed Tier	Is Self Certification?	Special Segment [6]	CZ	SF	MF	MH	Avail. To Renters	Proposed Tier	Is Self Certification?	Special Segment [6]	CZ	SF	MF	MH	Avail. To Renters	Proposed Tier	Is Self Certification?	Special Segment	CZ	SF	MF	MH	Avail. To Renters			
Furnace Clean & Tune																									Plus	N	N/A	All CZ	√	√	√	√			SoCalGas included this ~~new~~ measure as part of the program design. PG&E and SCE did not propose this measure, while SDG&E requested removal of this measures. The IOUs program design and measure mix was approved in D.21-06-015.
Gas Furnace Repair/Replace [1]	Plus	N	N/A	All CZ	√	√	√	√	Plus	N	N/A	All CZ	√	√	√										Plus	N	N/A	All CZ	√	√	√			√	Gas utility measure only PG&E provides this measure to renters with an owner copay.
HE-FAU Repair/Replace [3]	Plus	N	N/A	All CZ	√	√	√	√																	Plus	N	N/A	All CZ	√	√	√				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. Gas utility measure only. PG&E provides this measure to renters with an owner copay.
Room A/C Replacement									Plus	N	N/A	CZ 10	√	√	√	√	Plus	N	HEU	CZ 10, 13, 14, 15	√	√	√	√											Electric utility measure only. PG&E has selected to remove this measure. PG&E will reevaluate this measure as part of the ESA working group to determine if reintroduction of this measure is warranted.
Central A/C Replacement	Plus	N	N/A	11, 12, 13, 14	√			√									Plus	N	HEU	CZ 13, 14, 15	√	√	√	√											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 only.
Central Heat Pump Replacement	Plus	N	N/A	11, 12, 13, 14	√	√	√	√									Plus	N	HEU	CZ 13, 14, 15	√	√	√	√											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 only.
Efficient Fan Controller									Plus	N	N/A	All CZ Electric Heated Home	√			√	Plus	N	HEU	All CZ	√	√	√	√											PG&E, SDG&E and SCE included this measure as part of their program design. The IOUs program design and measure mix was approved in D.21-06-015. As part of the cost effectiveness measure review ordered in the Decision, Attachment 3, PG&E has selected to remove this measure. PG&E will reevaluate this measure as part of the ESA working group to determine if reintroduction of this measure is warranted.
Evaporative Cooler																	Plus	N	HEU	CZ 10, 13, 14, 15,16	√		√	√											PG&E and SCE included this measure as part of their program design. The IOUs program design and measure mix was approved in D.21-06-015 OP 59. As part of the cost effectiveness measure review ordered in the Decision, Attachment 3, PG&E has selected to remove this measure. PG&E will reevaluate this measure as part of the ESA working group to determine if reintroduction of this measure is warranted.
Duct Sealing									Plus	N	N/A	All CZ Electric Heated Home	√			√																	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 requirements.
Prescriptive Duct Sealing	Plus	N	N/A	All CZ	√		√	√																	Plus	N	N/A	All CZ	√		√	√			PG&E and SoCalGas 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	N/A	CZ 2, 4, 6, 11, 12, 13, 14, 16	√	√	√	√									Plus	N	HEU	All CZ	√	√	√	√											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
Envelope/Air Sealing Measures	Plus	N	N/A	All CZ	√	√	√	√	Plus	N	N/A	All CZ	√	√	√	√	Plus	N	HEU	All CZ Electric Heated Home	√	√	√	√	Plus	N	N/A	All CZ	√	√	√	√		√	
Attic Insulation	Plus	N	N/A	All CZ	√	√		√	Plus	N	N/A	All CZ Electric	√			√	Plus	N	HEU	All CZ – Electric Heated Home	√	√		√	Plus	N	N/A	All CZ	√	√		√		√	
Minor Home Repairs [5]	Plus	N	N/A	All CZ	√	√	√	√	Plus	N	N/A	All CZ	√	√	√	√	Plus	N	HEU	All CZ – Electric Heated Home	√	√	√	√	Plus	N	N/A	All CZ	√	√	√	√		√	
Water Heater Repair/Replacement	Plus	N	N/A	All CZ	√	√	√	√	Plus	N	N/A	All CZ	√	√											Plus	N	N/A	All CZ	√	√	√			√	Gas utility measure only PG&E provides this measure to renters with an owner copay.
Heat Pump Water Heater	Plus	N	N/A	All CZ	√	√	√	√	Plus	N	N/A	All CZ	√		√	√	Plus	N	HEU	All CZ – E2E and FS	√	√	√	√										√	Electric utility measure only.
Water Heater Blanket	Plus	N	N/A	All CZ	√	√	√	√	Plus	N	N/A	All CZ			√	√	Plus	N	HEU	All CZ – Electric Water Heating	√	√	√	√	Plus	N	N/A	All CZ	√	√	√	√		√	SDG&E requested removal of this measure in its application. As part of the cost effectiveness measure review ordered in the Decision, Attachment 3, SDG&E has selected to continue to offer this measure for the specified segment.
Water Heater Pipe Insulation	Plus	N	N/A	All CZ	√	√	√	√	Plus	N	N/A	All CZ			√	√	Plus	N	HEU	All CZ – Electric Water Heating	√	√	√	√	Plus	N	N/A	All CZ	√	√	√	√		√	SDG&E requested removal of this measure in its application. As part of the cost effectiveness measure review ordered in the Decision, Attachment 3, SDG&E has selected to continue to offer this measure for the specified segment.
High Efficiency Clothes Washer	Plus	N	N/A	All CZ	√	√	√	√	Plus	N	N/A	All CZ	√	√	√	√	Plus	N	HEU	All CZ	√	√	√	√	Plus	N	N/A	All CZ	√	√	√	√		√	
Pool Pumps	Plus	N	N/A	All CZ	√			√	Plus	N	N/A	All CZ	√			√	Plus	N	HEU	All CZ	√			√										√	Electric utility measure only.
Generators																																			SDG&E's program design included this measure as part of its initial program design for program years 2025 and 2026. SDG&E's design was approved in D.21-06-015. As part of the cost effectiveness measure review ordered in the Decision, Attachment 3, SDG&E has selected to remove this measure. SDG&E will reevaluate this measure as part of the ESA Working Group to determine if reintroduction of this measure is warranted.
In Home Displays																																			SDG&E's program design included this measure as part of its initial program design for program years. SDG&E's design was approved in D.21-06-015. As part of the cost effectiveness measure review ordered in the Decision, Attachment 3, SDG&E has selected to remove this measure. SDG&E will reevaluate this measure as part of the ESA Working Group to determine if reintroduction of this measure is warranted.
Interior Lighting Fixtures																																			SDG&E's program design included this measure as part of its initial program design approved in D.21-06-015. As part of the cost effectiveness measure review ordered in the Decision, Attachment 3, SDG&E has selected to remove this measure. SDG&E will reevaluate this measure as part of the ESA Working Group to determine if reintroduction of this measure is warranted.

[1] Power Strips - PG&E to offer Tier II Bluetooth enabled smart power strips, SCE will be offering Tier II smart strips, and SDG&E will offer Tier I and Tier II smart strips. The IOUs will only provide Power Strips to Basic customers that do not require grounding.
[2] The Comprehensive Home Health & Safety Check-up includes: installation of smoke alarms, installation of CO detectors, installation of FAU filter, checking water pressure, checking water fixtures for leaks, checking and advising of utility shut off locations (electric panel, gas meter, main water valve), replacement of cracked or missing switch/outlet covers, assessment of gas appliance venting to the exterior of the home and making necessary corrections, checking for adequate CVA, checking for gas leaks, and checking that gas appliances are operating correctly.
[3] SoCalGas measures for Furnace Replace are Wall Furnace (WF), Forced Air Unit (FAU) Early Replace. and WF/FAU Replace on Burnout.
[4] SoCalGas measures for HE Furnace Replace are HE WF/FAU Early Replace and WF/FAU Replace On Burnout.
[5] There are multiple sub-measures included under minor home repairs. Minor home repairs are constituted by services that reduce infiltration (e.g., window repairs), mitigate a hazardous condition (e.g., CVA correction), or accommodate the installation of program measures (e.g., attic venting). For the purposes of qualifying a home for the ESA Program, all minor home repairs (combined) count as a single measure under Air
[6] Special Segment are as defined in the IOUs Application and approved in D.21-06-015.

Joint IOU Compliance Filing Advice Letter

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

Note Reason for Differences:

--- The IOUs MF CAM measure mix was approved for the PY 2022. For PY 2022, Multifamily in-unit measures are identified in Table 1.

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

Measure	PG&E	SDG&E	SCE	SoCalGas
Heating, Ventilation & Air Conditioning				
AC Brushless Fan Motor replacement		√		
AC Diagnostic, Repair and Tune-Up		√	√	
Central Air Conditioner		√	√	
Air Conditioners Split System	√		√	
Room AC Replacement			√	
Efficient Fan Controller			√	
Evaporative Cooler Install			√	
Furnace Clean and Tune				√
Furnace Repair		√	√	√
Furnace Replacement [1]	√	√	√	√
High Efficiency Furnace Replacement [2]				√
Heat Pump Split System	√	√	√	
Portable A/C			√	
Package Terminal A/C	√			
Package Terminal Heat Pump	√			
Smart Thermostat	√	√	√	√
Space Heating Boiler	√			√
Window Evap Cooler		√		
Envelope				
Attic Insulation	√	√	√	√
Duct Sealing		√		
Prescriptive Duct Sealing				√
Envelope Air Sealing			√	√
Pipe Insulation		√	√	√
Replace Air Filter		√	√	
Tank Insulation		√	√	√
Wall Insulation	√	√		
Window Film	√	√		
Windows	√			
Water Heating				
Boiler Controls		√		
Central Boiler		√		√
Demand Control DHW Recirculation Pump	√			
Faucet Aerator	√	√	√	√
Heat Pump Water Heater	√	√	√	
Low flow Showerhead	√	√	√	√
Solar Water Heating				√
Storage Water Heater	√			
Tankless Water Heater	√	√		
Thermostatic Shower Valve				√
Tub Diverter/ Tub Spout				√
Water Heater	√	√		
Water Heater Repair/Replace				√
Lighting Measures				
Exterior TLED Lamps	√			
Interior Integrated LED Retrofit Kits		√		
Interior TLED Lamps	√	√		
Landscape Lighting			√	
LED A Lamps		√	√	
LED BR-R Lamps		√		
LED Candelabra Lamps		√		
LED Ceiling, Vanity, or Sconce Fixtures	√			
LED Diffuse A-Lamp	√		√	

Joint IOU Compliance Filing Advice Letter

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

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

Joint IOU Compliance Filing Advice Letter

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

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

[1] Authorized budget from D.21-06-015, Attachment 1, Tables 8-11: totals shown in "EE (A)" line.

[2] Excludes SPOC costs for all utilities.

[3] SoCalGas Authorized Budget from Attachment 1 Table 10 of D.21-06-015 is $21,605,889 for EE-MF (B). MF In-Unit Budget is derived from subtracting the MF CAM Budget from this total.

[4] SoCalGas provided estimated MF in-unit treatments for 2022 based on the percentage (25%) of MF in-unit treatments to total treatments in its Low Income Application .

[5] SDG&E Advice Letter 3820-E/3004-G filed August 2, 2021 reflects it proposed MF CAM budget in the amount of $1,600,000 for PY2022 and SDG&E plans to supplement the approved budget of $5,309,624 for any potential budget shortfall. At the end of the 2021 bridge period, SDG&E had approximately $5 million in unspent and uncommitted MF CAM to be used to supplement the already approved budget shown in Table 11 of Attachment 1 of D.21-06-015.

[6] For PG&E: MF in-unit treatments for 2022 (Cell B28): Est Treatments calculated from PG&E A.19-11-003 Application, Attachment B, ESA Table A-6. Treatments were decreased by 14% pursuant to the budget and treatment reduction authorized in D.21-06-015, Section 6.15.7, p.314. PG&E did not break out budgets by housing type and therefore does not have an authorized budget for MF in-unit treatments (Cell B27), and is unable to break out in-unit treatment cost by segment (Cell B29). (MF in-units were included in MFWB beginning in 2023.)

[7] For PG&E: MF CAM Authorized Budget (Cell B31): PG&E Advice Letter 4472-G/6279-E filed August 2, 2021 reflects its proposed MF CAM treatment budget in the amount of $20,937,200 for PY2022. This does not include MF CAM administrative budget, or funding for SPOC, MCE LIFT, or CSD LWP, 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.

