

NEM Successor Rate - Data Template For Cost-Effectiveness Model



Objective: to gather the elements of NEM Successor Tariff proposals into a standardized format.

Cost-effectiveness modeling will use this template to calculate simple payback period and cost of service.

FILED
08/19/21
04:59 PM

Instructions

Fill out this template to reflect the components of the proposed NEM Successor Tariff.

Space is provided to distinguish between CARE and non-CARE customers and solar vs. solar+storage.

Space is provided to indicate how the proposed tariff may differ for a customer adopting a different technology.

In order for your proposed tariff to be modeled, this template must be filled in at least for one customer type.

If necessary, you may add additional rows or worksheets to this template.

Proposals for a Residential tariff should fill out the "Residential" worksheet.

Proposals for a Small Commercial tariff should fill out the "Small Commercial" worksheet.

Key

[Required Section](#)

[Optional Section](#)

 User Input

 Dropdown Menu

2023 vs. 2030

The proposed tariffs will be modeled for new solar and solar+storage customers in 2023 and new customers in 2030.

If your proposal includes a transitional approach for certain rate components (i.e., a "glide path"), details are only required for 2023.

Where rate components do not include a transitional approach ("glide path"), details are only required for 2030.

Non-rate funds

To support fair comparison of the different proposals, non-rate funds will be excluded from the cost-effectiveness modeling.

Note

This template is exclusively soliciting proposals for a successor tariff. Any proposed measures that are not a successor tariff will not be modeled.

Each proposal will be explored in testimony and will be considered by the Commission regardless of whether it is a successor tariff.



shift for a new customer adopting solar or solar+storage in 2023 and in 2030.

solar+storage systems.

a new system in 2023 vs. 2030.

IOU and preferably for all three IOUs.

new solar and solar+storage customers in 2030.

h"), please describe differences for a new customer in 2023 vs. 2030.

needed for a new customer in 2023.

e cost-effectiveness modeling.

that are not directly related, such as the future treatment of existing NEM 2.0 customers, should not be included in the cost-effectiveness modeling. The decision of whether that proposal undergoes cost-effectiveness modeling.



luded.

Residential

Hourly Import Rate [\$ / kWh]

The \$/kWh rate paid by the customer for net imports on an hourly or subhourly basis.

In this section, describe the import rate for a new solar or solar+storage customer in 2023.

A number of options are provided as well as the option to enter a new rate.

If you propose that a new solar or solar+storage customer could choose from existing TOU rates

If you propose that a new solar or solar+storage customer could choose an "electrification rate

Alternatively, you may choose "Specific Existing Rates" or "New Rates."

Example import rates

Existing TOU Rates (Example)

Existing EV Rates (Example)

IOU Proposed Rates *

Notes:

* See the Joint Utilities proposal, p10

Proposed import rate.

If "Specific Existing Rates," please specify here.

Other Rate

Indicate here

If "New Rates," please specify on the worksheet "New Residential Import Rates."

How would the import rate vary for a low-income customer?

If "Other," please describe.

If the import rate is materially different for a new customer in 2030 (e.g., due to a "glide path"), please

If other detail is needed, please elaborate.

Export Rate for Net Billing [\$ /kWh]

The \$/kWh credit for net exports to the grid. The export rate is assumed to vary by TOU period. Under NEM 2.0, this would be the hourly import rate minus the Non-Bypassable Charges.

Netting Period

What is the netting period for net billing?

If the netting period varies by customer type or by year, please describe.

The export rate may have multiple components and/or step-downs and may vary by customer type. Please fill out the following sections as they relate to your proposed export rate.

Export rate for Non-CARE customers

In this section, describe the export rate for a Non-CARE customer adopting solar or solar+storage in 2030. Indicate any distinction between solar vs. solar+storage customers. If the rate is materially different for a new customer in 2030 (e.g., due to a "glide path"), please elaborate.

The various proposed export rates draw from avoided costs, import rates, and other components. Indicate the components used. Add additional rows or worksheets as needed.

Avoided Costs

Describe which components of avoided costs are used and whether they are locked in or vary by year. Indicate if the avoided costs would be averaged by TOU period. If so, indicate the method used.

Import Rate and NBCs

If the import rate and/or the non-bypassable charges are used in calculating the export rate, describe the components.

Other Components

Describe any other components that are included in the export rate.

Other Detail

If other detail is needed, please elaborate.

Export rate for CARE customers

Do CARE customers have the same export rate as non-CARE customers?

