

1 Q. **Reference: Application, Volume I, Section 6.7.5 Island Industrial Customer Rate Impacts, Table**
2 **6-9 Customer Rate Impacts.**

3 Please provide versions of Table 6-9, showing monthly billings at existing rates and proposed
4 rates, including riders, for customers with the following billing determinants and for all scenarios
5 please assume the energy purchases are distributed evenly throughout the year (i.e. flat load
6 profile):

7 a) A customer who uses 70,000 MWh each year with a power on order of 10 MW
8 (approximately 80% load factor)

9 b) A customer who uses 70,000 MWh each year with a power on order of 9 MW
10 (approximately 89% load factor)

11 c) A customer who uses 70,000 MWh each year with a power on order of 11 MW
12 (approximately 73% load factor)

13 d) A customer who uses 61,000 MWh each year with a power on order of 10 MW
14 (approximately 70% load factor)

15 e) A customer who uses 61,000 MWh each year with a power on order of 9 MW
16 (approximately 63% load factor)

17 f) A customer who uses 61,000 MWh each year with a power on order of 11 MW
18 (approximately 77% load factor)

19 Please provide all calculations in electronic form, with live calculations.

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22 *This response has been provided by CA Energy Consulting:*

23 A. Table 6-9 provides a comparison of existing and proposed rates for the Island Industrial
24 customers on an annual, rather than monthly basis.

Table 1 presents, for each scenario, the annual billings for existing rates (row “Cur. Rate, Prices”); the current rate structure with prices updated to reflect the proposed revenue requirement (row “Cur. Rate, New RR”), assuming an updated demand rate of \$12 per kW and energy price of \$0.04769 per kWh; the proposed rate structure (row “New Rate”); and the impact between the proposed rate and the current existing rate at updated prices (rows “Impact” and “Impact Pct”). These comparisons illustrate the annual bill impacts associated with the proposed rate design relative to the current rate structure at the proposed revenue requirement level.

Table 1: Annual Billings for Existing Rates

	a	b	b	d	e	f
PO (MW)	10	9	11	10	9	11
Usage (MWh)	70,000	70,000	70,000	61,000	61,000	61,000
Cur. Rate, Prices (\$)	4,495,200	4,366,440	4,623,960	4,096,680	3,967,920	4,225,440
Cur. Rate, New RR (\$)	4,886,493	4,742,493	5,030,493	4,457,258	4,313,258	4,601,258
New Rate (\$)	4,926,188	4,804,340	5,048,037	4,463,369	4,341,521	4,585,217
Impact (\$)	39,696	61,848	17,544	6,111	28,263	(16,041)
Impact Pct.	0.8%	1.3%	0.3%	0.1%	0.7%	-0.3%