Joint IOU Compliance Filing Advice Letter

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 Type	Single family homes, multifamily dwelling units, and mobile homes are eligible to participate in the program. Duplexes, triplexes, and fourplexes will be qualified as single family homes. Multifamily complexes are defined as those with five (5) or more dwelling units. Mobile homes are defined by California Department of Housing and Community Development as having "over 320 square feet of gross floor area, more than eight feet in width, and more than 40 feet in length." A mobile home is a manufactured home regulated by the U.S. Department of Housing and Urban Development code (Sec. 3280) and built on a trailer chassis and designed for highway delivery to a permanent location, and it can be a single-, double-, or triple-wide home. (Derived from Statewide Energy Savings Assistance Program 2017-2020 Cycle Policy and Procedures (P&P) Manual p. 20)	Source from utility program database.	
Renter vs. Owner	Owner: The individual or company that has owners rights to the dwelling. Renter: The individual that pays rent for dwelling and is not a dependent of anyone in the household.	Source from utility program database.	
Previous vs. New Participant	The go back rule is eliminated pursuant to D.16-11-022 Ordering Paragraph 9 and D.18-08-020 Ordering Paragraph 4. Utilities are directed to conduct household retreatment based on household energy usage, prioritizing high energy users (D.16-11-022 COL 13). Utilities apply additional prioritization criteria within their territories consistent with guidelines in D.16-11-022. Statewide P&P Manual Section 2.7.	Source from utility program database.	
Senior		At this time, all the utilities may not currently request, track or report this data.	PG&E definition is age 60 years plus. (ESA - utility internal use) SDG&E definition is age 62 years or older. (ESA - utility internal use) SCE and SoCalGas definition is based on CPUC term "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.	At this time, the utilities do not currently request, track or report this data. Therefore, there is no methodology for identifying this segment.	
Hard-to-Reach	The Commission's Energy Efficiency Policy Manual defines hard-to-reach residential customers as "those customers who do not have easy access to program information or generally do not participate in energy efficiency programs due to a language, income, housing type, geographic, or home ownership (split incentives) barrier. Derived from D.18-05-041, pp.41-42.	Source from utility customer information systems, participating outreach contractors, program database, and other sources where applicable.	
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 Environmental Health Screening Tool (CalEnviroScreen), as well as all California tribal lands, census tracts that score in the highest 5% of Pollution Burden within CalEnviroScreen, but do not receive an overall CalEnviroScreen 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 Utility Climate Change Vulnerability Assessments and Climate Adaptation in Disadvantaged Communities (Phase 1, 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). SDG&E and SoCalGas defines arrearages as overdue balance greater than 30 days. (Disconnections D.18-12-013). SCE defines arrearages as overdue balances greater than 20 days.
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. (per 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			
DAC	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 asthma and heart disease. One way that the state identifies these areas is by collecting and analyzing information from communities all over the state. CalEnviroScreen, an analytical tool created by the California Environmental Protection Agency (CalEPA), combines different types of census tract-specific information into a score to determine which communities are the most burdened or "disadvantaged." Insert a city or town in the CalEnviroScreen map's search box here to see if it is considered a disadvantaged community in this context. https://oehha.ca.gov/calenviroscreen/sb535 (Pursuant to Section 39711 of the Health and Safety Code, the California Environmental Protection Agency (CalEPA) developed a means for identifying disadvantaged communities. See D.18-05-041 p. 39.)	Source from utility customer information systems.	
Rural	The Goldsmith definition is used to determine rural and urban eligibility and participation for ESA and CARE Programs. Rural areas are defined as all population, housing and territory not included within an urbanized area or urban cluster. Census blocks are identified as urban if they have a density of 1,000 people per square mile. These blocks are then aggregated to define urbanized areas that contain 50,000 or more people and urban clusters are areas with at least 2,500 but fewer than 50,000 people. (Reflected in Athens Research annual eligibility update filed February 12 of each year (D.21-06-015)).	Source from utility customer information systems.	
Tribal	Native Americans residing on Federally recognized Tribal land within the IOUs service territory. D.17-12-009 at page 185	Source from utility customer information systems.	
Climate Zone	California has a diversity of climates not seen in other states, and the statewide provisions adopted into the California Energy Code accounts for these variations using a set of sixteen California Energy Commission (CEC) climate zones. Several efficiency standards, such as those for envelope and fenestration (window and door) materials, depend on the specific climate zone that the building is located in. Climate zones referenced, are developed by the CEC, and may be located and are updated regularly. (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 wildfire. (D.20-05-051 De-Energization)	The ESA Program does not track or report this data.	SoCalGas: Not Applicable
High Fire Threat District (also known as Wildfire Zone)	High Fire Threat District means those areas comprised of the following: (1) Zone 1 is Tier 1 of the latest version of the United States Forest Service and CAL FIRE's joint map of Tree Mortality High 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.	PG&E defines its Wildfire Zone Needs State as: Customers residing in areas defined as *extreme danger zones* (ie., Zone 3) in CPUC Fire Threat maps available at https://ia.cpuc.ca.gov/firemap/ who are most likely to be turned off in the event of high fire danger.
Health Condition			
Medical Baseline	Customers who are enrolled in the IOUs Medical Baseline Allowance program. (Utility specific tariff)	Source from utility customer information systems.	
Respiratory	The utilities do not have definition for this segment.	The utilities does not have a methodology for identifying this segment.	
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.

Joint IOU Compliance Filing Advice Letter

Definition: Low, Medium, and High Usage Customers (PY2022-2026)
Table 4

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

Joint IOU Compliance Filing Advice Letter

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.

ESA Main Program (Single Family, Mobile Homes, MF in-unit) Installations for Housing Types [1]		PY 2022 Projections			
	Ratio Of Program Benefits over Program Costs	PG&E	SDG&E	SCE	SoCalGas
Estimated	ESACET	0.49	0.28	0.72	0.33
	Resource Test [2]	0.50	0.47	0.94	0.28
	TRC [3]	0.26	0.16	0.50	0.11
	PAC [3]	0.26	0.16	0.50	0.11
	RIM [3]	0.20	0.13	0.32	0.11

ESA Main Program (Single Family and Mobile Homes) In-Unit Installations for Housing Types [1]						PY 2023 Projections				PY 2024 Projections				PY 2025 Projections				PY 2026 Projections			
	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
Estimated	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
	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
	TRC [3]					0.27	0.19	0.52	0.12	0.28	0.19	0.60	0.13	0.30	0.18	0.65	0.13	0.30	0.19	0.68	0.14
	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
	RIM [3]					0.21	0.15	0.33	0.12	0.21	0.15	0.36	0.13	0.23	0.15	0.37	0.13	0.24	0.16	0.38	0.14

[1] Multifamily costs are not included for PY2023 - PY2026.

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

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

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

Notes:
-- 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.

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

Joint IOU Compliance Filing Advice Letter

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.

San Diego Gas & Electric Company

Measure Single Family, Mobile Homes, and Multifamily In-unit Installations [1]	Measure Group	Type of Home (SF, MH)	Electric or Gas (E,G)	Climate Zone (Number)	2022			Measure Single Family and Mobile Homes - Installations [3]	Measure Group	Type of Home (SF, MH)	Electric or Gas (E,G)	Climate Zone (Number)	2023		2024		2025		2026	
					ESACET	Resource Test [2]							ESACET	Resource Test [2]	ESACET	Resource Test [2]	ESACET	Resource Test [2]	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														

Joint IOU Compliance Filing Advice Letter

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.

Southern California Edison Company

Measure Single Family, Mobile Homes, and Multifamily In-unit Installations [1]	Measure Group	Type of Home (SF, MH)	Electric or Gas (E,G)	Climate Zone (Number)	2022		Measure Single Family and Mobile Homes - Installations [3]	Measure Group	Type of Home (SF, MH)	Electric or Gas (E,G)	Climate Zone (Number)	2023		2024		2025		2026	
					ESACET	Resource Test [2]						ESACET	Resource Test [2]	ESACET	Resource Test [2]	ESACET	Resource Test [2]	ESACET	Resource Test [2]
Air Filter Replacement	Maintenance	MH	E	6	0.45	0.04	Air Filter Replacement	Maintenance	MH	E	6	0.45	0.04	0.46	0.05	0.47	0.05	0.50	0.06
Air Filter Replacement	Maintenance	MH	E	8	0.46	0.05	Air Filter Replacement	Maintenance	MH	E	8	0.45	0.05	0.47	0.06	0.48	0.07	0.51	0.08
Air Filter Replacement	Maintenance	MH	E	9	0.47	0.06	Air Filter Replacement	Maintenance	MH	E	9	0.46	0.06	0.48	0.07	0.49	0.08	0.52	0.09
Air Filter Replacement	Maintenance	MH	E	10	0.48	0.08	Air Filter Replacement	Maintenance	MH	E	10	0.47	0.08	0.50	0.09	0.51	0.11	0.55	0.13
Air Filter Replacement	Maintenance	MH	E	13	0.48	0.08	Air Filter Replacement	Maintenance	MH	E	13	0.47	0.08	0.50	0.10	0.51	0.11	0.54	0.13
Air Filter Replacement	Maintenance	MH	E	14	0.49	0.09	Air Filter Replacement	Maintenance	MH	E	14	0.48	0.09	0.51	0.11	0.53	0.13	0.56	0.15
Air Filter Replacement	Maintenance	MH	E	15	0.55	0.19	Air Filter Replacement	Maintenance	MH	E	15	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	0.44	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	6	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	9	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	0.47	0.08	0.50	0.09	0.51	0.11	0.54	0.13
Air Filter Replacement	Maintenance	MF	E	13	0.48	0.08	Air Filter Replacement	Maintenance	SF	E	13	0.48	0.08	0.50	0.10	0.52	0.11	0.55	0.13
Air Filter Replacement	Maintenance	MF	E	14	0.49	0.09	Air Filter Replacement	Maintenance	SF	E	14	0.48	0.09	0.51	0.11	0.53	0.13	0.56	0.15
Air Filter Replacement	Maintenance	MF	E	15	0.55	0.19	Air Filter Replacement	Maintenance	SF	E	15	0.55	0.19	0.59	0.23	0.63	0.26	0.67	0.30
Air Filter Replacement	Maintenance	MF	E	16	0.44	0.03	Air Filter Replacement	Maintenance	SF	E	16	0.43	0.03	0.45	0.03	0.45	0.04	0.48	0.04
Air Filter Replacement	Maintenance	SF	E	6	0.45	0.04	Attic Insul CAC NonElect Heat	Enclosure	SF	E	10	0.66	0.45	0.73	0.47	0.76	0.50	0.71	0.53
Air Filter Replacement	Maintenance	SF	E	8	0.46	0.05	Attic Insul CAC NonElect Heat	Enclosure	SF	E	13	0.63	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	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	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	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	13	0.76	n/a	0.79	n/a	0.84	n/a	0.85	n/a
Air Filter Replacement	Maintenance	SF	E	15	0.55	0.19	Central HP - CAC Gas	HVAC	MH	E	14	0.52	n/a	0.65	n/a	0.83	n/a	0.86	n/a
Air Filter Replacement	Maintenance	SF	E	16	0.44	0.03	Central HP - CAC Gas	HVAC	SF	E	13	0.57	n/a	0.57	n/a	0.61	n/a	0.61	n/a
Attic Insul CAC NonElect Heat	Enclosure	MF	E	10	0.70	0.56	Central HP - CAC Gas	HVAC	SF	E	14	0.62	n/a	0.63	n/a	0.68	n/a	0.69	n/a
Attic Insul CAC NonElect Heat	Enclosure	MF	E	13	0.64	0.42	Central HP - CAC Gas	HVAC	MH	E	15	0.64	0.69	0.70	0.74	0.77	0.79	0.78	0.85
Attic Insul CAC NonElect Heat	Enclosure	MF	E	14	0.65	0.44	Central HP - CAC Gas	HVAC	SF	E	15	0.46	0.36	0.48	0.38	0.52	0.41	0.54	0.43
Attic Insul CAC NonElect Heat	Enclosure	MF	E	15	0.63	0.42	Central HP - CAC Propane	HVAC	MH	E	13	0.00	n/a	0.54	n/a	0.63	n/a	0.00	n/a
Attic Insul CAC NonElect Heat	Enclosure	MF	E	16	0.63	0.40	Central HP - CAC Propane	HVAC	MH	E	14	0.92	n/a	1.20	n/a	2.75	n/a	2.10	n/a
Attic Insul CAC NonElect Heat	Enclosure	SF	E	10	0.64	0.42	Central HP - CAC Propane	HVAC	SF	E	13	0.19	n/a	0.16	n/a	0.15	n/a	0.15	n/a
Attic Insul CAC NonElect Heat	Enclosure	SF	E	13	0.61	0.37	Central HP - CAC Propane	HVAC	SF	E	14	0.34	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	15	4.06	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	0.30	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	6	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	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	9	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	0.49	0.10	0.51	0.12	0.53	0.14	0.57	0.16
Central HP - CAC Gas	HVAC	SF	E	14	0.56	n/a	Condenser Coil Cleaning	Maintenance	MH	E	13	0.53	0.15	0.57	0.18	0.61	0.21	0.62	0.24
Central HP - CAC Gas	HVAC	MH	E	15	0.76	0.64	Condenser Coil Cleaning	Maintenance	MH	E	14	0.56	0.20	0.60	0.23	0.64	0.27	0.68	0.31
Central HP - CAC Gas	HVAC	MF	E	15	0.68	0.44	Condenser Coil Cleaning	Maintenance	MH	E	15	0.61	0.29	0.69	0.34	0.74	0.40	0.79	0.46
Central HP - CAC Gas	HVAC	SF	E	15	0.63	0.34	Condenser Coil Cleaning	Maintenance	MH	E	16	0.41	0.05	0.45	0.06	0.45	0.07	0.49	0.09
Central HP - CAC Propane	HVAC	MH	E	13	0.38	n/a	Condenser Coil Cleaning	Maintenance	SF	E	6	0.44	0.04	0.46	0.04	0.47	0.05	0.49	0.06
Central HP - CAC Propane	HVAC	MH	E	14	0.43	n/a	Condenser Coil Cleaning	Maintenance	SF	E	8	0.46	0.06	0.48	0.07	0.49	0.08	0.52	0.10
Central HP - CAC Propane	HVAC	MF	E	13	0.45	n/a	Condenser Coil Cleaning	Maintenance	SF	E	9	0.48	0.09	0.51	0.11	0.53	0.12	0.56	0.14
Central HP - CAC Propane	HVAC	MF	E	14	0.44	n/a	Condenser Coil Cleaning	Maintenance	SF	E	10	0.49	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	13	0.52	0.15	0.56	0.18	0.59	0.21	0.63	0.24
Central HP - CAC Propane	HVAC	SF	E	14	0.30	n/a	Condenser Coil Cleaning	Maintenance	SF	E	14	0.55	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	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	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	MH	E	All	0.43	0.10	0.41	0.11	0.40	0.11	0.48	0.12
Clothes Washer	Appliance	MH	E	All	0.44	0.12	Dishwasher	Appliance	SF	E	All	0.44	0.11	0.42	0.12	0.41	0.12	0.49	0.13
Clothes Washer	Appliance	SF	E	All	0.45	0.13	Efficient Fan Control	HVAC	MH	E	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning	Maintenance	MH	E	6	0.45	0.04	Efficient Fan Control	HVAC	MH	E	8	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	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil 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	0.00
Condenser Coil Cleaning	Maintenance	MH	E	10	0.50	0.10	Efficient Fan Control	HVAC	MH	E	13	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	1.01	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	15	0.00	0.00	1.37	3.08	1.55	3.34	0.00	0.00
Condenser Coil Cleaning	Maintenance	MH	E	15	0.61	0.29	Efficient Fan Control	HVAC	MH	E	16	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	6	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	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning	Maintenance	MF	E	9	0.49	0.09	Efficient Fan Control	HVAC	SF	E	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning	Maintenance	MF	E	10	0.50	0.10	Efficient Fan Control	HVAC	SF	E	13	0.80	0.80	0.89	0.89	1.00	0.96	1.00	1.03
Condenser Coil Cleaning	Maintenance	MF	E	13	0.53	0.15	Efficient Fan Control	HVAC	SF	E	14	0.77	0.74	0.86	0.83	0.96	0.90	0.96	0.96
Condenser Coil Cleaning	Maintenance	MF	E	14	0.55	0.19	Efficient Fan Control	HVAC	SF	E	15	1.23	2.80	1.53	3.11	1.72	3.38	1.64	3.60
Condenser Coil Cleaning	Maintenance	MF	E	15	0.61	0.29	Efficient Fan Control	HVAC	SF	E	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condenser Coil Cleaning	Maintenance	MF	E	16	0.46	0.05	Evap Maint Functioning	Maintenance	MH	E	16	-0.53	n/a	-0.50	n/a	-0.44	n/a	-0.49	n/a
Condenser Coil Cleaning	Maintenance	SF	E	6	0.45	0.04	Evap Maint Functioning	Maintenance	MH	E	10	0.15	0.01	0.13	0.02	0.14	0.03	0.16	0.03
Condenser Coil Cleaning	Maintenance	SF	E	8	0.47	0.06	Evap Maint Functioning	Maintenance	MH	E	13	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	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	0.39	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	13	0.26	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	0.29	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	0.48	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	-0.30	-0.46	-0.36	-0.49	-0.40	-0.52	-0.40	-0.55
Dishwasher	Appliance	SF	E	All	0.43	0.10	Evap Maint Nonfunctioning	Maintenance	MH	E	16	0.00	n/a	0.00	n/a	0.00	n/a	0.00	n/a
Efficient Fan Control	HVAC	MH	E	6	0.00	0.00	Evap Maint Nonfunctioning	Maintenance	MH	E	10	0.15	0.01	0.13	0.03	0.14	0.04	0.16	0.04
Efficient Fan Control	HVAC	MH	E	8	0.00	0.00	Evap Maint Nonfunctioning	Maintenance	MH	E	13	0.04	0.04	0.06	0.07	0.08	0.09	0.09	0.11
Efficient Fan Control	HVAC	MH	E	9	0.00	0.00	Evap Maint Nonfunctioning	Maintenance	MH	E	14	0.03	0.04	0.07	0.08	0.09	0.11	0.10	0.13
Efficient Fan Control	HVAC	MH	E	10	0.00	0.00	Evap Maint Nonfunctioning	Maintenance	MH	E	15	0.32	0.42	0.40	0.49	0.45	0.56	0.47	0.61