If no, please describe how the export rate for CARE customers would differ from non-CARE customers

Is the eligibility for low-income rates distinct from CARE/FERA enrollment?

System Sizing and Net Surplus Compensation

Under NEM 2.0, if customers produce electricity in excess of their on-site load over the 12-month "Relevant Period", excess generation is not calculated independently for each TOU period.

If the proposal includes a minimum solar system size, what is that size?

Would generation above some threshold be compensated at Net Surplus Compensation instead of

If using Net Surplus Compensation would be used, what is the proposed timeframe for the Relevant Period (Under NEM 2.0 this would be Annual).

For calculating Net Surplus Compensation, would excess generation be calculated separately for each

(Under NEM 2.0 this would be "No").

Hourly Self-Consumption Rate [\$/kWh] (optional)

The \$/kWh rate paid by the customer for consumption of self-generated power on an hourly or subhourly basis. Please leave this section blank if your proposal does not include a charge for self-consumption of customer-generated power.

In this section, describe the rate for a new solar or solar+storage customer in 2023.

If the proposal includes a self-consumption rate, please include the rates for each TOU period for each year.

Hourly Self-Consumption Rate [\$/kWh]	
Summer	Peak
Summer	Part-Peak
Summer	Off-Peak
Winter	Peak
Winter	Part-Peak
Winter	Off-Peak

If materially different for a new customer in 2030, please describe here.

If other detail is needed, please elaborate.

Customer Charge [\$/month] (optional)

A fixed \$/month customer charge that is independent of consumption, demand, or solar system size.

Indicate any distinction for Non-CARE vs. CARE customers and for solar vs. solar+storage customers. If materially different for a new solar or solar+storage customer in 2030, please indicate.

Customer Charge [\$/month]		
2023	Non-CARE	Solar
2023	Non-CARE	Solar+Storage
2023	CARE	Solar
2023	CARE	Solar+Storage
2030	Non-CARE	Solar
2030	Non-CARE	Solar+Storage
2030	CARE	Solar
2030	CARE	Solar+Storage

Leave blank if same as 2023
Leave blank if same as 2023
Leave blank if same as 2023
Leave blank if same as 2023

If other detail is needed, please elaborate.

Minimum Bill (optional)

A fixed \$/month minimum bill.

Indicate any distinction for Non-CARE vs. CARE customers and for solar vs. solar+storage customers.
If materially different for a new solar or solar+storage customer in 2030, please indicate.

Unit for the minimum bill.

If the minimum bill depends on the solar system size, select [\$/kW AC-month] below. Otherwise, lea

[/month]

Leave blank if same as 2023
Leave blank if same as 2023
Leave blank if same as 2023
Leave blank if same as 2023

Minimum Bill [\$/month]		
2023	Non-CARE	Solar
2023	Non-CARE	Solar+Storage
2023	CARE	Solar
2023	CARE	Solar+Storage
2030	Non-CARE	Solar
2030	Non-CARE	Solar+Storage
2030	CARE	Solar
2030	CARE	Solar+Storage

If other detail is needed, please elaborate.

Solar System Charge [\$/kW AC-month] (optional)

A monthly charge based on the size of the customer's solar system.

Indicate any distinction for Non-CARE vs. CARE customers and for solar vs. solar+storage customers.
If materially different for a new solar or solar+storage customer in 2030, please indicate.

Leave blank if same as 2023
Leave blank if same as 2023
Leave blank if same as 2023
Leave blank if same as 2023

Solar System Charge [\$/kW AC-month]		
2023	Non-CARE	Solar
2023	Non-CARE	Solar+Storage
2023	CARE	Solar
2023	CARE	Solar+Storage
2030	Non-CARE	Solar
2030	Non-CARE	Solar+Storage
2030	CARE	Solar
2030	CARE	Solar+Storage

If other detail is needed, please elaborate.

Upfront Incentive [\$ in first year] (optional)

An upfront incentive for new solar or solar+storage customers.

Indicate any distinction for Non-CARE vs. CARE customers and for solar vs. solar+storage customers.
If materially different for a new solar or solar+storage customer in 2030, please indicate.

Leave blank if same as 2023
Leave blank if same as 2023
Leave blank if same as 2023
Leave blank if same as 2023

Upfront Incentive [\$ in first year]		
2023	Non-CARE	Solar
2023	Non-CARE	Solar+Storage
2023	CARE	Solar
2023	CARE	Solar+Storage
2030	Non-CARE	Solar
2030	Non-CARE	Solar+Storage
2030	CARE	Solar
2030	CARE	Solar+Storage

Self-generation Incentive [\$ /kWh of customer generation] (optional)

A self-generation incentive paid as \$ /kWh of customer generation.

