

Docket No.: A.21-09-001

Exhibit No.: SC-04

Date: May 24, 2022

**Exhibit SC-04:
Cal Advocates Response to Sierra Club Data Request 01**

From: [Chau, Nathan](#)
To: [Matt Vespa](#); xian.li@cpuc.ca.gov; carolyn.chen@cpuc.ca.gov; [Rebecca Barker](#)
Subject: RE: [EXTERNAL] A.21-09-001: Data Request Sierra Club-PAO-01
Date: Friday, May 20, 2022 3:09:32 PM
Attachments: [ATT00001.png](#)
[ATT00002.png](#)
[Copy of CONFIDENTIAL - A2109001 - CalPA DR008 O2 \(1\).xlsx](#)
[CONFIDENTIAL - Commodity Rate Design \(version 1\).xlsx](#)

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Hi Matt,

Here are the attached workpapers applying Cal Advocates' proposed MGCC value.

From: Matt Vespa <mvespa@earthjustice.org>

Sent: Friday, May 20, 2022 2:45 PM

To: Li, Xian Ming "Cindy" <Xian.Li@cpuc.ca.gov>; Chau, Nathan <Nathan.Chau@cpuc.ca.gov>; Chen, Carolyn <Carolyn.Chen@cpuc.ca.gov>; rbarker@earthjustice.org

Subject: [EXTERNAL] A.21-09-001: Data Request Sierra Club-PAO-01

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Cal Advocates –

Per our discussion, please send your workpapers for the commodity rate adjustments in your proposal that is set forth starting on page 23 of your amended direct testimony.

Please also provide workpapers applying this same methodology to the commodity rate design that includes a 10-2 super off-peak period as set forth in SDG&E's response to your 8th data request. For purposes of this analysis, please apply your proposed MGCC of \$53.53/kW-year as described on page 26 of your amended direct testimony.

. Please consider this request Data Request Sierra Club-PAO-01 in this proceeding. Thank you and let me know if you have any questions.

Matt

Matthew Vespa
(he/him)
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San Diego Gas & Electric Company

A.21-09-001

CalPA Data Request #2, Question 2

Date Provided: 10/22/2021

Line No.	Unit	Cal Advocates Proposed TOU Determinants	EPMC Marginal Capacity Rate	EPMC Marginal Energy Rate	Total EPMC Commodity Rate	Volumetric EPMC Cost-Based Rate	EPMC Revenue	Scaled to Current Revenue Requirement	Revenues	
		A	B	C	D = B + C	E	F = A * E	G = E * Scalar	H = A * G	
1										
2	Energy Charges:						70%			
3	Summer On-Peak Demand	\$/kW	\$ 4.74		\$ 4.74		100%			
4	Summer Energy:									
5	On-Peak	\$/kWh		0.12012	0.25416	0.28399		0.34526		
6	Mid-Peak	\$/kWh		0.08076	0.08076	0.08076		0.09818		
7	Off-Peak	\$/kWh	0.02456	0.06165	0.08620	0.06165		0.07495		
8										
9	Winter Energy:									
10	Mid-Peak	\$/kWh		0.12107	0.12107	0.14609		0.17761		
11	Off-Peak	\$/kWh		0.08507	0.08507	0.08507		0.10342		
12	Super Off-Peak	\$/kWh		0.02596	0.02596	0.02596		0.03156		
13										
14							576,394		654,236	
15										
16	Current Effective Residential Commodity Revenue Requirement (June 1, 2021 Effective Rates) ¹							654,236		-
17										
18	Scalar for current effective revenue requirement (goal seek)							1.21573		
19										
20				<i>Differential: Summer On-Peak:Off-Peak</i>		4.6		4.6		
21				<i>Differential: Summer On-Peak: Mid-Peak</i>		3.5		3.5		
22				<i>Differential: Summer Mid-Peak: Off-peak</i>		1.3		1.3		
23										
24				<i>Differential: Winter Mid-Peak:Super Off-Peak</i>		5.6		5.6		
25				<i>Differential: Winter Mid-Peak: Off-Peak</i>		1.7		1.7		
26				<i>Differential: Winer Off-Peak:Super Off-peak</i>		3.3		3.3		
27										
28										

¹ See Advice Letter 3756-E.