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Energy Savings Assistance Program Cost-Effectiveness - Weather Sensitive Measures (PY2022-2026)
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Efficient Fan Control	HVAC	MH	E	13	0.75	0.69		Evap Maint Nonfunctioning	Maintenance	SF	E	10	0.24	0.12	0.24	0.14	0.26	0.16	0.28	0.18
Efficient Fan Control	HVAC	MH	E	14	0.91	1.22		Evap Maint Nonfunctioning	Maintenance	SF	E	13	0.30	0.20	0.32	0.24	0.35	0.28	0.38	0.31
Efficient Fan Control	HVAC	MH	E	15	0.00	0.00		Evap Maint Nonfunctioning	Maintenance	SF	E	14	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	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	SE	E	16	-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	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	E	13	0.65	0.46		Evaporator Coil Cleaning	Maintenance	MH	E	10	0.45	0.05	0.47	0.06	0.48	0.07	0.51	0.08
Efficient Fan Control	HVAC	MF	E	14	0.79	0.81		Evaporator Coil Cleaning	Maintenance	MH	E	13	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	E	14	0.49	0.10	0.52	0.12	0.54	0.13	0.58	0.15
Efficient Fan Control	HVAC	MF	E	16	0.00	0.00		Evaporator Coil Cleaning	Maintenance	MH	E	15	0.52	0.15	0.58	0.17	0.60	0.20	0.64	0.23
Efficient Fan Control	HVAC	SF	E	6	0.00	0.00		Evaporator Coil Cleaning	Maintenance	MH	E	16	0.39	0.03	0.42	0.03	0.42	0.04	0.45	0.04
Efficient Fan Control	HVAC	SF	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	E	8	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	E	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	E	13	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	SF	E	14	0.49	0.10	0.51	0.12	0.53	0.13	0.57	0.15
Efficient Fan Control	HVAC	SF	E	16	0.00	0.00		Evaporator Coil Cleaning	Maintenance	SF	E	15	0.52	0.15	0.56	0.17	0.58	0.20	0.62	0.23
Evap Maint Functioning	Maintenance	MH	E	16	-0.22	n/a		Evaporator Coil Cleaning	Maintenance	SF	E	16	0.44	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	6	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	E	14	0.37	0.01		Fan Control	Maintenance	MH	E	9	0.53	0.16	0.56	0.18	0.59	0.20	0.61	0.22
Evap Maint Functioning	Maintenance	MH	E	15	0.58	0.28		Fan Control	Maintenance	MH	E	10	0.54	0.18	0.58	0.21	0.60	0.23	0.63	0.25
Evap Maint Functioning	Maintenance	SF	E	10	0.46	0.08		Fan Control	Maintenance	MH	E	13	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	0.64	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	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	0.44	0.09	0.48	0.11	0.49	0.12	0.52	0.13
Evap Maint Functioning	Maintenance	SF	E	16	-0.01	-0.44		Fan Control	Maintenance	SF	E	6	0.46	0.06	0.48	0.07	0.49	0.08	0.52	0.09
Evap Maint Nonfunctioning	Maintenance	MH	E	16	0.00	n/a		Fan Control	Maintenance	SF	E	8	0.49	0.11	0.52	0.12	0.53	0.14	0.56	0.15
Evap Maint Nonfunctioning	Maintenance	MH	E	10	0.39	0.00		Fan Control	Maintenance	SF	E	9	0.53	0.16	0.56	0.18	0.59	0.20	0.61	0.22
Evap Maint Nonfunctioning	Maintenance	MH	E	13	0.00	0.00		Fan Control	Maintenance	SF	E	10	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	E	13	0.59	0.26	0.65	0.30	0.68	0.34	0.71	0.36
Evap Maint Nonfunctioning	Maintenance	MH	E	15	0.00	0.00		Fan Control	Maintenance	SF	E	14	0.63	0.34	0.70	0.39	0.75	0.44	0.77	0.47
Evap Maint Nonfunctioning	Maintenance	SF	E	10	0.47	0.10		Fan Control	Maintenance	SF	E	15	0.72	0.50	0.81	0.58	0.88	0.65	0.90	0.71
Evap Maint Nonfunctioning	Maintenance	SF	E	13	0.50	0.17		Fan Control	Maintenance	SF	E	16	0.48	0.09	0.51	0.11	0.52	0.12	0.55	0.13
Evap Maint Nonfunctioning	Maintenance	SF	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	E	9	0.00	0.00	0.73	1.04	0.00	0.00	0.00	0.00
Evaporator Coil Cleaning	Maintenance	MH	E	6	0.44	0.02		Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	10	0.00	0.00	0.73	1.04	0.81	1.12	0.00	0.00
Evaporator Coil Cleaning	Maintenance	MH	E	8	0.45	0.03		Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Evaporator Coil Cleaning	Maintenance	MH	E	9	0.46	0.05		Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	14	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	E	15	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	SF	E	16	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	E	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	E	8	0.36	n/a	0.31	n/a	0.37	n/a	0.36	n/a
Evaporator Coil Cleaning	Maintenance	MH	E	16	0.44	0.03		Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	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	E	8	0.45	0.03		Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	13	0.36	n/a	0.28	n/a	0.35	n/a	0.33	n/a
Evaporator Coil Cleaning	Maintenance	MF	E	9	0.46	0.05		Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	14	0.35	n/a	0.27	n/a	0.33	n/a	0.31	n/a
Evaporator Coil Cleaning	Maintenance	MF	E	10	0.46	0.05		Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	15	0.37	n/a	0.34	n/a	0.40	n/a	0.40	n/a
Evaporator Coil Cleaning	Maintenance	MF	E	13	0.48	0.07		Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	16	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	-0.24	n/a	-0.24	n/a	-0.28	n/a	-0.31	n/a
Evaporator Coil Cleaning	Maintenance	MF	E	16	0.44	0.03		Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	9	-0.16	n/a	-0.18	n/a	-0.24	n/a	-0.21	n/a
Evaporator Coil Cleaning	Maintenance	SF	E	6	0.44	0.02		Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	10	-0.17	n/a	-0.18	n/a	-0.22	n/a	-0.23	n/a
Evaporator Coil Cleaning	Maintenance	SF	E	8	0.45	0.03		Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	13	-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	E	14	-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	E	15	-0.08	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	0.00	n/a	0.00	n/a	-0.64	n/a	0.00	n/a
Evaporator Coil Cleaning	Maintenance	SF	E	14	0.49	0.10		LED Diffuse A-Lamp	Lighting	MH	E	6	1.21	4.29	1.54	4.62	1.74	4.95	1.63	5.27
Evaporator Coil Cleaning	Maintenance	SF	E	15	0.52	0.14		LED Diffuse A-Lamp	Lighting	MH	E	8	1.26	4.82	1.61	5.19	1.82	5.56	1.69	5.92
Evaporator Coil Cleaning	Maintenance	SF	E	16	0.44	0.03		LED Diffuse A-Lamp	Lighting	MH	E	9	1.25	4.79	1.60	5.15	1.81	5.52	1.68	5.88
Fan Control	Maintenance	MH	E	6	0.47	0.06		LED Diffuse A-Lamp	Lighting	MH	E	10	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	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	1.23	4.81	1.58	5.19	1.79	5.56	1.66	5.92
Fan Control	Maintenance	MH	E	10	0.53	0.16		LED Diffuse A-Lamp	Lighting	MH	E	15	1.34	5.59	1.72	6.01	1.95	6.43	1.81	6.85
Fan Control	Maintenance	MH	E	13	0.57	0.23		LED Diffuse A-Lamp	Lighting	MH	E	16	1.14	4.19	1.46	4.52	1.65	4.84	1.54	5.16
Fan Control	Maintenance	MH	E	14	0.61	0.30		LED Diffuse A-Lamp	Lighting	SF	E	6	1.15	4.10	1.47	4.42	1.66	4.73	1.56	5.04
Fan Control	Maintenance	MH	E	15	0.68	0.45		LED Diffuse A-Lamp	Lighting	SF	E	8	1.18	4.33	1.51	4.66	1.71	5.00	1.60	5.32
Fan Control	Maintenance	MH	E	16	0.48	0.08		LED Diffuse A-Lamp	Lighting	SF	E	9	1.18	4.42	1.51	4.76	1.72	5.11	1.60	5.44
Fan Control	Maintenance	MF	E	6	0.47	0.06		LED Diffuse A-Lamp	Lighting	SF	E	10	1.15	4.30	1.48	4.64	1.67	4.98	1.56	5.31
Fan Control	Maintenance	MF	E	8	0.49	0.09		LED Diffuse A-Lamp	Lighting	SF	E	13	1.16	4.48	1.49	4.84	1.69	5.19	1.57	5.53
Fan Control	Maintenance	MF	E	9	0.52	0.14		LED Diffuse A-Lamp	Lighting	SF	E	14	1.15	4.49	1.48	4.84	1.68	5.19	1.57	5.54
Fan Control	Maintenance	MF	E	10	0.53	0.16		LED Diffuse A-Lamp	Lighting	SF	E	15	1.29	5.26	1.66	5.66	1.88	6.06	1.74	6.45
Fan Control	Maintenance	MF	E	13	0.57	0.23		LED Diffuse A-Lamp	Lighting	SF	E	16	1.10	3.97	1.40	4.29	2.03	4.60	1.48	4.91
Fan Control	Maintenance	MF	E	14	0.61	0.30		LED Reflector Lamp	Lighting	MH	E	6	1.09	3.01	1.35	3.24	1.52	3.47	1.45	3.70
Fan Control	Maintenance	MF	E	15	0.68	0.45		LED Reflector Lamp	Lighting	MH	E	8	1.14	3.38	1.44	3.64	1.61	3.90	1.52	4.15
Fan Control	Maintenance	MF	E	16	0.48	0.08		LED Reflector Lamp	Lighting	MH	E	9	1.13	3.35	1.41	3.61	1.59	3.87	1.51	4.12
Fan Control	Maintenance	SF	E	6	0.47	0.06		LED Reflector Lamp	Lighting	MH	E	10	1.12	3.38	1.41	3.64	1.59	3.89	1.50	4.15
Fan Control	Maintenance	SF	E	8	0.49	0.09		LED Reflector Lamp	Lighting	MH	E	13	0.00	0.00	0.00	0.00	1.56	3.93	0.00	0.00
Fan Control	Maintenance	SF	E	9	0.52	0.14		LED Reflector Lamp	Lighting	MH	E	14	1.12	3.37	1.41	3.64	1.59	3.89	1.49	4.15
Fan Control	Maintenance	SF	E	10	0.53	0.16		LED Reflector Lamp	Lighting	MH	E	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fan Control	Maintenance	SF	E	13	0.57	0.23		LED Reflector Lamp	Lighting	MH	E	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fan Control	Maintenance	SF	E	14	0.61	0.30		LED Reflector Lamp	Lighting	SF	E	6	1.04	2.87	1.30	3.10	1.45	3.32	1.38	3.54
Fan Control	Maintenance	SF	E	15	0.68	0.45		LED Reflector Lamp	Lighting	SF	E	8	1.07	3.03	1.34	3.27	1.50	3.50	1.42	3.73
Fan Control	Maintenance	SF	E	16	0.48	0.08		LED Reflector Lamp	Lighting	SF	E	9	1.07	3.10	1.34	3.34	1.51	3.58	1.43	3.81
Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	6	0.00	0.00		LED Reflector Lamp	Lighting	SF	E	10	1.04	3.02	1.31	3.25	1.47	3.49	1.39	3.72

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.

Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	8	0.80	0.89		LED Reflector Lamp	Lighting	SF	E	13	1.05	3.14	1.32	3.39	1.49	3.64	1.41	3.88
Heat Pump Water Heater Electric	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
Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	10	0.00	0.00		LED Reflector Lamp	Lighting	SF	E	15	1.17	3.68	1.48	3.97	1.67	4.25	1.57	4.52
Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	13	0.00	0.00		LED Reflector Lamp	Lighting	SF	E	16	0.99	2.79	1.24	3.01	1.87	3.23	1.32	3.44
Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	14	0.00	0.00		MSHP - RAC Elect Heat	HVAC	SF	E	6	0.31	0.10	0.33	0.11	0.33	0.12	0.41	0.13
Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	15	0.00	0.00		MSHP - RAC Elect Heat	HVAC	SF	E	8	0.32	0.10	0.34	0.11	0.30	0.12	0.42	0.13
Heat Pump Water Heater Electric	Domestic Hot Water	SF	E	16	0.00	0.00		MSHP - RAC Elect Heat	HVAC	SF	E	9	0.38	0.20	0.42	0.22	0.43	0.24	0.52	0.26
Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	6	0.35	n/a		MSHP - RAC Elect Heat	HVAC	SF	E	10	0.54	0.43	0.61	0.47	0.64	0.51	0.71	0.55
Heat Pump Water Heater Gas	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
Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	9	0.36	n/a		MSHP - RAC Elect Heat	HVAC	SF	E	14	0.63	0.58	0.71	0.64	0.76	0.69	0.83	0.74
Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	10	0.36	n/a		MSHP - RAC Elect Heat	HVAC	SF	E	15	0.52	0.34	0.56	0.37	0.58	0.40	0.69	0.43
Heat Pump Water Heater Gas	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
Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	14	0.33	n/a		MSHP - RAC Gas	HVAC	SF	E	6	0.35	n/a	0.35	n/a	0.33	n/a	0.46	n/a
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
Heat Pump Water Heater Gas	Domestic Hot Water	SF	E	16	0.19	n/a		MSHP - RAC Gas	HVAC	SF	E	9	0.42	n/a	0.44	n/a	0.43	n/a	0.54	n/a
Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	6	-0.25	n/a		MSHP - RAC Gas	HVAC	SF	E	10	0.41	n/a	0.47	n/a	0.46	n/a	0.55	n/a
Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	8	-0.22	n/a		MSHP - RAC Gas	HVAC	SF	E	13	0.37	n/a	0.45	n/a	0.40	n/a	0.42	n/a
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
Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	10	-0.22	n/a		MSHP - RAC Gas	HVAC	SF	E	16	0.47	n/a	0.60	n/a	0.37	n/a	0.53	n/a
Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	13	-0.25	n/a		MSHP - RAC Gas	HVAC	SF	E	15	0.43	0.26	0.51	0.27	0.58	0.29	0.51	0.31
Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	14	-0.28	n/a		MSHP - RAC Propane	HVAC	SF	E	6	0.24	n/a	0.25	n/a	0.25	n/a	0.34	n/a
Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	15	-0.06	n/a		MSHP - RAC Propane	HVAC	SF	E	8	0.26	n/a	0.27	n/a	0.26	n/a	0.36	n/a
Heat Pump Water Heater Propane	Domestic Hot Water	SF	E	16	-0.62	n/a		MSHP - RAC Propane	HVAC	SF	E	9	0.28	n/a	0.29	n/a	0.29	n/a	0.38	n/a
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
LED Diffuse A-Lamp	Lighting	MH	E	8	1.13	4.48		MSHP - RAC Propane	HVAC	SF	E	13	0.21	n/a	0.21	n/a	0.22	n/a	0.28	n/a
LED Diffuse A-Lamp	Lighting	MH	E	9	1.12	4.45		MSHP - RAC Propane	HVAC	SF	E	14	0.21	n/a	0.21	n/a	0.20	n/a	0.30	n/a
LED Diffuse A-Lamp	Lighting	MH	E	10	1.12	4.47		MSHP - RAC Propane	HVAC	SF	E	16	0.28	n/a	0.29	n/a	0.27	n/a	0.31	n/a
LED Diffuse A-Lamp	Lighting	MH	E	13	1.10	4.51		MSHP - RAC Propane	HVAC	SF	E	15	0.40	0.14	0.43	0.15	0.44	0.17	0.53	0.18
LED Diffuse A-Lamp	Lighting	MH	E	14	1.10	4.47		Portable AC	HVAC	MH	E	13	-0.60	n/a	-0.45	n/a	-0.38	n/a	-0.81	n/a
LED Diffuse A-Lamp	Lighting	MH	E	15	1.20	5.20		Portable AC	HVAC	MH	E	14	-0.69	n/a	-0.44	n/a	-1.28	n/a	-0.95	n/a
LED Diffuse A-Lamp	Lighting	MH	E	16	1.02	3.88		Portable AC	HVAC	MH	E	15	0.00	n/a	-1.48	n/a	-1.53	n/a	-1.83	n/a
LED Diffuse A-Lamp	Lighting	MF	E	6	1.06	3.88		Portable AC	HVAC	SF	E	13	-0.27	n/a	-0.36	n/a	-0.47	n/a	-0.52	n/a
LED Diffuse A-Lamp	Lighting	MF	E	8	1.10	4.12		Portable AC	HVAC	SF	E	14	-0.79	n/a	-0.93	n/a	-1.06	n/a	-1.16	n/a
LED Diffuse A-Lamp	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	n/a
LED Diffuse A-Lamp	Lighting	MF	E	10	1.09	4.26		Refrigerant Charge Adjustment	Maintenance	MH	E	6	0.96	1.14	1.14	1.32	1.26	1.48	1.26	1.60
LED Diffuse A-Lamp	Lighting	MF	E	13	1.08	4.25		Refrigerant Charge Adjustment	Maintenance	MH	E	8	1.19	2.28	1.48	2.64	1.66	2.96	1.60	3.19
LED Diffuse A-Lamp	Lighting	MF	E	14	1.09	4.30		Refrigerant Charge Adjustment	Maintenance	MH	E	9	1.25	2.73	1.57	3.17	1.77	3.55	1.69	3.83
LED Diffuse A-Lamp	Lighting	MF	E	15	1.19	5.01		Refrigerant Charge Adjustment	Maintenance	MH	E	10	1.38	4.16	1.77	4.82	2.02	5.40	1.89	5.83
LED Diffuse A-Lamp	Lighting	MF	E	16	1.02	3.78		Refrigerant Charge Adjustment	Maintenance	MH	E	13	1.49	6.20	1.95	7.18	2.23	8.05	2.05	8.69
LED Diffuse A-Lamp	Lighting	SF	E	6	1.03	3.80		Refrigerant Charge Adjustment	Maintenance	MH	E	14	1.55	8.17	2.05	9.47	2.35	10.61	2.15	11.45
LED Diffuse A-Lamp	Lighting	SF	E	8	1.06	4.02		Refrigerant Charge Adjustment	Maintenance	MH	E	15	1.60	10.65	2.13	12.33	2.45	13.82	2.22	14.92
LED Diffuse A-Lamp	Lighting	SF	E	9	1.06	4.10		Refrigerant Charge Adjustment	Maintenance	MH	E	16	1.03	1.55	1.27	1.80	1.41	2.01	1.39	2.17
LED Diffuse A-Lamp	Lighting	SF	E	10	1.03	3.99		Refrigerant Charge Adjustment	Maintenance	SF	E	6	0.95	1.14	1.14	1.32	1.25	1.48	1.25	1.60
LED Diffuse A-Lamp	Lighting	SF	E	13	1.04	4.16		Refrigerant Charge Adjustment	Maintenance	SF	E	8	1.19	2.28	1.48	2.64	1.66	2.96	1.60	3.19
LED Diffuse A-Lamp	Lighting	SF	E	14	1.03	4.16		Refrigerant Charge Adjustment	Maintenance	SF	E	9	1.25	2.73	1.57	3.17	1.77	3.55	1.69	3.83
LED Diffuse A-Lamp	Lighting	SF	E	15	1.16	4.89		Refrigerant Charge Adjustment	Maintenance	SF	E	10	1.38	4.16	1.77	4.82	2.02	5.40	1.89	5.83
LED Diffuse A-Lamp	Lighting	SF	E	16	0.98	3.68		Refrigerant Charge Adjustment	Maintenance	SF	E	13	1.49	6.20	1.95	7.18	2.22	8.05	2.05	8.69
LED Reflector Lamp	Lighting	MH	E	6	0.98	2.80		Refrigerant Charge Adjustment	Maintenance	SF	E	14	1.55	8.17	2.05	9.47	2.35	10.61	2.14	11.45
LED Reflector Lamp	Lighting	MH	E	8	1.02	3.14		Refrigerant Charge Adjustment	Maintenance	SF	E	15	1.60	10.65	2.13	12.33	2.45	13.82	2.22	14.92
LED Reflector Lamp	Lighting	MH	E	9	1.02	3.12		Refrigerant Charge Adjustment	Maintenance	SF	E	16	1.06	1.55	1.29	1.80	1.43	2.01	1.40	2.17
LED Reflector Lamp	Lighting	MH	E	10	1.02	3.14		Smart Power Strip Tier 2	Miscellaneous	MH	E	6	0.74	1.28	0.90	1.43	1.01	1.58	1.00	1.70
LED Reflector Lamp	Lighting	MH	E	13	0.00	0.00		Smart Power Strip Tier 2	Miscellaneous	MH	E	8	0.80	1.45	0.97	1.62	1.09	1.77	1.08	1.92
LED Reflector Lamp	Lighting	MH	E	14	1.00	3.13		Smart Power Strip Tier 2	Miscellaneous	MH	E	9	0.79	1.43	0.96	1.60	1.08	1.76	1.07	1.90
LED Reflector Lamp	Lighting	MH	E	15	0.00	0.00		Smart Power Strip Tier 2	Miscellaneous	MH	E	10	0.79	1.44	0.96	1.61	1.08	1.77	1.07	1.91
LED Reflector Lamp	Lighting	MH	E	16	0.00	0.00		Smart Power Strip Tier 2	Miscellaneous	MH	E	13	0.78	1.45	0.96	1.62	1.08	1.78	1.06	1.92
LED Reflector Lamp	Lighting	MF	E	6	0.96	2.72		Smart Power Strip Tier 2	Miscellaneous	MH	E	14	0.78	1.43	0.95	1.60	1.07	1.76	1.06	1.90
LED Reflector Lamp	Lighting	MF	E	8	0.99	2.89		Smart Power Strip Tier 2	Miscellaneous	MH	E	15	0.88	1.70	1.08	1.89	1.21	2.07	1.19	2.23
LED Reflector Lamp	Lighting	MF	E	9	1.00	3.02		Smart Power Strip Tier 2	Miscellaneous	MH	E	16	0.70	1.22	0.85	1.37	0.96	1.51	0.95	1.64
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
LED Reflector Lamp	Lighting	MF	E	13	0.98	2.98		Smart Power Strip Tier 2	Miscellaneous	SF	E	8	0.73	1.28	0.89	1.43	1.00	1.58	0.99	1.71
LED Reflector Lamp	Lighting	MF	E	14	0.99	3.02		Smart Power Strip Tier 2	Miscellaneous	SF	E	9	0.73	1.31	0.90	1.46	1.01	1.61	1.00	1.74
LED Reflector Lamp	Lighting	MF	E	15	1.08	3.51		Smart Power Strip Tier 2	Miscellaneous	SF	E	10	0.71	1.26	0.87	1.42	0.98	1.56	0.97	1.69
LED Reflector Lamp	Lighting	MF	E	16	0.92	2.65		Smart Power Strip Tier 2	Miscellaneous	SF	E	13	0.72	1.31	0.88	1.47	1.00	1.62	0.99	1.76
LED Reflector Lamp	Lighting	SF	E	6	0.93	2.66		Smart Power Strip Tier 2	Miscellaneous	SF	E	14	0.72	1.31	0.88	1.47	0.99	1.62	0.98	1.76
LED Reflector Lamp	Lighting	SF	E	8	0.96	2.82		Smart Power Strip Tier 2	Miscellaneous	SF	E	15	0.84	1.58	1.02	1.76	1.15	1.94	1.13	2.09
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
LED Reflector Lamp	Lighting	SF	E	10	0.94	2.80		Smart Thermostat	HVAC	MH	E	6	0.51	0.57	0.60	0.62	0.63	0.66	0.64	0.70
LED Reflector Lamp	Lighting	SF	E	13	0.94	2.92		Smart Thermostat	HVAC	MH	E	8	0.69	0.89	0.79	0.96	0.87	1.03	0.87	1.09
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
LED Reflector Lamp	Lighting	SF	E	15	1.06	3.42		Smart Thermostat	HVAC	MH	E	10	0.84	1.29	0.99	1.40	1.08	1.50	1.07	1.59
LED Reflector Lamp	Lighting	SF	E	16	0.89	2.58		Smart Thermostat	HVAC	MH	E	13	0.94	1.66	1.13	1.79	1.24	1.92	1.21	2.04
MSHP - RAC Elect Heat	HVAC	SF	E	6	0.45	0.09		Smart Thermostat	HVAC	MH	E	14	0.85	1.35	1.01	1.46	1.11	1.57	1.09	1.66
MSHP - RAC Elect Heat	HVAC	SF	E	8	0.45	0.09		Smart Thermostat	HVAC	MH	E	15	1.19	3.05	1.48	3.31	1.65	3.54	1.57	3.75
MSHP - RAC Elect Heat	HVAC	SF	E	9	0.51	0.18		Smart Thermostat	HVAC	MH	E	16	0.47	0.42	0.51	0.46	0.52	0.49	0.54	0.52
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
MSHP - RAC Elect Heat	HVAC	SF	E	13	0.58	0.32		Smart Thermostat	HVAC	SF	E	8	0.62	0.74	0.71	0.80	0.77	0.85	0.78	0.90
MSHP - RAC Elect Heat	HVAC	SF	E	14	0.69	0.54		Smart Thermostat	HVAC	SF	E	9	0.59	0.67	0.68	0.73	0.73	0.78	0.74	0.83
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
MSHP - RAC Elect Heat	HVAC	SF	E	16	0.46	0.11		Smart Thermostat	HVAC	SF	E	13	0.74	1.02	0.86	1.11	0.94	1.18	0.94	1.26
MSHP - RAC Gas	HVAC	SF	E	6	0.46	n/a		Smart Thermostat	HVAC	SF	E	14	1.00	1.93	1.21	2.09	1.34	2.24	1.30	2.38
MSHP - RAC Gas	HVAC	SF	E	8	0.47	n/a		Smart Thermostat	HVAC	SF	E	15	1.09	2.38	1.33	2.58	1.48	2.77	1.42	2.93
MSHP - RAC Gas	HVAC	SF	E	9	0.50	n/a		Smart Thermostat	HVAC	SF	E	16	0.25	0.13	0.27	0.14	0.28	0.15	0.29	0.16
MSHP - RAC Gas	HVAC	SF	E	10	0.54	n/a		TSV	Domestic Hot Water	MH	E	6	1.01	1.69	1.22	1.83	1.36	1.97	1.31	2.12
MSHP - RAC Gas	HVAC	SF	E	13	0.53	n/a		TSV	Domestic Hot Water	MH	E	8	0.99	1.61	1.11	1.75	1.23	1.88	1.29	2.02
MSHP - RAC Gas	HVAC	SF	E	14	0.56	n/a		TSV	Domestic Hot Water	MH	E	9	0.99	1.61	1.19	1.74	1.33	1.88	1.29	2.02
MSHP - RAC Gas	HVAC	SF	E	16	0.44	n/a		TSV	Domestic Hot Water	MH	E	10	0.99	1.60	1.10	1.73	1.23	1.87	1.28	2.00
MSHP - RAC Gas	HVAC	SF	E	15	0.58	0.24		TSV	Domestic Hot Water	MH	E	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MSHP - RAC Propane	HVAC	SF	E	6	0.42	n/a		TSV	Domestic Hot Water	MH	E	14	0.86	1.65	1.04	1.79	1.15	1.93	1.14	2.08
MSHP - RAC Propane	HVAC	SF	E	8	0.43	n/a		TSV	Domestic Hot Water	MH	E	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Joint IOU Compliance Filing Advice Letter

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.

