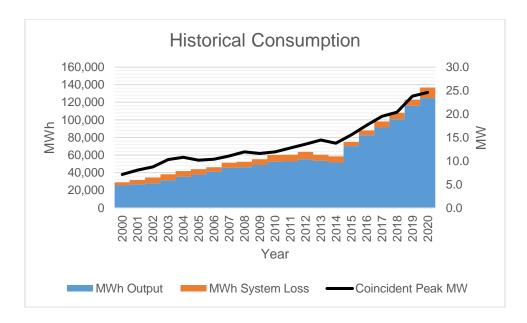
# Power Supply Procurement Plan 2021

ILOILO III ELECTRIC COOPERATIVE, INC. (ILECO III)

## **Historical Consumption Data**

	Coincident Peak MW	MWh Offtake	WESM	MWh Input	MWh Output	MWh System Loss	Load Factor	Discrepancy	Transm'n Loss	System Loss
2000	7.13	27,335	0	25,657	25,657	3,372	41%	13.14%	6.14%	13.14%
2001	8.03	31,308	0	27,051	27,051	4,497	38%	16.62%	13.60%	16.62%
2002	8.75	34,025	0	28,121	28,121	6,282	37%	22.34%	17.35%	22.34%
2003	10.30	37,634	0	31,260	31,260	6,811	35%	21.79%	16.94%	21.79%
2004	10.77	41,195	0	35,361	35,361	6,321	37%	17.88%	14.16%	17.88%
2005	10.17	44,097	0	37,733	37,853	6,365	42%	17.19%	14.43%	16.87%
2006	10.35	45,979	0	41,082	41,276	4,836	45%	12.24%	10.65%	11.77%
2007	11.03	51,258	0	45,360	45,393	6,017	47%	13.34%	11.51%	13.27%
2008	11.97	52,680	0	46,294	46,238	6,208	44%	13.29%	12.12%	13.41%
2009	11.63	54,960	0	48,511	48,701	6,641	48%	14.08%	11.73%	13.69%
2010	11.97	60,741	0	52,923	52,376	7,733	50%	13.58%	12.87%	14.61%
2011	12.78	60,288	3,928	52,529	52,662	7,644	47%	14.81%	12.87%	14.55%
2012	13.59	63,773	6,157	55,218	55,393	8,303	46%	15.35%	13.41%	15.04%
2013	14.45	60,464	4,053	53,079	53,401	7,123	42%	14.03%	12.21%	13.42%
2014	13.81	58,245	4,126	51,615	51,809	6,652	43%	13.26%	11.38%	12.89%
2015	15.59	74,684	1,951	70,080	70,254	4,666	51%	6.91%	6.16%	6.66%
2016	17.59	87,863	4,774	82,704	82,695	5,258	54%	6.35%	5.87%	6.36%
2017	19.50	98,118	19,160	91,340	91,410	6,933	53%	7.67%	6.91%	7.59%
2018	20.42	107,865	18,932	100,738	100,704	7,325	56%	7.24%	6.61%	7.27%
2019	23.82	119,597	32,362	116,132	116,132	6,912	56%	5.95%	2.90%	5.95%
2020	24.61	138,524	29,849	136,679	124,665	12,014	63%	0.00%	1.33%	8.79%

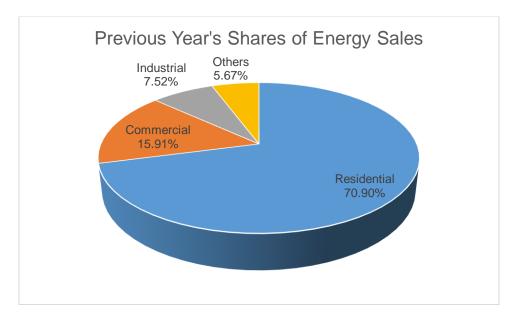
Peak Demand increased from 23.82 MW in 2019 to 24.61 MW in 2020 at a rate of 3% due to increase in consumption. MWh Offtake increased from 119,597 MWh in 2019 to 138,524 MWh in 2020 at a rate of 16% due to the same reason. Within the same period, Load Factor ranged from 56% to 63%. There was an abrupt change in consumption on 2015 due to effect of rehabilitation in the coverage area affected by Super Typhoon Yolanda in November 2013.



MWh Output increased from year 2019 to year 2020 at a rate of 7%, while MWh System Loss increased at a rate of 48% within the same period.



