

Distribution Development Plan



2021-2030



**2021-2030
DISTRIBUTION DEVELOPMENT PLAN**

MESSAGE FROM THE SECRETARY

The Department of Energy (DOE) appreciates the full support and cooperation of the Distribution Utilities (DUs) and the National Electrification Administration in developing the 2021-2030 Distribution Development Plan (DDP).

This 2021 DDP reflects the DUs resilience and hard work in planning for the power supply requirements of their respective franchise areas, taking into consideration the anticipated economic development in each area and needed infrastructure projects to accommodate load growth and improve system reliability and efficiency.

This edition presents the supply and demand outlook of the DUs for the ten-year planning horizon and the schedule of Competitive Selection Process per type of requirements. With proper planning and accurate demand forecasting, the DUs will be able to ensure a continuous, reliable and affordable supply of electricity in the areas they serve.

Amidst the challenge brought about by the COVID-19 pandemic and the onslaught of different calamities, the DUs remain steadfast to their mandate of providing least-cost electricity to its consumers.

The DOE wishes to reiterate that the annual updating of the DDP is a critical input in the overall economic and energy development planning at the national and local levels as it is being integrated in the DOE's Power Development Plan, the Philippine Energy Plan and the country's Philippine Development Plan.

Further, the DOE enjoins all the DUs to continue to prepare and come up with their annual DDP containing realistic supply and demand outlook and plans and programs necessary to provide reliable, stable and least-cost power supply in their franchise areas.

Maraming Salamat at Mabuhay!



RAPHAEL P.M. LOTILLA
SECRETARY



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LIST OF ABBREVIATION

AAGR	Annual Average Growth Rate
CSP	Competitive Selection Process
DDP	Distribution Development Plan
DOE	Department of Energy
DU	Distribution Utilities
EC	Electric Cooperative
ERC	Energy Regulatory Commission
MW	Megawatt
NEA	National Electrification Administration
NPC	National Power Corporation
NPP	New Power Provider
PSA	Power Supply Agreement
PSPP	Power Supply Procurement Plan
WESM	Wholesale Electricity Spot Market

NOTES

1. DUs without 2021-2030 DDP submissions:
 - i. Cagayan de Sulu Electric Cooperative, Inc. (CASELCO)
 - ii. Lanao del Norte Electric Cooperative, Inc. (LANECO)
 - iii. Lanao del Sur Electric Cooperative, Inc. (LASURECO)
 - iv. Mactan Electric Company, Inc. (MECO)
 - v. Maguindanao Electric Cooperative, Inc. (MAGELCO)
 - vi. Masbate Electric Cooperative, Inc. (MASELCO)
 - vii. Municipality of Bumbaran Electric System (Bumbaran)
 - viii. Pantabangan Municipal Electric System (PAMES)
 - ix. San Fernando Electric and Power Company, Inc. (SFELAPCO)
 - x. Siasi Electric Cooperative, Inc. (SIASELCO)
 - xi. Tawi-tawi Electric Cooperative, Inc. (TAWELCO)
2. For Grid DUs with multiple small grid/stand-alone systems, the Supply-Demand Profile corresponds to the franchise requirements of its off-grid areas.
3. For Off-grid DUs, the Supply-Demand Profile corresponds only to the mainland.
4. All data and information contained herein were sourced from the 2021-2030 DDP and PSPP submissions of DUs.

EXECUTIVE SUMMARY

The DDP is the annual program of DUs for managing the distribution system through timely identification of infrastructure requirements and procurement of power supply to ensure the continuity, reliability and affordability of electricity service to the consumers. Such plan shall be submitted to the DOE for integration with the Power Development Plan and Philippine Energy Plan. In the case of ECs, such plans shall be submitted through the NEA for review and consolidation.

Integrated in the DDP is the DU's PSPP which refers to their plan for the acquisition of a variety of demand-side and supply-side resources to cost-effectively meet the electricity needs of its customers that are not covered by a PSA procured through CSP.

This 2021-2030 DDP features the individual and regional supply-demand profiles of the DUs for the ten-year planning period. The individual profile shows the uncontracted requirements of the DUs based on its projected demand vis-à-vis the existing PSA and PSA for approval before the ERC. The yearly incremental requirements of the DUs were also presented in the profile.

The DDP also highlighted the CSP schedule of each DU per type of requirements, which will cover the uncontracted requirements to ensure the continuous provision of electricity supply to the consumers in the least-cost manner.

In 2020, the grid DUs recorded a non-coincident peak demand of 11,706.94 MW for its captive customers. This was forecasted to increase from 12,087.72 MW in 2021 to 17,882.77 MW in 2030 with an AAGR of 4.33% for the ten-year planning horizon. Luzon registered the highest demand at 8,043.88 MW while Mindanao and Visayas recorded a peak demand of 1,913.64 MW and 1,749.42 MW, respectively.

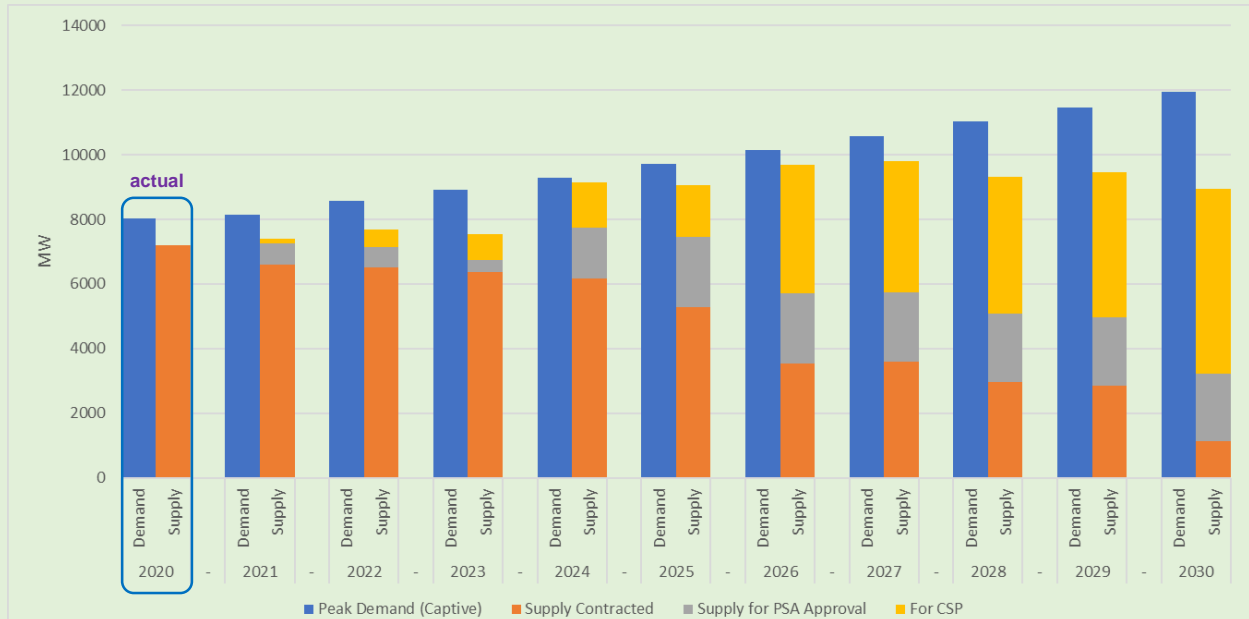
The total contracted supply, including the supply for approval of the ERC, of all the Philippine DUs in the grid registered at 11,260.93 MW in 2020. Luzon has a contracted supply of 7,505.77 MW, followed by Mindanao with 2,490.43 MW and Visayas with 1,264.73 MW. The remaining requirements in Luzon and Visayas were sourced by the DU through the WESM.

With regard to the supply for CSP, Luzon scheduled a total of 161.69 MW in 2021 up to 5,727.08 MW in 2030. This is followed by Mindanao with a total of 339.35 MW in 2022 up to 1,263.09 MW in 2030, and Visayas with 75.36 MW up to 668.86 MW in 2030. In total, the DUs has schedule for CSP ranging from 237.05 MW up to 7,659.03 MW for the entire planning period.

DISTRIBUTION UTILITIES IN THE PHILIPPINES

LUZON

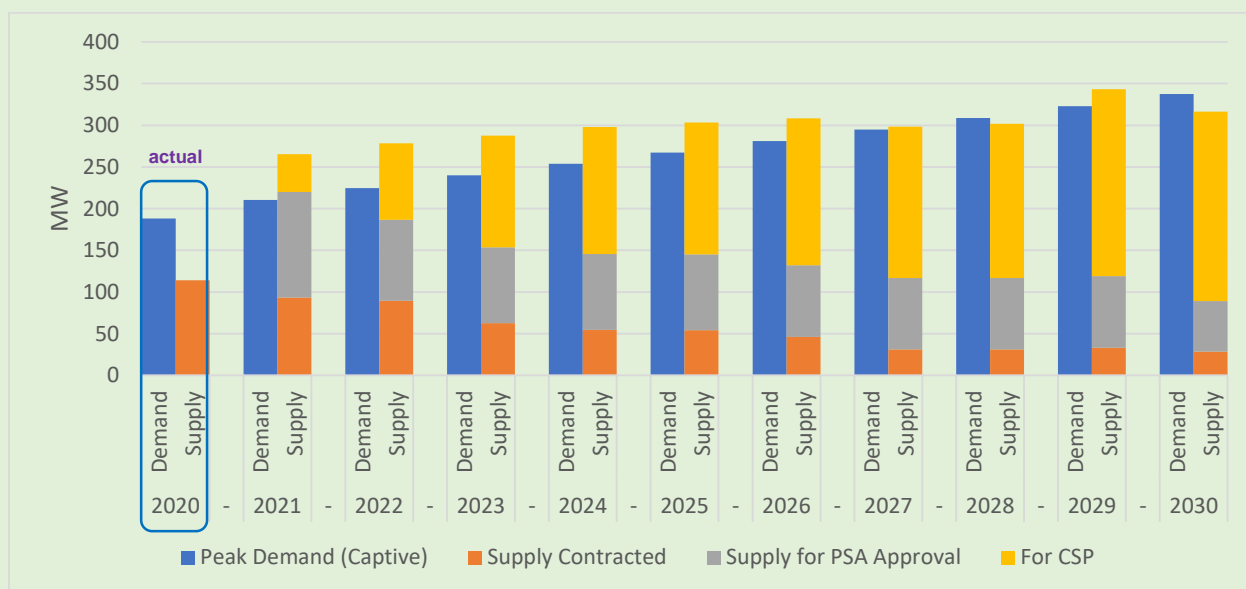
Figure 1. Supply-Demand Profile of Luzon DUs



Luzon	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	8,043.88	8,146.43	8,569.29	8,919.56	9,302.64	9,718.06	10,138.96	10,576.48	11,027.01	11,479.99	11,958.25
Supply Contracted	7,187.77	6,587.35	6,503.09	6,378.35	6,177.16	5,296.14	3,549.94	3,600.78	2,970.25	2,856.34	1,131.34
Supply for PSA Approval	318.00	663.44	644.76	356.43	1,559.39	2,164.43	2,157.65	2,137.27	2,120.37	2,121.46	2,091.55
Uncontracted Requirements		895.64	1,421.43	2,184.77	1,566.08	2,257.48	4,431.37	4,838.43	5,936.40	6,502.19	8,735.36
Incremental Requirements			525.80	763.34	618.69	691.40	2,173.89	407.06	1,097.97	565.79	2,233.17
For CSP		161.69	538.35	795.02	1,419.37	1,610.83	3,994.42	4,073.93	4,222.65	4,474.85	5,727.08
CSP Schedule											
		161.69	538.35	795.02	1,419.37	1,610.83	3,994.42	4,073.93	4,222.65	4,474.85	5,727.08
Uncontracted Requirements after CSP		733.95	883.08	1,389.75	146.72	646.65	436.95	764.50	1,713.75	2,027.34	3,008.28
% - Uncontracted Requirements after CSP vs Peak Demand		9.01%	10.31%	15.58%	1.58%	6.65%	4.31%	7.23%	15.54%	17.66%	25.16%

The non-coincident peak demand of Luzon reached 8,043.88 MW in 2020 and is projected to rise from 8,146.43 MW in 2021 to 11,958.25 MW in 2030, with a 4.05% AAGR over the entire planning period. In 2021, Luzon will have a supply deficit of 895.64 MW, which is expected to grow annually.

Figure 2. Supply-Demand Profile of Luzon DUs – Off-Grid



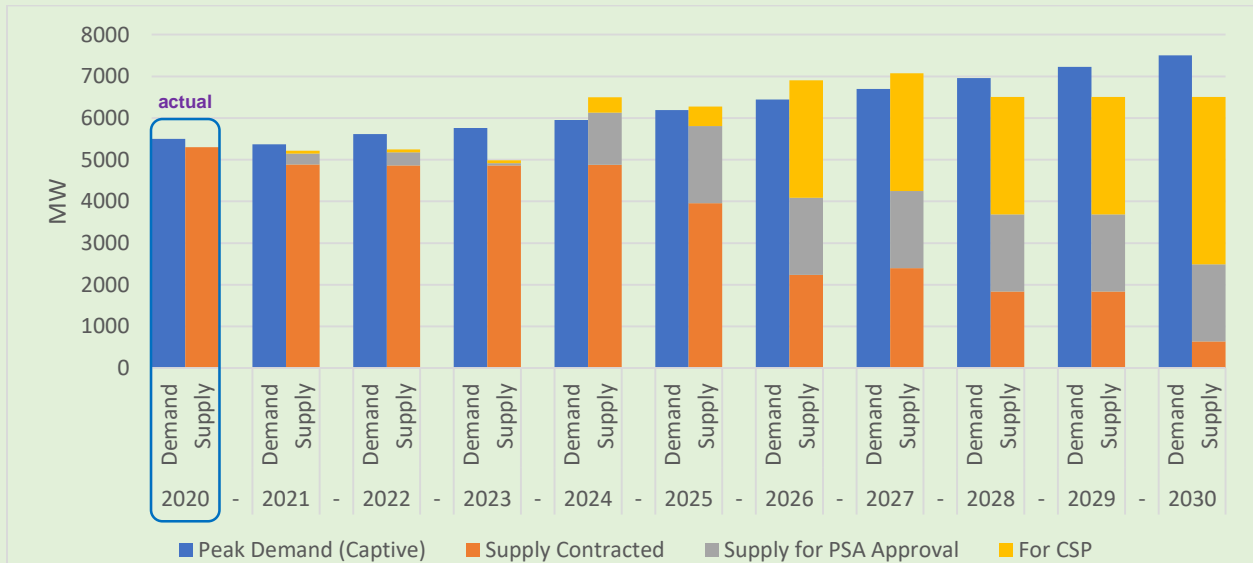
Luzon - Off-Grid	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	188.02	210.44	224.78	240.04	253.90	267.46	281.11	294.94	308.88	323.09	337.38
Supply Contracted	114.17	93.47	89.57	62.65	54.57	54.17	46.17	31.07	31.07	33.07	28.34
Supply for PSA Approval	106.35	126.51	97.01	90.91	90.91	90.90	85.90	85.90	85.90	85.90	60.90
Uncontracted Requirements		- 9.54	38.20	86.48	108.43	122.39	149.04	177.97	191.91	204.11	248.14
Incremental Requirements		47.74	48.28	21.95	13.96	26.65	28.93	13.94	12.21	44.03	
For CSP		45.26	91.65	134.04	152.50	158.20	176.42	181.46	184.73	224.19	227.02
CSP Schedule											
Uncontracted Requirements after CSP		45.26	91.65	134.04	152.50	158.20	176.42	181.46	184.73	224.19	227.02
% - Uncontracted Requirements after CSP vs Peak Demand		- 26.04%	- 23.78%	- 19.81%	- 17.36%	- 13.39%	- 9.74%	- 1.18%	2.32%	- 6.21%	6.26%

In the case of off-grid areas, Luzon DUs recorded a non-coincident peak demand of 188.02 MW in 2020 which is projected to increase from 210.44 MW in 2021 to 337.38 MW in 2030, with a 6.04% AAGR over the entire planning period. The off-grid areas in Luzon will have a supply deficit of 9.54 MW in 2021 and is expected to increase annually.

➤ NATIONAL CAPITAL REGION (NCR)

The NCR registered a non-coincident peak demand of 5,499.09 MW for its captive customers in 2020, which was forecasted to increase from 5,370.05 MW in 2021 to 7,505.58 MW in 2030 with an AAGR of 3.18% for the ten-year planning horizon. NCR will have a supply deficit of 222.84 MW in 2021 and projected to grow annually.

Figure 3. Supply-Demand Profile of NCR (MERALCO)



MERALCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	5,499.09	5,370.05	5,614.16	5,761.53	5,951.44	6,195.34	6,442.85	6,696.49	6,957.01	7,225.58	7,505.58
Supply Contracted	5,303.13	4,887.21	4,867.21	4,867.21	4,877.21	3,955.69	2,237.53	2,402.53	1,840.00	1,840.00	640.00
Supply for PSA Approval	260.00	260.00	310.00	50.00	1,250.00	1,850.00	1,850.00	1,850.00	1,850.00	1,850.00	1,850.00
Uncontracted Requirements		222.84	436.95	844.32	- 175.77	389.65	2,355.32	2,443.96	3,267.01	3,535.58	5,015.58
Incremental Requirements			214.11	407.37	- 1,020.09	565.42	1,965.67	88.64	823.05	268.57	1,480.00
For CSP		70.00	70.00	70.00	370.00	470.00	2,820.00	2,820.00	2,820.00	2,820.00	4,020.00
CSP Schedule											
Uncontracted Requirements after CSP		152.84	366.95	774.32	- 545.77	- 80.35	- 464.68	- 376.04	447.01	715.58	995.58
% - Uncontracted Requirements after CSP vs Peak Demand		2.85%	6.54%	13.44%	-9.17%	-1.30%	-7.21%	-5.62%	6.43%	9.90%	13.26%

For the entire planning period, MERALCO, as the sole distribution utility in NCR, has a schedule for CSP ranging from 70.0 MW to 4,020.00 MW. With the proposed CSPs, the uncontracted requirements of NCR will be reduced to 6.54% in 2022 and 13.26% in 2030 of the region's overall requirements.

➤ **CORDILLERA ADMINISTRATIVE REGION (CAR)**

The DUs in Cordillera Administrative Region (CAR) recorded a non-coincident peak demand of 119.17 MW for its captive customers in 2020, which was forecasted to increase from 122.68 MW in 2021 to 182.57 MW in 2030 with an AAGR of 4.32% for the ten-year planning period. CAR will have a supply deficit of 43.14 MW in 2021 and projected to grow annually.

Figure 4. Supply-Demand Profile of CAR DUs

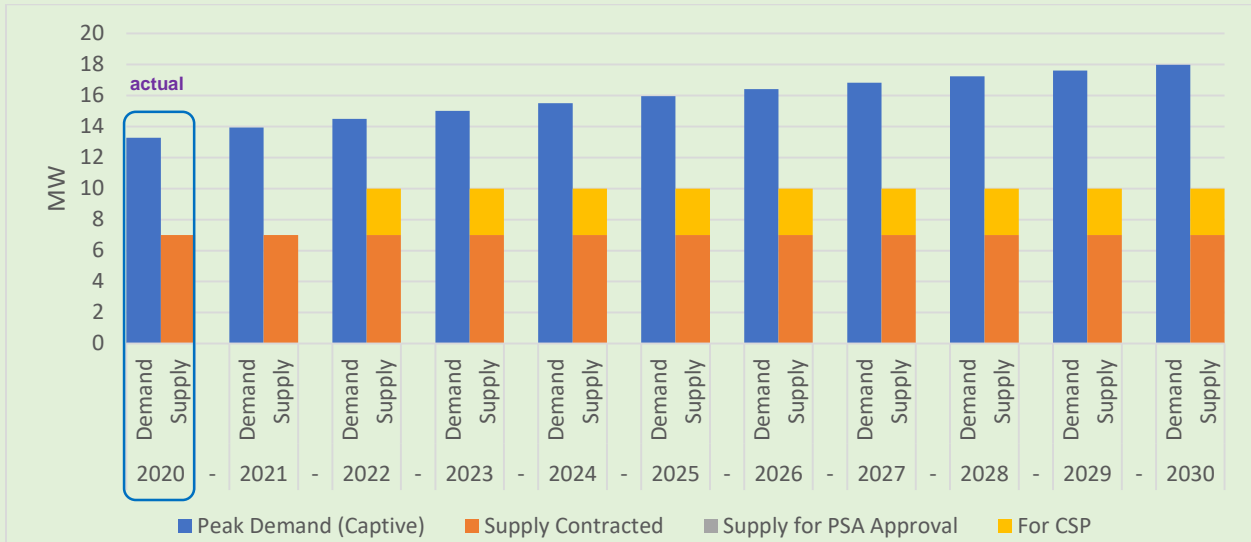


CAR	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	119.77	122.68	126.99	132.74	138.50	144.37	150.32	156.23	162.09	168.72	182.57
Supply Contracted	77.70	72.20	72.20	72.20	17.20	17.20	17.20	17.20	17.20	17.20	17.20
Supply for PSA Approval		7.34	7.55	7.73	7.89	8.03	8.15	8.27	8.37	8.46	8.55
Uncontracted Requirements		43.14	47.24	52.81	113.41	119.14	124.97	130.76	136.52	143.06	156.82
Incremental Requirements			4.10	5.57	60.60	5.73	5.83	5.79	5.76	6.54	13.76
For CSP		3.00	7.00	8.50	80.50	73.00	3.00	3.00	3.00	3.00	3.00
CSP Schedule											
		3.00	7.00	8.50	80.50	73.00	3.00	3.00	3.00	3.00	3.00
Uncontracted Requirements after CSP		40.14	40.24	44.31	32.91	46.14	121.97	127.76	133.52	140.06	153.82
% - Uncontracted Requirements after CSP vs Peak Demand		32.72%	31.69%	33.38%	23.76%	31.96%	81.14%	81.78%	82.37%	83.01%	84.25%

For the entire planning period, CAR DUs has a schedule for CSP ranging from 3.00 MW to 80.50 MW. Majority of the requirements for CSP is through the procurement of BENECO for the year 2024-2025, and the other requirements are from ABRECO and KAELCO. With the proposed CSPs, the uncontracted requirements of CAR will be reduced to 32.72% - 84.25% of the region's overall requirements.

