

ISLAND ENERGY Rate Design for FY 2023/2024

	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Proposed FY 2023-2024	
Electricity Load & Procurement Cost Forecasts														
Electricity Sales Forecasts by Sectors (MWH)														
General Residential RES-1	166	193	216	179	205	238	238	212	220	200	200	190	2,458	
High Residential RES-2	11	11	11	11	11	11	11	11	11	11	11	11	132	
General Commercial CES-1	1,411	1,519	1,489	1,489	1,535	1,486	1,512	1,449	1,547	1,479	1,497	1,524	17,937	
Large Commercial CES-2	425	287	529	580	767	1,038	1,010	711	1,302	900	337	330	8,217	
Street Lights SL	27	27	27	27	27	27	27	27	27	27	27	27	324	
Electric Sales Forecasts:	2,040	2,037	2,271	2,287	2,546	2,800	2,798	2,410	3,107	2,617	2,072	2,082	29,067	
System Loss Factor	12%													
Total Electricity Purchase Forecast (MWh):	2,285	2,281	2,544	2,561	2,851	3,136	3,134	2,700	3,480	2,931	2,321	2,332	32,555	
Electric Portfolio-Base Resource, Solar & Custom Product (MWH)														
Base Resource Percentage Forecasts (%)	62%	52%	43%	26%	14%	5%	1%	3%	26%	26%	15%	53%	25%	
Base Resource Forecasts	1,419	1,186	1,097	666	396	157	40	69	912	772	342	1,237	8,293	
Customer-Owned Solar Generation Buy Back	41	66	89	120	142	137	141	128	90	73	54	32	1,112	
Custom Product Market Purchase	826	1,030	1,357	1,776	2,313	2,843	2,953	2,502	2,478	2,086	1,924	1,063	23,150	
Total Electricity Purchase Forecast (MWh):	2,285	2,281	2,544	2,561	2,851	3,136	3,134	2,700	3,480	2,931	2,321	2,332	32,555	
ELECTRICITY PROCUREMENT COSTS														
Base Resource (BR) Purchase from the Central Valley Project														
Base Resource Allocation Monthly Charge	\$ 33,000	\$ 33,000	\$ 33,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 33,000	\$ 33,000	\$ 33,000	\$ 258,000	
Central Valley Project Restoration Charge	\$ 6,000	\$ 6,000	\$ 6,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 54,000	
Total Costs for Base Resource:	\$ 39,000	\$ 39,000	\$ 39,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 39,000	\$ 39,000	\$ 39,000	\$ 312,000	
Base Resource Unit Cost (\$/MWh):	\$ 27.49	\$ 32.89	\$ 35.55	\$ 19.51	\$ 32.80	\$ -	\$ -	\$ 188.00	\$ 14.25	\$ 50.52	\$ 114.03	\$ 31.52	\$ 37.62033	
Custom Product Purchase (CP) from CA Energy Market														
Custom Product Percentage Forecasts (%)	36%	45%	53%	69%	81%	91%	94%	93%	71%	71%	83%	46%	71%	
Custom Product Market Price Forecasts (\$/KWH)	\$ 89.95	\$ 95.89	\$ 106.30	\$ 112.80	\$ 118.00	\$ 158.62	\$ 171.83	\$ 165.30	\$ 131.05	\$ 128.80	\$ 98.32	\$ 92.09		
Energy Market Purchase Cost	\$ 74,257	\$ 98,736	\$ 144,288	\$ 200,286	\$ 272,918	\$ 450,972	\$ 507,371	\$ 413,604	\$ 324,704	\$ 268,656	\$ 189,191	\$ 97,896	\$ 3,042,878	
WAPA Portfolio Management Fee	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 30,600	