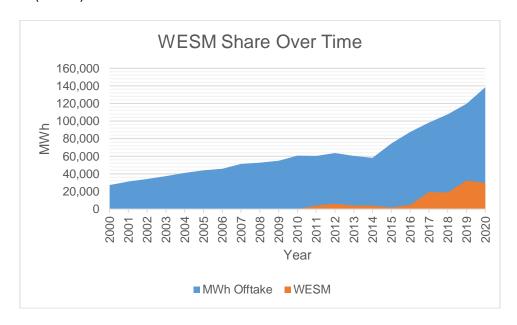
Historically, Transmission Loss ranged from 1.33% to 17.35% while System Loss ranged from 5.95% to 22.34%. Transmission Loss peaked at 17.35% on year 2002. System Loss peaked at 22.34% on the same year.



Residential customers account for the bulk of energy sales at 70.90% due to the high number of connections. In contrast, other customers which includes Public Building and Streetlights accounted for only 5.67% of energy sales despite of the high number of connections than Industrial customers.

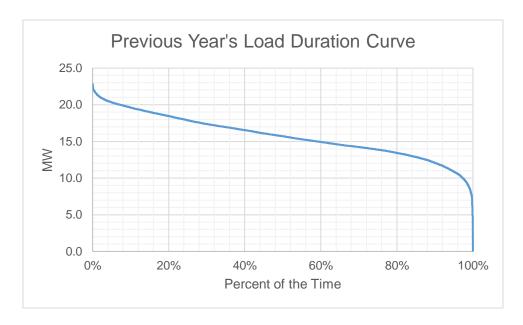


For 2020, the total Offtake for the last historical year is higher. The PSA with Green Core Geothermal, Inc. (GCGI) accounts for the bulk of MWh Offtake.

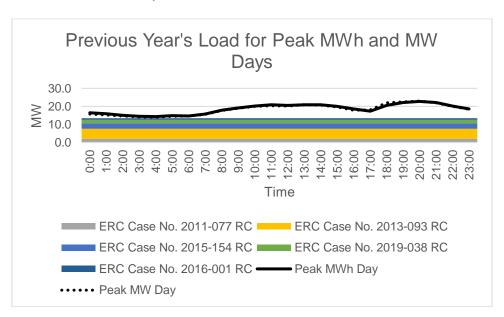


WESM Offtake decreased from 32,362 MWh in 2019 to 29,849 MWh in 2020 at a rate of 8% due to additional PSA from GNPower Mariveles Energy Center Ltd Co. (GMEC). The share of WESM in the total Offtake ranged from 3% to 27%.

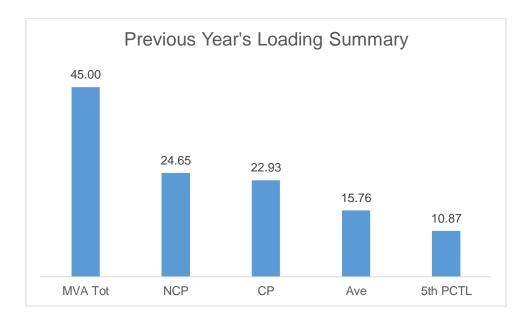
#### **Previous Year's Load Profile**



Based on the Load Duration Curve, the minimum load is 0.075 MW and the maximum load is 22.935 MW for the last historical year.



Peak MW occurred on hour 20 likewise the Peak daily. As shown in the Load Curves, the available supply is lower than the Peak Demand.



The Non-coincident Peak Demand is 24.65 MW, which is around 55% of the total substation capacity of 45 MVA at a power factor of 95%. The load factor or the ratio between the Average Load of 15.78 MW and the Non-coincident Peak Demand is 64% of. A safe estimate of the true minimum load is the fifth percentile load of 10.87 MW which is 44% of the Non-coincident Peak Demand.

Metering Point	Substation MVA	Substation Peak MW
CAPTIVE_PDPILE303	10	7.491
CAPTIVE_PNTILE301	10	8.850
CAPTIVE_PNTILE302	5	3.612
CAPTIVE_PNTILE304	20	4.701

The substations loaded at above 70% are Natividad (CAPTIVE\_PDPILE303) and Panian (CAPTIVE\_PNTILE302) Substations. This loading problem will be solved by substation and uprating of the affected substation