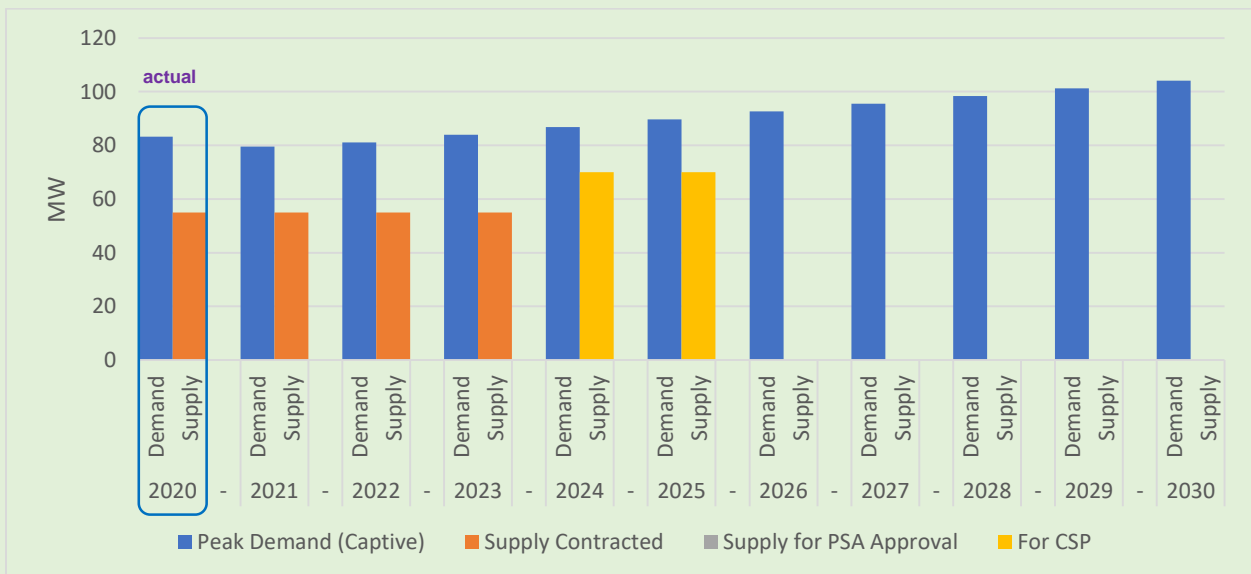
The following are the Supply-Demand Profile of each DU in CAR:

Figure 5. Supply-Demand Profile of ABRECO



ABRECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	13.28	13.94	14.50	15.01	15.50	15.96	16.41	16.83	17.24	17.62	17.99
Supply Contracted	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
Supply for PSA Approval											
Uncontracted Requirements		6.94	7.50	8.01	8.50	8.96	9.41	9.83	10.24	10.62	10.99
Incremental Requirements			0.56	0.51	0.49	0.46	0.45	0.42	0.41	0.38	0.37
For CSP		-	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
CSP Schedule											
Baseload (2022-2037)			3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Uncontracted Requirements after CSP		6.94	4.50	5.01	5.50	5.96	6.41	6.83	7.24	7.62	7.99
% - Uncontracted Requirements after CSP vs Peak Demand		49.78%	31.03%	33.38%	35.48%	37.34%	39.06%	40.58%	42.00%	43.25%	44.41%

Figure 6. Supply-Demand Profile of BENEKO



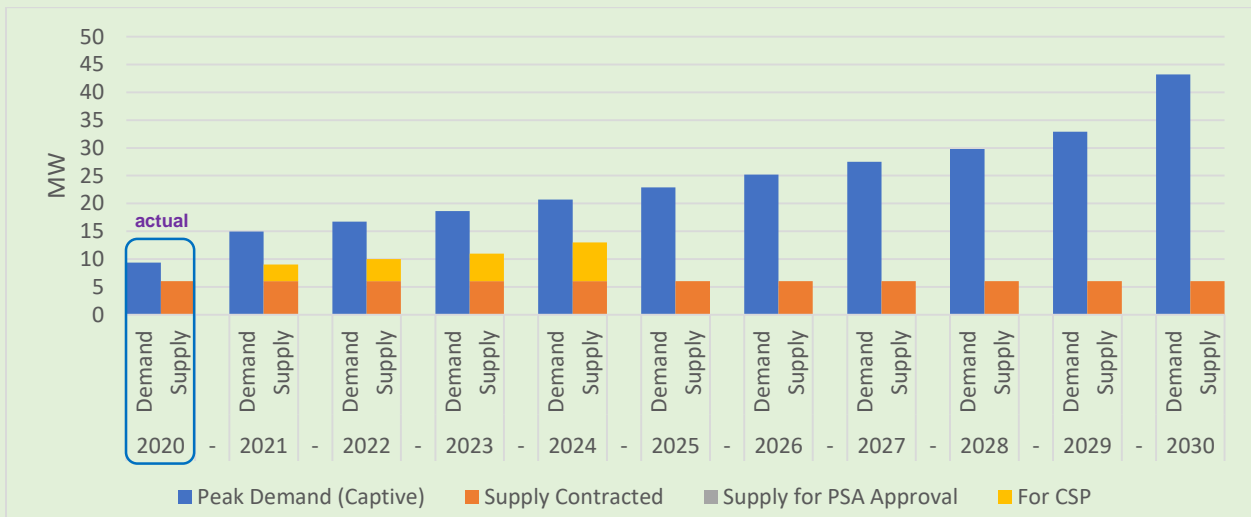
BENECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	83.28	79.54	81.07	83.96	86.84	89.73	92.61	95.50	98.38	101.27	104.16
Supply Contracted	55.00	55.00	55.00	55.00							
Supply for PSA Approval											
Uncontracted Requirements		24.54	26.07	28.96	86.84	89.73	92.61	95.50	98.38	101.27	104.16
Incremental Requirements			1.53	2.89	57.88	2.89	2.88	2.89	2.88	2.89	2.89
For CSP		-	-	-	70.00	70.00	-	-	-	-	-
CSP Schedule											
Baseload (2024-2025)					70.00	70.00					
Uncontracted Requirements after CSP		24.54	26.07	28.96	16.84	19.73	92.61	95.50	98.38	101.27	104.16
% - Uncontracted Requirements after CSP vs Peak Demand		30.85%	32.16%	34.49%	19.39%	21.99%	100.00%	100.00%	100.00%	100.00%	100.00%

Figure 7. Supply-Demand Profile of IFELCO



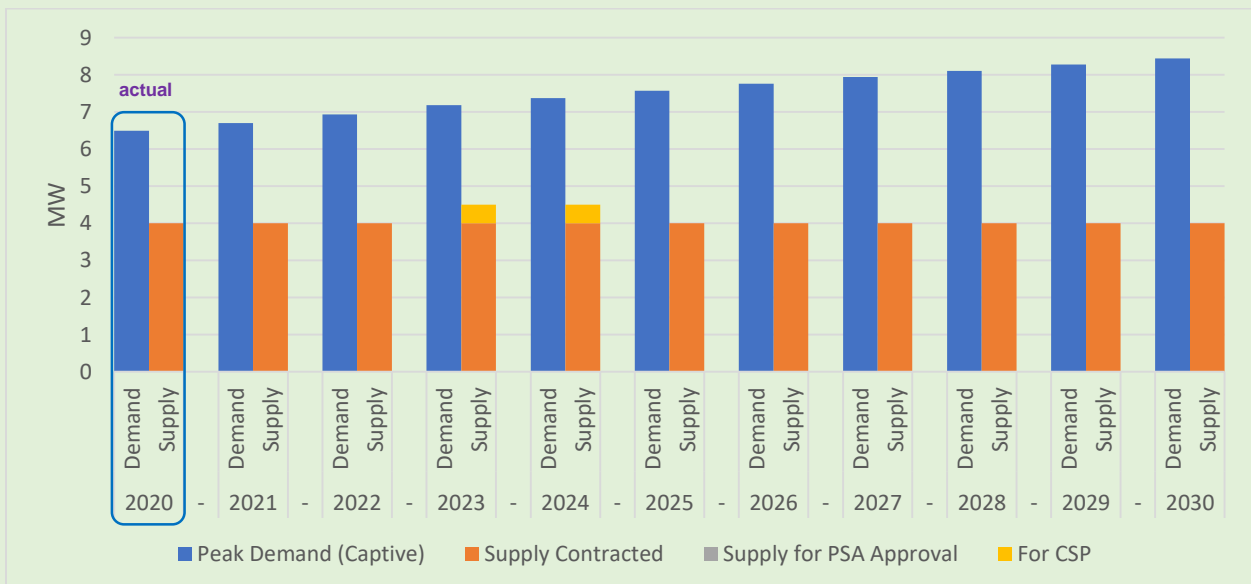
IFELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	7.38	7.54	7.75	7.93	8.09	8.23	8.35	8.47	8.57	8.66	8.75
Supply Contracted	5.70	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Supply for PSA Approval		7.34	7.55	7.73	7.89	8.03	8.15	8.27	8.37	8.46	8.55
Uncontracted Requirements		-	-	-	-	-	-	-	-	-	-
Incremental Requirements		-	-	-	-	-	-	-	-	-	-
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		-	-	-	-	-	-	-	-	-	-
% - Uncontracted Requirements after CSP vs Peak Demand		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Figure 8. Supply-Demand Profile of Kaelco



Kaelco	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	9.34	14.96	16.74	18.66	20.70	22.88	25.19	27.49	29.79	32.89	43.23
Supply Contracted	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Supply for PSA Approval											
Uncontracted Requirements		8.96	10.74	12.66	14.70	16.88	19.19	21.49	23.79	26.89	37.23
Incremental Requirements			1.78	1.92	2.04	2.18	2.31	2.30	2.30	3.10	10.34
For CSP		3.00	4.00	5.00	7.00	-	-	-	-	-	-
CSP Schedule											
Baseload (2024-2044)		3.00	4.00	5.00	7.00						
Uncontracted Requirements after CSP		5.96	6.74	7.66	7.70	16.88	19.19	21.49	23.79	26.89	37.23
% - Uncontracted Requirements after CSP vs Peak Demand		39.84%	40.26%	41.05%	37.20%	73.78%	76.18%	78.17%	79.86%	81.76%	86.12%

Figure 9. Supply-Demand Profile of MOPRECO

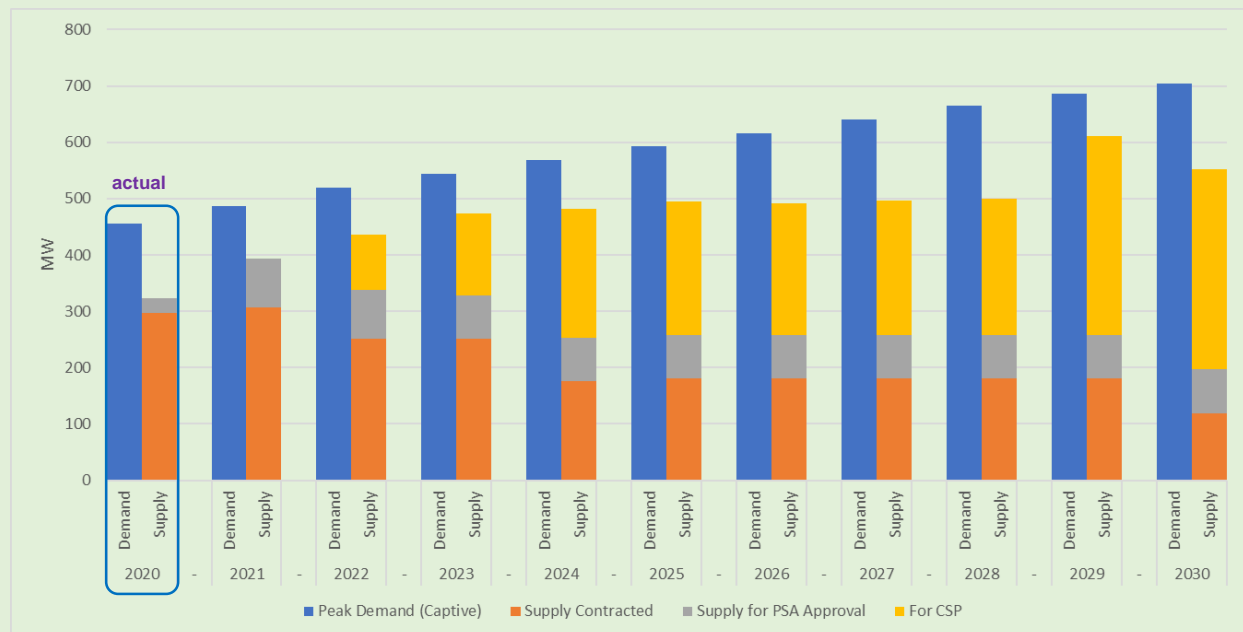


MOPRECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	6.49	6.70	6.93	7.18	7.37	7.57	7.76	7.94	8.11	8.28	8.44
Supply Contracted	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Supply for PSA Approval											
Uncontracted Requirements		2.70	2.93	3.18	3.37	3.57	3.76	3.94	4.11	4.28	4.44
Incremental Requirements			0.23	0.25	0.19	0.20	0.19	0.18	0.17	0.17	0.16
For CSP		-	-	0.50	0.50	-	-	-	-	-	-
CSP Schedule											
Peaking (2021-2023)				0.50	0.50						
Uncontracted Requirements after CSP		2.70	2.93	2.68	2.87	3.57	3.76	3.94	4.11	4.28	4.44
% - Uncontracted Requirements after CSP vs Peak Demand		40.30%	42.28%	37.33%	38.94%	47.16%	48.45%	49.62%	50.68%	51.69%	52.61%

➤ REGION I (ILOCOS REGION)

A non-coincident peak demand of 455.44 MW for its captive customers was recorded in Region I in 2020, and projected to increase from 486.58 MW in 2021 to 704.54 MW in 2030 with an AAGR of 4.47% for the entire planning period. Region I will have a supply deficit of 92.45 MW in 2021 and projected to grow annually.

Figure 10. Supply-Demand Profile of Region I DUs



Region I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	455.44	486.58	519.87	544.15	568.86	592.72	616.25	640.30	665.57	686.09	704.54
Supply Contracted	296.90	306.13	250.36	250.36	175.36	180.36	180.36	180.36	180.36	180.36	118.36
Supply for PSA Approval	27.00	88.00	88.00	78.00	78.00	78.00	78.00	78.00	78.00	78.00	78.00
Uncontracted Requirements		92.45	181.51	215.80	315.50	334.36	357.89	381.94	407.21	427.73	508.18
Incremental Requirements			89.06	34.28	99.71	18.86	23.53	24.05	25.27	20.52	80.45
For CSP		-	98.11	144.58	227.64	236.79	233.07	237.46	241.96	352.58	355.33
For CSP		-	98.11	144.58	227.64	236.79	233.07	237.46	241.96	352.58	355.33
Uncontracted Requirements after CSP		92.45	83.40	71.22	87.87	97.57	124.82	144.48	165.25	75.15	152.86
% - Uncontracted Requirements after CSP vs Peak Demand		19.00%	16.04%	13.09%	15.45%	16.46%	20.25%	22.56%	24.83%	10.95%	21.70%

For the ten-year planning horizon, Region I DUs has a schedule for CSP ranging from 98.11 MW to 355.33 MW. CENPELCO comprises majority of the requirements, followed by LUECO, PANELCO I and III, and DECORP. With the proposed CSPs, the uncontracted requirements of Region I will be reduced to 10.95% - 24.83% of the region's overall requirements.

The following are the Supply-Demand Profile of each DU in Region I:

Figure 11. Supply-Demand Profile of DECORP

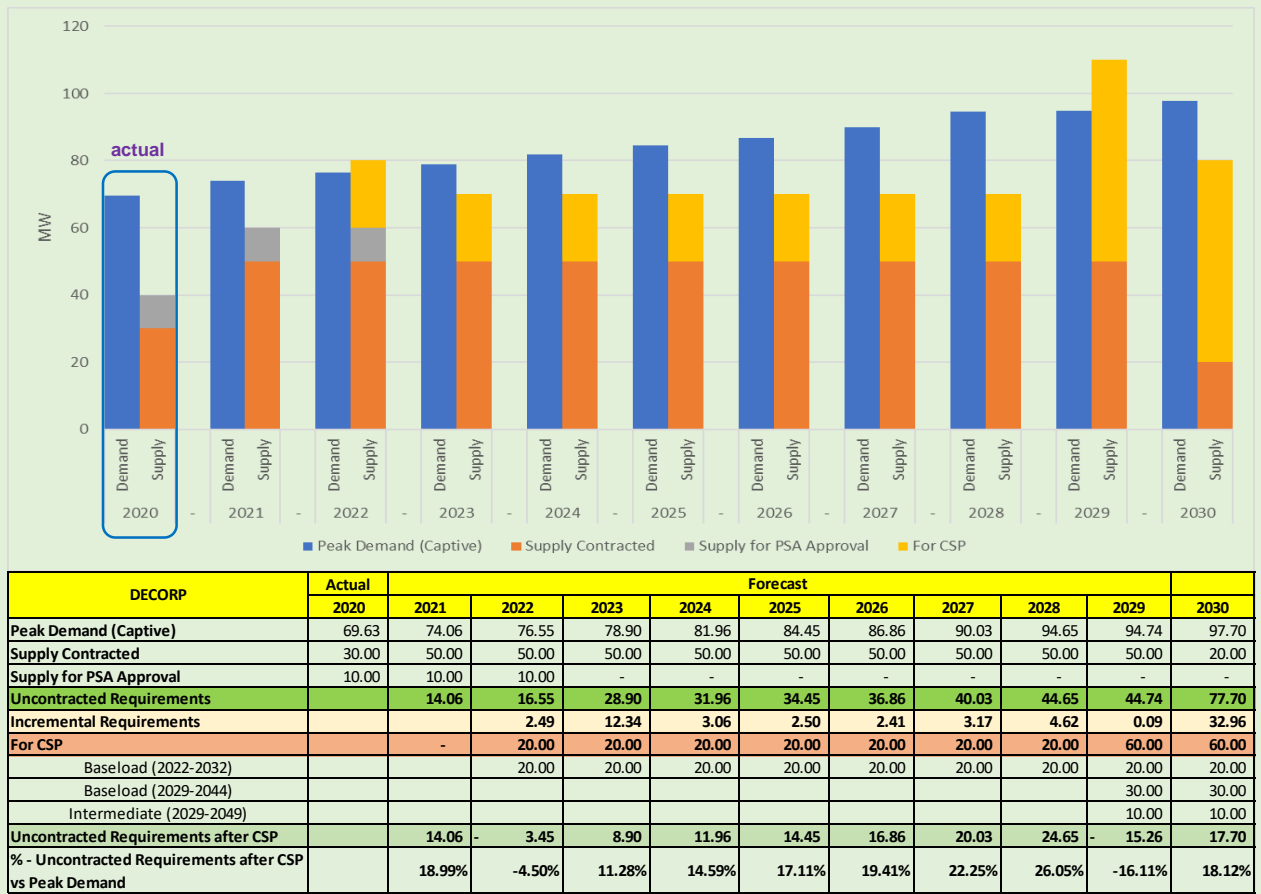
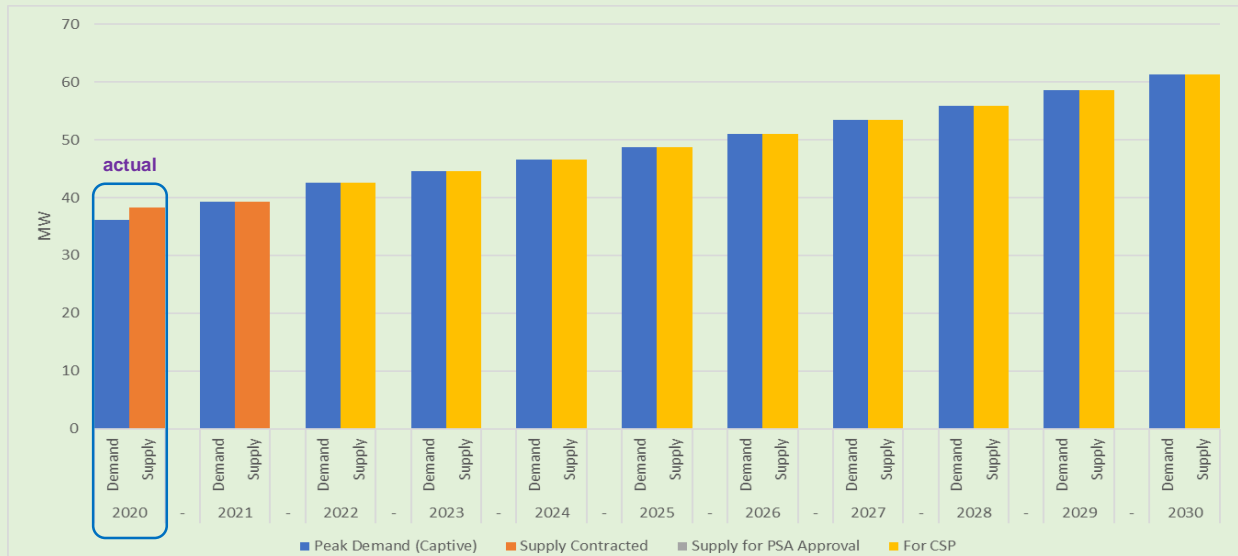
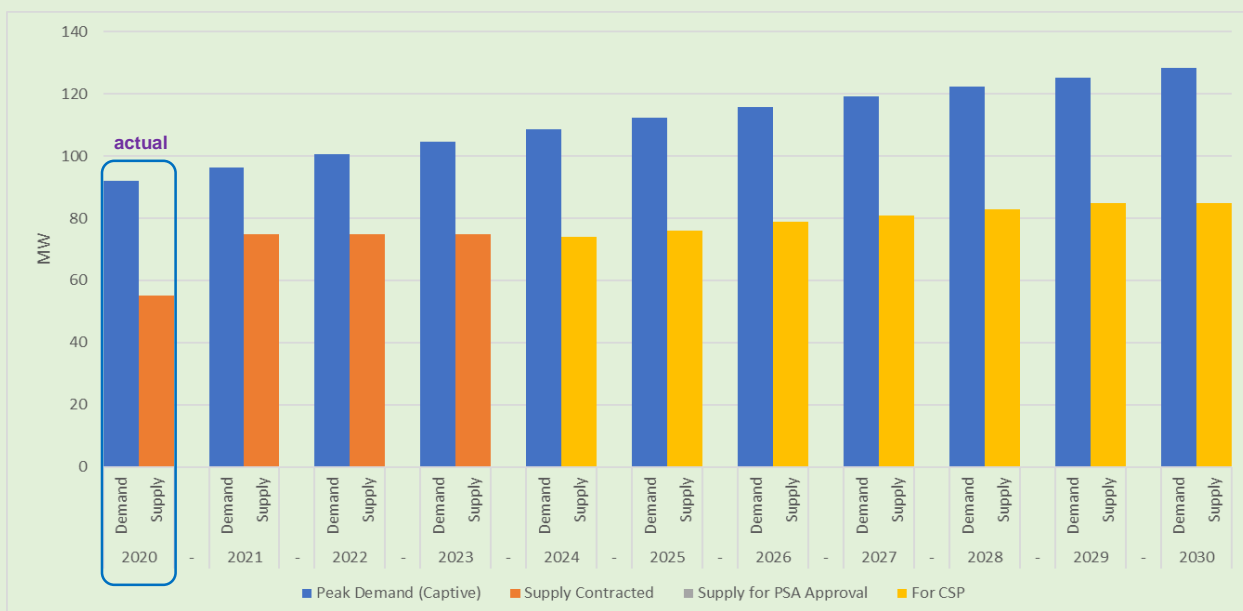