MSHP - RAC Propane	HVAC	SF	E	9	0.44	n/a		TSV	Domestic Hot Water	MH	E	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MSHP - RAC Propane	HVAC	SF	E	10	0.41	n/a		TSV	Domestic Hot Water	SF	E	6	0.97	1.58	1.13	1.72	1.24	1.85	1.26	1.99
MSHP - RAC Propane	HVAC	SF	E	13	0.42	n/a		TSV	Domestic Hot Water	SF	E	8	0.94	1.51	1.07	1.64	1.19	1.77	1.20	1.90
MSHP - RAC Propane	HVAC	SF	E	14	0.38	n/a		TSV	Domestic Hot Water	SF	E	9	0.95	1.51	1.08	1.63	1.20	1.76	1.21	1.89
MSHP - RAC Propane	HVAC	SF	E	16	0.37	n/a		TSV	Domestic Hot Water	SF	E	10	0.93	1.50	1.07	1.62	1.18	1.75	1.19	1.88
MSHP - RAC Propane	HVAC	SF	E	15	0.53	0.13		TSV	Domestic Hot Water	SF	E	13	0.96	1.50	1.10	1.62	1.22	1.75	1.25	1.88
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
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
Portable AC	HVAC	MH	E	15	-1.35	n/a		TSV	Domestic Hot Water	SF	E	16	1.06	1.94	1.29	2.10	1.44	2.27	1.39	2.44
Portable AC	HVAC	MF	E	13	-0.95	n/a		TSV/Showerhead Combined	Domestic Hot Water	MH	E	6	0.69	0.68	0.79	0.74	0.87	0.80	0.86	0.86
Portable AC	HVAC	MF	E	14	-1.41	n/a		TSV/Showerhead Combined	Domestic Hot Water	MH	E	8	0.68	0.65	0.66	0.71	0.73	0.76	0.85	0.82
Portable AC	HVAC	MF	E	15	-1.35	n/a		TSV/Showerhead Combined	Domestic Hot Water	MH	E	9	0.67	0.65	0.78	0.71	0.85	0.76	0.84	0.82
Portable AC	HVAC	SF	E	13	-0.95	n/a		TSV/Showerhead Combined	Domestic Hot Water	MH	E	10	0.67	0.65	0.66	0.70	0.72	0.76	0.84	0.81
Portable AC	HVAC	SF	E	14	-1.41	n/a		TSV/Showerhead Combined	Domestic Hot Water	MH	E	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Portable AC	HVAC	SF	E	15	-1.35	n/a		TSV/Showerhead Combined	Domestic Hot Water	MH	E	14	0.49	0.67	0.56	0.73	0.62	0.78	0.63	0.84
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
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
Refrigerant Charge Adjustment	Maintenance	MH	E	9	1.13	2.45		TSV/Showerhead Combined	Domestic Hot Water	SF	E	6	0.66	0.68	0.72	0.74	0.77	0.80	0.83	0.86
Refrigerant Charge Adjustment	Maintenance	MH	E	10	1.25	3.73		TSV/Showerhead Combined	Domestic Hot Water	SF	E	8	0.63	0.65	0.67	0.71	0.72	0.76	0.78	0.82
Refrigerant Charge Adjustment	Maintenance	MH	E	13	1.34	5.56		TSV/Showerhead Combined	Domestic Hot Water	SF	E	9	0.65	0.65	0.67	0.71	0.74	0.76	0.79	0.82
Refrigerant Charge Adjustment	Maintenance	MH	E	14	1.39	7.33		TSV/Showerhead Combined	Domestic Hot Water	SF	E	10	0.61	0.65	0.65	0.70	0.71	0.76	0.75	0.81
Refrigerant Charge Adjustment	Maintenance	MH	E	15	1.43	9.55		TSV/Showerhead Combined	Domestic Hot Water	SF	E	13	0.67	0.65	0.70	0.70	0.77	0.76	0.84	0.82
Refrigerant Charge Adjustment	Maintenance	MH	E	16	0.97	1.39		TSV/Showerhead Combined	Domestic Hot Water	SF	E	14	0.62	0.67	0.67	0.73	0.73	0.78	0.79	0.84
Refrigerant Charge Adjustment	Maintenance	MF	E	6	0.88	1.02		TSV/Showerhead Combined	Domestic Hot Water	SF	E	15	0.48	0.47	0.54	0.51	0.59	0.55	0.60	0.59
Refrigerant Charge Adjustment	Maintenance	MF	E	8	1.08	2.04		TSV/Showerhead Combined	Domestic Hot Water	SF	E	16	0.75	0.84	0.88	0.91	0.96	0.98	0.95	1.05
Refrigerant Charge Adjustment	Maintenance	MF	E	9	1.13	2.45														
Refrigerant Charge Adjustment	Maintenance	MF	E	10	1.25	3.73														
Refrigerant Charge Adjustment	Maintenance	MF	E	13	1.34	5.56														
Refrigerant Charge Adjustment	Maintenance	MF	E	14	1.39	7.33														
Refrigerant Charge Adjustment	Maintenance	MF	E	15	1.43	9.55														
Refrigerant Charge Adjustment	Maintenance	MF	E	16	0.97	1.39														
Refrigerant Charge Adjustment	Maintenance	SF	E	6	0.88	1.02														
Refrigerant Charge Adjustment	Maintenance	SF	E	8	1.08	2.04														
Refrigerant Charge Adjustment	Maintenance	SF	E	9	1.13	2.45														
Refrigerant Charge Adjustment	Maintenance	SF	E	10	1.25	3.73														
Refrigerant Charge Adjustment	Maintenance	SF	E	13	1.34	5.56														
Refrigerant Charge Adjustment	Maintenance	SF	E	14	1.39	7.33														
Refrigerant Charge Adjustment	Maintenance	SF	E	15	1.43	9.55														
Refrigerant Charge Adjustment	Maintenance	SF	E	16	0.97	1.39														
Smart Power Strip Tier 2	Miscellaneous	MH	E	6	0.66	1.15														
Smart Power Strip Tier 2	Miscellaneous	MH	E	8	0.71	1.29														
Smart Power Strip Tier 2	Miscellaneous	MH	E	9	0.70	1.28														
Smart Power Strip Tier 2	Miscellaneous	MH	E	10	0.70	1.29														
Smart Power Strip Tier 2	Miscellaneous	MH	E	13	0.70	1.29														
Smart Power Strip Tier 2	Miscellaneous	MH	E	14	0.69	1.28														
Smart Power Strip Tier 2	Miscellaneous	MH	E	15	0.79	1.52														
Smart Power Strip Tier 2	Miscellaneous	MH	E	16	0.62	1.09														
Smart Power Strip Tier 2	Miscellaneous	MF	E	6	0.65	1.11														
Smart Power Strip Tier 2	Miscellaneous	MF	E	8	0.68	1.19														
Smart Power Strip Tier 2	Miscellaneous	MF	E	9	0.69	1.24														
Smart Power Strip Tier 2	Miscellaneous	MF	E	10	0.68	1.22														
Smart Power Strip Tier 2	Miscellaneous	MF	E	13	0.67	1.21														
Smart Power Strip Tier 2	Miscellaneous	MF	E	14	0.68	1.23														
Smart Power Strip Tier 2	Miscellaneous	MF	E	15	0.77	1.46														
Smart Power Strip Tier 2	Miscellaneous	MF	E	16	0.61	1.06														
Smart Power Strip Tier 2	Miscellaneous	SF	E	6	0.62	1.08														
Smart Power Strip Tier 2	Miscellaneous	SF	E	8	0.65	1.14														
Smart Power Strip Tier 2	Miscellaneous	SF	E	9	0.65	1.17														
Smart Power Strip Tier 2	Miscellaneous	SF	E	10	0.63	1.12														
Smart Power Strip Tier 2	Miscellaneous	SF	E	13	0.64	1.17														
Smart Power Strip Tier 2	Miscellaneous	SF	E	14	0.64	1.16														
Smart Power Strip Tier 2	Miscellaneous	SF	E	15	0.75	1.42														
Smart Power Strip Tier 2	Miscellaneous	SF	E	16	0.58	1.02														
Smart Thermostat	HVAC	MH	E	6	0.50	0.53														
Smart Thermostat	HVAC	MH	E	8	0.64	0.82														
Smart Thermostat	HVAC	MH	E	9	0.62	0.78														
Smart Thermostat	HVAC	MH	E	10	0.77	1.20														
Smart Thermostat	HVAC	MH	E	13	0.86	1.54														
Smart Thermostat	HVAC	MH	E	14	0.78	1.25														
Smart Thermostat	HVAC	MH	E	15	1.07	2.83														
Smart Thermostat	HVAC	MH	E	16	0.43	0.39														
Smart Thermostat	HVAC	MF	E	6	0.20	0.07														
Smart Thermostat	HVAC	MF	E	8	0.27	0.16														
Smart Thermostat	HVAC	MF	E	9	0.30	0.20														
Smart Thermostat	HVAC	MF	E	10	0.26	0.14														
Smart Thermostat	HVAC	MF	E	13	0.50	0.52														
Smart Thermostat	HVAC	MF	E	14	0.57	0.67														
Smart Thermostat	HVAC	MF	E	15	0.64	0.82														
Smart Thermostat	HVAC	MF	E	16	0.37	0.30														
Smart Thermostat	HVAC	SF	E	6	0.36	0.28														
Smart Thermostat	HVAC	SF	E	8	0.58	0.68														
Smart Thermostat	HVAC	SF	E	9	0.55	0.62														
Smart Thermostat	HVAC	SF	E	10	0.61	0.75														
Smart Thermostat	HVAC	SF	E	13	0.68	0.95														
Smart Thermostat	HVAC	SF	E	14	0.91	1.79														
Smart Thermostat	HVAC	SF	E	15	0.99	2.21														
Smart Thermostat	HVAC	SF	E	16	0.24	0.12														
TSV	Domestic Hot Water	MH	E	6	0.91	1.56														
TSV	Domestic Hot Water	MH	E	8	0.90	1.49														

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

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

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

Joint IOU Compliance Filing Advice Letter

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

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Southern California Gas Company

Measure Single Family, Mobile Homes, and Multifamily In-unit Installations [1]	Measure Group	Type of Home (SF, MH)	Electric or Gas (E,G)	Climate Zone (Number)	2022		Measure Single Family and Mobile Homes - Installations [3]	Measure Group	Type of Home (SF, MH)	Electric or Gas (E,G)	Climate Zone (Number)	2023		2024		2025		2026	
					ESACET	Resource Test [2]						ESACET	Resource Test [2]	ESACET	Resource Test [2]	ESACET	Resource Test [2]	ESACET	Resource Test [2]
Air Sealing / Envelope	Enclosure	MF	G	All	0.09	-	Air Sealing / Envelope	Enclosure	MH	G	All	0.09	-	0.10	-	0.10	-	0.10	-
Air Sealing / Envelope	Enclosure	MH	G	All	0.09	-	Air Sealing / Envelope	Enclosure	SF	G	4	0.09	-	0.10	-	0.10	-	0.10	-
Air Sealing / Envelope	Enclosure	SF	G	4	0.09	-	Air Sealing / Envelope	Enclosure	SF	G	5	0.09	-	0.10	-	0.10	-	0.10	-
Air Sealing / Envelope	Enclosure	SF	G	5	0.09	-	Air Sealing / Envelope	Enclosure	SF	G	6	0.09	-	0.10	-	0.10	-	0.10	-
Air Sealing / Envelope	Enclosure	SF	G	6	0.09	-	Air Sealing / Envelope	Enclosure	SF	G	8	0.09	-	0.10	-	0.10	-	0.10	-
Air Sealing / Envelope	Enclosure	SF	G	8	0.09	-	Air Sealing / Envelope	Enclosure	SF	G	9	0.20	0.19	0.20	0.20	0.21	0.21	0.22	0.22
Air Sealing / Envelope	Enclosure	SF	G	9	0.19	0.18	Air Sealing / Envelope	Enclosure	SF	G	10	0.09	-	0.10	-	0.10	-	0.10	-
Air Sealing / Envelope	Enclosure	SF	G	10	0.09	-	Air Sealing / Envelope	Enclosure	SF	G	13	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	Enclosure	SF	G	16	0.09	-	Attic Insulation	Enclosure	SF	G	4	0.26	0.45	0.28	0.47	0.29	0.49	0.30	0.52
Attic Insulation	Enclosure	MF	G	6	0.21	0.21	Attic Insulation	Enclosure	SF	G	5	0.26	0.42	0.27	0.44	0.28	0.46	0.30	0.48
Attic Insulation	Enclosure	MF	G	8	0.21	0.23	Attic Insulation	Enclosure	SF	G	6	0.26	0.40	0.27	0.42	0.28	0.44	0.29	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	0.28	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	0.27	0.39	0.28	0.41
Attic Insulation	Enclosure	MF	G	15	0.20	0.18	Attic Insulation	Enclosure	SF	G	13	0.29	0.62	0.30	0.65	0.32	0.68	0.33	0.71
Attic Insulation	Enclosure	MF	G	16	0.21	0.22	Attic Insulation	Enclosure	SF	G	14	0.27	0.49	0.29	0.52	0.30	0.54	0.31	0.57
Attic Insulation	Enclosure	SF	G	4	0.26	0.42	Attic Insulation	Enclosure	SF	G	15	0.22	0.27	0.23	0.28	0.24	0.30	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	0.29	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)	0.04	(0.08)	0.04	(0.08)
Attic Insulation	Enclosure	SF	G	8	0.23	0.27	Furnace Repair	HVAC	MH	G	5	(1.42)	(1.53)	(1.49)	(1.61)	(1.57)	(1.69)	(1.65)	(1.78)
Attic Insulation	Enclosure	SF	G	9	0.25	0.38	Furnace Repair	HVAC	MH	G	6	(1.29)	(1.40)	(1.36)	(1.47)	(1.43)	(1.55)	(1.50)	(1.63)
Attic Insulation	Enclosure	SF	G	10	0.25	0.34	Furnace Repair	HVAC	MH	G	8	(1.43)	(1.54)	(1.50)	(1.62)	(1.58)	(1.70)	(1.66)	(1.79)
Attic Insulation	Enclosure	SF	G	13	0.29	0.59	Furnace Repair	HVAC	MH	G	9	(1.42)	(1.54)	(1.50)	(1.62)	(1.58)	(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)	(1.03)	(1.15)	(1.08)	(1.20)
Attic Insulation	Enclosure	SF	G	15	0.22	0.25	Furnace Repair	HVAC	MH	G	13	(1.15)	(1.27)	(1.22)	(1.33)	(1.28)	(1.40)	(1.35)	(1.47)
Attic Insulation	Enclosure	SF	G	16	0.26	0.41	Furnace Repair	HVAC	MH	G	14	(1.03)	(1.14)	(1.09)	(1.20)	(1.14)	(1.26)	(1.20)	(1.33)
Furnace clean and tune	HVAC	All	G	All	0.05	(0.06)	Furnace Repair	HVAC	MH	G	15	(0.89)	(1.00)	(0.93)	(1.05)	(0.98)	(1.10)	(1.04)	(1.16)
Furnace Repair	HVAC	MF	G	5	(1.01)	(1.13)	Furnace Repair	HVAC	MH	G	16	(1.33)	(1.45)	(1.40)	(1.52)	(1.48)	(1.60)	(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)	(2.10)	(2.22)	(2.21)	(2.33)
Furnace Repair	HVAC	MF	G	8	(0.83)	(0.95)	Furnace Repair	HVAC	SF	G	5	(1.77)	(1.89)	(1.86)	(1.98)	(1.96)	(2.08)	(2.06)	(2.18)
Furnace Repair	HVAC	MF	G	9	(0.65)	(0.76)	Furnace Repair	HVAC	SF	G	6	(1.78)	(1.89)	(1.87)	(1.99)	(1.97)	(2.09)	(2.07)	(2.19)
Furnace Repair	HVAC	MF	G	10	(0.81)	(0.93)	Furnace Repair	HVAC	SF	G	8	(1.98)	(2.09)	(2.08)	(2.20)	(2.19)	(2.31)	(2.30)	(2.43)
Furnace Repair	HVAC	MH	G	5	(1.34)	(1.46)	Furnace Repair	HVAC	SF	G	9	(2.16)	(2.27)	(2.27)	(2.39)	(2.39)	(2.51)	(2.51)	(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)	(1.10)	(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)	(0.99)	(1.11)	(1.04)	(1.17)
Furnace Repair	HVAC	MH	G	10	(0.87)	(0.99)	Furnace Repair	HVAC	SF	G	15	(1.09)	(1.21)	(1.15)	(1.27)	(1.21)	(1.33)	(1.28)	(1.40)
Furnace Repair	HVAC	MH	G	13	(1.09)	(1.21)	Furnace Repair	HVAC	SF	G	16	(1.84)	(1.96)	(1.94)	(2.05)	(2.04)	(2.16)	(2.14)	(2.27)
Furnace Repair	HVAC	MH	G	14	(0.97)	(1.09)	Smart Thermostat	HVAC	MH	G	5	0.11	0.04	0.12	0.05	0.12	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	0.11	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	0.11	0.04	0.12	0.04
Furnace Repair	HVAC	SF	G	5	(1.68)	(1.79)	Smart Thermostat	HVAC	MH	G	10	0.10	0.02	0.10	0.02	0.10	0.02	0.11	0.02
Furnace Repair	HVAC	SF	G	6	(1.68)	(1.80)	Smart Thermostat	HVAC	MH	G	13	0.11	0.04	0.11	0.04	0.12	0.05	0.12	0.05
Furnace Repair	HVAC	SF	G	8	(1.88)	(1.99)	Smart Thermostat	HVAC	MH	G	14	0.11	0.04	0.12	0.05	0.12	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	0.11	0.03	0.11	0.03
Furnace Repair	HVAC	SF	G	10	(0.93)	(1.05)	Smart Thermostat	HVAC	MH	G	16	0.13	0.07	0.14	0.08	0.14	0.08	0.15	0.09
Furnace Repair	HVAC	SF	G	13	(1.19)	(1.31)	Smart Thermostat	HVAC	SF	G	4	0.14	0.08	0.14	0.09	0.15	0.09	0.15	0.10
Furnace Repair	HVAC	SF	G	14	(0.84)	(0.96)	Smart Thermostat	HVAC	SF	G	5	0.14	0.08	0.14	0.09	0.15	0.09	0.15	0.10
Furnace Repair	HVAC	SF	G	15	(1.03)	(1.15)	Smart Thermostat	HVAC	SF	G	6	0.13	0.06	0.13	0.07	0.14	0.07	0.14	0.08
Furnace Repair	HVAC	SF	G	16	(1.74)	(1.86)	Smart Thermostat	HVAC	SF	G	8	0.12	0.05	0.12	0.06	0.13	0.06	0.13	0.06
Smart Thermostat	HVAC	MF	G	5	0.09	0.02	Smart Thermostat	HVAC	SF	G	9	0.13	0.07	0.13	0.07	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	0.14	0.08	0.15	0.09
Smart Thermostat	HVAC	MF	G	8	0.10	0.03	Smart Thermostat	HVAC	SF	G	13	0.14	0.09	0.14	0.09	0.15	0.09	0.15	0.10
Smart Thermostat	HVAC	MF	G	9	0.10	0.03	Smart Thermostat	HVAC	SF	G	14	0.14	0.10	0.15	0.10	0.16	0.11	0.16	0.11
Smart Thermostat	HVAC	MF	G	10	0.09	0.01	Smart Thermostat	HVAC	SF	G	15	0.13	0.06	0.13	0.07	0.13	0.07	0.14	0.07
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	0.11	0.18	0.11	0.19	0.12	0.20	0.12
Smart Thermostat	HVAC	MH	G	6	0.11	0.04	HEFAU Early Replace	HVAC	MH	G	6	0.15	0.05	0.15	0.05	0.16	0.05	0.16	0.06
Smart Thermostat	HVAC	MH	G	8	0.10	0.03	HEFAU Early Replace	HVAC	MH	G	8	0.14	0.04	0.15	0.04	0.15	0.05	0.16	0.05
Smart Thermostat	HVAC	MH	G	9	0.10	0.03	HEFAU Early Replace	HVAC	MH	G	9	0.15	0.06	0.16	0.06	0.16	0.06	0.17	0.07
Smart Thermostat	HVAC	MH	G	10	0.09	0.02	HEFAU Early Replace	HVAC	MH	G	10	0.15	0.05	0.15	0.05	0.16	0.06	0.16	0.06
Smart Thermostat	HVAC	MH	G	13	0.11	0.04	HEFAU Early Replace	HVAC	MH	G	13	0.17	0.08	0.17	0.09	0.18	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	0.18	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	0.14	0.03	0.15	0.04
Smart Thermostat	HVAC	MH	G	16	0.13	0.07	HEFAU Early Replace	HVAC	MH	G	16	0.18	0.11	0.18	0.11	0.19	0.12	0.20	0.13
Smart Thermostat	HVAC	SF	G	4	0.13	0.08	HEFAU Early Replace	HVAC	SF	G	5	0.20	0.16	0.21	0.17	0.22	0.18	0.22	0.18
Smart Thermostat	HVAC	SF	G	5	0.13	0.08	HEFAU Early Replace	HVAC	SF	G	6	0.16	0.07	0.16	0.07	0.17	0.08	0.18	0.08
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	0.09	0.18	0.10	0.18	0.10	0.19	0.11
Smart Thermostat	HVAC	SF	G	9	0.12	0.06	HEFAU Early Replace	HVAC	SF	G	10	0.18	0.11	0.18	0.11	0.19	0.12	0.20	0.12
Smart Thermostat	HVAC	SF	G	10	0.13	0.07	HEFAU Early Replace	HVAC	SF	G	13	0.18	0.11	0.19	0.12	0.19	0.12	0.20	0.13
Smart Thermostat	HVAC	SF	G	13	0.14	0.08	HEFAU Early Replace	HVAC	SF	G	14	0.19	0.13	0.19	0.14	0.20	0.14	0.21	0.15
Smart Thermostat	HVAC	SF	G	14	0.14	0.09	HEFAU Early Replace	HVAC	SF	G	15	0.15	0.06	0.16	0.07	0.16	0.07	0.17	0.07
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	0.08	0.17	0.09	0.18	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	0.15	0.05	0.16	0.05
HEFAU Early Replace	HVAC	MF	G	8	0.13	0.02	HEFAU On Burnout	HVAC	MH	G	8	0.13	0.03	0.14	0.03	0.14	0.03	0.14	0.03
HEFAU Early Replace	HVAC	MF	G	9	0.14	0.02	HEFAU On Burnout	HVAC	MH	G	9	0.14	0.05	0.15	0.05	0.15	0.05	0.16	0.05
HEFAU Early Replace	HVAC	MH	G	5	0.18	0.10	HEFAU On Burnout	HVAC	MH	G	10	0.15	0.05	0.15	0.05	0.16	0.06	0.16	0.06