Indicate any distinction for Non-CARE vs. CARE customers and for solar vs. solar+storage customers.
If materially different for a new solar or solar+storage customer in 2030, please indicate.

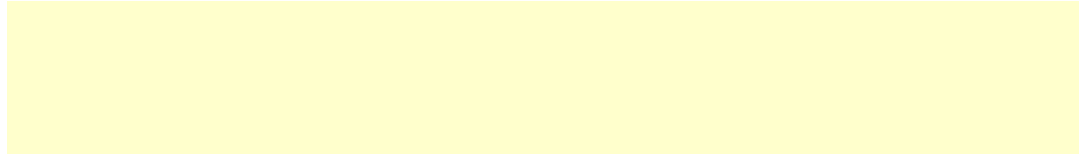
Leave blank if same as 2023
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Self-generation Incentive [\$ /kWh of generation]		
2023	Non-CARE	Solar
2023	Non-CARE	Solar+Storage
2023	CARE	Solar
2023	CARE	Solar+Storage
2030	Non-CARE	Solar
2030	Non-CARE	Solar+Storage
2030	CARE	Solar
2030	CARE	Solar+Storage

If other detail is needed, please elaborate.

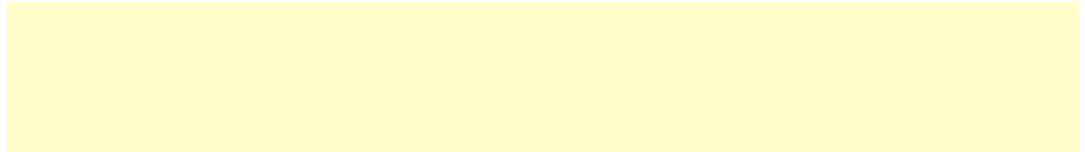
Other key elements (optional)

If any other key elements are required to describe the tariff for a new solar or solar+storage customer in



Transitional Rates: 2030 Phase (optional)

Some proposals include a step-down in rates based on the adoption of customer solar or solar+storage. If your proposal includes phases or tranches based on the growth of customer solar or solar+storage, please

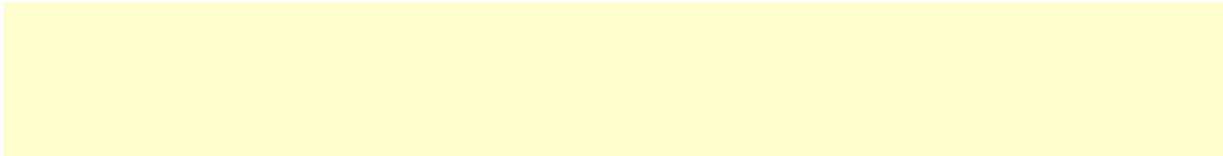




es, please indicate "Any Existing Rate."
e," please choose "Existing EV Rates," "IOU Proposed Rates," or provide new rates.

PG&E	SCE	SDG&E
E-TOU-C	TOU-D	TOU-DR2
EV2	TOU-D-PRIME	EV-TOU-5
E-DER	TOU-D-PRIME	TOU-DER

PG&E	SCE	SDG&E



ase elaborate.



1 2023.

borate.

Fill in these sections if they are relevant to your proposed export rate.

over time.
d to average (e.g., weighted using a representative solar shape).

, explain here.

ers.

period," excess generation is paid at Net Surplus Compensation.

the Export Rate? If yes, what is the threshold?

t Period?

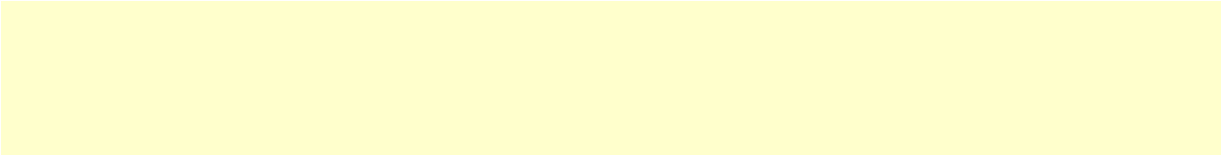
ch TOU period?

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generated power.

ach IOU.

[illegible][illegible]

[illegible]



PG&E	SCE	SDG&E

PG&E	SCE	SDG&E



n 2023 or 2030, please elaborate.

ease indicate the phase or tranche you anticipate each IOU will be in in the year 2030.