Figure 12. Supply-Demand Profile of LUECO



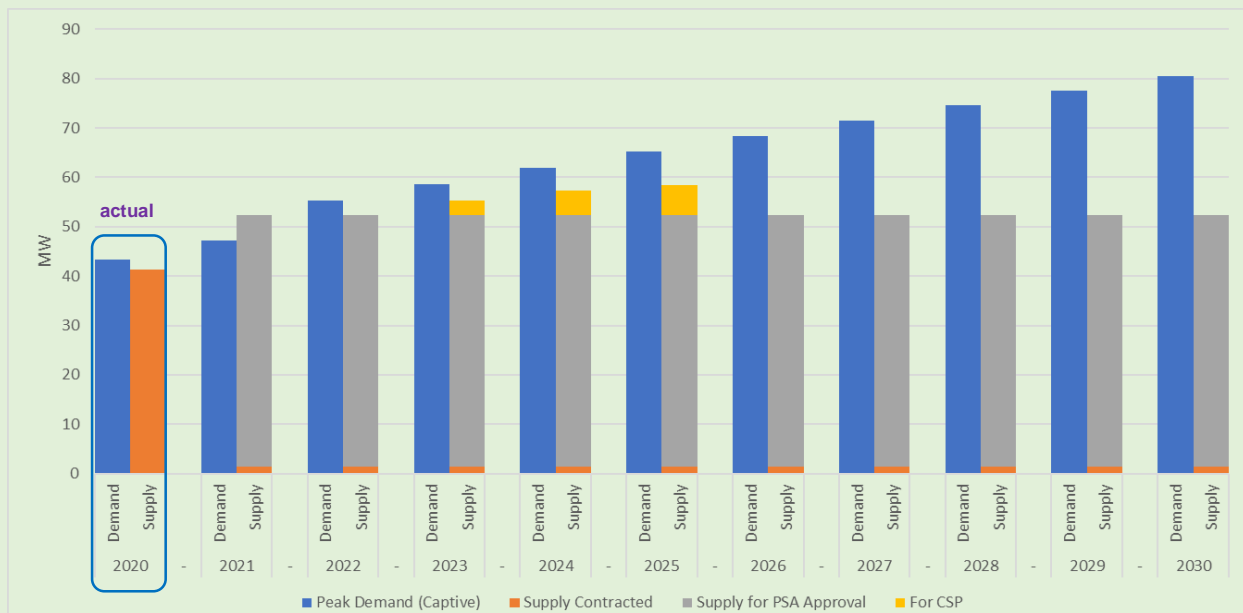
LUECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	36.20	39.28	42.61	44.58	46.64	48.79	51.07	53.46	55.96	58.58	61.33
Supply Contracted	38.31	39.28	-	-	-	-	-	-	-	-	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements	-	-	42.61	44.58	46.64	48.79	51.07	53.46	55.96	58.58	61.33
Incremental Requirements	-	-	42.61	1.97	2.06	2.15	2.28	2.39	2.50	2.62	2.74
For CSP	-	-	42.61	44.58	46.64	48.79	51.07	53.46	55.96	58.58	61.33
For CSP-Baseload (2021-2032)	-	-	42.61	44.58	46.64	48.79	51.07	53.46	55.96	58.58	61.33
Uncontracted Requirements after CSP	-	-	-	-	-	-	-	-	-	-	-
% - Uncontracted Requirements after CSP vs Peak Demand	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Figure 13. Supply-Demand Profile of CENPELCO



CENPELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	91.95	96.27	100.63	104.73	108.62	112.29	115.79	119.13	122.33	125.39	128.33
Supply Contracted	55.00	75.00	75.00	75.00	-	-	-	-	-	-	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		21.27	25.63	29.73	108.62	112.29	115.79	119.13	122.33	125.39	128.33
Incremental Requirements			4.36	4.10	78.88	3.68	3.50	3.34	3.20	3.06	2.94
For CSP		-	-	-	74.00	76.00	79.00	81.00	83.00	85.00	85.00
For CSP-Baseload (2023-2033)					61.00	58.00	57.00	55.00	51.00	48.00	48.00
For CSP-Baseload (2023-2033)					13.00	18.00	22.00	26.00	32.00	37.00	37.00
Uncontracted Requirements after CSP		21.27	25.63	29.73	34.62	36.29	36.79	38.13	39.33	40.39	43.33
% - Uncontracted Requirements after CSP vs Peak Demand		22.09%	25.47%	28.39%	31.87%	32.32%	31.77%	32.01%	32.15%	32.21%	33.76%

Figure 14. Supply-Demand Profile of INEC



INEC	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	43.25	47.29	55.31	58.65	61.94	65.18	68.37	71.50	74.58	77.60	80.57
Supply Contracted	41.35	1.43	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36
Supply for PSA Approval	-	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00	51.00
Uncontracted Requirements		5.13	2.95	6.29	9.59	12.83	16.01	19.14	22.22	25.24	28.22
Incremental Requirements			8.08	3.34	3.29	3.24	3.19	3.13	3.08	3.02	2.97
For CSP		-	-	3.00	5.00	6.00	-	-	-	-	-
For CSP-Baseload (2023-2025)				3.00	5.00	6.00					
Uncontracted Requirements after CSP		5.13	2.95	3.29	4.59	6.83	16.01	19.14	22.22	25.24	28.22
% - Uncontracted Requirements after CSP vs Peak Demand		-10.86%	5.33%	5.61%	7.40%	10.47%	23.42%	26.77%	29.80%	32.53%	35.02%

Figure 15. Supply-Demand Profile of ISECO



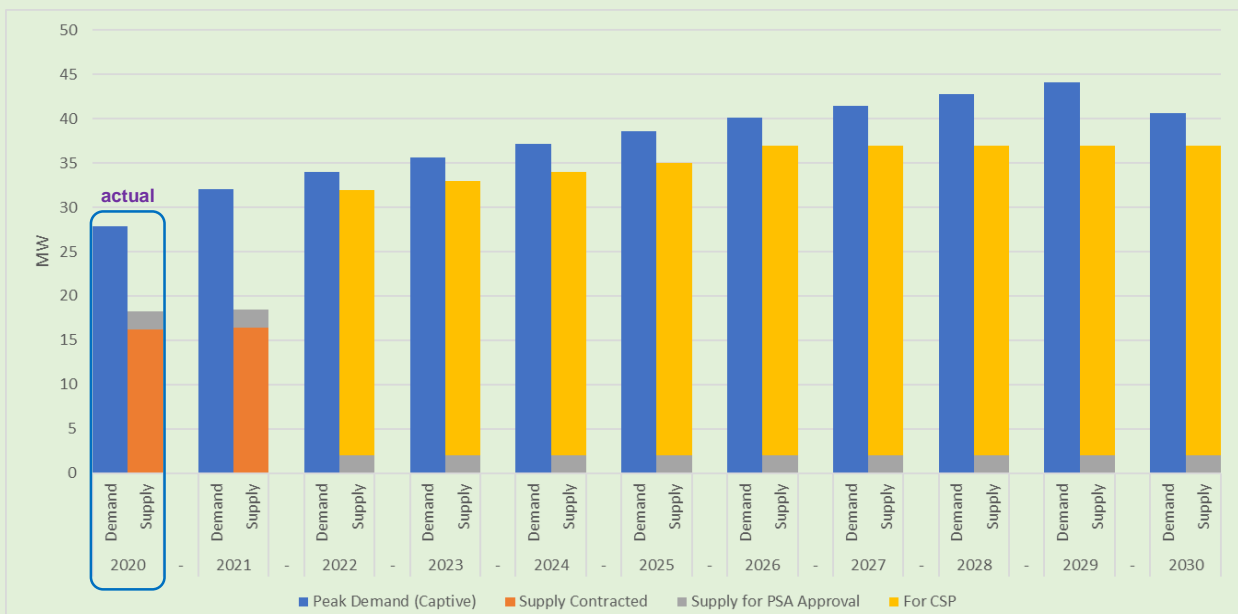
ISECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	57.86	59.06	63.59	65.94	68.29	70.64	72.99	75.33	77.68	80.03	82.38
Supply Contracted	40.00	44.00	44.00	44.00	44.00	44.00	44.00	44.00	44.00	44.00	39.00
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		15.06	19.59	21.94	24.29	26.64	28.99	31.33	33.68	36.03	43.38
Incremental Requirements			4.53	2.35	2.35	2.35	2.35	2.35	2.35	2.35	7.35
For CSP			-	3.50	5.00	7.00	8.00	11.00	11.00	11.00	11.00
For CSP-Baseload (2022)			3.50								
For CSP-Baseload (2023)				5.00							
For CSP-Baseload (2024)					7.00						
For CSP-Baseload (2025)						8.00					
For CSP-Baseload (2026-2045)							11.00	11.00	11.00	11.00	11.00
Uncontracted Requirements after CSP		15.06	16.09	16.94	17.29	18.64	17.99	20.33	22.68	25.03	32.38
% - Uncontracted Requirements after CSP vs Peak Demand		25.50%	25.31%	25.69%	25.32%	26.38%	24.64%	26.99%	29.20%	31.28%	39.30%

Figure 16. Supply-Demand Profile of LUELCO



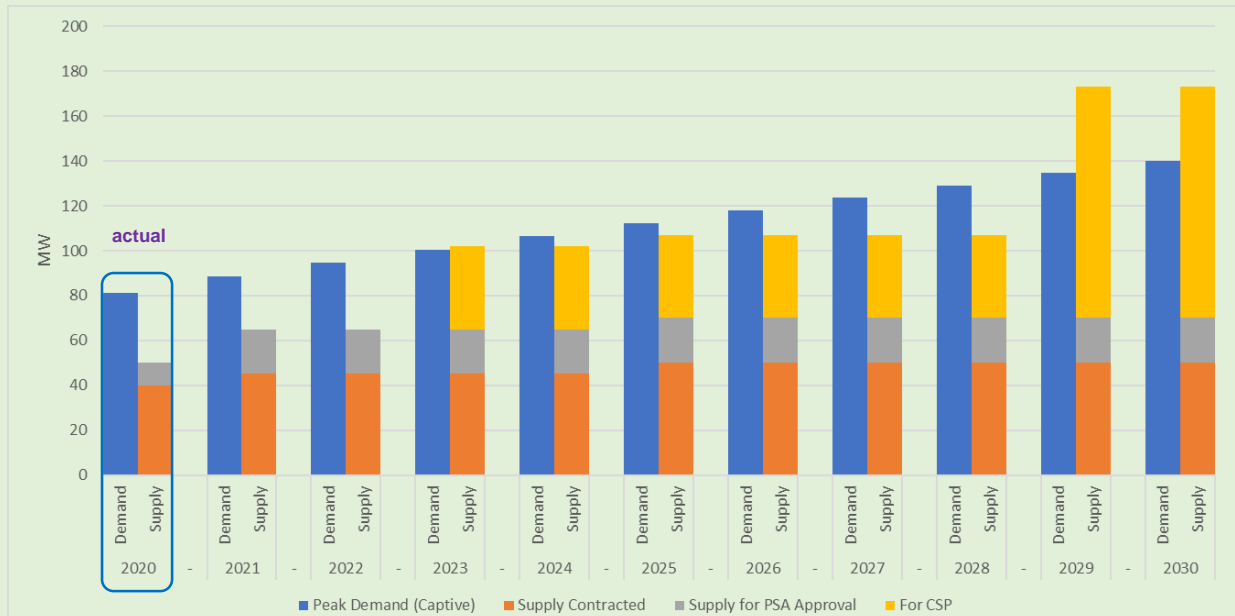
LUELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	47.59	49.96	52.60	55.24	57.87	60.49	63.11	65.71	68.31	70.91	73.49
Supply Contracted	36.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	8.00
Supply for PSA Approval	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Uncontracted Requirements		9.96	12.60	15.24	17.87	20.49	23.11	25.71	28.31	30.91	60.49
Incremental Requirements			2.64	2.64	2.63	2.62	2.62	2.61	2.60	2.59	29.58
For CSP		-	2.00	4.00	6.00	8.00	-	-	-	-	-
For CSP-Baseload (2022-2025)			2.00	4.00	6.00	8.00					
Uncontracted Requirements after CSP		9.96	10.60	11.24	11.87	12.49	23.11	25.71	28.31	30.91	60.49
% - Uncontracted Requirements after CSP vs Peak Demand		19.93%	20.15%	20.34%	20.51%	20.65%	36.61%	39.13%	41.45%	43.59%	82.31%

Figure 17. Supply-Demand Profile of PANELCO I



PANELCO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	27.91	32.10	34.03	35.62	37.16	38.65	40.09	41.48	42.82	44.11	40.60
Supply Contracted	16.24	16.42	-	-	-	-	-	-	-	-	-
Supply for PSA Approval	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Uncontracted Requirements		13.68	32.03	33.62	35.16	36.65	38.09	39.48	40.82	42.11	38.60
Incremental Requirements			18.36	1.59	1.54	1.49	1.44	1.39	1.34	1.29	3.51
For CSP		-	30.00	31.00	32.00	33.00	35.00	35.00	35.00	35.00	35.00
For CSP-Peaking (2022-2037)			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
For CSP-Peaking (2022-2037)			5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
For CSP-Baseload (2022-2025)			24.00	25.00	26.00	27.00					
For CSP-Peaking (2025-2036)							29.00	29.00	29.00	29.00	29.00
Uncontracted Requirements after CSP		13.68	2.03	2.62	3.16	3.65	3.09	4.48	5.82	7.11	3.60
% - Uncontracted Requirements after CSP vs Peak Demand		42.61%	5.98%	7.36%	8.50%	9.44%	7.70%	10.79%	13.59%	16.12%	8.87%

Figure 18. Supply-Demand Profile of PANELCO III

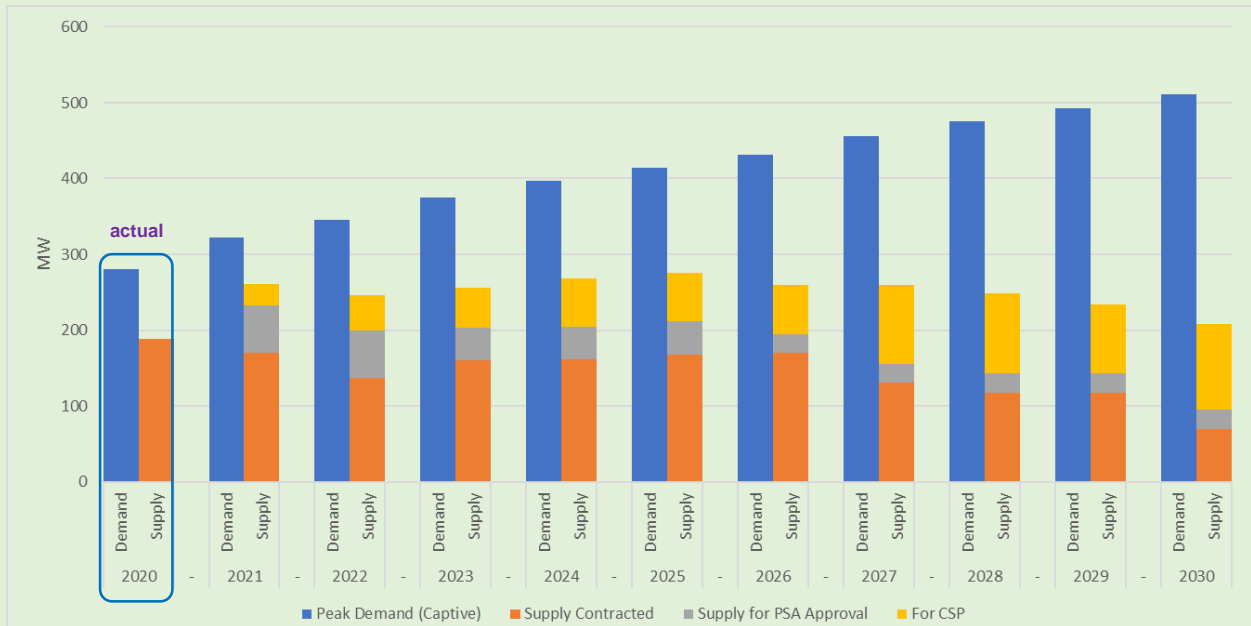


PANELCO III	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	81.06	88.56	94.54	100.49	106.39	112.23	117.98	123.65	129.23	134.73	140.14
Supply Contracted	40.00	45.00	45.00	45.00	45.00	50.00	50.00	50.00	50.00	50.00	50.00
Supply for PSA Approval	10.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Uncontracted Requirements		23.56	29.54	35.49	41.39	42.23	47.98	53.65	59.23	64.73	70.14
Incremental Requirements			5.98	5.95	5.90	0.83	5.75	5.67	5.58	5.50	5.41
For CSP		-	-	37.00	37.00	37.00	37.00	37.00	37.00	103.00	103.00
For CSP-Baseload (2023-2042)				37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00
For CSP-Intermediate (2029-2043)										66.00	66.00
Uncontracted Requirements after CSP		23.56	29.54	1.51	4.39	5.23	10.98	16.65	22.23	38.27	32.86
% - Uncontracted Requirements after CSP vs Peak Demand		26.61%	31.25%	-1.50%	4.13%	4.66%	9.31%	13.47%	17.20%	-28.40%	-23.44%

➤ **REGION II (CAGAYAN VALLEY)**

The DUs in Region II registered a non-coincident peak demand of 280.06 MW for its captive customers in 2020, which was forecasted to increase from 322.30 MW in 2021 to 510.50 MW in 2030 with an AAGR of 6.26% for the ten-year planning horizon. Cagayan Valley will have a supply deficit of 90.32 MW in 2021 and projected to grow annually.

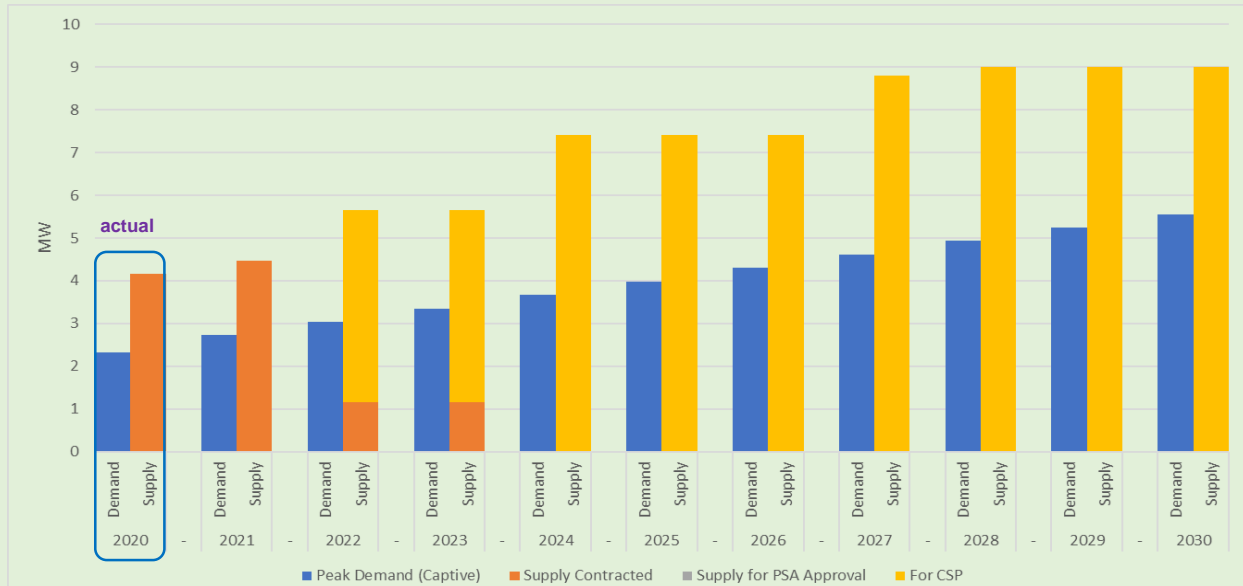
Figure 19. Supply-Demand Profile of Region II DUs



Region II - Main Grid	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	280.06	322.30	345.86	374.41	396.88	413.82	430.96	455.28	475.11	493.17	510.50
Supply Contracted	188.38	169.98	137.24	160.33	161.71	168.09	169.48	130.70	117.70	117.70	69.70
Supply for PSA Approval	-	62.00	62.00	43.00	43.00	43.00	25.00	25.00	25.00	25.00	25.00
Uncontracted Requirements		90.32	146.62	171.08	192.17	202.73	236.48	299.58	332.41	350.47	415.80
Incremental Requirements			56.30	24.46	21.08	10.56	33.75	63.10	32.83	18.06	65.33
For CSP		29.00	46.25	51.90	63.86	64.51	65.16	104.22	106.00	91.44	113.15
For CSP		29.00	46.25	51.90	63.86	64.51	65.16	104.22	106.00	91.44	113.15
Uncontracted Requirements after CSP		61.32	100.37	119.18	128.31	138.22	171.32	195.36	226.41	259.04	302.65
% - Uncontracted Requirements after CSP vs Peak Demand		19.03%	29.02%	31.83%	32.33%	33.40%	39.75%	42.91%	47.66%	52.52%	59.29%

For the entire planning period, Region II DUs has a schedule for CSP ranging from 29.00 MW to 113.15 MW. Among the six grid DUs in the region, only CAGELCO I has no planned CSP while NUVELCO's requirements will be needed starting 2027. With the proposed CSPs, the uncontracted requirements of Region II will be reduced to 19.03% - 59.29% of the region's overall requirements.

Figure 20. Supply-Demand Profile of Region II DUs – Off-Grid



Region II Off-grid	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	2.32	2.72	3.03	3.35	3.66	3.98	4.30	4.62	4.93	5.24	5.55
Supply Contracted	4.16	4.46	1.16	1.16	-	-	-	-	-	-	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements	-	1.74	1.87	2.19	3.66	3.98	4.30	4.62	4.93	5.24	5.55
Incremental Requirements	-	-	3.61	0.31	1.48	0.32	0.32	0.32	0.31	0.31	0.31
For CSP	-	-	4.50	4.50	7.42	7.42	7.42	8.80	9.00	9.00	9.00
For CSP	-	-	4.50	4.50	7.42	7.42	7.42	8.80	9.00	9.00	9.00
Uncontracted Requirements after CSP	-	1.74	2.63	2.32	3.76	3.44	3.12	4.19	4.07	3.76	3.45
% - Uncontracted Requirements after CSP vs Peak Demand	-	-63.97%	-86.68%	-69.21%	-102.57%	-86.39%	-72.56%	-90.68%	-82.59%	-71.76%	-62.16%

Figure 20 shows the combined data of the Batan Island, Itbayat Island and Sabtang Island under BATANELCO, all of which are being supplied by the NPC.