Total Costs for Custom Product Purchase:	\$ 76,807	\$ 101,286	\$ 146,838	\$ 202,836	\$ 275,468	\$ 453,522	\$ 509,921	\$ 416,154	\$ 327,254	\$ 271,206	\$ 191,741	\$ 100,446	\$ 3,073,478	
Custom Product Unit Price (\$/MWh):	\$ 33.61	\$ 98.37	\$ 108.18	\$ 114.24	\$ 119.10	\$ 159.52	\$ 172.69	\$ 166.32	\$ 132.08	\$ 130.02	\$ 99.65	\$ 94.49	\$ 132.76452	
CAISO TAC & PACI Charges, WAPA SC & Full Load Services Charge														
CAISO TAC & WFLS Charges (\$/MWh)	\$ 25.00	\$ 56,105	\$ 55,388	\$ 61,361	\$ 61,047	\$ 67,730	\$ 74,993	\$ 74,816	\$ 64,282	\$ 84,751	\$ 71,447	\$ 56,656	\$ 57,506	\$ 786,081
WAPA Portfolio Management Fee (Monthly)	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 2,550	\$ 30,600	
Annual WREGIS Fee and RECs Tracking for Base Resource	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 1,800	
Renewable Portfolio Purchase	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500	\$ 150,000	
Resource Adequacy Purchase (\$/Mwh)	\$ 4.50	\$ 10,099	\$ 9,970	\$ 11,045	\$ 10,988	\$ 12,191	\$ 13,499	\$ 13,467	\$ 11,571	\$ 15,255	\$ 12,860	\$ 10,198	\$ 141,495	
Total Costs WAPA/CAISO Misc Charges:	\$ 81,404	\$ 80,558	\$ 87,606	\$ 87,235	\$ 95,121	\$ 103,691	\$ 103,482	\$ 91,053	\$ 115,206	\$ 99,507	\$ 82,054	\$ 83,057	\$ 1,109,975	
Customer-Owned Solar Generation Buy Back	\$ 60.20	\$ 2,455	\$ 3,949	\$ 5,375	\$ 7,194	\$ 8,538	\$ 8,218	\$ 8,499	\$ 7,726	\$ 5,416	\$ 4,401	\$ 3,270	\$ 1,916	\$ 66,958

Total Electricity Purchase Costs:		\$ 199,666	\$ 224,793	\$ 278,818	\$ 310,265	\$ 392,127	\$ 578,432	\$ 634,902	\$ 527,934	\$ 460,876	\$ 414,114	\$ 316,065	\$ 224,420	\$ 4,562,411
Wholesale Electricity Unit Price (\$/Mwh):		\$ 87.38	\$ 98.54	\$ 109.61	\$ 121.13	\$ 137.54	\$ 184.44	\$ 202.60	\$ 195.56	\$ 132.44	\$ 141.29	\$ 136.20	\$ 96.23	\$ 140.14259
Island Energy Operating Expense Forecast														
Administrative & General Overhead														
Salary & Benefits		\$ 80,355	\$ 80,355	\$ 80,355	\$ 80,355	\$ 80,355	\$ 80,355	\$ 80,355	\$ 80,355	\$ 80,355	\$ 80,355	\$ 80,355	\$ 80,355	\$ 964,256
Operating Expenses-Others		\$ 100,249	\$ 100,249	\$ 100,249	\$ 100,249	\$ 100,249	\$ 100,249	\$ 100,249	\$ 100,249	\$ 100,249	\$ 100,249	\$ 100,249	\$ 100,249	\$ 1,202,991
		\$ 180,604	\$ 180,604	\$ 180,604	\$ 180,604	\$ 180,604	\$ 180,604	\$ 180,604	\$ 180,604	\$ 180,604	\$ 180,604	\$ 180,604	\$ 180,604	\$ 2,167,247
Electrical Department														
Salary & Benefits		\$ 94,376	\$ 94,376	\$ 94,376	\$ 94,376	\$ 94,376	\$ 94,376	\$ 94,376	\$ 94,376	\$ 94,376	\$ 94,376	\$ 94,376	\$ 94,376	\$ 1,132,507
Operating Expense-Others		\$ 18,375	\$ 18,375	\$ 18,375	\$ 18,375	\$ 18,375	\$ 18,375	\$ 18,375	\$ 18,375	\$ 18,375	\$ 18,375	\$ 18,375	\$ 18,375	\$ 220,500
FY 22-23 Operating Expense Forecasts		\$ 112,751	\$ 112,751	\$ 112,751	\$ 112,751	\$ 112,751	\$ 112,751	\$ 112,751	\$ 112,751	\$ 112,751	\$ 112,751	\$ 112,751	\$ 112,751	\$ 1,353,007