# **Forecasted Consumption Data**

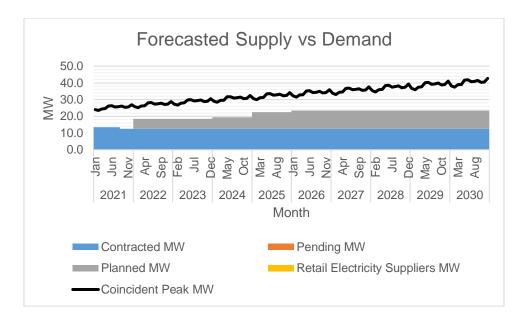
		Coincident Peak MW	Contracted MW	Pending MW	Planned MW	Retail Electricity Suppliers MW	Existing Contracting Level	Target Contracting Level	MW Surplus / Deficit
2021	Jan	24.03	13.50	0.00	0.000		56%	56%	-10.53
	Feb	23.51	13.50	0.00	0.000		57%	57%	-10.01
	Mar	24.49	13.50	0.00	0.000		55%	55%	-10.99
	Apr	24.56	13.50	0.00	0.000		55%	55%	-11.06
	May	26.19	13.50	0.00	0.000		52%	52%	-12.69
	Jun	26.32	13.50	0.00	0.000		51%	51%	-12.82
	Jul	25.59	13.50	0.00	0.000		53%	53%	-12.09
	Aug	25.73	13.50	0.00	0.000		52%	52%	-12.23
	Sep	26.06	12.50	0.00	0.000		48%	48%	-13.56
	Oct	25.33	12.50	0.00	0.000		49%	49%	-12.83
	Nov	25.50	12.50	0.00	0.000		49%	49%	-13.00
	Dec	26.84	12.50	0.00	0.000		47%	47%	-14.34
2022	Jan	25.72	12.50	0.00	6.000		49%	72%	-7.22
	Feb	25.16	12.50	0.00	6.000		50%	74%	-6.66
	Mar	26.20	12.50	0.00	6.000		48%	71%	-7.70
	Apr	26.28	12.50	0.00	6.000		48%	70%	-7.78
	May	28.03	12.50	0.00	6.000		45%	66%	-9.53
	Jun	28.16	12.50	0.00	6.000		44%	66%	-9.66
	Jul	27.38	12.50	0.00	6.000		46%	68%	-8.88
	Aug	27.54	12.50	0.00	6.000		45%	67%	-9.04
	Sep	27.88	12.50	0.00	6.000		45%	66%	-9.38
	Oct	27.10	12.50	0.00	6.000		46%	68%	-8.60
	Nov	27.29	12.50	0.00	6.000		46%	68%	-8.79
	Dec	28.72	12.50	0.00	6.000		44%	64%	-10.22
2023	Jan	27.37	12.50	0.00	6.000		46%	68%	-8.87
	Feb	26.78	12.50	0.00	6.000		47%	69%	-8.28
	Mar	27.89	12.50	0.00	6.000		45%	66%	-9.39
	Apr	27.98	12.50	0.00	6.000		45%	66%	-9.48
	May	29.83	12.50	0.00	6.000		42%	62%	-11.33

	Jun	29.98	12.50	0.00	6.000	42%	62%	-11.48
	Jul	29.14	12.50	0.00	6.000	43%	63%	-10.64
	Aug	29.31	12.50	0.00	6.000	43%	63%	-10.81
	Sep	29.68	12.50	0.00	6.000	42%	62%	-11.18
	Oct	28.85	12.50	0.00	6.000	43%	64%	-10.35
	Nov	29.05	12.50	0.00	6.000	43%	64%	-10.55
	Dec	30.57	12.50	0.00	6.000	41%	61%	-12.07
2024	Jan	29.01	12.50	0.00	7.000	43%	67%	-9.51
	Feb	28.37	12.50	0.00	7.000	44%	69%	-8.87
	Mar	29.56	12.50	0.00	7.000	42%	66%	-10.06
	Apr	29.65	12.50	0.00	7.000	42%	66%	-10.15
	May	31.61	12.50	0.00	7.000	40%	62%	-12.11
	Jun	31.76	12.50	0.00	7.000	39%	61%	-12.26
	Jul	30.88	12.50	0.00	7.000	40%	63%	-11.38
	Aug	31.06	12.50	0.00	7.000	40%	63%	-11.56
	Sep	31.45	12.50	0.00	7.000	40%	62%	-11.95
	Oct	30.57	12.50	0.00	7.000	41%	64%	-11.07
	Nov	30.78	12.50	0.00	7.000	41%	63%	-11.28
	Dec	32.40	12.50	0.00	7.000	39%	60%	-12.90
2025	Jan	30.61	12.50	0.00	10.000	41%	74%	-8.11
	Feb	29.94	12.50	0.00	10.000	42%	75%	-7.44
	Mar	31.19	12.50	0.00	10.000	40%	72%	-8.69
	Apr	31.28	12.50	0.00	10.000	40%	72%	-8.78
	May	33.36	12.50	0.00	10.000	37%	67%	-10.86
	Jun	33.52	12.50	0.00	10.000	37%	67%	-11.02
	Jul	32.59	12.50	0.00	10.000	38%	69%	-10.09
	Aug	32.78	12.50	0.00	10.000	38%	69%	-10.28
	Sep	33.19	12.50	0.00	10.000	38%	68%	-10.69
	Oct	32.26	12.50	0.00	10.000	39%	70%	-9.76
	Nov	32.48	12.50	0.00	10.000	38%	69%	-9.98
	Dec	34.19	12.50	0.00	10.000	37%	66%	-11.69
2026	Jan	32.18	12.50	0.00	11.000	39%	73%	-8.68
	Feb	31.48	12.50	0.00	11.000	40%	75%	-7.98
	Mar	32.79	12.50	0.00	11.000	38%	72%	-9.29