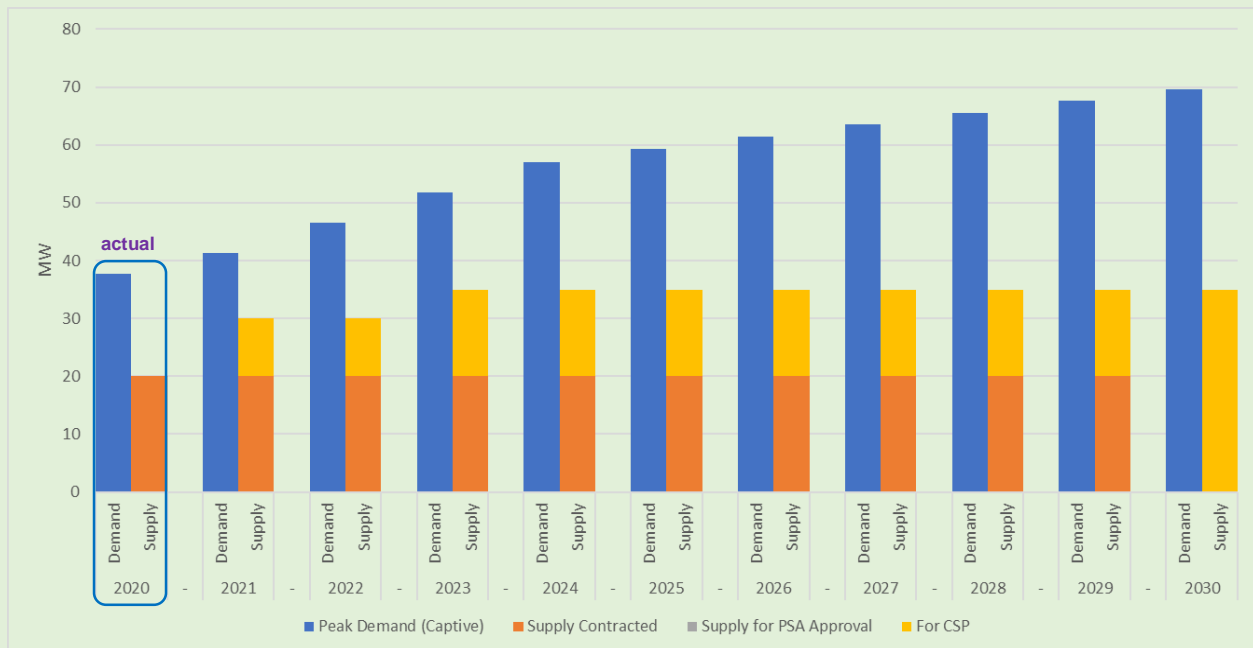
The following are the Supply-Demand Profile of each DU in Region II:

Figure 21. Supply-Demand Profile of CAGELCO I



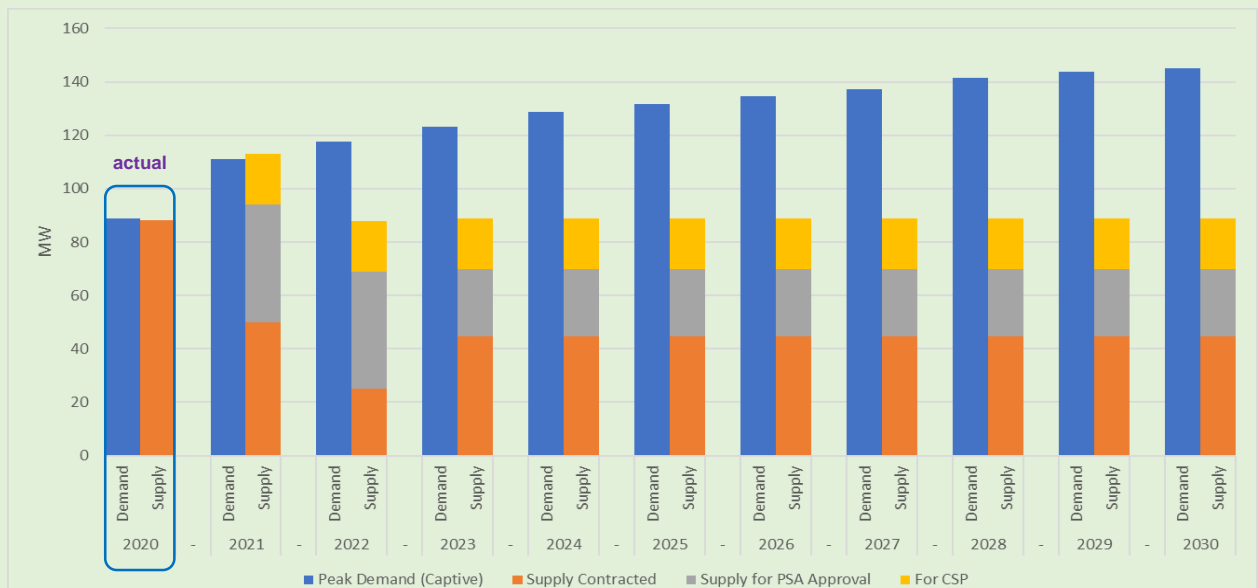
CAGELCO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	59.63	69.52	74.55	85.19	89.01	92.78	96.49	107.72	111.39	115.00	118.54
Supply Contracted	40.50	41.00	41.00	41.00	41.00	41.00	41.00	41.00	28.00	28.00	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements	-	28.52	33.55	44.19	48.01	51.78	55.49	66.72	83.39	87.00	118.54
Incremental Requirements	-	-	5.03	10.64	3.82	3.77	3.71	11.23	16.67	3.61	31.55
For CSP	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements after CSP	-	28.52	33.55	44.19	48.01	51.78	55.49	66.72	83.39	87.00	118.54
% - Uncontracted Requirements after CSP vs Peak Demand	-	41.02%	45.00%	51.87%	53.94%	55.81%	57.51%	61.94%	74.86%	75.65%	100.00%

Figure 22. Supply-Demand Profile of CAGELCO II



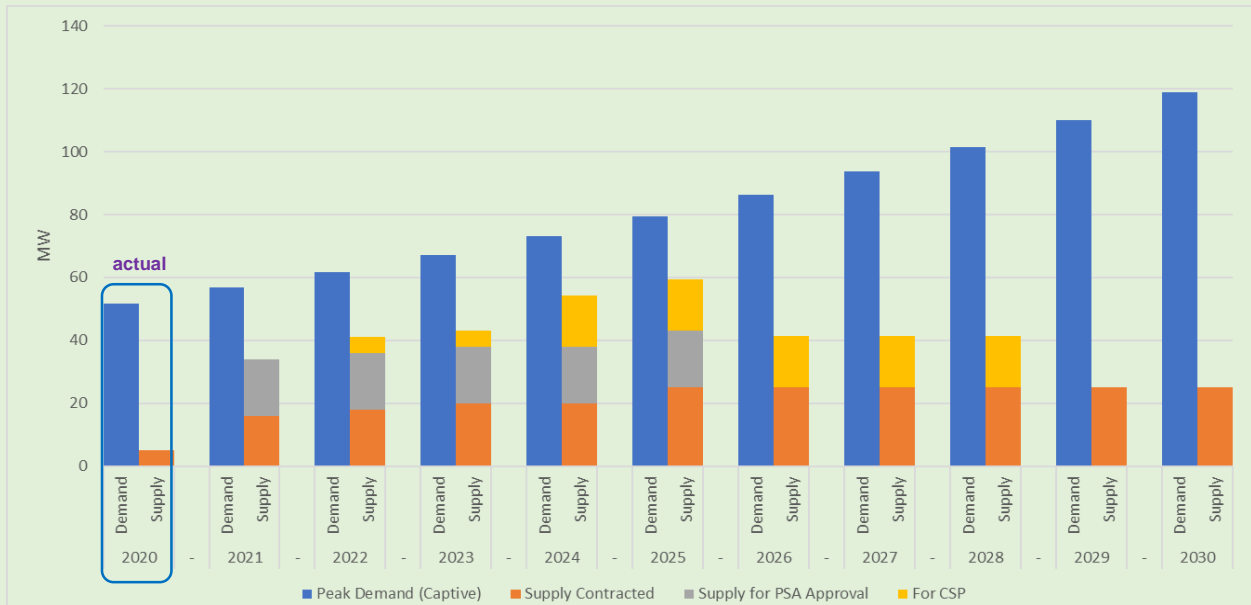
CAGELCO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	37.77	41.28	46.55	51.80	57.03	59.23	61.39	63.51	65.58	67.62	69.61
Supply Contracted	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		21.28	26.55	31.80	37.03	39.23	41.39	43.51	45.58	47.62	69.61
Incremental Requirements			5.27	5.25	5.23	2.20	2.16	2.12	2.08	2.04	21.99
For CSP		10.00	10.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	35.00
For CSP-Baseload (2021-2022)		10.00	10.00								
For CSP-Baseload (2023-2037)				15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
For CSP-Baseload (2030-2044)											20.00
Uncontracted Requirements after CSP		11.28	16.55	16.80	22.03	24.23	26.39	28.51	30.58	32.62	34.61
% - Uncontracted Requirements after CSP vs Peak Demand		27.32%	35.55%	32.43%	38.63%	40.91%	42.98%	44.89%	46.63%	48.24%	49.72%

Figure 23. Supply-Demand Profile of ISELCO I



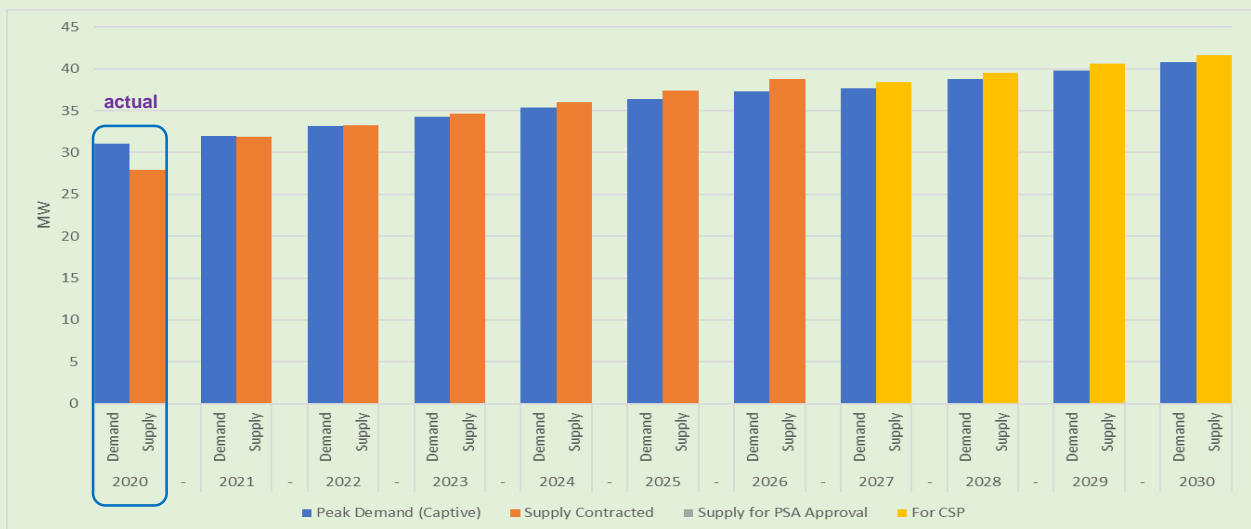
ISELCO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	88.73	111.08	117.60	123.08	128.89	131.82	134.58	137.17	141.52	143.82	144.97
Supply Contracted	88.27	50.00	25.00	44.70	44.70	44.70	44.70	44.70	44.70	44.70	44.70
Supply for PSA Approval	-	44.00	44.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Uncontracted Requirements		17.08	48.60	53.38	59.19	62.12	64.88	67.47	71.82	74.12	75.27
Incremental Requirements			31.51	4.78	5.81	2.93	2.76	2.60	4.34	2.30	1.15
For CSP		19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
For CSP-Intermediate (2021-2031)		19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
Uncontracted Requirements after CSP		-1.92	29.60	34.38	40.19	43.12	45.88	48.47	52.82	55.12	56.27
% - Uncontracted Requirements after CSP vs Peak Demand		-1.72%	25.17%	27.93%	31.18%	32.71%	34.09%	35.34%	37.32%	38.33%	38.82%

Figure 24. Supply-Demand Profile of ISELCO II



ISELCO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	51.77	56.88	61.76	67.14	73.02	79.40	86.30	93.71	101.63	110.07	119.04
Supply Contracted	5.00	16.00	18.00	20.00	20.00	25.00	25.00	25.00	25.00	25.00	25.00
Supply for PSA Approval	-	18.00	18.00	18.00	18.00	18.00	-	-	-	-	-
Uncontracted Requirements		22.88	25.76	29.14	35.02	36.40	61.30	68.71	76.63	85.07	94.04
Incremental Requirements			2.88	3.38	5.88	1.38	24.90	7.41	7.92	8.44	8.96
For CSP		-	5.00	5.00	16.30	16.30	16.30	16.30	16.30	-	-
For CSP-Baseload (2022-2037)			5.00	5.00	5.00	5.00	5.00	5.00	5.00		
For CSP-Baseload (2024-2039)					11.30	11.30	11.30	11.30	11.30		
Uncontracted Requirements after CSP		22.88	20.76	24.14	18.72	20.10	45.00	52.41	60.33	85.07	94.04
% - Uncontracted Requirements after CSP vs Peak Demand		40.22%	33.62%	35.95%	25.63%	25.32%	52.14%	55.93%	59.36%	77.29%	79.00%

Figure 25. Supply-Demand Profile of NUVELCO



NUVELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	31.09	31.95	33.16	34.30	35.37	36.38	37.35	37.65	38.82	39.84	40.85
Supply Contracted	27.97	31.86	33.24	34.63	36.01	37.39	38.78	-	-	-	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		0.09	0.08	0.33	0.64	1.01	1.43	37.65	38.82	39.84	40.85
Incremental Requirements			0.17	0.25	0.31	0.37	0.42	39.09	1.16	1.02	1.02
For CSP		-	-	-	-	-	-	38.41	39.52	40.61	41.67
For CSP-Baseload (2027-2037)								38.41	39.52	40.61	41.67
Uncontracted Requirements after CSP		0.09	0.08	0.33	0.64	1.01	1.43	0.75	0.71	0.78	0.82
% - Uncontracted Requirements after CSP vs Peak Demand		0.27%	-0.26%	-0.96%	-1.81%	-2.77%	-3.84%	-2.00%	-1.82%	-1.95%	-2.00%

Figure 26. Supply-Demand Profile of QUIRELCO

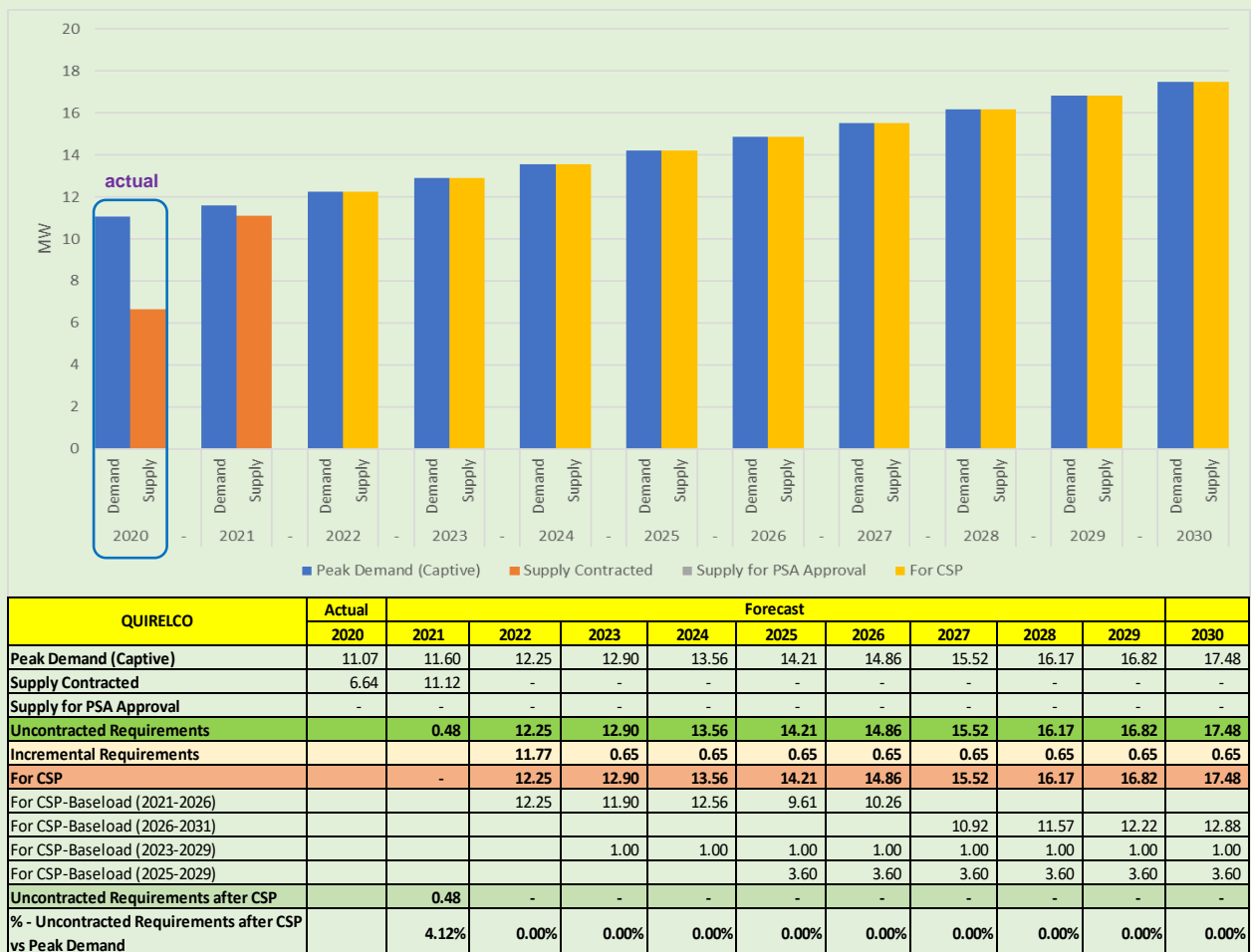
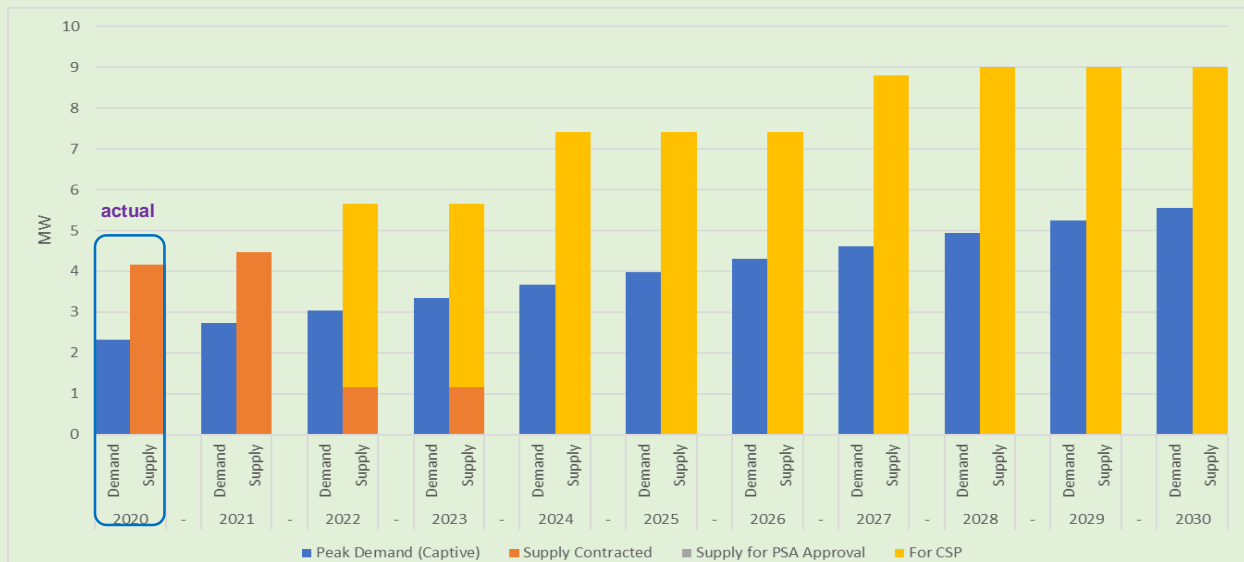


Figure 27. Supply-Demand Profile of BATANELCO

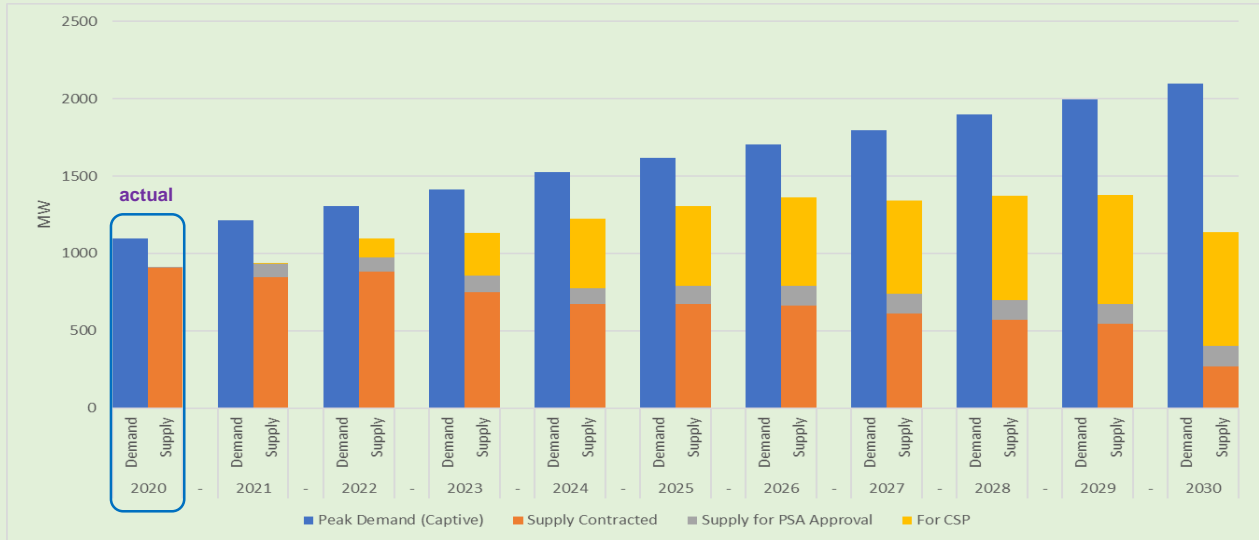


BATANELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	2.32	2.72	3.03	3.35	3.66	3.98	4.30	4.62	4.93	5.24	5.55
Supply Contracted	4.16	4.46	1.16	1.16	-	-	-	-	-	-	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements	-	1.74	1.87	2.19	3.66	3.98	4.30	4.62	4.93	5.24	5.55
Incremental Requirements	-	-	3.61	0.31	1.48	0.32	0.32	0.32	0.31	0.31	0.31
For CSP	-	-	4.50	4.50	7.42	7.42	7.42	8.80	9.00	9.00	9.00
BATANELCO-BATAN	-	-	4.50	4.50	6.00	6.00	6.00	7.00	7.00	7.00	7.00
BATANELCO-ITBAYAT	-	-	-	-	0.80	0.80	0.80	0.80	1.00	1.00	1.00
BATANELCO-SABTANG	-	-	-	-	0.62	0.62	0.62	1.00	1.00	1.00	1.00
Uncontracted Requirements after CSP	-	1.74	2.63	2.32	3.76	3.44	3.12	4.19	4.07	3.76	3.45
% - Uncontracted Requirements after CSP vs Peak Demand	-	-63.97%	-86.68%	-69.21%	-102.57%	-86.39%	-72.56%	-90.68%	-82.59%	-71.76%	-62.16%

➤ **REGION III (CENTRAL LUZON)**

Region III DUs' registered a non-coincident peak demand of 1,098.44 MW for its captive customers in 2020, which was forecasted to increase from 1,213.37 MW in 2021 to 2,100.14 MW in 2030 with an AAGR of 6.71% for the entire planning horizon. Central Luzon will have a supply deficit of 279.55 MW in 2021 and projected to grow annually.