New Residential Import Rates

If you selected "New Rates" on the Residential worksheet, please specify the rate

PG&E

Describe Rate

<u>Code</u>			Energy [\$/kWh]
S1	Summer	Peak	
S2	Summer	Part-Peak	
S3	Summer	Off-Peak	
W1	Winter	Peak	
W2	Winter	Part-Peak	
W3	Winter	Off-Peak	

SCE

Describe Rate

<u>Code</u>			Energy [\$/kWh]
S1	Summer	Peak	
S2	Summer	Part-Peak	
S3	Summer	Off-Peak	
W1	Winter	Peak	
W2	Winter	Part-Peak	
W3	Winter	Off-Peak	

SDG&E

Describe Rate

<u>Code</u>	Energy [\$/kWh]	
S1	Summer	Peak
S2	Summer	Part-Peak
S3	Summer	Off-Peak
W1	Winter	Peak
W2	Winter	Part-Peak
W3	Winter	Off-Peak



es and TOU periods for each IOU.

Identify TOU periods using the dropdown menus in

Demand [\$/kW-mo]	Notes

	Weekday									
	0	1	2	3	4	5	6	7	8	
Jan										
Feb										
Mar										
Apr										
May										
Jun										
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										



Identify TOU periods using the dropdown menus in

Demand [\$/kW-mo]	Notes

	Weekday									
	0	1	2	3	4	5	6	7	8	
Jan										
Feb										
Mar										
Apr										
May										
Jun										
Jul										
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Sep										
Oct										
Nov										
Dec										



Identify TOU periods using the dropdown menus in

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[illegible]



10	11	12	13	14	15	16	17	18	19	20	21	22	23



10	11	12	13	14	15	16	17	18	19	20	21	22	23



[illegible]

Small Commercial

Only fill out this worksheet if you would like to have your proposal modeled for a small commercial customer.

Maintain NEM 2.0

Do you propose maintaining NEM 2.0 for small commercial customers?

Please elaborate as needed.

If you propose some other treatment for small commercial customers, please fill out the rest of this worksheet.

Hourly Import Rate [\$ / kWh]

The \$/kWh rate paid by the customer for net imports on an hourly or subhourly basis.

In this section, describe the import rate for a new solar or solar+storage customer in 2023.

If you propose that a new solar or solar+storage customer could choose from existing TOU rates, please specify. Alternatively, you may choose "Specific Existing Rates" or "New Rates."

Proposed import rate.

If "Specific Existing Rates," please specify here.

Other Rate
Indicate here

If "New Rates," please specify on the worksheet "New Small Comm Import Rates."

If the rate is materially different for a new customer in 2030 (e.g., due to a "glide path"), please elaborate.

If other detail is needed, please elaborate.

Export Rate for Net Billing [\$/kWh]

The \$/kWh credit for net exports to the grid. The export rate is assumed to vary by TOU period.

Under NEM 2.0, this would be the hourly import rate minus the Non-Bypassable Charges.

Netting Period

What is the netting period for net billing?

If the netting period varies by customer type or by year, please describe.

The export rate may have multiple components and/or step-downs and may vary by customer type. Please fill out the following sections as they relate to your proposed export rate.

Export rate

In this section, describe the export rate for a customer adopting solar or solar+storage in 2023.

Indicate any [distinction between solar vs. solar+storage customers](#).

If the rate is materially different for a new customer in 2030 (e.g., due to a "glide path"), please elaborate.

The various proposed export rates draw from avoided costs, import rates, and other components. Indicate the components used. Add additional rows or worksheets as needed.

Avoided Costs

Describe which components of avoided costs are used and whether they are locked in or vary by TOU period.

Indicate if the avoided costs would be averaged by TOU period. If so, indicate the method used.

Import Rate and NBCs

If the import rate and/or the non-bypassable charges are used in calculating the export rate, describe the components.

Other Components

Describe any other components that are included in the export rate.

Other Detail

If other detail is needed, please elaborate.

System Sizing and Net Surplus Compensation

Under NEM 2.0, if customers produce electricity in excess of their on-site load over the 12-month "Relevant F
Under NEM 2.0, excess generation is not calculated independently for each TOU period.

If the proposal includes a minimum solar system size, what is that size?

Would generation above some threshold be compensated at Net Surplus Compensation instead of

If using Net Surplus Compensation would be used, what is the proposed timeframe for the Relevant
(Under NEM 2.0 this would be Annual).