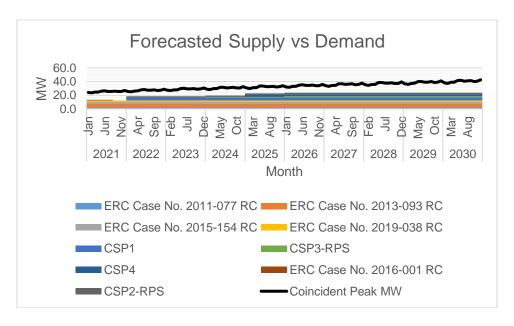
	Apr	32.89	12.50	0.00	11.000	38%	71%	-9.39
	May	35.08	12.50	0.00	11.000	36%	67%	-11.58
	Jun	35.24	12.50	0.00	11.000	35%	67%	-11.74
	Jul	34.27	12.50	0.00	11.000	36%	69%	-10.77
	Aug	34.46	12.50	0.00	11.000	36%	68%	-10.96
	Sep	34.90	12.50	0.00	11.000	36%	67%	-11.40
	Oct	33.92	12.50	0.00	11.000	37%	69%	-10.42
	Nov	34.15	12.50	0.00	11.000	37%	69%	-10.65
	Dec	35.94	12.50	0.00	11.000	35%	65%	-12.44
2027	Jan	33.73	12.50	0.00	11.000	37%	70%	-10.23
	Feb	33.00	12.50	0.00	11.000	38%	71%	-9.50
	Mar	34.37	12.50	0.00	11.000	36%	68%	-10.87
	Apr	34.47	12.50	0.00	11.000	36%	68%	-10.97
	May	36.76	12.50	0.00	11.000	34%	64%	-13.26
	Jun	36.94	12.50	0.00	11.000	34%	64%	-13.44
	Jul	35.91	12.50	0.00	11.000	35%	65%	-12.41
	Aug	36.12	12.50	0.00	11.000	35%	65%	-12.62
	Sep	36.57	12.50	0.00	11.000	34%	64%	-13.07
	Oct	35.55	12.50	0.00	11.000	35%	66%	-12.05
	Nov	35.79	12.50	0.00	11.000	35%	66%	-12.29
	Dec	37.67	12.50	0.00	11.000	33%	62%	-14.17
2028	Jan	35.25	12.50	0.00	11.000	35%	67%	-11.75
	Feb	34.48	12.50	0.00	11.000	36%	68%	-10.98
	Mar	35.91	12.50	0.00	11.000	35%	65%	-12.41
	Apr	36.02	12.50	0.00	11.000	35%	65%	-12.52
	May	38.41	12.50	0.00	11.000	33%	61%	-14.91
	Jun	38.60	12.50	0.00	11.000	32%	61%	-15.10
	Jul	37.53	12.50	0.00	11.000	33%	63%	-14.03
	Aug	37.74	12.50	0.00	11.000	33%	62%	-14.24
	Sep	38.22	12.50	0.00	11.000	33%	61%	-14.72
	Oct	37.15	12.50	0.00	11.000	34%	63%	-13.65
	Nov	37.40	12.50	0.00	11.000	33%	63%	-13.90
	Dec	39.37	12.50	0.00	11.000	32%	60%	-15.87
2029	Jan	36.74	12.50	0.00	11.000	34%	64%	-13.24