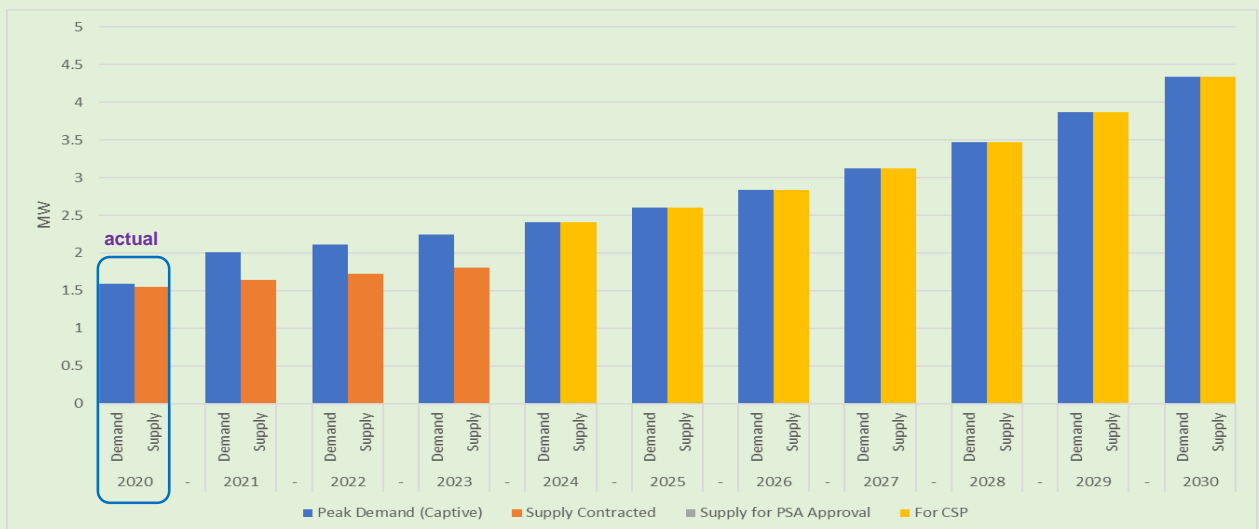
Figure 28. Supply-Demand Profile of Region III DUs



Region III - Grid	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	1,098.44	1,213.37	1,304.44	1,411.87	1,523.86	1,616.19	1,706.85	1,799.38	1,898.83	1,996.25	2,100.14
Supply Contracted	906.67	846.82	883.98	751.40	672.59	674.27	663.27	609.39	568.39	543.48	270.48
Supply for PSA Approval	5.00	87.00	88.00	103.00	104.00	118.00	128.00	128.00	129.00	130.00	130.00
Uncontracted Requirements		279.55	332.47	557.47	747.27	823.92	915.58	1,061.99	1,201.44	1,322.77	1,699.66
Incremental Requirements			52.92	225.00	189.80	76.65	91.66	146.41	139.45	121.33	376.89
For CSP		5.00	127.00	278.00	447.02	515.43	571.32	604.16	675.32	706.81	735.76
		5.00	127.00	278.00	447.02	515.43	571.32	604.16	675.32	706.81	735.76
Uncontracted Requirements after CSP		274.55	205.47	279.47	300.26	308.49	344.26	457.83	526.12	615.96	963.90
% - Uncontracted Requirements after CSP vs Peak Demand		22.63%	15.75%	19.79%	19.70%	19.09%	20.17%	25.44%	27.71%	30.86%	45.90%

For the entire planning period, Region III DUs has a schedule for CSP ranging from 5.0 MW to 735.76 MW. With the proposed CSPs, the uncontracted requirements of Central Luzon will be reduced to 15.75% - 45.90% of the region's overall requirements.

Figure 29. Supply-Demand Profile of Region III DUs – Off-Grid

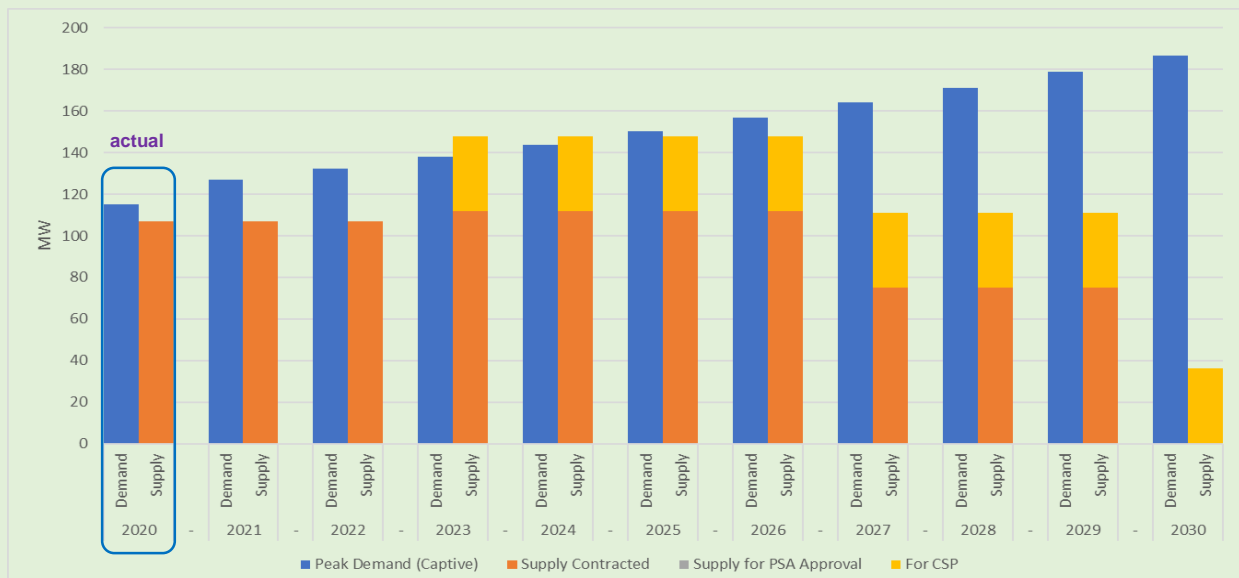


Region III - SIIG	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	9.11	11.71	12.66	13.59	14.49	15.38	16.24	17.08	17.90	18.70	19.48
Supply Contracted	1.55	1.64	1.72	1.80	-	-	-	-	-	-	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		10.07	10.94	11.79	14.49	15.38	16.24	17.08	17.90	18.70	19.48
Incremental Requirements			0.87	0.84	2.71	0.88	0.86	0.84	0.82	0.80	0.78
For CSP			-	-	2.40	2.60	2.84	3.13	3.47	3.87	4.34
For CSP					2.40	2.60	2.84	3.13	3.47	3.87	4.34
Uncontracted Requirements after CSP		10.07	10.94	11.79	12.09	12.78	13.40	13.95	14.43	14.83	15.14
% - Uncontracted Requirements after CSP vs Peak Demand		86.01%	86.40%	86.72%	83.41%	83.09%	82.51%	81.69%	80.62%	79.30%	77.71%

Figure 29 shows the Supply and Demand Profile of DICADIDI, a small-island isolated grid under AURELCO which is being supplied by NPC.

The following are the Supply-Demand Profile of each DU in Region III (Central Luzon):

Figure 30. Supply-Demand Profile of AEC



AEC	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	115.28	126.86	132.37	138.12	143.73	150.38	156.92	164.04	170.96	178.87	186.64
Supply Contracted	107.00	107.00	107.00	112.00	112.00	112.00	112.00	75.00	75.00	75.00	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		19.86	25.37	26.12	31.73	38.38	44.92	89.04	95.96	103.87	186.64
Incremental Requirements			5.51	0.75	5.61	6.65	6.53	44.13	6.92	7.91	82.77
For CSP			-	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00
For CSP-Peaking (2022-2032)				36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00
Uncontracted Requirements after CSP		19.86	25.37	9.88	4.27	2.38	8.92	53.04	59.96	67.87	150.64
% - Uncontracted Requirements after CSP vs Peak Demand		15.66%	19.17%	-7.15%	-2.97%	1.59%	5.68%	32.33%	35.07%	37.94%	80.71%

Figure 31. Supply-Demand Profile of CEDC

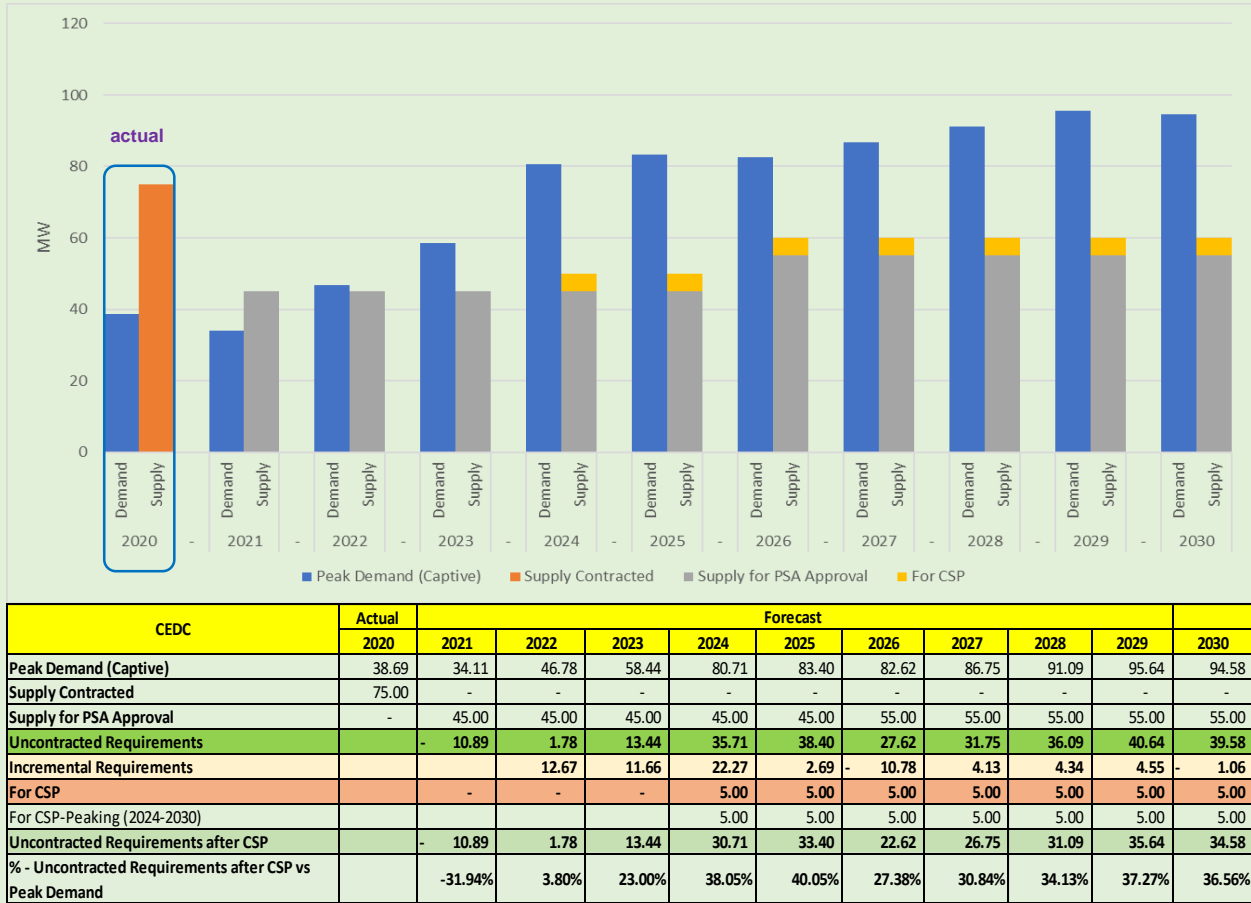
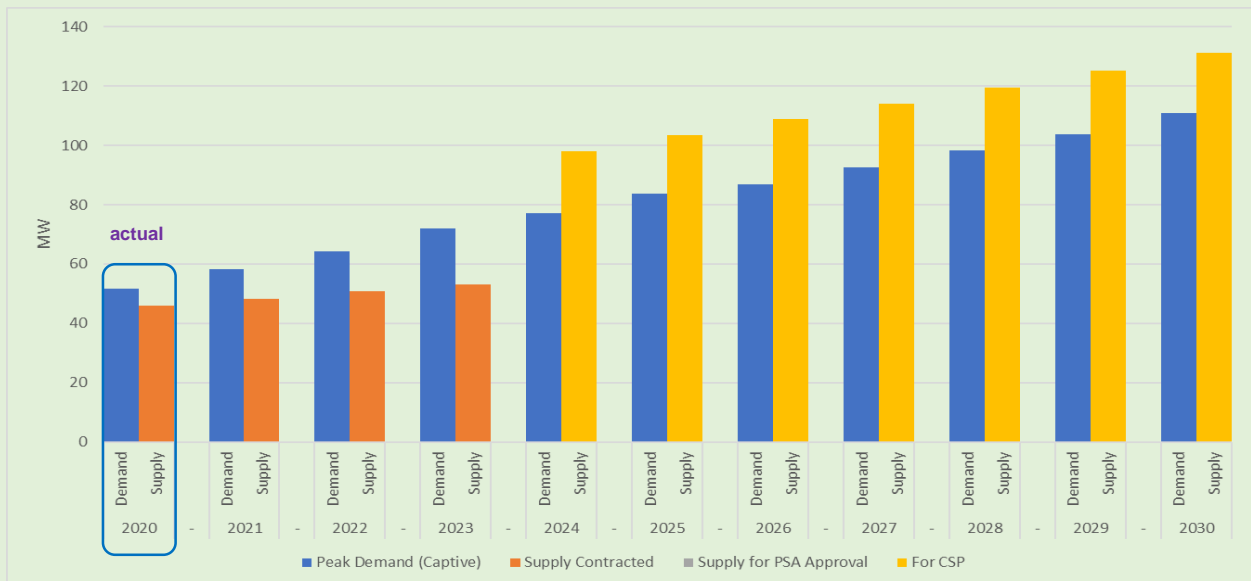
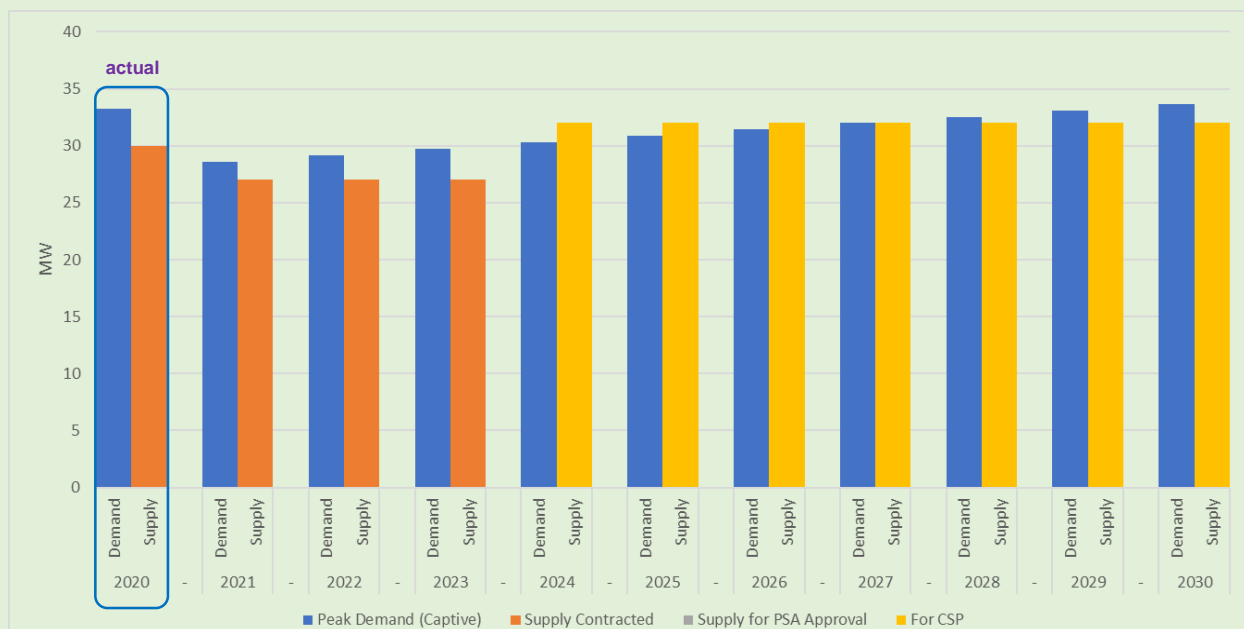


Figure 32. Supply-Demand Profile of CELCOR



CELCOR	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	51.65	58.39	64.24	71.99	77.22	83.84	87.01	92.65	98.25	103.87	110.95
Supply Contracted	46.00	48.30	50.80	53.20	-	-	-	-	-	-	-
SN Aboitiz Power - Benguet Inc.	46.00	48.30	50.80	53.20	-	-	-	-	-	-	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements	-	10.09	13.44	18.79	77.22	83.84	87.01	92.65	98.25	103.87	110.95
Incremental Requirements	-	-	3.34	5.35	58.44	6.62	3.16	5.64	5.60	5.61	7.08
For CSP	-	-	-	-	98.02	103.44	108.89	114.14	119.60	125.28	131.33
For CSP-Baseload (2024-2033)	-	-	-	-	78.02	83.44	88.89	94.14	99.60	105.28	111.33
For CSP-Peaking (2024-2033)	-	-	-	-	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Uncontracted Requirements after CSP	-	10.09	13.44	18.79	20.79	19.59	21.88	21.49	21.35	21.41	20.38
% - Uncontracted Requirements after CSP vs Peak Demand	-	17.28%	20.92%	26.10%	-26.92%	-23.37%	-25.15%	-23.19%	-21.73%	-20.62%	-18.37%

Figure 33. Supply-Demand Profile of OEDC



OEDC	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	33.22	28.62	29.18	29.74	30.30	30.87	31.43	31.99	32.55	33.11	33.68
Supply Contracted	30.00	27.00	27.00	27.00	-	-	-	-	-	-	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements	-	1.62	2.18	2.74	30.30	30.87	31.43	31.99	32.55	33.11	33.68
Incremental Requirements	-	-	0.56	0.56	27.56	0.56	0.56	0.56	0.56	0.56	0.56
For CSP	-	-	-	-	32.00	32.00	32.00	32.00	32.00	32.00	32.00
For CSP-Baseload (2024-2034)	-	-	-	-	16.00	16.00	16.00	16.00	16.00	16.00	16.00
For CSP-Intermediate (2024-2034)	-	-	-	-	16.00	16.00	16.00	16.00	16.00	16.00	16.00
Uncontracted Requirements after CSP	-	1.62	2.18	2.74	1.70	1.13	0.57	0.01	0.55	1.11	1.68
% - Uncontracted Requirements after CSP vs Peak Demand	-	5.66%	7.47%	9.22%	-5.59%	-3.67%	-1.82%	-0.03%	1.70%	3.36%	4.98%

Figure 34. Supply-Demand Profile of SEZ

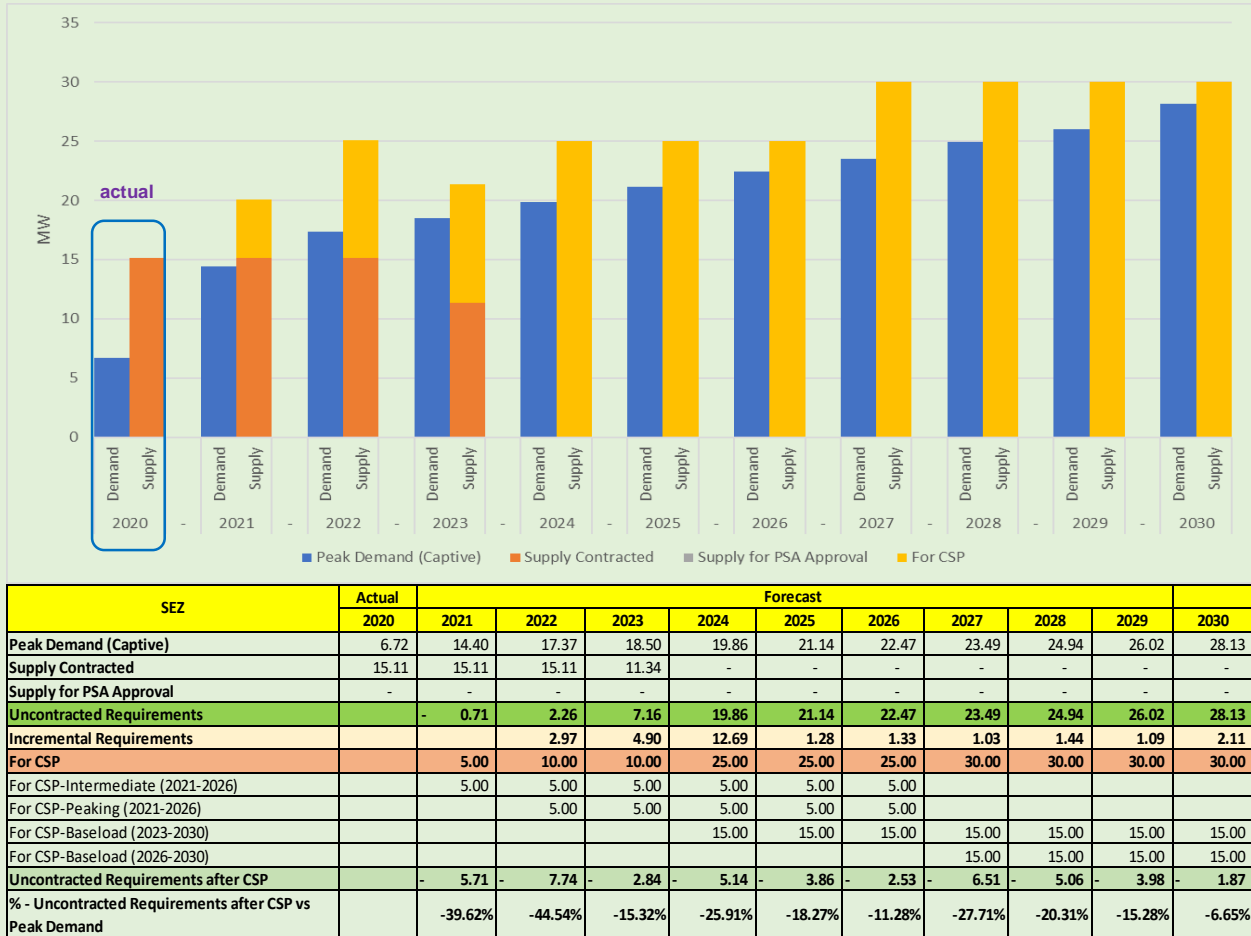
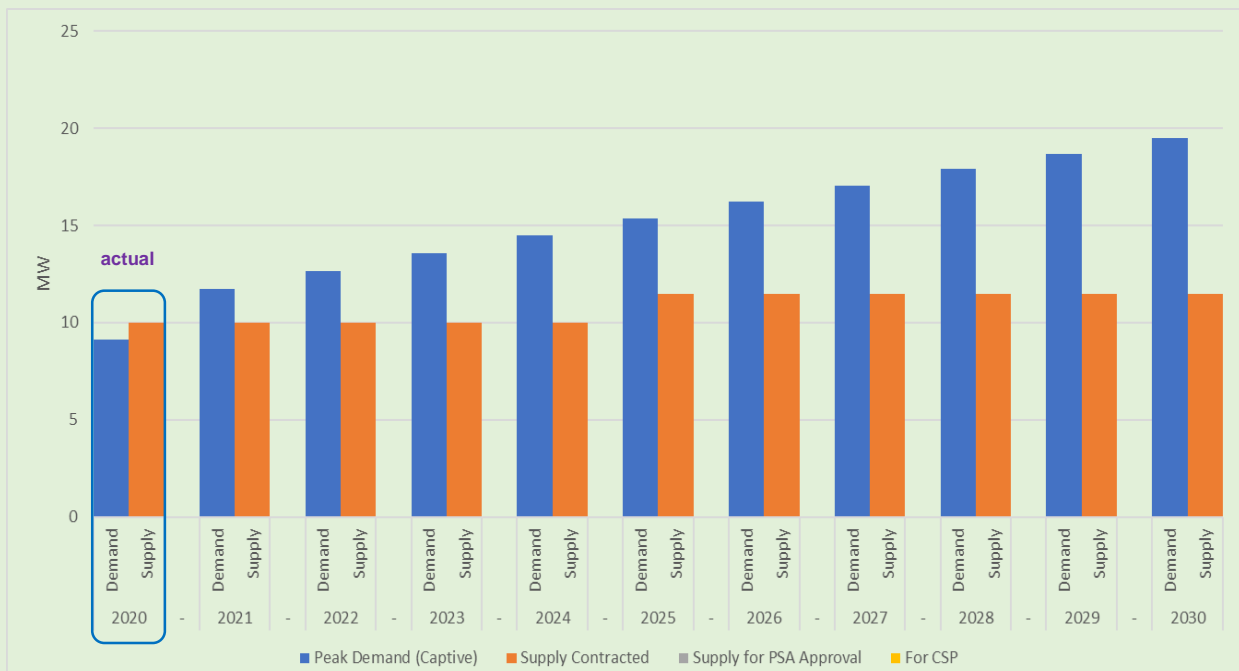