Electrical Capital Project Investment		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 300,000
FY 23-24 IE Operational Expense Forecasts		\$ 518,021	\$ 543,147	\$ 597,173	\$ 628,619	\$ 710,481	\$ 896,787	\$ 953,256	\$ 846,288	\$ 779,230	\$ 732,468	\$ 634,420	\$ 542,774	\$ 8,382,665
Utility Revenue Forecast														
Revenue From Electricity Sales														
RS-1 - Residential Regular (\$/MWH)	\$ 256.59	\$ 42,634	\$ 49,647	\$ 55,322	\$ 46,014	\$ 52,645	\$ 61,160	\$ 60,972	\$ 54,361	\$ 56,577	\$ 51,318	\$ 51,318	\$ 48,752	\$ 630,721
RS-2 - Residential High Users (\$/MWH)	\$ 495.63	\$ 5,452	\$ 5,452	\$ 5,452	\$ 5,452	\$ 5,452	\$ 5,452	\$ 5,452	\$ 5,452	\$ 5,452	\$ 5,452	\$ 5,452	\$ 5,452	\$ 65,423
CES-1 - General Commercial (\$/MWH)	\$ 294.99	\$ 416,177	\$ 447,952	\$ 439,172	\$ 439,362	\$ 452,922	\$ 438,322	\$ 446,094	\$ 427,562	\$ 456,304	\$ 436,214	\$ 441,464	\$ 449,627	\$ 5,291,170
CES-2 - Large Commercial (\$/MWH)	\$ 275.95	\$ 117,336	\$ 79,116	\$ 145,924	\$ 160,109	\$ 211,657	\$ 286,429	\$ 278,763	\$ 196,236	\$ 359,237	\$ 248,414	\$ 93,107	\$ 91,065	\$ 2,267,393
Streetlights (\$/MWH)	\$ 212.99	\$ 5,751	\$ 5,751	\$ 5,751	\$ 5,751	\$ 5,751	\$ 5,751	\$ 5,751	\$ 5,751	\$ 5,751	\$ 5,751	\$ 5,751	\$ 5,751	\$ 69,010
		\$ 587,349	\$ 587,918	\$ 651,622	\$ 656,687	\$ 728,427	\$ 797,114	\$ 797,032	\$ 689,362	\$ 883,321	\$ 747,148	\$ 597,092	\$ 600,647	\$ 8,323,717
Meter Services Fee and Facility Charge (Per Meter Per Day)														
	Days/Month:	31	31	30	31	30	31	30	29	31	30	31	30	365
	Number of Electric Accounts													
	Res.	380	380	380	380	380	380	380	380	380	380	380	380	380
	Comm.	252	252	252	252	252	252	252	252	252	252	252	252	252
	Large Comm.	1	1	1	1	1	1	1	1	1	1	1	1	1
Residential Account (\$/Meter/Day)	\$ 0.39129	\$ 4,609	\$ 4,609	\$ 4,461	\$ 4,609	\$ 4,461	\$ 4,609	\$ 4,461	\$ 4,312	\$ 4,609	\$ 4,461	\$ 4,609	\$ 4,461	\$ 54,273
Commercial Accounts (\$/Meter/Day)	\$ 0.40933	\$ 3,198	\$ 3,198	\$ 3,095	\$ 3,198	\$ 3,095	\$ 3,198	\$ 3,095	\$ 2,991	\$ 3,198	\$ 3,095	\$ 3,198	\$ 3,095	\$ 37,650
Large Commercial (\$/Meter/Day)	\$ 5.89075	\$ 183	\$ 183	\$ 177	\$ 183	\$ 177	\$ 183	\$ 177	\$ 171	\$ 183	\$ 177	\$ 183	\$ 177	\$ 2,150
Streetlights (\$/Lamp)	\$ 0.21299	\$ 90	\$ 90	\$ 90	\$ 90	\$ 90	\$ 90	\$ 90	\$ 90	\$ 90	\$ 90	\$ 90	\$ 90	\$ 1,076
		\$ 8,079	\$ 8,079	\$ 7,822	\$ 8,079	\$ 7,822	\$ 8,079	\$ 7,822	\$ 7,564	\$ 8,079	\$ 7,822	\$ 8,079	\$ 7,822	\$ 95,149
FY 23-24 IE Electricity Sales Revenue:		\$ 595,428	\$ 595,997	\$ 659,444	\$ 664,767	\$ 736,248	\$ 805,193	\$ 804,853	\$ 696,926	\$ 891,400	\$ 754,970	\$ 605,171	\$ 608,468	\$ 8,418,865
FY 22-23 IE Operating Income Forecast		\$ 77,407	\$ 52,850	\$ 62,271	\$ 36,147	\$ 25,767	\$ (91,594)	\$ (148,403)	\$ (149,362)	\$ 112,170	\$ 22,502	\$ (29,249)	\$ 65,694	\$ 36,200