		0=04	10 =0	0.00	11.000	0.507	0.507	10.44
	Feb	35.94	12.50	0.00	11.000	35%	65%	-12.44
	Mar	37.43	12.50	0.00	11.000	33%	63%	-13.93
	Apr	37.55	12.50	0.00	11.000	33%	63%	-14.05
	May	40.04	12.50	0.00	11.000	31%	59%	-16.54
	Jun	40.23	12.50	0.00	11.000	31%	58%	-16.73
	Jul	39.11	12.50	0.00	11.000	32%	60%	-15.61
	Aug	39.34	12.50	0.00	11.000	32%	60%	-15.84
	Sep	39.83	12.50	0.00	11.000	31%	59%	-16.33
	Oct	38.72	12.50	0.00	11.000	32%	61%	-15.22
	Nov	38.99	12.50	0.00	11.000	32%	60%	-15.49
	Dec	41.03	12.50	0.00	11.000	30%	57%	-17.53
2030	Jan	38.20	12.50	0.00	11.000	33%	62%	-14.70
	Feb	37.37	12.50	0.00	11.000	33%	63%	-13.87
	Mar	38.92	12.50	0.00	11.000	32%	60%	-15.42
	Apr	39.04	12.50	0.00	11.000	32%	60%	-15.54
	May	41.63	12.50	0.00	11.000	30%	56%	-18.13
	Jun	41.83	12.50	0.00	11.000	30%	56%	-18.33
	Jul	40.67	12.50	0.00	11.000	31%	58%	-17.17
	Aug	40.90	12.50	0.00	11.000	31%	57%	-17.40
	Sep	41.42	12.50	0.00	11.000	30%	57%	-17.92
	Oct	40.26	12.50	0.00	11.000	31%	58%	-16.76
	Nov	40.54	12.50	0.00	11.000	31%	58%	-17.04
	Dec	42.66	12.50	0.00	11.000	29%	55%	-19.16

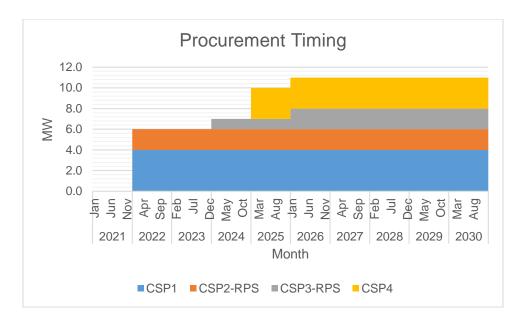
The Peak Demand was assumed to occur on the month of December. Monthly Peak Demand is at its lowest on the month of February due to cold weather. In general, Peak Demand is expected to grow at an average rate of 5%.



The available supply is generally below the Peak Demand. This is because of limited power supply contracts.



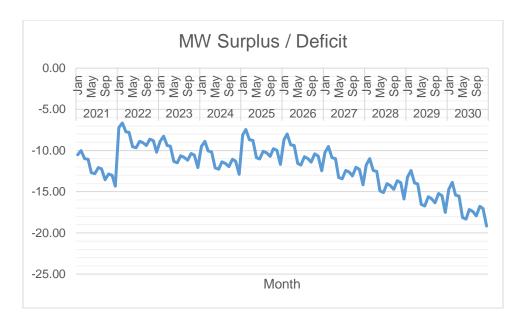
Of the available supply, the largest is 5.50 MW from Green Core Geothermal, Inc. (GCGI). This is followed by 4.00 MW from CSP1, followed by 3.00 MW each from Panay Energy Development Corp. (PEDC) - Unit 3 and CSP4 and followed by 2.00 MW each from Panay Energy Development Corp. (PEDC) - Unit 1 & 2, GNPower Mariveles Energy Center Ltd. Co. (GMEC) and CSP2. This is followed by 1.00 MW each from SPC Island Power Corp. (SIPC) and CSP3-RPS will increase to 2.00 MW by 2026 and 3.00 MW by 2032.



The first wave of supply procurement will be for 4.00 MW and 2.00 MW planned to be available by the month of January 2022 and another 3.00 MW to be available by January 2025. Lastly, 1.00 MW planned to be available by the month of January 2024 which will increase to 2.00 MW and 3.00 MW to be available by the month of January 2026 and January 2032 respectively.



Currently, there is under-contacting by 49%. The highest target contracting level is 75% which is expected to occur on February 2025. The lowest target contracting level is 47% which is expected to occur on December 2021.

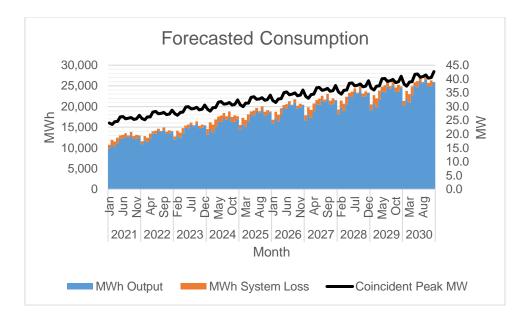


Currently, there is under-contacting by 12.11 MW. The highest deficit is 19.16 MW which is expected to occur on the month of December 2030. The lowest deficit is 6.66 MW which is expected to occur on the month of February 2022.