For calculating Net Surplus Compensation, would excess generation be calculated separately for ea
(Under NEM 2.0 this would be "No").

Hourly Self-Consumption Rate [\$ /kWh] (optional)

The \$ /kWh rate paid by the customer for consumption of self-generated power on an hourly or subhourly ba
Please leave this section blank if your proposal does not include a charge for self-consumption of customer-

In this section, describe the rate for a new solar or solar+storage customer in 2023.

If the proposal includes a self-consumption rate, please include the rates for each TOU period for e

Hourly Self-Consumption Rate [\$ /kWh]	
Summer	Peak
Summer	Part-Peak
Summer	Off-Peak
Winter	Peak
Winter	Part-Peak
Winter	Off-Peak

If materially different for a new customer in 2030, please describe here.

If other detail is needed, please elaborate.

Customer Charge [\$ /month] (optional)

A fixed \$ /month customer charge that is independent of consumption, demand, or solar system size.

Indicate any distinction for solar vs. solar+storage customers.

If materially different for a new solar or solar+storage customer in 2030, please indicate.

Leave blank if same as 2023

Leave blank if same as 2023

Customer Charge [\$ /month]	
2023	Solar
2023	Solar+Storage
2030	Solar
2030	Solar+Storage

If other detail is needed, please elaborate.

Minimum Bill (optional)

A fixed \$ /month minimum bill.

Indicate any distinction for solar vs. solar+storage customers.

If materially different for a new solar or solar+storage customer in 2030, please indicate.

Unit for the minimum bill.

If the minimum bill depends on the solar system size, select [\$ /kW AC-month] below. Otherwise, lea

[\$ /month]

Leave blank if same as 2023

Leave blank if same as 2023

Minimum Bill [\$ /month]	
2023	Solar
2023	Solar+Storage
2030	Solar
2030	Solar+Storage

If other detail is needed, please elaborate.

Solar System Charge [\$ /kW AC-month] (optional)

A monthly charge based on the size of the customer's solar system.

Indicate any distinction for solar vs. solar+storage customers.
If materially different for a new solar or solar+storage customer in 2030, please indicate.

Leave blank if same as 2023
Leave blank if same as 2023

Solar System Charge [\$ /kW AC-month]	
2023	Solar
2023	Solar+Storage
2030	Solar
2030	Solar+Storage

If other detail is needed, please elaborate.

Upfront Incentive [\$ in first year] (optional)

An upfront incentive for new solar or solar+storage customers.

Indicate any distinction for solar vs. solar+storage customers.
If materially different for a new solar or solar+storage customer in 2030, please indicate.

Leave blank if same as 2023
Leave blank if same as 2023

Upfront Incentive [\$ in first year]	
2023	Solar
2023	Solar+Storage
2030	Solar
2030	Solar+Storage

Self-generation Incentive [\$ /kWh of customer generation] (optional)

A self-generation incentive paid as \$ /kWh of customer generation.

Indicate any distinction for solar vs. solar+storage customers.
If materially different for a new solar or solar+storage customer in 2030, please indicate.

Leave blank if same as 2023
Leave blank if same as 2023

Self-generation Incentive [\$ /kWh of generation]	
2023	Solar
2023	Solar+Storage
2030	Solar
2030	Solar+Storage

If other detail is needed, please elaborate.

Other key elements (optional)

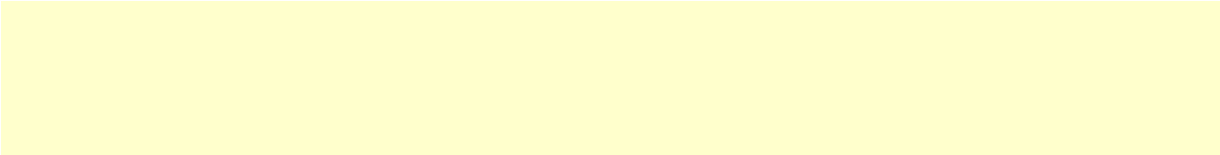
If any other key elements are required to describe the tariff for a new solar or solar+storage customer in

Transitional Rates: 2030 Phase (optional)

Some proposals include a step-down in rates based on the adoption of customer solar or solar+storage. If your proposal includes phases or tranches based on the growth of customer solar or solar+storage, pl