Figure 35. Supply-Demand Profile of TEI



TEI	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	54.96	55.57	56.03	74.04	86.03	92.69	101.89	102.35	106.57	103.60	103.91
Supply Contracted	68.88	68.88	68.88	68.88	72.88	72.88	72.88	58.00	40.00	40.00	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements	-	13.31	12.85	5.16	13.15	19.81	29.01	44.35	66.57	63.60	103.91
Incremental Requirements			0.46	18.00	8.00	6.66	9.20	15.35	22.21	2.97	40.31
For CSP		-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements after CSP	-	13.31	12.85	5.16	13.15	19.81	29.01	44.35	66.57	63.60	103.91
% - Uncontracted Requirements after CSP vs Peak Demand		-23.95%	-22.92%	6.96%	15.29%	21.37%	28.47%	43.33%	62.46%	61.39%	100.00%

Figure 36. Supply-Demand Profile of AURELCO



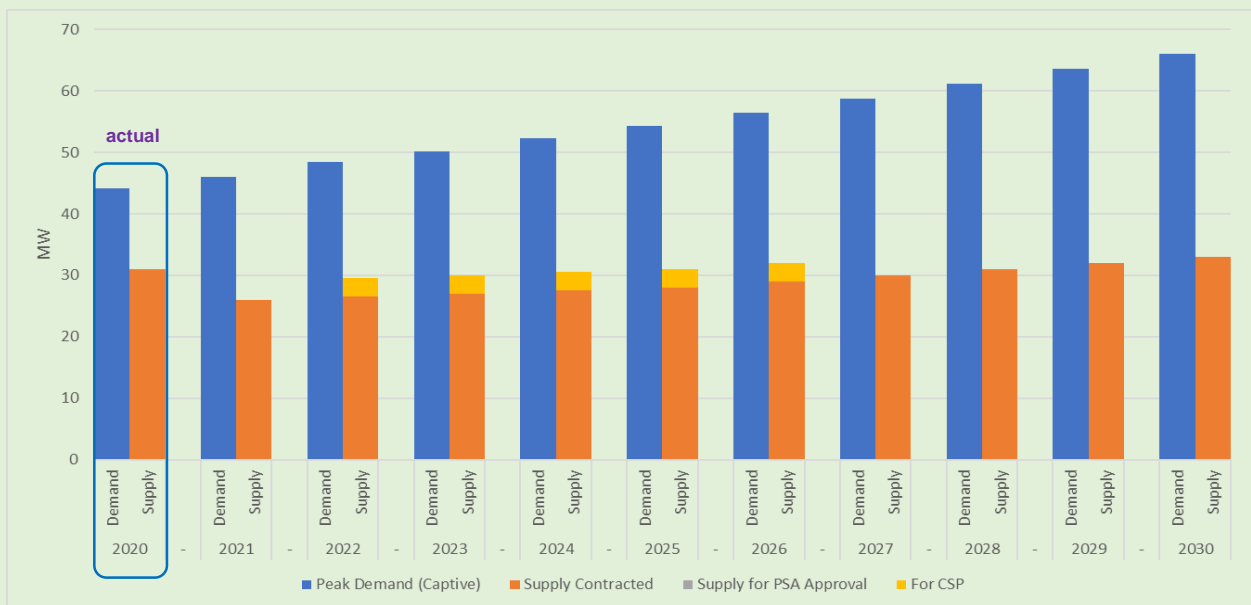
AURELCO - Grid	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	9.11	11.71	12.66	13.59	14.49	15.38	16.24	17.08	17.90	18.70	19.48
Supply Contracted	10.00	10.00	10.00	10.00	10.00	11.48	11.48	11.48	11.48	11.48	11.48
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		1.71	2.66	3.59	4.49	3.90	4.76	5.60	6.42	7.22	8.00
Incremental Requirements			0.95	0.93	0.90	0.60	0.86	0.84	0.82	0.80	0.78
For CSP		-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements after CSP		1.71	2.66	3.59	4.49	3.90	4.76	5.60	6.42	7.22	8.00
% - Uncontracted Requirements after CSP vs Peak Demand		14.60%	21.02%	26.41%	31.01%	25.33%	29.29%	32.77%	35.85%	38.60%	41.07%

Figure 37. Supply-Demand Profile of AURELCO – Off-Grid



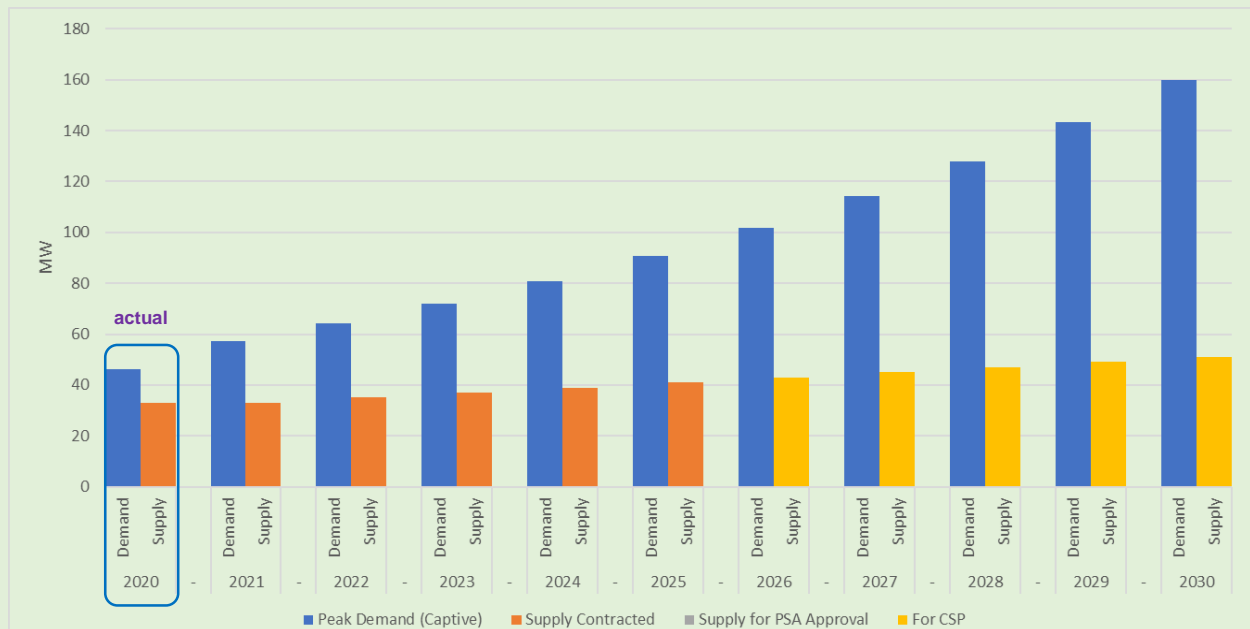
AURELCO - SIIG	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	1.59	2.01	2.11	2.24	2.40	2.60	2.84	3.13	3.47	3.87	4.34
Supply Contracted	1.55	1.64	1.72	1.80	-	-	-	-	-	-	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements	-	0.37	0.39	0.44	2.40	2.60	2.84	3.13	3.47	3.87	4.34
Incremental Requirements	-	-	0.02	0.05	1.96	0.20	0.24	0.29	0.34	0.40	0.47
For CSP	-	-	-	-	2.40	2.60	2.84	3.13	3.47	3.87	4.34
For CSP-BaseLoad (2024-2033)	-	-	-	-	2.40	2.60	2.84	3.13	3.47	3.87	4.34
Uncontracted Requirements after CSP	-	0.37	0.39	0.44	-	-	-	-	-	-	-
% - Uncontracted Requirements after CSP vs Peak Demand	-	18.34%	18.50%	19.61%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Figure 38. Supply-Demand Profile of NEECO I



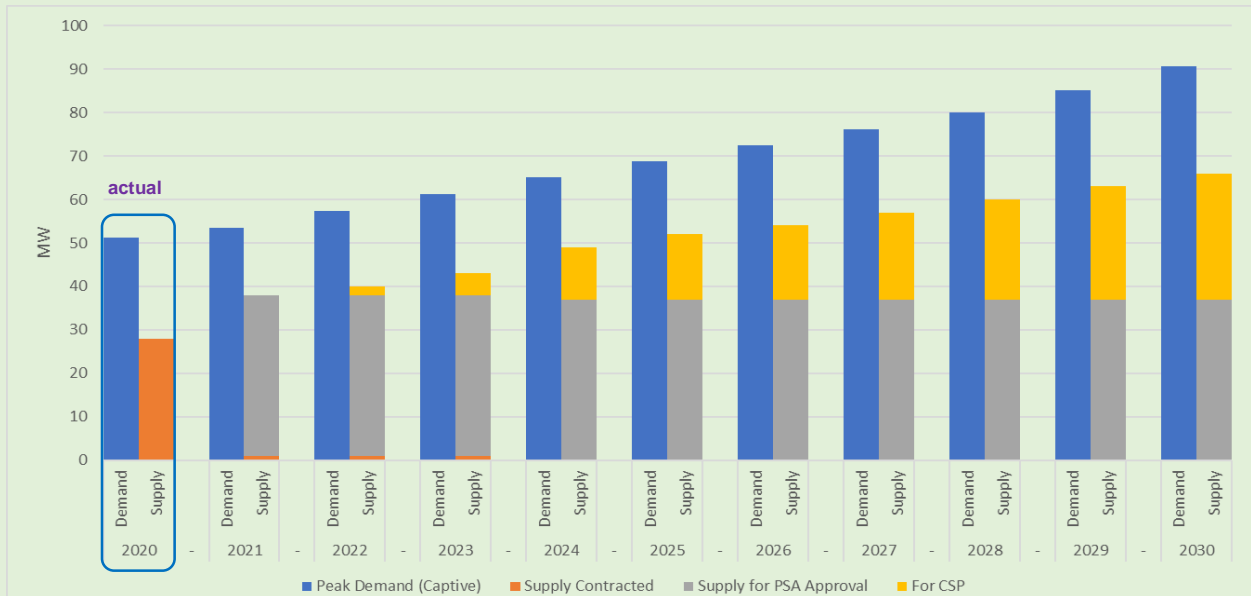
NEECO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	44.21	46.01	48.39	50.24	52.25	54.34	56.51	58.77	61.12	63.57	66.01
Supply Contracted	31.00	26.00	26.50	27.00	27.50	28.00	29.00	30.00	31.00	32.00	33.00
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		20.01	21.89	23.24	24.75	26.34	27.51	28.77	30.12	31.57	33.01
Incremental Requirements			1.88	1.35	1.51	1.59	1.17	1.26	1.35	1.45	1.44
For CSP		-	3.00	3.00	3.00	3.00	3.00	-	-	-	-
For CSP-RPS (2022-2026)			3.00	3.00	3.00	3.00	3.00				
Uncontracted Requirements after CSP		20.01	18.89	20.24	21.75	23.34	24.51	28.77	30.12	31.57	33.01
% - Uncontracted Requirements after CSP vs Peak Demand		43.49%	39.03%	40.29%	41.63%	42.95%	43.37%	48.96%	49.28%	49.66%	50.01%

Figure 39. Supply-Demand Profile of NEECO II - Area 1



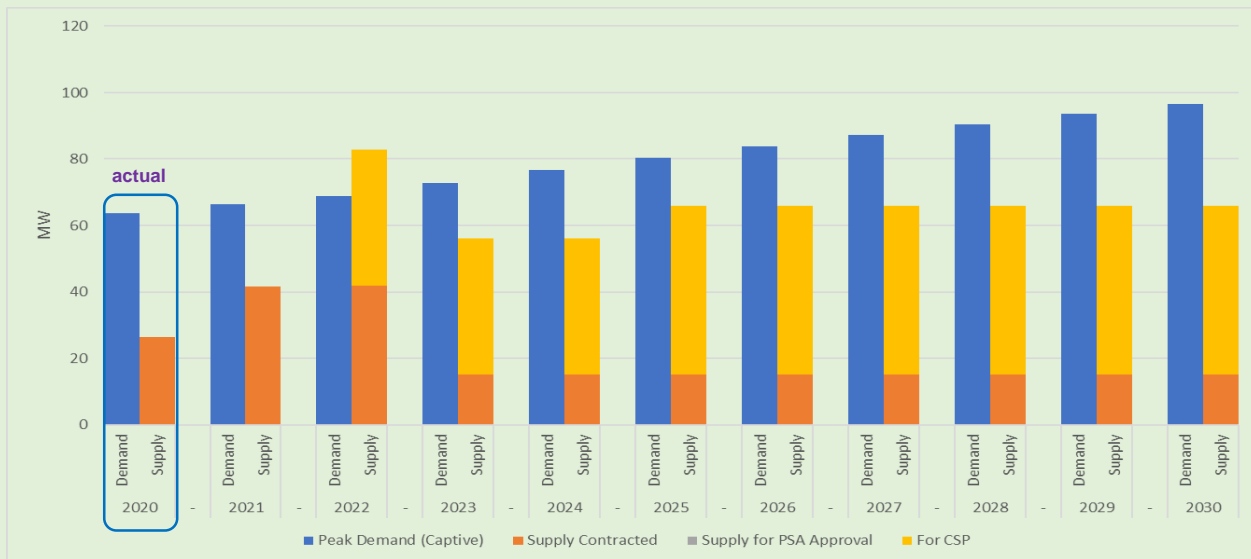
NEECO II - AREA 1	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	46.28	57.28	64.06	71.82	80.62	90.55	101.70	114.13	127.94	143.21	160.02
Supply Contracted	33.00	33.00	35.00	37.00	39.00	41.00	-	-	-	-	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		24.28	29.06	34.82	41.62	49.55	101.70	114.13	127.94	143.21	160.02
Incremental Requirements			4.79	5.75	6.80	7.93	52.14	12.44	13.81	15.27	16.81
For CSP		-	-	-	-	-	43.00	45.00	47.00	49.00	51.00
For CSP-BaseLoad (2026-2030)							43.00	45.00	47.00	49.00	51.00
Uncontracted Requirements after CSP		24.28	29.06	34.82	41.62	49.55	58.70	69.13	80.94	94.21	109.02
% - Uncontracted Requirements after CSP vs Peak Demand		42.38%	45.37%	48.48%	51.63%	54.72%	57.72%	60.57%	63.27%	65.79%	68.13%

Figure 40. Supply-Demand Profile of NEECO II - Area 2



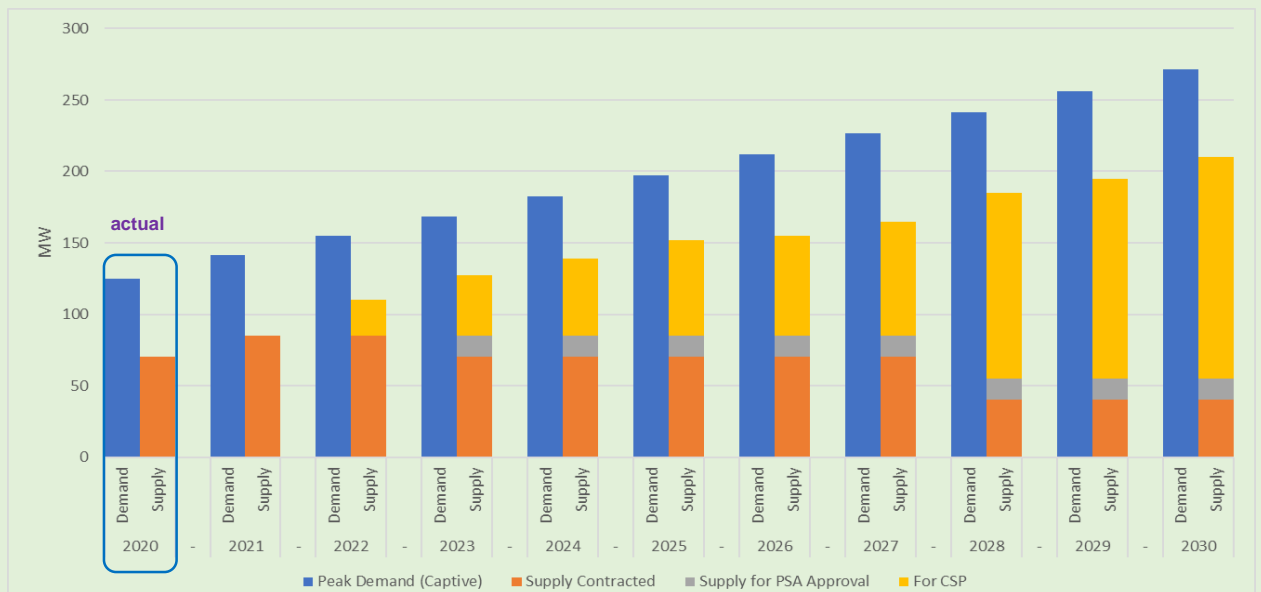
NEECO II - AREA 2	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	51.22	53.52	57.40	61.27	65.09	68.87	72.59	76.24	80.03	85.20	90.62
Supply Contracted	28.00	1.00	1.00	1.00	-	-	-	-	-	-	-
Supply for PSA Approval	-	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00
Uncontracted Requirements		15.52	19.40	23.27	28.09	31.87	35.59	39.24	43.03	48.20	53.62
Incremental Requirements			3.88	3.87	4.83	3.78	3.72	3.66	3.79	5.17	5.41
For CSP		-	2.00	5.00	12.00	15.00	17.00	20.00	23.00	26.00	29.00
For CSP-Baseload (2025-2047)					5.00	5.00	5.00	5.00	5.00	5.00	5.00
For CSP-Baseload (2022-2030)			2.00	5.00	7.00	10.00	12.00	15.00	18.00	21.00	24.00
Uncontracted Requirements after CSP		15.52	17.40	18.27	16.09	16.87	18.59	19.24	20.03	22.20	24.62
% - Uncontracted Requirements after CSP vs Peak Demand		28.99%	30.31%	29.81%	24.72%	24.49%	25.61%	25.24%	25.03%	26.06%	27.16%

Figure 41. Supply-Demand Profile of PELCO I



PELCO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	63.66	66.35	68.74	72.76	76.60	80.29	83.82	87.21	90.46	93.58	96.57
Supply Contracted	26.40	41.61	41.81	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		24.75	26.93	57.76	61.60	65.29	68.82	72.21	75.46	78.58	81.57
Incremental Requirements			2.18	30.83	3.85	3.69	3.53	3.39	3.25	3.12	2.99
For CSP		-	41.00	41.00	41.00	51.00	51.00	51.00	51.00	51.00	51.00
For CSP-Baseoad (2022-2032)			36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00
For CSP-Peaking (2021-2031)			5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
For CSP-Peaking (2024-2034)						10.00	10.00	10.00	10.00	10.00	10.00
Uncontracted Requirements after CSP		24.75	14.07	16.76	20.60	14.29	17.82	21.21	24.46	27.58	30.57
% - Uncontracted Requirements after CSP vs Peak Demand		37.29%	-20.47%	23.03%	26.90%	17.80%	21.26%	24.32%	27.04%	29.47%	31.65%

Figure 42. Supply-Demand Profile of PELCO II



PELCO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	124.63	141.68	154.93	168.62	182.60	197.07	211.72	226.43	241.16	255.91	271.44
Supply Contracted	70.00	85.00	85.00	70.00	70.00	70.00	70.00	70.00	40.00	40.00	40.00
Supply for PSA Approval	-	-	-	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Uncontracted Requirements		56.68	69.93	83.62	97.60	112.07	126.72	141.43	186.16	200.91	216.44
Incremental Requirements			13.25	13.69	13.98	14.48	14.65	14.71	44.74	14.75	15.53
For CSP		-	25.00	42.00	54.00	67.00	70.00	80.00	130.00	140.00	155.00
For CSP-Intermediate (2022-2041)			25.00	27.00	29.00	32.00	35.00	35.00	35.00	35.00	40.00
For CSP-Baseoad (2023-2032)				15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
For CSP-Baseoad (2024-2033)					10.00	10.00	10.00	10.00	10.00	10.00	10.00
For CSP-Intermediate (2025-2034)						10.00	10.00	10.00	10.00	10.00	10.00
For CSP-Baseoad (2027-2036)							10.00	10.00	10.00	10.00	10.00
For CSP-Baseoad (2028-2037)								35.00	35.00	35.00	35.00
For CSP-Peaking (2028-2042)								15.00	15.00	15.00	15.00
For CSP-Baseoad (2029-2038)										10.00	10.00
For CSP-Intermediate (2030-2039)											10.00
Uncontracted Requirements after CSP		56.68	44.93	41.62	43.60	45.07	56.72	61.43	56.16	60.91	61.44
% - Uncontracted Requirements after CSP vs Peak Demand		40.01%	29.00%	24.68%	23.88%	22.87%	26.79%	27.13%	23.29%	23.80%	22.63%