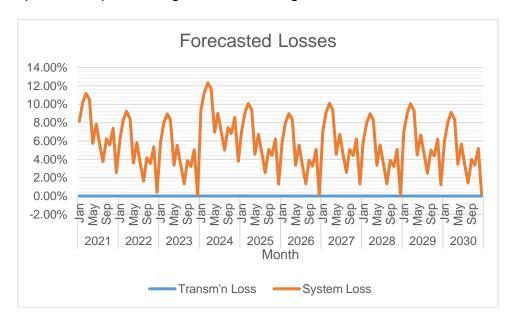
		MWh Offtake	MWh Output	MWh System Loss	Transm'n Loss	System Loss
2021	Jan	10,729	9,856	873	0.00%	8.14%
	Feb	11,918	10,705	1,213	0.00%	10.18%
	Mar	11,518	10,232	1,286	0.00%	11.17%
	Apr	12,460	11,152	1,307	0.00%	10.49%
	May	12,975	12,232	743	0.00%	5.73%
	Jun	13,147	12,119	1,028	0.00%	7.82%
	Jul	13,568	12,788	780	0.00%	5.75%
	Aug	13,030	12,541	489	0.00%	3.75%
	Sep	13,843	12,981	862	0.00%	6.22%
	Oct	12,889	12,169	721	0.00%	5.59%
	Nov	13,199	12,227	972	0.00%	7.37%
	Dec	12,989	12,659	330	0.00%	2.54%
2022	Jan	11,593	10,886	707	0.00%	6.10%
	Feb	12,878	11,815	1,063	0.00%	8.25%
	Mar	12,446	11,298	1,149	0.00%	9.23%
	Apr	13,463	12,334	1,130	0.00%	8.39%
	May	14,020	13,513	507	0.00%	3.61%
	Jun	14,205	13,381	825	0.00%	5.80%
	Jul	14,660	14,121	539	0.00%	3.68%
	Aug	14,078	13,848	230	0.00%	1.63%
	Sep	14,957	14,334	623	0.00%	4.17%
	Oct	13,927	13,434	493	0.00%	3.54%
	Nov	14,262	13,498	764	0.00%	5.36%
	Dec	14,033	13,980	53	0.00%	0.38%
2023	Jan	12,739	11,997	743	0.00%	5.83%
	Feb	14,152	13,029	1,122	0.00%	7.93%
	Mar	13,678	12,454	1,223	0.00%	8.94%
	Apr	14,795	13,576	1,219	0.00%	8.24%

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	May	15,405		516	0.00%	3.35%
	Jun	15,610	14,750	860	0.00%	5.51%
	Jul	16,109	15,565	544	0.00%	3.38%
	Aug	15,469	15,264	205	0.00%	1.32%
	Sep	16,436	15,801	635	0.00%	3.87%
	Oct	15,303	14,811	492	0.00%	3.22%
	Nov	15,672	14,882	790	0.00%	5.04%
	Dec	15,420	15,408	12	0.00%	0.08%
2024	Jan	14,551	13,194	1,357	0.00%	9.33%
	Feb	16,164	14,329	1,835	0.00%	11.35%
	Mar	15,623	13,697	1,926	0.00%	12.33%
	Apr	16,899	14,931	1,968	0.00%	11.64%
	May	17,596	16,375	1,221	0.00%	6.94%
	Jun	17,830	16,221	1,608	0.00%	9.02%
	Jul	18,399	17,118	1,282	0.00%	6.97%
	Aug	17,668	16,787	881	0.00%	4.98%
	Sep	18,773	17,377	1,396	0.00%	7.43%
	Oct	17,479	16,288	1,190	0.00%	6.81%
	Nov	17,900	16,366	1,534	0.00%	8.57%
	Dec	17,612	16,945	667	0.00%	3.78%
2025	Jan	15,567	14,477	1,091	0.00%	7.01%
	Feb	17,294	15,722	1,572	0.00%	9.09%
	Mar	16,715	15,028	1,687	0.00%	10.09%
	Apr	18,080	16,384	1,696	0.00%	9.38%
	May	18,824	17,967	856	0.00%	4.55%
	Jun	19,075	17,798	1,277	0.00%	6.69%
	Jul	19,683	18,782	901	0.00%	4.58%
	Aug	18,900	18,419	481	0.00%	2.54%
	Sep	20,083	19,066	1,017	0.00%	5.06%
	Oct	18,699	17,872	827	0.00%	4.42%
	Nov	19,150	17,957	1,193	0.00%	6.23%
	Dec	18,840	18,593	247	0.00%	1.31%
2026	Jan	16,833	15,846	987	0.00%	5.86%
	Feb	18,700	17,209	1,491	0.00%	7.97%
	Mar	18,074	16,450	1,625	0.00%	8.99%
	Apr	19,550	17,935	1,616	0.00%	8.26%
	May	20,354	19,667	687	0.00%	3.37%
	Jun	20,625	19,481	1,144	0.00%	5.55%
	Jul	21,283	20,558	725	0.00%	3.41%
	Aug	20,436	20,338	275	0.00%	1.34%
	Sep			846	+	+
	Oct	21,715	20,870	656	0.00%	3.90%
		20,218	19,562		0.00%	3.25%
	Nov	20,707	19,655	1,051	0.00%	5.08%
2007	Dec	20,371	20,351	19	0.00%	0.09%
2027	Jan	17,858	16,606	1,251	0.00%	7.01%
	Feb	19,839	18,035	1,804	0.00%	9.09%
	Mar	19,175	17,239	1,936	0.00%	10.10%
	Apr	20,741	18,795	1,946	0.00%	9.38%
	May	21,593	20,610	982	0.00%	4.55%