Joint IOU Compliance Filing Advice Letter

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.

HEFAU Early Replace	HVAC	MH	G	6	0.15	0.05		HEFAU On Burnout	HVAC	MH	G	13	0.16	0.08	0.17	0.08	0.17	0.09	0.18	0.09
HEFAU Early Replace	HVAC	MH	G	8	0.14	0.04		HEFAU On Burnout	HVAC	MH	G	14	0.16	0.08	0.17	0.09	0.18	0.09	0.18	0.10
HEFAU Early Replace	HVAC	MH	G	9	0.15	0.05		HEFAU On Burnout	HVAC	MH	G	15	0.14	0.03	0.14	0.03	0.14	0.03	0.15	0.04
HEFAU Early Replace	HVAC	MH	G	10	0.15	0.05		HEFAU On Burnout	HVAC	MH	G	16	0.17	0.10	0.18	0.10	0.19	0.11	0.19	0.11
HEFAU Early Replace	HVAC	MH	G	13	0.17	0.08		HEFAU On Burnout	HVAC	SF	G	4	0.17	0.09	0.18	0.10	0.18	0.10	0.19	0.11
HEFAU Early Replace	HVAC	MH	G	14	0.17	0.08		HEFAU On Burnout	HVAC	SF	G	5	0.16	0.08	0.17	0.08	0.17	0.09	0.18	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	0.18	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	0.15	0.04
HEFAU Early Replace	HVAC	SF	G	5	0.20	0.15		HEFAU On Burnout	HVAC	SF	G	9	0.15	0.06	0.16	0.06	0.16	0.07	0.17	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	0.18	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	0.30	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	0.30	0.43
HEFAU On Burnout	HVAC	MF	G	10	0.12	0.01		HE Wall Furnace Early Replace	HVAC	SF	G	13	0.29	0.57	0.31	0.60	0.32	0.63	0.34	0.66
HEFAU On Burnout	HVAC	MH	G	5	0.17	0.08		HE Wall Furnace Early Replace	HVAC	SF	G	14	0.31	0.69	0.32	0.72	0.34	0.76	0.35	0.79
HEFAU On Burnout	HVAC	MH	G	6	0.14	0.04		HE Wall Furnace Early Replace	HVAC	SF	G	15	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25
HEFAU On Burnout	HVAC	MH	G	8	0.14	0.02		HE Wall Furnace Early Replace	HVAC	SF	G	16	0.32	0.85	0.34	0.90	0.35	0.94	0.37	0.99
HEFAU On Burnout	HVAC	MH	G	9	0.15	0.04		HE Wall Furnace On Burnout	HVAC	SF	G	4	0.27	0.43	0.28	0.45	0.30	0.47	0.31	0.50
HEFAU On Burnout	HVAC	MH	G	10	0.15	0.05		HE Wall Furnace On Burnout	HVAC	SF	G	5	0.29	0.52	0.30	0.55	0.31	0.58	0.33	0.61
HEFAU On Burnout	HVAC	MH	G	13	0.16	0.07		HE Wall Furnace On Burnout	HVAC	SF	G	6	0.25	0.31	0.26	0.33	0.27	0.35	0.28	0.37
HEFAU On Burnout	HVAC	MH	G	14	0.17	0.08		HE Wall Furnace On Burnout	HVAC	SF	G	8	0.22	0.20	0.22	0.21	0.23	0.23	0.24	0.24
HEFAU On Burnout	HVAC	MH	G	15	0.14	0.03		HE Wall Furnace On Burnout	HVAC	SF	G	9	0.24	0.29	0.25	0.31	0.26	0.33	0.28	0.34
HEFAU On Burnout	HVAC	MH	G	16	0.18	0.09		HE Wall Furnace On Burnout	HVAC	SF	G	10	0.24	0.29	0.25	0.31	0.26	0.32	0.28	0.34
HEFAU On Burnout	HVAC	SF	G	4	0.17	0.09		HE Wall Furnace On Burnout	HVAC	SF	G	13	0.27	0.45	0.29	0.47	0.30	0.50	0.31	0.52
HEFAU On Burnout	HVAC	SF	G	5	0.17	0.07		HE Wall Furnace On Burnout	HVAC	SF	G	14	0.29	0.54	0.30	0.56	0.32	0.59	0.33	0.62
HEFAU On Burnout	HVAC	SF	G	6	0.16	0.07		HE Wall Furnace On Burnout	HVAC	SF	G	15	0.20	0.17	0.21	0.18	0.22	0.19	0.23	0.20
HEFAU On Burnout	HVAC	SF	G	8	0.14	0.03		HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.67	0.32	0.70	0.33	0.74	0.35	0.78
HEFAU On Burnout	HVAC	SF	G	9	0.16	0.06														
HEFAU On Burnout	HVAC	SF	G	10	0.16	0.07														
HEFAU On Burnout	HVAC	SF	G	13	0.17	0.08														
HEFAU On Burnout	HVAC	SF	G	14	0.18	0.10														
HEFAU On Burnout	HVAC	SF	G	15	0.15	0.04														
HEFAU On Burnout	HVAC	SF	G	16	0.17	0.07														
HE Wall Furnace Early Replace	HVAC	MF	G	5	0.32	0.70														
HE Wall Furnace Early Replace	HVAC	MF	G	6	0.29	0.49														
HE Wall Furnace Early Replace	HVAC	MF	G	8	0.26	0.34														
HE Wall Furnace Early Replace	HVAC	MF	G	9	0.28	0.44														
HE Wall Furnace Early Replace	HVAC	MF	G	10	0.27	0.40														
HE Wall Furnace Early Replace	HVAC	SF	G	4	0.29	0.52														
HE Wall Furnace Early Replace	HVAC	SF	G	5	0.31	0.64														
HE Wall Furnace Early Replace	HVAC	SF	G	6	0.27	0.38														
HE Wall Furnace Early Replace	HVAC	SF	G	8	0.23	0.25														
HE Wall Furnace Early Replace	HVAC	SF	G	9	0.26	0.36														
HE Wall Furnace Early Replace	HVAC	SF	G	10	0.26	0.36														
HE Wall Furnace Early Replace	HVAC	SF	G	13	0.30	0.54														
HE Wall Furnace Early Replace	HVAC	SF	G	14	0.31	0.65														
HE Wall Furnace Early Replace	HVAC	SF	G	15	0.22	0.21														
HE Wall Furnace Early Replace	HVAC	SF	G	16	0.33	0.81														
HE Wall Furnace On Burnout	HVAC	MF	G	5	0.30	0.55														
HE Wall Furnace On Burnout	HVAC	MF	G	6	0.27	0.38														
HE Wall Furnace On Burnout	HVAC	MF	G	8	0.24	0.27														
HE Wall Furnace On Burnout	HVAC	MF	G	9	0.26	0.34														
HE Wall Furnace On Burnout	HVAC	MF	G	10	0.25	0.31														
HE Wall Furnace On Burnout	HVAC	SF	G	4	0.27	0.41														
HE Wall Furnace On Burnout	HVAC	SF	G	5	0.29	0.50														
HE Wall Furnace On Burnout	HVAC	SF	G	6	0.25	0.30														
HE Wall Furnace On Burnout	HVAC	SF	G	8	0.22	0.19														
HE Wall Furnace On Burnout	HVAC	SF	G	9	0.24	0.28														
HE Wall Furnace On Burnout	HVAC	SF	G	10	0.24	0.28														
HE Wall Furnace On Burnout	HVAC	SF	G	13	0.28	0.43														
HE Wall Furnace On Burnout	HVAC	SF	G	14	0.29	0.51														
HE Wall Furnace On Burnout	HVAC	SF	G	15	0.21	0.16														
HE Wall Furnace On Burnout	HVAC	SF	G	16	0.31	0.64														

[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.

Joint IOU Compliance Filing Advice Letter

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 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.