Figure 43. Supply-Demand Profile of PELCO III

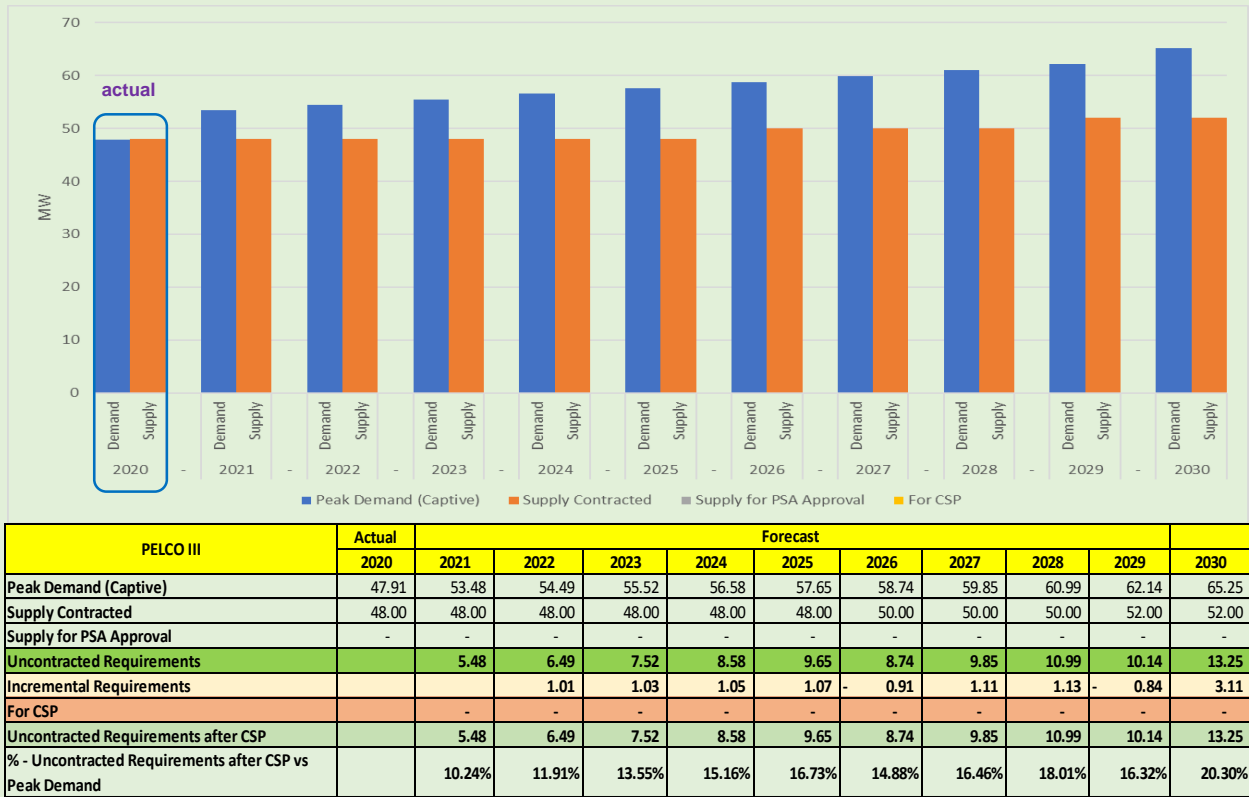
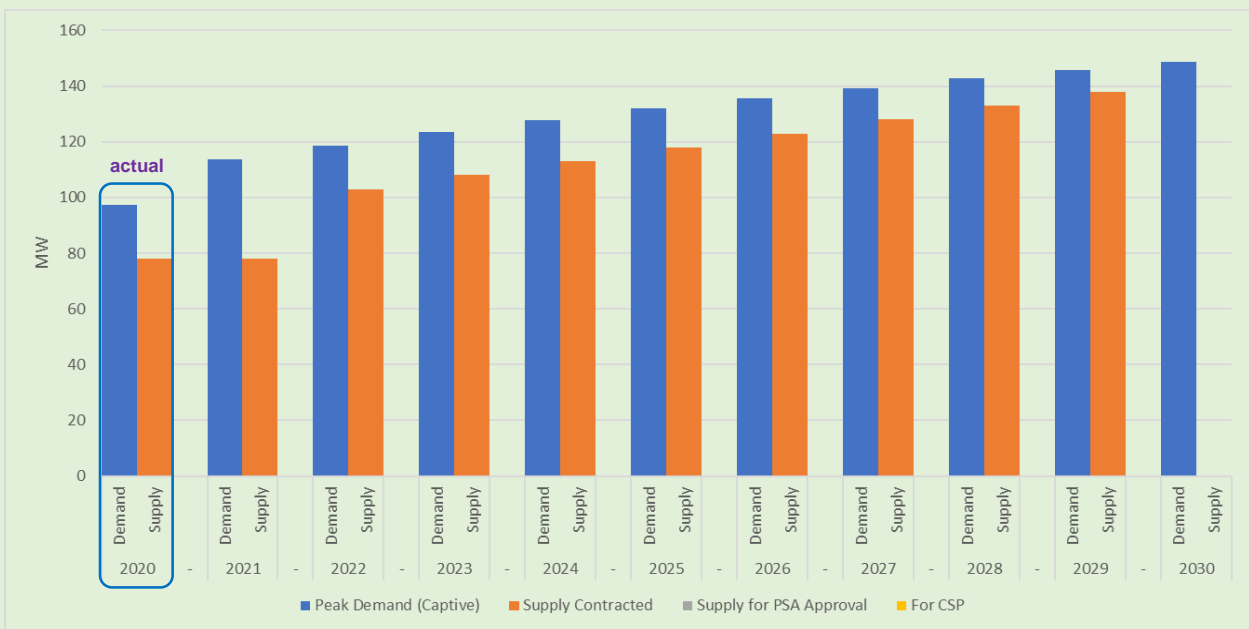
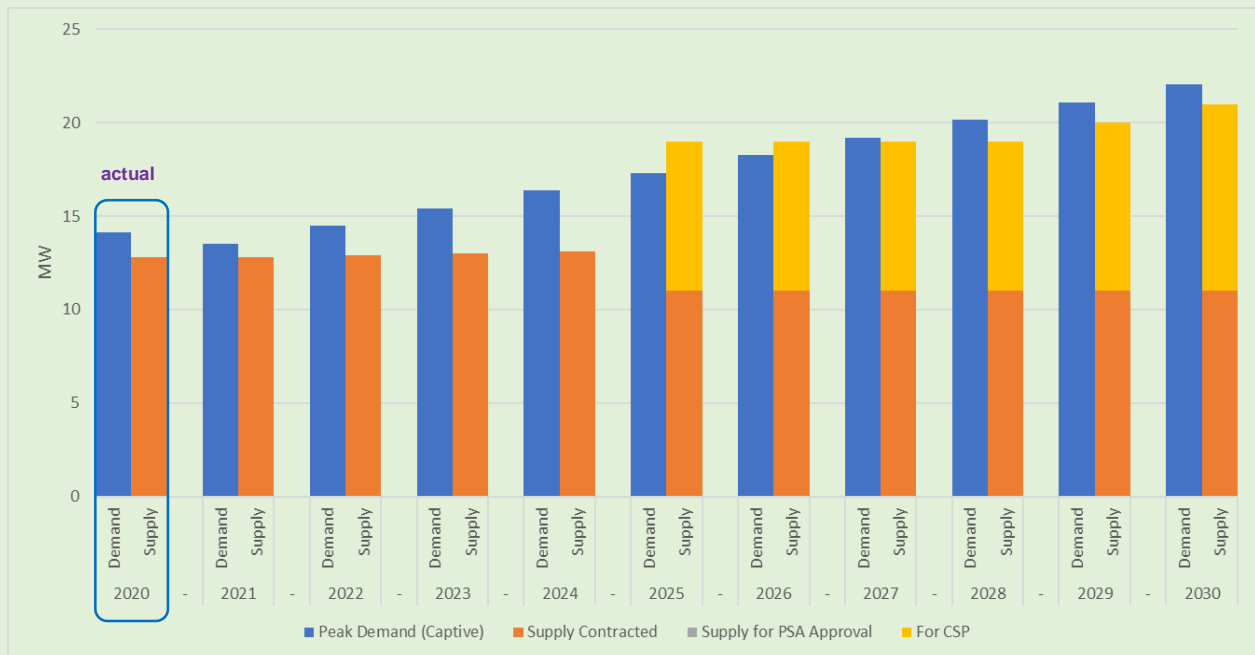


Figure 44. Supply-Demand Profile of PENELCO



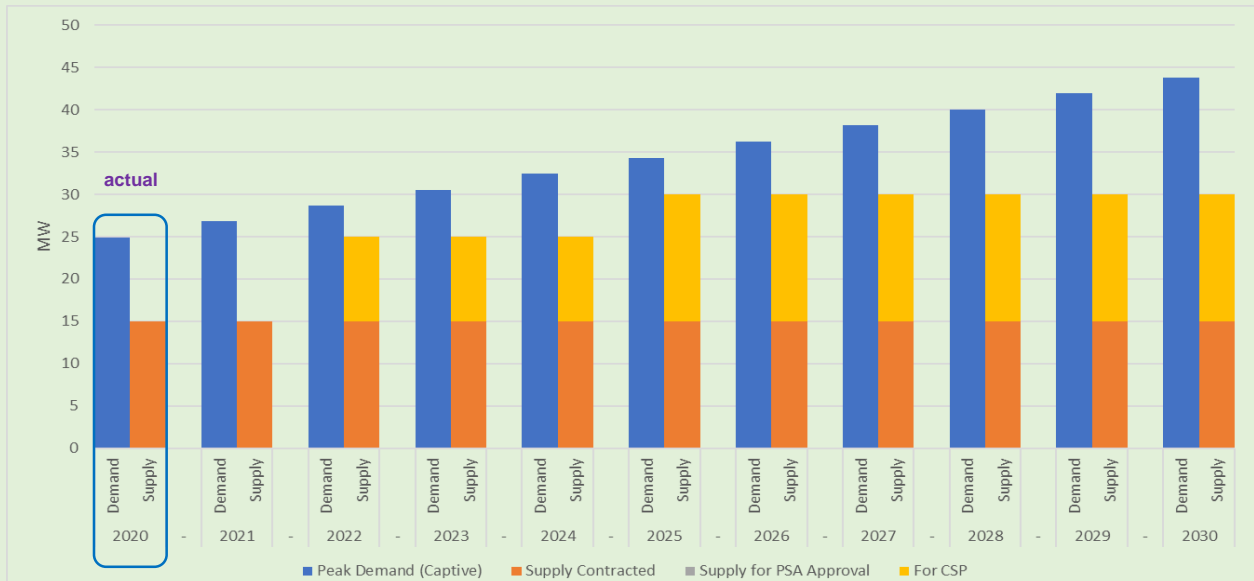
PENELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	97.40	113.60	118.69	123.42	127.82	131.93	135.76	139.35	142.69	145.82	148.73
Supply Contracted	78.00	78.00	103.00	108.00	113.00	118.00	123.00	128.00	133.00	138.00	-
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements	-	35.60	15.69	15.42	14.82	13.93	12.76	11.35	9.69	7.82	148.73
Incremental Requirements	-	-	19.91	0.27	0.60	0.89	1.16	1.42	1.65	1.88	140.92
For CSP	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements after CSP	-	35.60	15.69	15.42	14.82	13.93	12.76	11.35	9.69	7.82	148.73
% - Uncontracted Requirements after CSP vs Peak Demand	-	31.34%	13.22%	12.49%	11.60%	10.56%	9.40%	8.14%	6.79%	5.36%	100.00%

Figure 45. Supply-Demand Profile of PRESCO



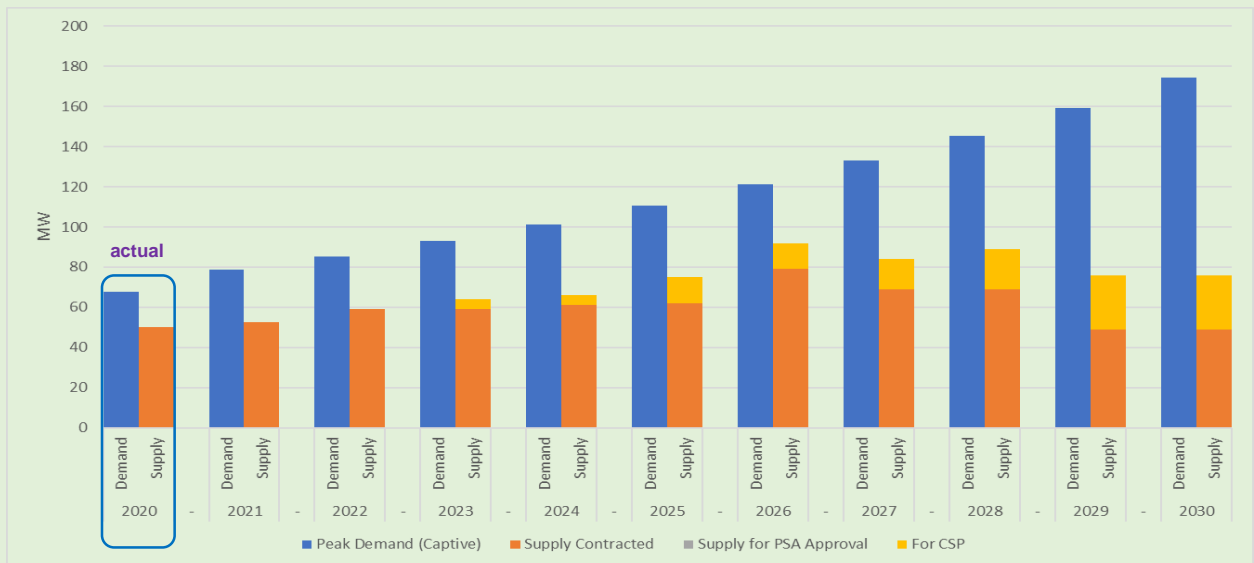
PRESCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	14.14	13.53	14.48	15.42	16.37	17.32	18.27	19.21	20.16	21.11	22.05
Supply Contracted	12.80	12.80	12.90	13.00	13.10	11.00	11.00	11.00	11.00	11.00	11.00
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements	-	0.73	1.58	2.42	3.27	6.32	7.27	8.21	9.16	10.11	11.05
Incremental Requirements	-	-	0.85	0.85	0.85	3.05	0.95	0.95	0.95	0.95	0.95
For CSP	-	-	-	-	-	8.00	8.00	8.00	8.00	9.00	10.00
For CSP-Baseload (2025-2045)	-	-	-	-	-	8.00	8.00	8.00	8.00	9.00	10.00
Uncontracted Requirements after CSP	-	0.73	1.58	2.42	3.27	1.68	0.73	0.21	1.16	1.11	1.05
% - Uncontracted Requirements after CSP vs Peak Demand	-	5.40%	10.90%	15.72%	19.98%	-9.71%	-4.02%	1.10%	5.75%	5.24%	4.77%

Figure 46. Supply-Demand Profile of SAJELCO



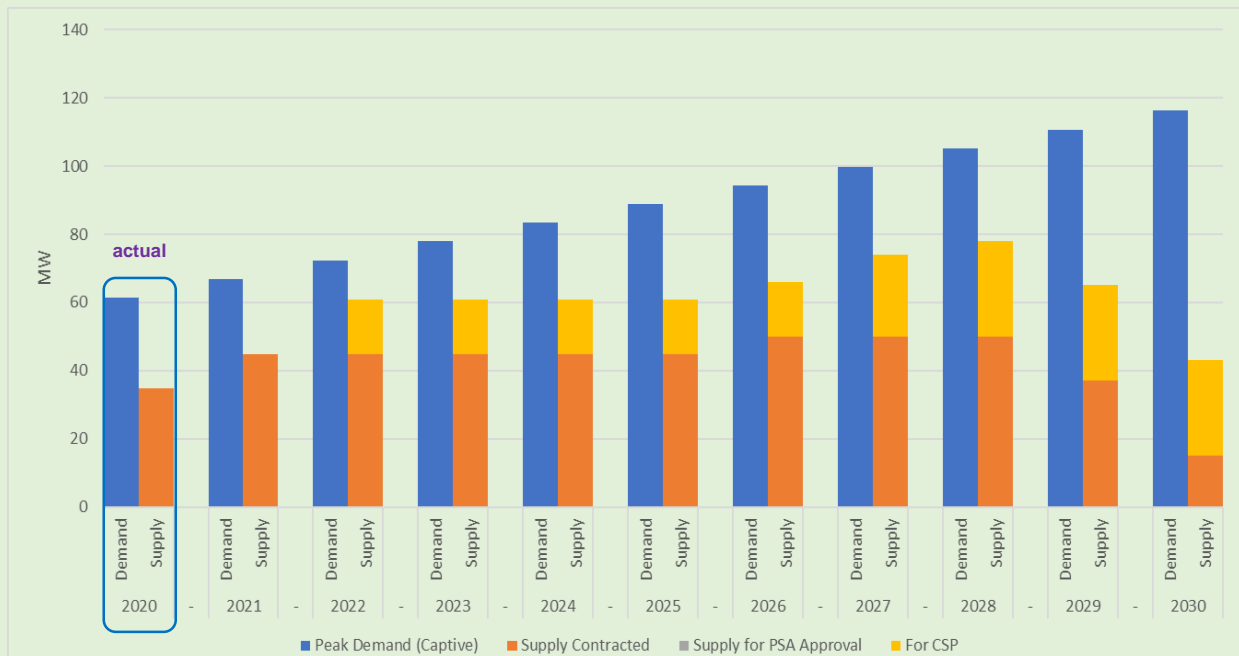
SAJELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	24.93	26.88	28.70	30.56	32.45	34.35	36.25	38.15	40.05	41.93	43.80
Supply Contracted	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		11.88	13.70	15.56	17.45	19.35	21.25	23.15	25.05	26.93	28.80
Incremental Requirements			1.82	1.86	1.89	1.90	1.90	1.90	1.89	1.88	1.87
For CSP		-	10.00	10.00	10.00	15.00	15.00	15.00	15.00	15.00	15.00
For CSP-BaseLoad (2022-2039)			10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
For CSP-Intermediate (2025-2039)						5.00	5.00	5.00	5.00	5.00	5.00
Uncontracted Requirements after CSP		11.88	3.70	5.56	7.45	4.35	6.25	8.15	10.05	11.93	13.80
% - Uncontracted Requirements after CSP vs Peak Demand		44.19%	12.89%	18.20%	22.96%	12.67%	17.25%	21.37%	25.09%	28.46%	31.51%

Figure 47. Supply-Demand Profile of TARELCO I



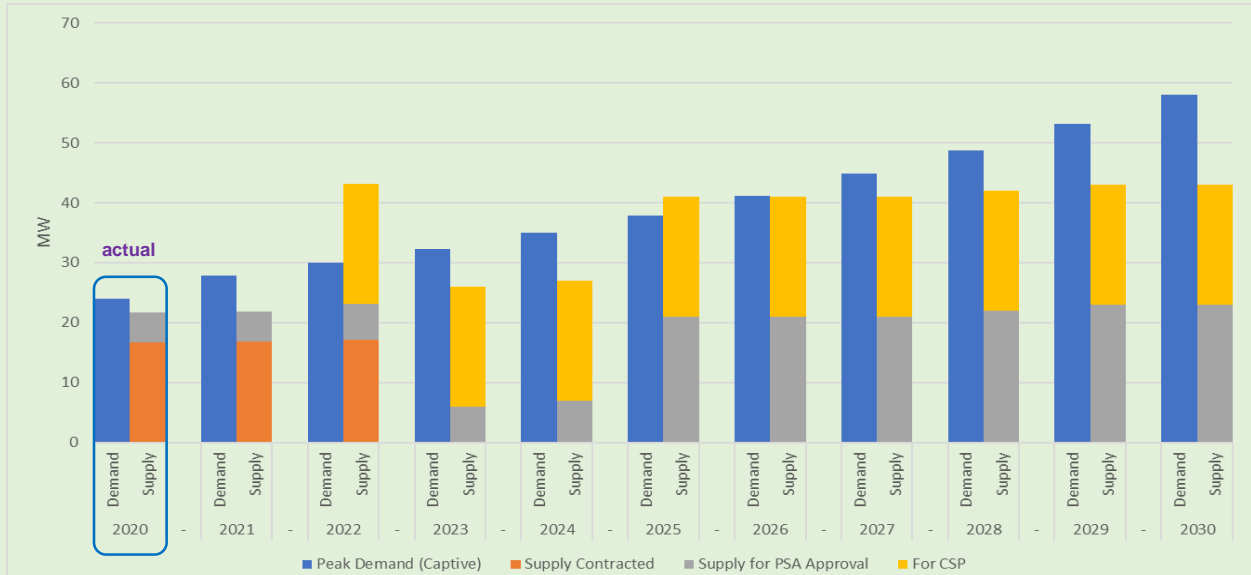
TARELCO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	67.79	78.77	85.43	93.01	101.37	110.74	121.24	132.99	145.59	159.16	174.31
Supply Contracted	50.24	52.53	59.00	59.00	61.00	62.00	79.00	69.00	69.00	49.00	49.00
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		26.24	26.43	34.01	40.37	48.74	42.24	63.99	76.59	110.16	125.31
Incremental Requirements			0.19	7.58	6.36	8.37	6.50	21.75	12.60	33.57	15.15
For CSP		-	-	5.00	5.00	13.00	13.00	15.00	20.00	27.00	27.00
For CSP-Baseload (2023-2042)				5.00	5.00	8.00	8.00	10.00	10.00	10.00	10.00
For CSP-Baseload (2025-2046)						5.00	5.00	5.00	5.00	5.00	5.00
For CSP-Baseload (2028-2045)									5.00	5.00	5.00
For CSP-Baseload (2029-2045)										7.00	7.00
Uncontracted Requirements after CSP		26.24	26.43	29.01	35.37	35.74	29.24	48.99	56.59	83.16	98.31
% - Uncontracted Requirements after CSP vs Peak Demand		33.31%	30.94%	31.19%	34.89%	32.27%	24.12%	36.84%	38.87%	52.25%	56.40%

Figure 48. Supply-Demand Profile of TARELCO II



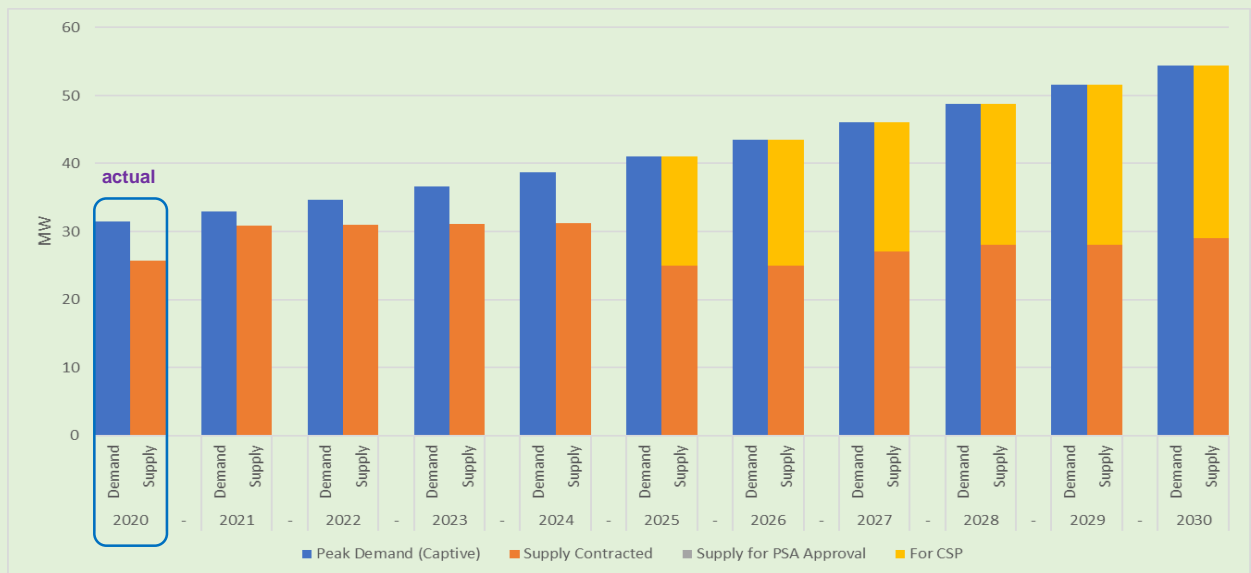
TARELCO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	61.40	66.92	72.40	77.88	83.36	88.84	94.32	99.80	105.28	110.76	116.25
Supply Contracted	34.91	44.91	44.91	44.91	44.91	44.91	49.91	49.91	49.91	37.00	15.00
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		22.01	27.49	32.97	38.45	43.93	44.41	49.89	55.37	73.76	101.25
Incremental Requirements			5.48	5.48	5.48	5.48	0.48	5.48	5.48	18.39	27.48
For CSP		-	16.00	16.00	16.00	16.00	16.00	24.00	28.00	28.00	28.00
For CSP-Peaking (2022-2036)			10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
For CSP-Peaking (2022-2036)			5.00	5.00	5.00	5.00	5.00	1.00	5.00	5.00	5.00
For CSP-Peaking (2022-2036)			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
For CSP-Intermediate (2027-2041)								12.00	12.00	12.00	12.00
Uncontracted Requirements after CSP		22.01	11.49	16.97	22.45	27.93	28.41	25.89	27.37	45.76	73.24
% - Uncontracted Requirements after CSP vs Peak Demand		32.89%	15.87%	21.79%	26.93%	31.44%	30.12%	25.94%	26.00%	41.32%	63.01%