	Jun	21,881	20,416	1,465	0.00%	6.70%
	Jul	22,579	21,545	1,034	0.00%	4.58%
	Aug	21,680	21,129	551	0.00%	2.54%
	Sep	23,037	21,871	1,166	0.00%	5.06%
	Oct	21,449	20,501	949	0.00%	4.42%
	Nov	21,967	20,598	1,369	0.00%	6.23%
	Dec	21,610	21,328	282	0.00%	1.31%
2028	Jan	19,277	18,149	1,128	0.00%	5.85%
	Feb	21,416	19,710	1,706	0.00%	7.97%
	Mar	20,700	18,840	1,860	0.00%	8.99%
	Apr	22,390	20,542	1,848	0.00%	8.25%
	May	23,309	22,525	784	0.00%	3.36%
	Jun	23,621	22,312	1,309	0.00%	5.54%
	Jul	24,373	23,546	827	0.00%	3.40%
	Aug	23,402	23,091	311	0.00%	1.33%
	Sep	24,868	23,902	966	0.00%	3.88%
	Oct	23,154	22,404	749	0.00%	3.24%
	Nov	23,713	22,511	1,202	0.00%	5.07%
	Dec	23,327	23,309	18	0.00%	0.08%
2029	Jan	20,508	19,083	1,425	0.00%	6.95%
	Feb	22,784	20,724	2,060	0.00%	9.04%
	Mar	22,022	19,809	2,213	0.00%	10.05%
	Apr	23,820	21,599	2,220	0.00%	9.32%
	May	24,796	23,684	1,112	0.00%	4.48%
	Jun	25,128	23,459	1,669	0.00%	6.64%
	Jul	25,928	24,757	1,171	0.00%	4.52%
	Aug	24,895	24,279	616	0.00%	2.48%
	Sep	26,455	25,132	1,323	0.00%	5.00%
	Oct	24,631	23,557	1,074	0.00%	4.36%
	Nov	25,227	23,670	1,557	0.00%	6.17%
	Dec	24,815	24,508	307	0.00%	1.24%
2030	Jan	21,379	20,104	1,275	0.00%	5.96%
	Feb	23,752	21,833	1,920	0.00%	8.08%
	Mar	22,958	20,869	2,089	0.00%	9.10%
	Apr	24,832	22,756	2,076	0.00%	8.36%
	May	25,848	24,951	897	0.00%	3.47%
	Jun	26,195	24,714	1,481	0.00%	5.65%
	Jul	27,029	26,082	947	0.00%	3.50%
	Aug	25,951	25,578	373	0.00%	1.44%
	Sep	27,578	26,477	1,102	0.00%	3.99%
	Oct	25,676	24,817	859	0.00%	3.35%
	Nov	26,298	24,936	1,362	0.00%	5.18%
	Dec	25,867	25,820	47	0.00%	0.18%



MWh Output was expected to grow at an average rate of 5%.



Transmission Loss is expected at 0% while System Loss is expected to range from 0.08% to 12%.

### **Power Supply**

Case No.	Туре	GenCo	Minimum MW	Minimum MWh/yr	PSA Start	PSA End
2013-093 RC	Base	Green Core Geothermal, Inc. (GCGI)	5.50	8,766	12/26/2012	12/25/2030
2011-077 RC	Base	Panay Energy Development Corporation (PEDC) – Unit 1 & 2	2.00	26,280	3/26/2011	3/25/2036
2015-154 RC	Base	Panay Energy Development Corporation (PEDC) – Unit 3	3.00	17,520	7/26/2016	7/25/2041
2016-001 RC	Peaking	SPC Island Power Corporation (SIPC)	1.00	1,056	8/26/2016	8/25/2021
2019-038 RC	Base	GNPower Mariveles Energy Center Ltd. Co. (GMEC)	2.00	17,520	12/26/2019	12/25/2037