Pacific Gas and Electric 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 Single Family and Mobile Homes - Installations [3]	Measure Group	Type of Home (SF, MH)	Electric or Gas (E,G)	2023		2024		2025		2026	
				ESACET	Resource Test [2]					ESACET	Resource Test [2]	ESACET	Resource Test [2]	ESACET	Resource Test [2]	ESACET	Resource Test [2]
High Efficiency Clothes Washers	Appliance	SF, MH	E	2.41	0.22	High Efficiency Clothes Washers	Appliance	SF, MH	E	3.11	0.23	3.17	0.24	3.66	0.25	3.37	0.26
High Efficiency Clothes Washers	Appliance	SF, MH	G	2.41	0.22	High Efficiency Clothes Washers	Appliance	SF, MH	G	3.11	0.23	3.17	0.24	3.66	0.25	3.37	0.26
High Efficiency Clothes Washers	Appliance	MF	E	2.41	0.22	High Efficiency Clothes Washers	Appliance	MF	E	-	-	-	-	-	-	-	-
High Efficiency Clothes Washers	Appliance	MF	G	2.41	0.22	High Efficiency Clothes Washers	Appliance	MF	G	-	-	-	-	-	-	-	-
Refrigerators	Appliance	SF, MH	E	1.17	0.85	Refrigerators	Appliance	SF, MH	E	1.22	0.92	1.29	0.98	1.39	1.05	1.44	1.12
Refrigerators	Appliance	SF, MH	G	-	-	Refrigerators	Appliance	SF, MH	G	-	-	-	-	-	-	-	-
Refrigerators	Appliance	MF	E	1.17	0.85	Refrigerators	Appliance	MF	E	-	-	-	-	-	-	-	-
Refrigerators	Appliance	MF	G	-	-	Refrigerators	Appliance	MF	G	-	-	-	-	-	-	-	-
New - Freezer	Appliance	SF, MH	E	-	-	New - Freezer	Appliance	SF, MH	E	1.31	1.00	1.38	1.07	1.50	1.14	1.54	1.22
New - Freezer	Appliance	SF, MH	G	-	-	New - Freezer	Appliance	SF, MH	G	-	-	-	-	-	-	-	-
New - Freezer	Appliance	MF	E	-	-	New - Freezer	Appliance	MF	E	-	-	-	-	-	-	-	-
New - Freezer	Appliance	MF	G	-	-	New - Freezer	Appliance	MF	G	-	-	-	-	-	-	-	-
Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	SF, MH	E	2.76	0.69	Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	SF, MH	E	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	SF, MH	G	2.76	0.69	Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	SF, MH	G	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	MF	E	2.76	0.69	Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	MF	E	-	-	-	-	-	-	-	-
Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	MF	G	2.76	0.69	Low Flow Shower Heads/Faucet Aerators	Domestic Hot Water	MF	G	-	-	-	-	-	-	-	-
Tub Diverter/ Tub Spout	Domestic Hot Water	SF, MH	E	2.60	0.53	Tub Diverter/ Tub Spout	Domestic Hot Water	SF, MH	E	3.34	0.57	3.41	0.60	3.91	0.63	3.64	0.66
Tub Diverter/ Tub Spout	Domestic Hot Water	SF, MH	G	2.60	0.53	Tub Diverter/ Tub Spout	Domestic Hot Water	SF, MH	G	3.34	0.57	3.41	0.60	3.91	0.63	3.64	0.66
Tub Diverter/ Tub Spout	Domestic Hot Water	MF	E	2.60	0.53	Tub Diverter/ Tub Spout	Domestic Hot Water	MF	E	-	-	-	-	-	-	-	-
Tub Diverter/ Tub Spout	Domestic Hot Water	MF	G	2.60	0.53	Tub Diverter/ Tub Spout	Domestic Hot Water	MF	G	-	-	-	-	-	-	-	-
Combined Showerhead/TSV	Domestic Hot Water	SF, MH	E	2.76	0.69	Combined Showerhead/TSV	Domestic Hot Water	SF, MH	E	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Combined Showerhead/TSV	Domestic Hot Water	SF, MH	G	2.76	0.69	Combined Showerhead/TSV	Domestic Hot Water	SF, MH	G	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Combined Showerhead/TSV	Domestic Hot Water	MF	E	2.76	0.69	Combined Showerhead/TSV	Domestic Hot Water	MF	E	-	-	-	-	-	-	-	-
Combined Showerhead/TSV	Domestic Hot Water	MF	G	2.76	0.69	Combined Showerhead/TSV	Domestic Hot Water	MF	G	-	-	-	-	-	-	-	-
Thermostat-controlled Shower Valve	Domestic Hot Water	SF, MH	E	2.76	0.69	Thermostat-controlled Shower Valve	Domestic Hot Water	SF, MH	E	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Thermostat-controlled Shower Valve	Domestic Hot Water	SF, MH	G	2.76	0.69	Thermostat-controlled Shower Valve	Domestic Hot Water	SF, MH	G	3.39	0.62	3.47	0.66	3.97	0.69	3.70	0.73
Thermostat-controlled Shower Valve	Domestic Hot Water	MF	E	2.76	0.69	Thermostat-controlled Shower Valve	Domestic Hot Water	MF	E	-	-	-	-	-	-	-	-
Thermostat-controlled Shower Valve	Domestic Hot Water	MF	G	2.76	0.69	Thermostat-controlled Shower Valve	Domestic Hot Water	MF	G	-	-	-	-	-	-	-	-
Heat Pump Water Heater	Domestic Hot Water	SF, MH	E	0.63	0.50	Heat Pump Water Heater	Domestic Hot Water	SF, MH	E	0.64	0.50	0.68	0.54	0.73	0.58	0.77	0.62
Heat Pump Water Heater	Domestic Hot Water	SF, MH	G	-	-	Heat Pump Water Heater	Domestic Hot Water	SF, MH	G	-	-	-	-	-	-	-	-
Heat Pump Water Heater	Domestic Hot Water	MF	E	0.63	0.50	Heat Pump Water Heater	Domestic Hot Water	MF	E	-	-	-	-	-	-	-	-
Heat Pump Water Heater	Domestic Hot Water	MF	G	-	-	Heat Pump Water Heater	Domestic Hot Water	MF	G	-	-	-	-	-	-	-	-
Water Heater Repair/Replacement	Domestic Hot Water	SF, MH	E	0.16	0.03	Water Heater Repair/Replacement	Domestic Hot Water	SF, MH	E	0.17	0.03	0.17	0.03	0.19	0.03	0.18	0.04
Water Heater Repair/Replacement	Domestic Hot Water	SF, MH	G	0.16	0.03	Water Heater Repair/Replacement	Domestic Hot Water	SF, MH	G	0.17	0.03	0.17	0.03	0.19	0.03	0.18	0.04
Water Heater Repair/Replacement	Domestic Hot Water	MF	E	0.16	0.03	Water Heater Repair/Replacement	Domestic Hot Water	MF	E	-	-	-	-	-	-	-	-
Water Heater Repair/Replacement	Domestic Hot Water	MF	G	0.16	0.03	Water Heater Repair/Replacement	Domestic Hot Water	MF	G	-	-	-	-	-	-	-	-
WH blanket/ WH Pipe Insulation	Domestic Hot Water	SF, MH	E	0.54	0.46	WH blanket/ WH Pipe Insulation	Domestic Hot Water	SF, MH	E	0.53	0.45	0.55	0.48	0.59	0.50	0.60	0.52
WH blanket/ WH Pipe Insulation	Domestic Hot Water	SF, MH	G	0.54	0.46	WH blanket/ WH 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	MF	E	-	-	-	-	-	-	-	-
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	Lighting	SF, MH	E	0.89	0.81	LED A-Lamps	Lighting	SF, MH	E	1.17	1.09	1.26	1.19	1.37	1.28	1.47	1.39
LED A-Lamps	Lighting	MF	E	0.89	0.81	LED A-Lamps	Lighting	MF	E	-	-	-	-	-	-	-	-
LED Reflector Bulb	Lighting	SF, MH	E	1.15	1.07	LED Reflector Bulb	Lighting	SF, MH	E	1.32	1.24	1.43	1.35	1.54	1.46	1.66	1.57
LED Reflector Bulb	Lighting	MF	E	1.15	1.07	LED Reflector Bulb	Lighting	MF	E	-	-	-	-	-	-	-	-
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	Lighting	MF	E	0.19	0.11	Exterior Hard wired LED fixtures	Lighting	MF	E	-	-	-	-	-	-	-	-
New Air Purifier	Miscellaneous	SF, MH	E	0.08	n/a	New Air Purifier	Miscellaneous	SF, MH	E	0.08	n/a	0.08	n/a	0.06	n/a	0.08	n/a
New Air Purifier	Miscellaneous	MF	E	0.08	n/a	New Air Purifier	Miscellaneous	MF	E	-	-	-	-	-	-	-	-
New Cold Storage	Miscellaneous	SF, MH	E	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	MF	E	0.08	n/a	New Cold Storage	Miscellaneous	MF	E	-	-	-	-	-	-	-	-
New Minor Home Repair Plus	Enclosure	SF, MH	E	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	0.25	n/a	0.32	n/a
New Minor Home Repair Plus	Enclosure	MF	E	0.33	n/a	New Minor Home Repair Plus	Enclosure	MF	E	-	-	-	-	-	-	-	-
New Minor Home Repair Plus	Enclosure	MF	G	0.33	n/a	New Minor Home Repair Plus	Enclosure	MF	G	-	-	-	-	-	-	-	-
New Pool Pumps Replacement	Miscellaneous	SF, MH	E	0.87	0.79	New Pool Pumps Replacement	Miscellaneous	SF, MH	E	0.62	0.54	0.64	0.56	0.69	0.59	0.71	0.63
New Pool Pumps Replacement	Miscellaneous	MF	E	0.87	0.79	New Pool Pumps Replacement	Miscellaneous	MF	E	-	-	-	-	-	-	-	-
New Tier 2 Adv Power Strip w Bluetooth	Miscellaneous	SF, MH	E	1.41	1.33	New Tier 2 Adv Power Strip w Bluetooth	Miscellaneous	SF, MH	E	1.51	1.43	1.62	1.54	1.74	1.65	1.85	1.77
New Tier 2 Adv Power Strip w Bluetooth	Miscellaneous	MF	E	1.41	1.33	New Tier 2 Adv Power Strip w Bluetooth	Miscellaneous	MF	E	-	-	-	-	-	-	-	-

Joint IOU Compliance Filing Advice Letter

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

Notes:
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-- 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.