Tab Descriptions

Line No.	Tab Name	Tab Description	Line No.
1	Tab Descriptions	Description of Tabs in Workpaper	1
2	Commodity Rate Design	Illustrative Residential Commodity Rate Design for "TOU-DER"	2
3	Total by Rate Component	Breakdown of Total Rate by Component	3
4	Total Rate	Table of Total Rate by TOU Period and Fixed Charge Tier	4

Illustrative Residential Commodity Rate Design for "TOU-ELEC"

Line No.	Unit	Sierra Club Proposed TOU Period Determinants ¹	EPMC Marginal Capacity Rate ¹	EPMC Marginal Energy Rate ¹	Total EPMC Commodity Rate ¹	Volumetric EPMC Cost-Based Rate	EPMC Revenue	Proposed Illustrative Rate - Current Revenue Requirement	Total Revenue	Line No.
		A	B	C	D = B + C	E	F = A * E	G = E * Scalar	H = A * G	
1										1
2										2
3	Energy Charges:									3
4	Summer On-Peak Demand	\$/kW	\$ 4.74		\$ 4.74	70%				4
5	Summer Energy:									5
6	On-Peak	\$/kWh		0.11359	0.11359	0.29331		0.30941		6
7	Off-Peak	\$/kWh	0.13269	0.08114	0.21383	0.08114		0.08559		7
8	Super Off-Peak	\$/kWh		0.05309	0.05309	0.05309		0.05600		8
9	Winter Energy:									9
10	On-Peak	\$/kWh		0.12695	0.12695	0.19005		0.20048		10
11	Off-Peak	\$/kWh		0.08119	0.08119	0.08119		0.08565		11
12	Super Off-Peak	\$/kWh		0.05037	0.05037	0.05037		0.05313		12
13	Total EPMC Revenue						620,201			13
14	Current Effective Residential Commodity Revenue Requirement (June 1, 2021 Effective Rates) ²						654,236		654,236	14
15	Scalar for Current Effective Revenue Requirement							1.05488		15
16	Goal Seek							-		16
17										17
18										18
19										19
20										20
21										21
22										22
23										23
24										24
25										25
26										26
27										27
28										28

¹ "CONFIDENTIAL - A2109001 - CdPA DR008 MC SC TOU.xlsx", EPMC - New TOU Tab

² See Advice Letter 1756-E.

Illustrative Residential Total Rate "TOU-ELEC"

Line No.		Unit			Line No.
1					1
2	<i>Basic Service Fee</i>				2
3	0-4 kW	\$/Month	\$	28.53	3
4	4-8 kW	\$/Month	\$	51.28	4
5	8-10 kW	\$/Month	\$	68.35	5
6	>10 kW	\$/Month	\$	85.41	6
7	Energy Charges:				7
8	<i>Summer Energy:</i>				8
9	On-Peak	\$/kWh		0.43787	9
10	Off-Peak	\$/kWh		0.21406	10
11	Super Off-Peak	\$/kWh		0.18446	11
12	<i>Winter Energy:</i>				12
13	On-Peak	\$/kWh		0.32894	13
14	Off-Peak	\$/kWh		0.21411	14
15	Super Off-Peak	\$/kWh		0.18160	15

	Units	TOU-ELEC Original Proposed TOU Periods A	TOU-ELEC Sierra Club Proposed TOU Periods B	Change (\$) C= B-A
Fixed Customer Charge:				
Tier 1: 0-4 kW	\$/Month	28.53	28.53	0
Tier 2: 4-8 kW	\$/Month	51.28	51.28	0
Tier 3: 8-10 kW	\$/Month	68.35	68.35	0
Tier 4: >10kW	\$/Month	85.41	85.41	0
<i>Summer Energy:</i>				
On-Peak	\$/kWh	0.45211	0.43787	-0.01424
Off-Peak	\$/kWh	0.2201	0.21406	-0.00604
Super Off-Peak	\$/kWh	0.18959	0.18446	-0.00513
<i>Winter Energy:</i>				
On-Peak	\$/kWh	0.2997	0.32894	0.02924
Off-Peak	\$/kWh	0.2118	0.21411	0.00231
Super Off-Peak	\$/kWh	0.18406	0.18160	-0.00246