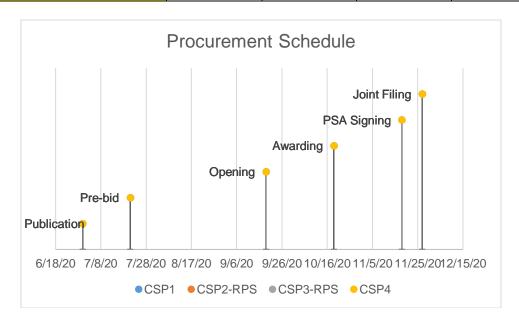
The PSA with Green Core Geothermal, Inc. (GCGI) filed with ERC under Case No. 2013-093 RC. It was selected to provide base requirements. Historically, the utilization of the PSA is 100%. Outages of the plant led to unserved energy of around 57.00 MWh in the past year. The average overall actual billed monthly charge under the PSA is 5.5953 P/KWh for the year 2020.

The PSA with Panay Energy Development Corporation (PEDC) filed with ERC under Case Nos. 2011-077 RC and 2015-154 RC. It was selected to provide base requirements. Historically, the utilization of the PSA is 100%. Outages of the plant led to unserved energy of around 630.00 and 943.00 MWh in the past year respectively. The average overall actual billed monthly charge under the PSA is 4.6129 P/KWh for the year 2020.

The PSA with SPC Island Power Corporation (SIPC) filed with ERC under Case No. 2016-001 RC. It was selected to provide peaking requirements. Historically, the utilization of the PSA is 100%. The average overall actual billed monthly charge under the PSA is 9.8078 P/KWh for the year 2020.

The PSA with GNPOWER Mariveles Energy Center Ltd Co. (GMEC) filed with ERC under Case No. 2019-038. It was selected to provide for base requirements. Historically, the utilization of the PSA is 100%. Outages of the plant led to unserved energy of around 555.00 MWh in the past year. The average overall actual billed monthly charge under the PSA is 4.0036 P/KWh for the year 2020.

	CSP1	CSP2-RPS	CSP3-RPS	CSP4
Туре	Base	Peaking	Base	Base
Minimum MW	4.00	2.00	1.00	3.00
Minimum MWh/yr	35,040	2,920	8,760	26,280
PSA Start	12/26/2021	12/26/2021	12/26/2023	12/26/2024
PSA End	12/25/2032	12/25/2031	12/25/2033	12/26/2032
Publication	6/30/2020	6/30/2020	6/30/2020	6/30/2020
Pre-bid	7/21/2020	7/21/2020	7/21/2020	7/21/2020
Opening	9/19/2020	9/19/2020	9/19/2020	9/19/2020
Awarding	10/19/2020	10/19/2020	10/19/2020	10/19/2020
PSA Signing	11/18/2020	11/18/2020	11/18/2020	11/18/2020
Joint Filing	11/27/2020	11/27/2020	11/27/2020	11/27/2020



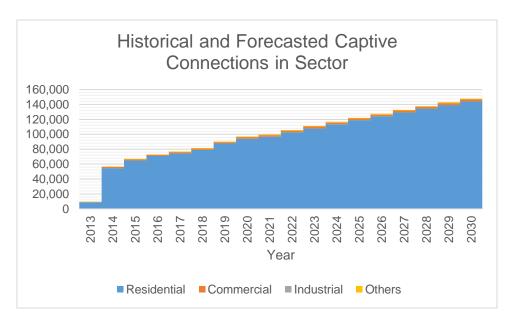
For the procurement of 4.00 MW (CSP1) of supply (Base) which is planned to be available on January 2022, the first publication or launch of CSP will be on June 30, 2020. Joint filing is planned on November 27, 2021, or 150 days later, in accordance with DOE's 2018 CSP Policy.

For the procurement of 2.00 MW (CSP2-RPS) of supply (Peaking) which is planned to be available on January 2022, the first publication or launch of CSP will be on June 30, 2020. Joint filing is planned on November 27, 2021, or 150 days later, in accordance with DOE's 2018 CSP Policy.

For the procurement of 1.00 MW (CSP3-RPS) of supply (Base) which is planned to be available on January 2024 and will increase to 2.00 MW and 3.00 MW by January 2026 and January 2032 respectively. The first publication or launch of CSP will be on June 30, 2020. Joint filing is planned on November 27, 2021, or 150 days later, in accordance with DOE's 2018 CSP Policy.

For the procurement of 3.00 MW (CSP4) of supply (Base) which is planned to be available on January 2025, the first publication or launch of CSP will be on June 30, 2020. Joint filing is planned on November 27, 2021, or 150 days later, in accordance with DOE's 2018 CSP Policy

## **Captive Customer Connections**



The number of Residential connections is expected to grow at an average rate of 4%. Said customer class is expected to account for 70.90% of the total consumption.