San Diego Gas & Electric 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 Single Family and Mobile Homes - Installations [3]	Measure Group	Type of Home (SF, MH)	Electric or Gas (E,G)	2023		2024		2025		2026	
				ESACET	Resource Test [2]					ESACET	Resource Test [2]	ESACET	Resource Test [2]	ESACET	Resource Test [2]	ESACET	Resource Test [2]
High Efficiency Clothes Washer	Appliances	MF	E	0.50	0.15	High Efficiency Clothes Washer	Appliances	MH	E	1.31	0.06	1.42	0.06	1.39	0.06	1.34	0.06
High Efficiency Clothes Washer	Appliances	MH	E	0.55	0.05	High Efficiency Clothes Washer	Appliances	SF	E	1.09	0.24	1.19	0.26	1.16	0.27	1.14	0.28
High Efficiency Clothes Washer	Appliances	SF	E	0.47	0.23	High Efficiency Clothes Washer	Appliances	MH	G	1.10	0.22	1.20	0.22	1.21	0.23	1.18	0.23
High Efficiency Clothes Washer	Appliances	MF	G	0.46	0.28	High Efficiency Clothes Washer	Appliances	SF	G	1.10	0.23	1.20	0.24	1.18	0.24	1.16	0.24
High Efficiency Clothes Washer	Appliances	MH	G	0.48	0.22	Refrigerators	Appliances	MH	E	0.40	1.21	0.42	1.26	0.42	1.32	0.45	1.37
High Efficiency Clothes Washer	Appliances	SF	G	0.47	0.23	Refrigerators	Appliances	SF	E	0.37	0.73	0.38	0.76	0.39	0.80	0.40	0.83
Refrigerators	Appliances	MF	E	0.28	0.81	NEW - High Efficiency Clothes Dryers (Gas)	Appliances	MH	G	0.18	0.04	0.18	0.04	0.17	0.04	0.16	0.05
Refrigerators	Appliances	MH	E	0.29	1.15	NEW - High Efficiency Clothes Dryers (Gas)	Appliances	SF	G	0.18	0.04	0.18	0.04	0.17	0.04	0.16	0.05
Refrigerators	Appliances	SF	E	0.27	0.70	Faucet Aerator Kitchen	Domestic Hot Water	MH	E	0.50	21.75	0.53	22.80	0.54	23.84	0.58	24.81
Faucet Aerator, Kitchen	Domestic Hot Water	MF	E	0.32	21.40	Faucet Aerator Kitchen	Domestic Hot Water	SF	E	0.50	26.06	0.53	27.32	0.54	28.57	0.58	29.73
Faucet Aerator, Kitchen	Domestic Hot Water	MH	E	0.32	21.40	Faucet Aerator Kitchen	Domestic Hot Water	MH	G	0.52	9.89	0.56	10.10	0.56	10.30	0.60	10.45
Faucet Aerator, Kitchen	Domestic Hot Water	SF	E	0.32	25.68	Faucet Aerator Kitchen	Domestic Hot Water	SF	G	0.52	11.85	0.55	12.09	0.56	12.33	0.59	12.52
Faucet Aerator, Kitchen	Domestic Hot Water	MF	G	0.32	10.00	Faucet Aerator Lavatory	Domestic Hot Water	MH	E	0.53	8.84	0.56	9.27	0.57	9.69	0.60	10.08
Faucet Aerator, Kitchen	Domestic Hot Water	MH	G	0.32	10.00	Faucet Aerator Lavatory	Domestic Hot Water	SF	E	0.52	10.59	0.55	11.10	0.56	11.61	0.60	12.08
Faucet Aerator, Kitchen	Domestic Hot Water	SF	G	0.32	11.99	Faucet Aerator Lavatory	Domestic Hot Water	MH	G	0.57	4.03	0.61	4.11	0.62	4.19	0.65	4.26
Faucet Aerator, Lavatory	Domestic Hot Water	MF	E	0.32	8.70	Faucet Aerator Lavatory	Domestic Hot Water	SF	G	0.56	4.81	0.60	4.91	0.60	5.01	0.64	5.09
Faucet Aerator, Lavatory	Domestic Hot Water	MH	E	0.32	8.70	Low Flow Showerhead	Domestic Hot Water	MH	E	0.59	3.23	0.63	3.39	0.63	3.54	0.66	3.68
Faucet Aerator, Lavatory	Domestic Hot Water	SF	E	0.32	10.44	Low Flow Showerhead	Domestic Hot Water	SF	E	0.60	2.93	0.64	3.07	0.64	3.21	0.67	3.34
Faucet Aerator, Lavatory	Domestic Hot Water	MF	G	0.33	4.07	Low Flow Showerhead	Domestic Hot Water	MH	G	0.68	1.47	0.74	1.50	0.74	1.53	0.76	1.55
Faucet Aerator, Lavatory	Domestic Hot Water	MH	G	0.33	4.07	Low Flow Showerhead	Domestic Hot Water	SF	G	0.70	1.33	0.76	1.36	0.76	1.38	0.78	1.41
Faucet Aerator, Lavatory	Domestic Hot Water	SF	G	0.33	4.87	Water Heater Repair/Replacement	Domestic Hot Water	MH	G	0.39	0.44	0.39	0.45	0.38	0.46	0.38	0.47
Low Flow Showerhead	Domestic Hot Water	MF	E	0.33	3.11	Water Heater Repair/Replacement	Domestic Hot Water	SF	G	0.34	0.10	0.32	0.11	0.30	0.11	0.29	0.11
Low Flow Showerhead	Domestic Hot Water	MH	E	0.33	3.11	Tub Diverter W/Shower Valve	Domestic Hot Water	MH	E	0.91	0.42	0.99	0.44	0.98	0.46	0.97	0.48
Low Flow Showerhead	Domestic Hot Water	SF	E	0.33	2.78	Tub Diverter W/Shower Valve	Domestic Hot Water	SF	E	0.93	0.39	1.01	0.41	0.99	0.43	0.98	0.45
Low Flow Showerhead	Domestic Hot Water	MF	G	0.35	1.45	Tub Diverter W/Shower Valve	Domestic Hot Water	MH	G	0.79	0.78	0.86	0.80	0.86	0.81	0.87	0.83
Low Flow Showerhead	Domestic Hot Water	MH	G	0.35	1.45	Tub Diverter W/Shower Valve	Domestic Hot Water	SF	G	0.81	0.70	0.89	0.71	0.88	0.73	0.89	0.74
Low Flow Showerhead	Domestic Hot Water	SF	G	0.35	1.30	Combined Showerhead/TSV	Domestic Hot Water	MH	E	0.65	1.87	0.70	1.96	0.70	2.04	0.72	2.13
Water Heater Repair/Replacement	Domestic Hot Water	MF	G	0.31	0.40	Combined Showerhead/TSV	Domestic Hot Water	SF	E	0.67	1.67	0.72	1.75	0.71	1.83	0.73	1.91
Water Heater Repair/Replacement	Domestic Hot Water	MH	G	0.31	0.43	Combined Showerhead/TSV	Domestic Hot Water	MH	G	0.78	0.85	0.85	0.87	0.84	0.88	0.85	0.90
Water Heater Repair/Replacement	Domestic Hot Water	SF	G	0.31	0.10	Combined Showerhead/TSV	Domestic Hot Water	SF	G	0.80	0.76	0.87	0.78	0.86	0.79	0.87	0.80
Tub Diverter W/Shower Valve	Domestic Hot Water	MF	E	0.40	0.40	Heat Pump Water Heater (electric)	Domestic Hot Water	SF	E	0.39	0.74	0.40	0.78	0.40	0.81	0.42	0.85
Tub Diverter W/Shower Valve	Domestic Hot Water	MH	E	0.40	0.40	LED PAR Lamps	Lighting	MH	E	0.17	0.24	0.18	0.25	0.18	0.27	0.19	0.28
Tub Diverter W/Shower Valve	Domestic Hot Water	SF	E	0.40	0.37	LED PAR Lamps	Lighting	SF	E	0.17	0.24	0.18	0.25	0.18	0.27	0.19	0.28
Tub Diverter W/Shower Valve	Domestic Hot Water	MF	G	0.37	0.76	Pool Pump	Miscellaneous	SF	E	0.29	0.55	0.30	0.58	0.31	0.60	0.32	0.62
Tub Diverter W/Shower Valve	Domestic Hot Water	MH	G	0.37	0.76	Smart Strip	Miscellaneous	MH	E	0.41	2.26	0.44	2.42	0.44	2.55	0.47	2.66
Tub Diverter W/Shower Valve	Domestic Hot Water	SF	G	0.37	0.68	Smart Strip	Miscellaneous	SF	E	0.41	2.26	0.44	2.42	0.44	2.55	0.47	2.66
Combined Showerhead/TSV	Domestic Hot Water	MF	E	0.34	1.79	Smart Strip Tier II	Miscellaneous	MH	E	0.37	1.25	0.39	1.33	0.40	1.41	0.42	1.47
Combined Showerhead/TSV	Domestic Hot Water	MH	E	0.34	1.79	Smart Strip Tier II	Miscellaneous	SF	E	0.37	1.25	0.39	1.33	0.40	1.41	0.42	1.47
Combined Showerhead/TSV	Domestic Hot Water	SF	E	0.35	1.60	Thermostatic Shower Valves	Domestic Hot Water	MH	E	0.73	1.17	0.79	1.22	0.78	1.28	0.80	1.33
Combined Showerhead/TSV	Domestic Hot Water	MF	G	0.37	0.83	Thermostatic Shower Valves	Domestic Hot Water	SF	E	0.74	1.09	0.80	1.15	0.79	1.20	0.81	1.25
Combined Showerhead/TSV	Domestic Hot Water	MH	G	0.37	0.83	Thermostatic Shower Valves	Domestic Hot Water	MH	G	0.89	0.53	0.97	0.54	0.95	0.55	0.96	0.56
Combined Showerhead/TSV	Domestic Hot Water	SF	G	0.37	0.75	Thermostatic Shower Valves	Domestic Hot Water	SF	G	0.90	0.50	0.98	0.51	0.97	0.52	0.97	0.52
Heat Pump Water Heater (electric)	Domestic Hot Water	SF	E	0.29	0.71	Water Heater Blanket Bundle with Pipe Insulation	Domestic Hot Water	MH	E	0.41	2.22	0.43	2.30	0.44	2.37	0.47	2.44
LED PAR Lamps	Lighting	MF	E	0.14	0.22	Water Heater Blanket Bundle with Pipe Insulation	Domestic Hot Water	MH	G	0.41	2.22	0.43	2.30	0.44	2.37	0.47	2.44
LED PAR Lamps	Lighting	MH	E	0.14	0.22	High Efficiency Clothes Dryer	Appliances	MH	E	0.23	0.10	0.23	0.11	0.23	0.11	0.23	0.12
LED PAR Lamps	Lighting	SF	E	0.14	0.22	High Efficiency Clothes Dryer	Appliances	SF	E	0.24	0.10	0.24	0.11	0.23	0.11	0.23	0.12
LED R/BR	Lighting	MH	E	0.16	0.30												
LED R/BR	Lighting	SF	E	0.16	0.30												
LED A Lamps	Lighting	MF	E	0.16	0.34												
LED A Lamps	Lighting	MH	E	0.16	0.34												
LED A Lamps	Lighting	SF	E	0.16	0.34												
Pool Pump	Miscellaneous	SF	E	0.21	0.53												
Smart Strip	Miscellaneous	MF	E	0.28	2.11												
Smart Strip	Miscellaneous	MH	E	0.28	2.11												
Smart Strip	Miscellaneous	SF	E	0.28	2.11												
Smart Strip Tier II	Miscellaneous	MF	E	0.26	1.16												
Smart Strip Tier II	Miscellaneous	MH	E	0.26	1.16												
Smart Strip Tier II	Miscellaneous	SF	E	0.26	1.16												
Thermostatic Shower Valves	Domestic Hot Water	MF	E	0.36	1.12												
Thermostatic Shower Valves	Domestic Hot Water	MH	E	0.36	1.12												
Thermostatic Shower Valves	Domestic Hot Water	SF	E	0.36	1.05												
Thermostatic Shower Valves	Domestic Hot Water	MF	G	0.38	0.52												
Thermostatic Shower Valves	Domestic Hot Water	MH	G	0.38	0.52												
Thermostatic Shower Valves	Domestic Hot Water	SF	G	0.39	0.49												
Water Heater Blanket Bundle with Pipe Insulation	Domestic Hot Water	MH	E	0.28	2.14												
Water Heater Blanket Bundle with Pipe Insulation	Domestic Hot Water	MH	G	0.28	2.14												

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Southern California Edison 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 Single Family and Mobile Homes - Installations [3]	Measure Group	Type of Home (SF, MH)	Electric or Gas (E,G)	2023		2024		2025		2026	
				ESACET	Resource Test [2]						ESACET	Resource Test [2]	ESACET	Resource Test [2]	ESACET	Resource Test [2]	ESACET	Resource Test [2]
Attic Insulation	Enclosure	MF	E	0.00	n/a		Attic Insulation	Enclosure	SF	E	0.61	0.29	0.52	0.31	0.58	0.33	0.72	0.35
Attic Insulation	Enclosure	SF	E	0.56	0.27		Central AC Replacement	HVAC	MH	E	0.54	0.22	0.54	0.24	0.58	0.25	0.60	0.27
Central AC Replacement	HVAC	MH	E	0.56	0.21		Central AC Replacement	HVAC	SF	E	0.54	0.22	0.54	0.24	0.58	0.25	0.60	0.27
Central AC Replacement	HVAC	MF	E	0.44	0.02		Central AC Tune Up	Maintenance	MH	E	0.48	0.14	0.48	0.17	0.53	0.19	0.55	0.20
Central AC Replacement	HVAC	SF	E	0.56	0.21		Central AC Tune Up	Maintenance	SF	E	0.49	0.14	0.49	0.17	0.53	0.19	0.56	0.20
Central AC Tune Up	Maintenance	MF	E	0.43	n/a		Central HP Replacement	HVAC	MH	E	0.00	0.00	0.42	0.51	0.46	0.55	0.48	0.59
Central AC Tune Up	Maintenance	MH	E	0.51	0.13		Central HP Replacement	HVAC	SF	E	0.71	0.47	0.75	0.51	0.81	0.55	0.76	0.59
Central AC Tune Up	Maintenance	SF	E	0.51	0.13		Electrical Panel Upgrade	Miscellaneous	SF	E	0.02	n/a	0.02	n/a	0.03	n/a	0.05	n/a
Central HP Replacement	HVAC	MH	E	0.00	n/a		Envelope Air Sealing	Enclosure	MH	E	0.70	0.66	0.80	0.71	0.85	0.76	0.85	0.81
Central HP Replacement	HVAC	MF	E	0.43	0.01		Envelope Air Sealing	Enclosure	SF	E	0.70	0.66	0.79	0.71	0.85	0.76	0.86	0.81
Central HP Replacement	HVAC	SF	E	0.67	0.43		Evaporative Cooler Install	HVAC	MH	E	0.89	0.92	1.01	0.99	1.08	1.06	1.02	1.12
Clothes Washer	Appliance	MF	E	0.48	0.16		Evaporative Cooler Install	HVAC	SF	E	0.89	0.92	1.01	0.99	1.08	1.06	1.02	1.12
Dishwasher	Appliance	MF	E	0.41	0.07		Freezer	Appliance	MH	E	0.71	1.11	0.84	1.20	0.92	1.30	0.92	1.38
Electrical Panel Upgrade	Miscellaneous	SF	E	0.05	n/a		Freezer	Appliance	SF	E	0.72	1.11	0.84	1.20	0.93	1.30	0.93	1.38
Envelope Air Sealing	Enclosure	MF	E	0.30	n/a		HP Clothes Dryer Elect	Appliance	SF	E	0.23	0.17	0.25	0.18	0.26	0.20	0.29	0.21
Envelope Air Sealing	Enclosure	MH	E	0.66	0.61		HP Clothes Dryer Gas	Appliance	SF	E	-0.03	n/a	-0.04	n/a	-0.06	n/a	-0.04	n/a
Envelope Air Sealing	Enclosure	SF	E	0.66	0.61		HP Clothes Dryer Propane	Appliance	SF	E	-0.14	n/a	-0.15	n/a	-0.17	n/a	-0.16	n/a
Evaporative Cooler Install	HVAC	MH	E	0.84	0.87		Inductive Range-Electric Range	Appliance	SF	E	0.24	0.01	0.25	0.01	0.24	0.01	0.32	0.02
Evaporative Cooler Install	HVAC	SF	E	0.84	0.87		Inductive Range-Gas Range	Appliance	SF	E	0.17	n/a	0.18	n/a	0.17	n/a	0.24	n/a
Freezer	Appliance	MH	E	0.66	1.03		Inductive Range-Propane Range	Appliance	SF	E	0.14	n/a	0.15	n/a	0.13	n/a	0.24	n/a
Freezer	Appliance	MF	E	0.66	1.03		Inductive Range-Wood Stove	Appliance	SF	E	0.22	n/a	0.23	n/a	0.21	n/a	0.32	n/a
Freezer	Appliance	SF	E	0.66	1.03		LED Exterior Fixture	Lighting	SF	E	0.32	0.33	0.35	0.35	0.38	0.37	0.38	0.40
HP Clothes Dryer Elect	Appliance	SF	E	0.26	0.16		Other Hot Water	Domestic Hot Water	MH	E	0.24	n/a	0.20	n/a	0.19	n/a	0.25	n/a
HP Clothes Dryer Gas	Appliance	SF	E	0.03	n/a		Other Hot Water	Domestic Hot Water	SF	E	0.24	n/a	0.21	n/a	0.20	n/a	0.26	n/a
HP Clothes Dryer Propane	Appliance	SF	E	-0.07	n/a		Pool Pump	Miscellaneous	SF	E	0.60	0.82	0.69	0.89	0.75	0.95	0.76	1.02
Inductive Range-Electric Range	Appliance	SF	E	0.38	0.01		Refrigerator	Appliance	MH	E	0.76	0.96	0.81	1.04	0.89	1.11	0.92	1.19
Inductive Range-Gas Range	Appliance	SF	E	0.32	n/a		Refrigerator	Appliance	SF	E	0.84	0.96	0.94	1.04	1.02	1.11	1.04	1.19
Inductive Range-Propane Range	Appliance	SF	E	0.29	n/a		Room AC Replacement	HVAC	MH	E	0.67	n/a	0.68	n/a	0.40	n/a	0.39	n/a
Inductive Range-Wood Stove	Appliance	SF	E	0.35	n/a		Room AC Replacement	HVAC	SF	E	0.79	n/a	1.34	n/a	0.43	n/a	0.41	n/a
LED Exterior Fixture	Lighting	SF	E	0.30	0.30		Tank and Pipe Insulation	Domestic Hot Water	MH	E	0.27	n/a	0.29	n/a	0.31	n/a	0.30	n/a
LED T8 UL Type A	Lighting	MF	E	0.25	0.24		Tank and Pipe Insulation	Domestic Hot Water	SF	E	0.23	n/a	0.20	n/a	0.19	n/a	0.26	n/a
Other Hot Water	Domestic Hot Water	MH	E	0.24	n/a													
Other Hot Water	Domestic Hot Water	SF	E	0.24	n/a													
Other Hot Water	Domestic Hot Water	MF	E	0.83	1.24													
Pool Pump	Miscellaneous	SF	E	0.55	0.76													
Refrigerator	Appliance	MH	E	0.79	0.89													
Refrigerator	Appliance	MF	E	0.80	0.94													
Refrigerator	Appliance	SF	E	0.79	0.89													
Room AC Replacement	HVAC	MH	E	0.19	n/a													
Room AC Replacement	HVAC	MF	E	0.43	n/a													
Room AC Replacement	HVAC	SF	E	0.19	n/a													
Tank and Pipe Insulation	Domestic Hot Water	MH	E	0.24	n/a													
Tank and Pipe Insulation	Domestic Hot Water	SF	E	0.24	n/a													
Tank and Pipe Insulation	Domestic Hot Water	MF	E	0.75	0.95													

Joint IOU Compliance Filing Advice Letter

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 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.

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 Single Family and Mobile Homes - Installations [3]	Measure Group	Type of Home (SF, MH)	Electric or Gas (E,G)	2023		2024		2025		2026	
				ESACET	Resource Test [2]						ESACET	Resource Test [2]	ESACET	Resource Test [2]	ESACET	Resource Test [2]	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