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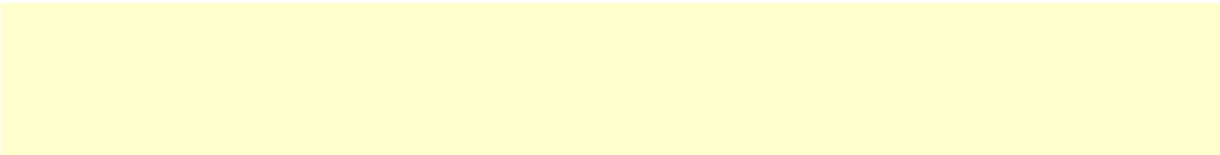
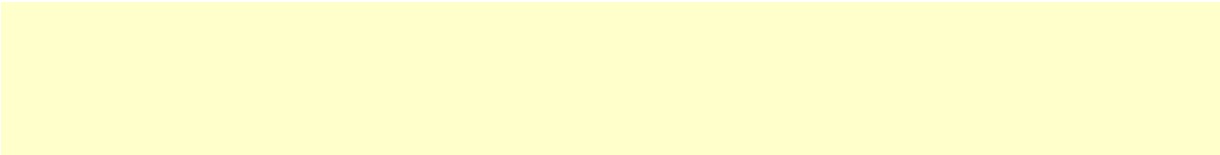


rksheet.

lease indicate "Any Existing Rate."

PG&E	SCE	SDG&E

borate.



borate.

Fill in these sections if they are relevant to your proposed export rate.

over time.
d to average (e.g., weighted using a representative solar shape).

, explain here.

ch TOU period?

s/s.
generated power.

[illegible]

PG&E	SCE	SDG&E

ive as *[\$/month]*.

PG&E	SCE	SDG&E



PG&E	SCE	SDG&E



PG&E	SCE	SDG&E

PG&E	SCE	SDG&E

n 2023 or 2030, please elaborate.

ease indicate the phase or tranche you anticipate each IOU will be in in the year 2030.

New Small Commercial Import Rates

If you selected "New Rates" on the Small Commercial worksheet, please specify

PG&E

Describe Rate

<u>Code</u>			Energy [\$/kWh]
S1	Summer	Peak	
S2	Summer	Part-Peak	
S3	Summer	Off-Peak	
W1	Winter	Peak	
W2	Winter	Part-Peak	
W3	Winter	Off-Peak	

SCE

Describe Rate

<u>Code</u>			Energy [\$/kWh]
S1	Summer	Peak	
S2	Summer	Part-Peak	
S3	Summer	Off-Peak	
W1	Winter	Peak	
W2	Winter	Part-Peak	
W3	Winter	Off-Peak	

SDG&E

Describe Rate

<u>Code</u>	Energy [\$/kWh]	
S1	Summer	Peak
S2	Summer	Part-Peak
S3	Summer	Off-Peak
W1	Winter	Peak
W2	Winter	Part-Peak
W3	Winter	Off-Peak



the rates and TOU periods for each IOU.

Identify TOU periods using the dropdown menus in

Demand [\$ /kW-mo]	Notes

	Weekday									
	0	1	2	3	4	5	6	7	8	
Jan										
Feb										
Mar										
Apr										
May										
Jun										
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										



Identify TOU periods using the dropdown menus in

Demand [\$ /kW-mo]	Notes

	Weekday									
	0	1	2	3	4	5	6	7	8	
Jan										
Feb										
Mar										
Apr										
May										
Jun										
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										



Identify TOU periods using the dropdown menus in

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this table. Hour 0 corresponds to midnight to 1 AM.

[illegible]



10	11	12	13	14	15	16	17	18	19	20	21	22	23



10	11	12	13	14	15	16	17	18	19	20	21	22	23



[illegible]

Lists for drop down menus - DO NOT EDIT

<u>T/F</u>	<u>Residential Import Rate</u>	<u>Small Comm Import Rate</u>	<u>TOU Periods</u>
1	Any Existing Rate	Any Existing Rate	S1
0	Existing EV Rates	Specific Existing Rates	S2
	IOU Proposed Rates	New Rates	S3
	Specific Existing Rates		W1
	New Rates		W2
			W3

<u>Low-Income Import Rate</u>	<u>Netting Period</u>	<u>Relevant Period</u>	<u>T/F/NA</u>	<u>Yes/No</u>
CARE Discount	Instantaneous	Monthly		1 Yes
Other	Subhourly	Annual		0 No
	Hourly	N/A	N/A	N/A
	Daily (by TOU period)			
	Monthly (by TOU period)			
	Varies (see below)			



Minimum Bill Unit
[\$ /month]
[\$ /kW AC-month]