Figure 49. Supply-Demand Profile of ZAMECO I



ZAMECO I	Actual		Forecast								
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	23.98	27.84	29.96	32.33	34.98	37.93	41.20	44.82	48.81	53.20	58.01
Supply Contracted	16.64	16.87	17.12	-	-	-	-	-	-	-	-
Supply for PSA Approval	5.00	5.00	6.00	6.00	7.00	21.00	21.00	21.00	22.00	23.00	23.00
Uncontracted Requirements		5.97	6.84	26.33	27.98	16.93	20.20	23.82	26.81	30.20	35.01
Incremental Requirements			0.87	19.49	1.65	11.05	3.27	3.62	2.99	3.39	4.81
For CSP		-	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
For CSP-Peaking (2022-2032)			5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
For CSP-BaseLoad (2022-2032)			15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Uncontracted Requirements after CSP		5.97	13.16	6.33	7.98	3.07	0.20	3.82	6.81	10.20	15.01
% - Uncontracted Requirements after CSP vs Peak Demand		21.43%	-43.92%	19.59%	22.82%	-8.10%	0.48%	8.52%	13.95%	19.17%	25.88%

Figure 50. Supply-Demand Profile of ZAMECO II



ZAMECO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	31.45	32.97	34.67	36.59	38.70	40.99	43.44	46.02	48.72	51.53	54.44
Supply Contracted	25.69	30.81	30.94	31.07	31.20	25.00	25.00	27.00	28.00	28.00	29.00
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements		2.15	3.73	5.52	7.50	15.99	18.44	19.02	20.72	23.53	25.44
Incremental Requirements			1.58	1.79	1.98	8.49	2.44	0.58	1.70	2.81	1.90
For CSP		-	-	-	-	15.99	18.44	19.02	20.72	23.53	25.44
For CSP-BaseLoad (2025-2030)						15.99	18.44	19.02	20.72	23.53	25.44
Uncontracted Requirements after CSP		2.15	3.73	5.52	7.50	-	-	-	-	-	-
% - Uncontracted Requirements after CSP vs Peak Demand		6.53%	10.76%	15.09%	19.39%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

➤ CALABARZON REGION

A non-coincident peak demand of 311.18 MW for captive customers was recorded by CALABARZON DUs in 2020. This was forecasted to increase from 333.90 MW in 2021 to 440.13 MW in 2030 with an AAGR of 3.54% for the entire planning horizon. CALABARZON will have a supply deficit of 63.49 MW in 2021 and projected to grow annually.

Figure 51. Supply-Demand Profile of CALABARZON Region DUs



Region IV-A	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	311.18	333.90	340.22	357.78	369.35	381.21	392.82	404.19	416.06	427.83	440.13
Supply Contracted	260.73	263.41	241.90	243.26	239.00	242.00	248.00	246.00	232.00	143.00	15.00
Supply for PSA Approval	6.00	7.00	15.00	16.00	17.00	17.00	17.00	10.00	10.00	10.00	
Uncontracted Requirements		63.49	83.32	98.52	113.35	122.21	127.82	148.19	174.06	274.83	425.13
Incremental Requirements			19.84	15.20	14.82	8.87	5.61	20.37	25.87	100.77	150.29
For CSP		3.00	19.00	38.59	41.17	42.76	44.34	51.93	89.51	169.10	169.10
CSP Schedule											
		3.00	19.00	38.59	41.17	42.76	44.34	51.93	89.51	169.10	169.10
Uncontracted Requirements after CSP		60.49	64.32	59.94	72.18	79.46	83.48	96.26	84.55	105.74	256.03
% - Uncontracted Requirements after CSP vs Peak Demand		18.12%	18.91%	16.75%	19.54%	20.84%	21.25%	23.82%	20.32%	24.71%	58.17%

For the entire planning period, the DUs in CALABARZON has a schedule for CSP ranging from 3.0 MW to 169.10 MW. Majority of the requirements for CSP is through the procurement of BATELEC I, BATELEC II, IEC, QUEZELCO I, and QUEZELCO II. With the proposed CSPs, the uncontracted requirements of CALABARZON will be reduced to 18.91% - 58.17% of the region’s overall requirements.

Figure 52. Supply-Demand Profile of Region IV-A DUs – Off-Grid

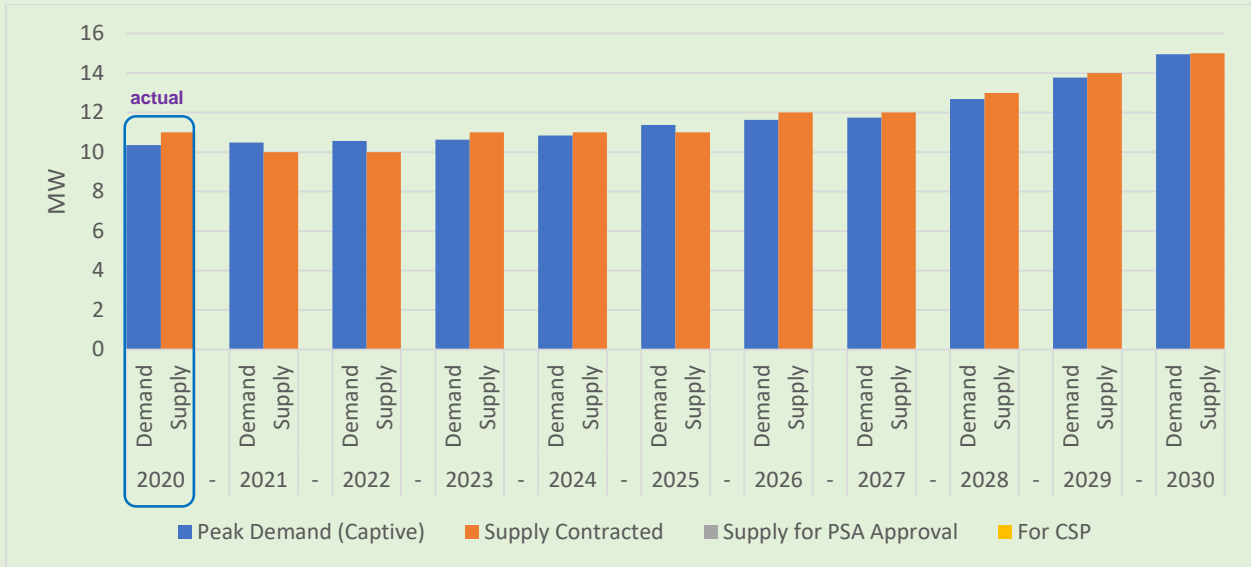


Region IV-A - Off-Grid	Actual	Forecast										
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Peak Demand (Captive)	3.20	3.87	4.35	4.52	4.66	4.85	5.00	5.16	5.33	5.50	5.68	
Supply Contracted	4.53	4.59	5.65	5.71	4.80	4.80	4.80	4.80	4.80	6.80	6.80	
Supply for PSA Approval												
Uncontracted Requirements	-	0.72	1.30	1.19	0.14	0.05	0.20	0.36	0.53	1.30	1.12	
Incremental Requirements			0.58	0.11	1.05	0.19	0.15	0.16	0.17	1.83	0.18	
For CSP												
CSP Schedule												
Uncontracted Requirements after CSP	-	0.72	1.30	1.19	0.14	0.05	0.20	0.36	0.53	1.30	1.12	
% - Uncontracted Requirements after CSP vs Peak Demand		-18.60%	-29.89%	-26.33%	-3.00%	1.03%	4.00%	6.98%	9.94%	-23.64%	-19.72%	

Figure 52 shows the combined data of Tingloy Island under BATELEC II, and Polillo Island, Patnanungan Island, and Jomalig Island under QUEZELCO II. Polillo Island is supplied by Renesons Energy Polillo while the rest of the aforementioned islands are being supplied by NPC.

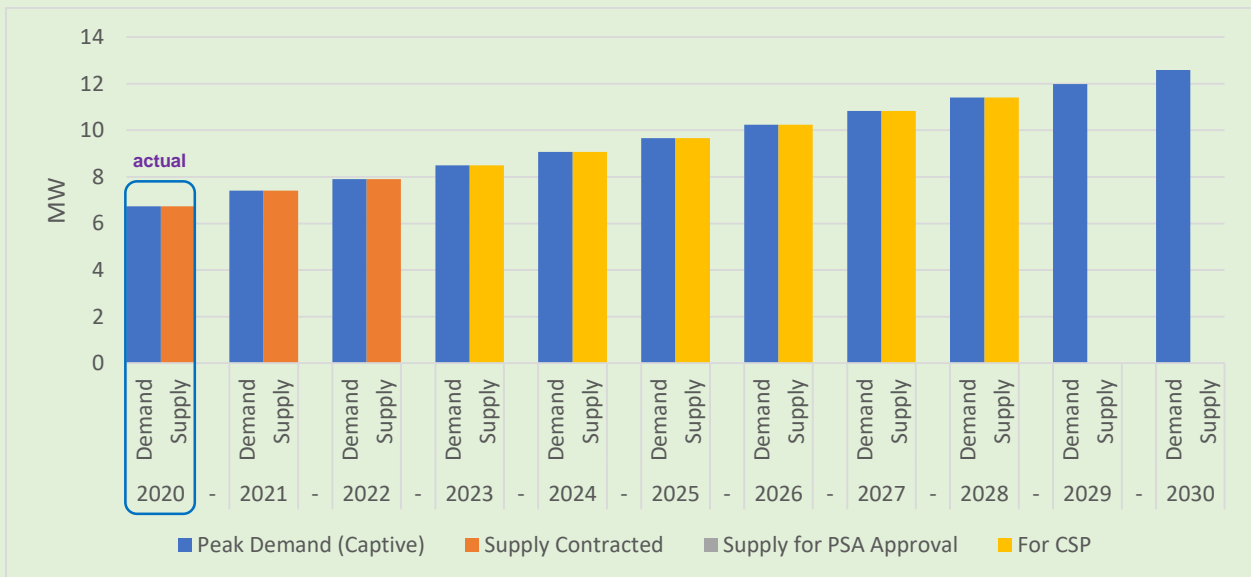
The following are the Supply-Demand Profile of each DU in CALABARZON Region:

Figure 53. Supply-Demand Profile of FBPC



FBPC	Actual	Forecast										
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Peak Demand (Captive)	10.36	10.49	10.57	10.62	10.84	11.37	11.64	11.75	12.68	13.77	14.95	
Supply Contracted	11.00	10.00	10.00	11.00	11.00	11.00	12.00	12.00	13.00	14.00	15.00	
Supply for PSA Approval												
Uncontracted Requirements		0.49	0.57	- 0.38	- 0.16	0.37	- 0.36	- 0.25	- 0.32	- 0.23	- 0.05	
Incremental Requirements			0.08	- 0.95	0.22	0.53	- 0.73	0.11	- 0.07	0.09	0.18	
For CSP		-	-	-	-	-	-	-	-	-	-	
CSP Schedule												
Uncontracted Requirements after CSP		0.49	0.57	- 0.38	- 0.16	0.37	- 0.36	- 0.25	- 0.32	- 0.23	- 0.05	
% - Uncontracted Requirements after CSP vs Peak Demand		4.67%	5.39%	-3.58%	-1.48%	3.25%	-3.09%	-2.13%	-2.52%	-1.67%	-0.33%	

Figure 54. Supply-Demand Profile of IEC



IEC	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	6.73	7.41	7.90	8.49	9.07	9.66	10.24	10.83	11.41	11.99	12.59
Supply Contracted	6.73	7.41	7.90								
Supply for PSA Approval											
Uncontracted Requirements		-	-	8.49	9.07	9.66	10.24	10.83	11.41	11.99	12.59
Incremental Requirements				8.49	0.58	0.59	0.58	0.59	0.58	0.58	0.60
For CSP		-	-	8.49	9.07	9.66	10.24	10.83	11.41	-	-
CSP Schedule											
Baseload (2023-2028)				8.07	8.53	8.98	9.42	9.86	10.27		
Baseload (2023-2028)				0.42	0.54	0.68	0.82	0.97	1.14		
Uncontracted Requirements after CSP		-	-	-	-	-	-	-	-	11.99	12.59
% - Uncontracted Requirements after CSP vs Peak Demand		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%

Figure 55. Supply-Demand Profile of LEZ



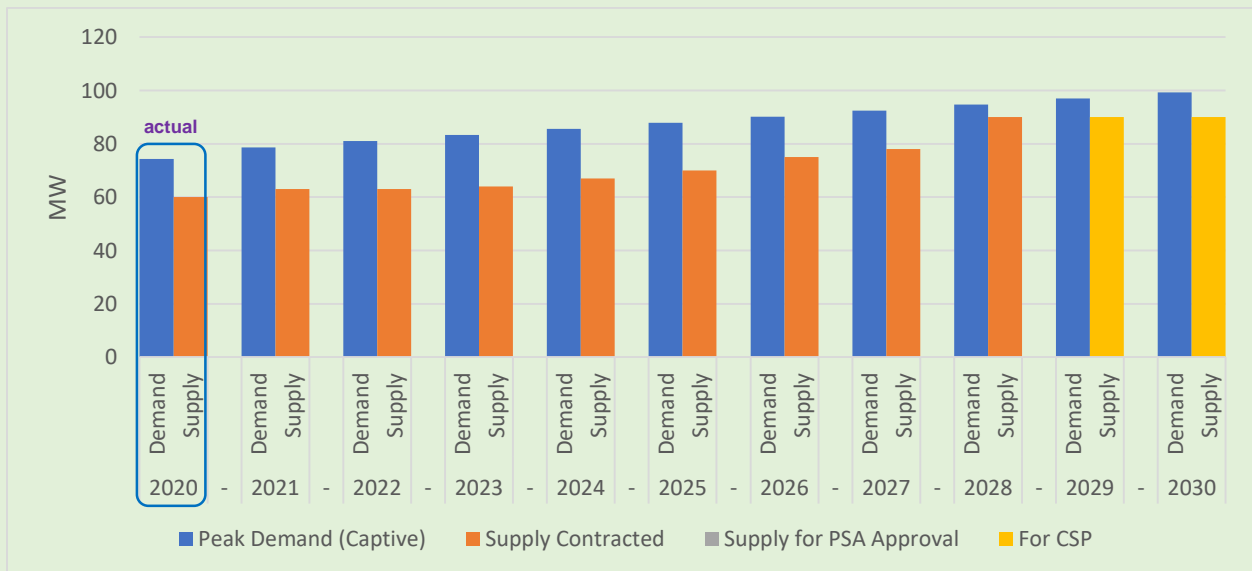
LEZ	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	12.69	8.74	4.12	6.24	8.05	9.91	11.70	13.08	14.28	15.05	17.42
Supply Contracted	19.00	19.00									
Supply for PSA Approval			7.00	7.00	7.00	7.00	7.00				
Uncontracted Requirements		- 10.26	- 2.88	- 0.76	1.05	2.91	4.70	13.08	14.28	15.05	17.42
Incremental Requirements			7.38	2.12	1.81	1.86	1.79	8.37	1.20	0.77	2.37
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		- 10.26	- 2.88	- 0.76	1.05	2.91	4.70	13.08	14.28	15.05	17.42
% - Uncontracted Requirements after CSP vs Peak Demand		-117.35%	-69.94%	-12.18%	13.04%	29.38%	40.19%	100.00%	100.00%	100.00%	100.00%

Figure 56. Supply-Demand Profile of MALVEZ



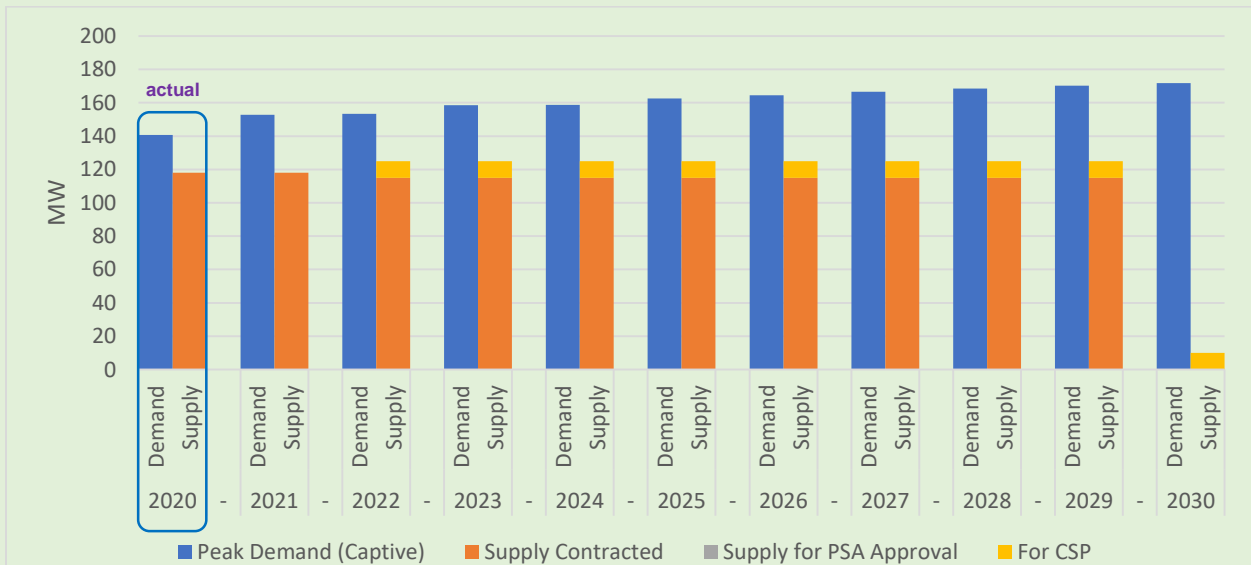
MALVEZ	Actual	Forecast										
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Peak Demand (Captive)	0.12	3.49	7.49	11.17	14.00	13.00	14.00	15.00	16.00	17.13	17.13	
Supply Contracted												
Supply for PSA Approval												
Uncontracted Requirements		3.49	7.49	11.17	14.00	13.00	14.00	15.00	16.00	17.13	17.13	
Incremental Requirements			4.00	3.68	2.83	1.00	1.00	1.00	1.00	1.13	-	
For CSP		-	-	10.10	10.10	10.10	10.10	10.10	10.10	10.10	10.10	
CSP Schedule				10.10	10.10	10.10	10.10	10.10	10.10	10.10	10.10	
Uncontracted Requirements after CSP		3.49	7.49	1.07	3.90	2.90	3.90	4.90	5.90	7.03	7.03	
% - Uncontracted Requirements after CSP vs Peak Demand		100.00%	100.00%	9.60%	27.87%	22.32%	27.87%	32.68%	36.89%	41.05%	41.05%	

Figure 57. Supply-Demand Profile of BATELEC I



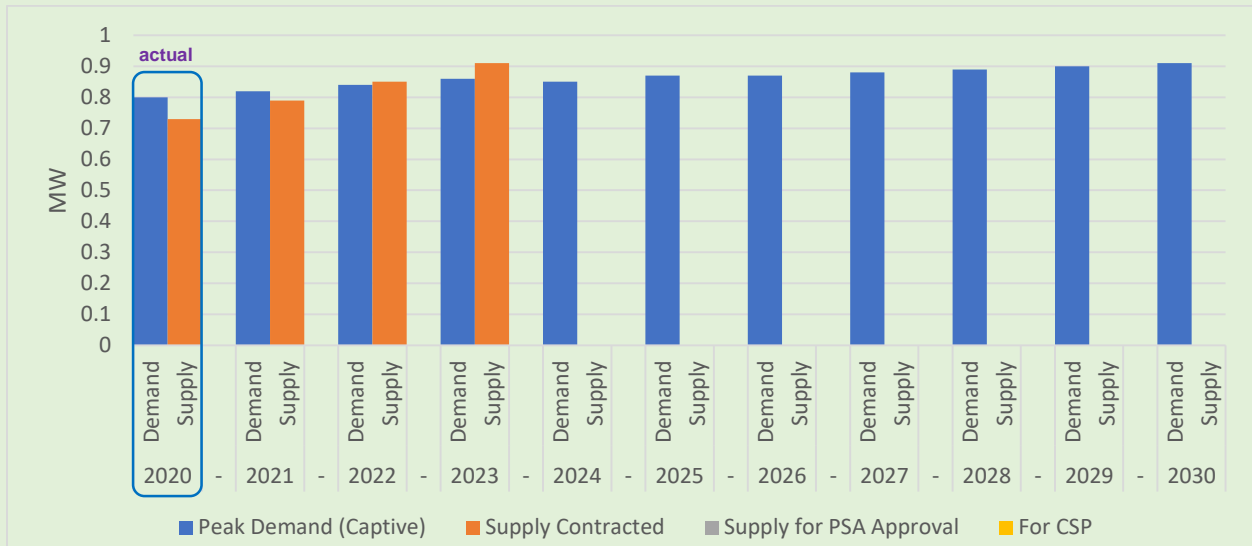
BATELEC I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	74.37	78.70	80.99	83.28	85.57	87.86	90.14	92.43	94.72	97.01	99.30
Supply Contracted	60.00	63.00	63.00	64.00	67.00	70.00	75.00	78.00	80.00		
Supply for PSA Approval											
Uncontracted Requirements		15.70	17.99	19.28	18.57	17.86	15.14	14.43	4.72	97.01	99.30
Incremental Requirements			2.29	1.29	- 0.71	- 0.71	- 2.72	- 0.71	- 9.71	92.29	2.29
For CSP		-	-	-	-	-	-	-	-	90.00	90.00
CSP Schedule											
Baseload (2028-2038)										40.00	40.00
Intermediate (2028-2038)										50.00	50.00
Uncontracted Requirements after CSP		15.70	17.99	19.28	18.57	17.86	15.14	14.43	4.72	7.01	9.30
% - Uncontracted Requirements after CSP vs Peak Demand		19.95%	22.21%	23.15%	21.70%	20.33%	16.80%	15.61%	4.98%	7.23%	9.37%

Figure 58. Supply-Demand Profile of BATELEC II



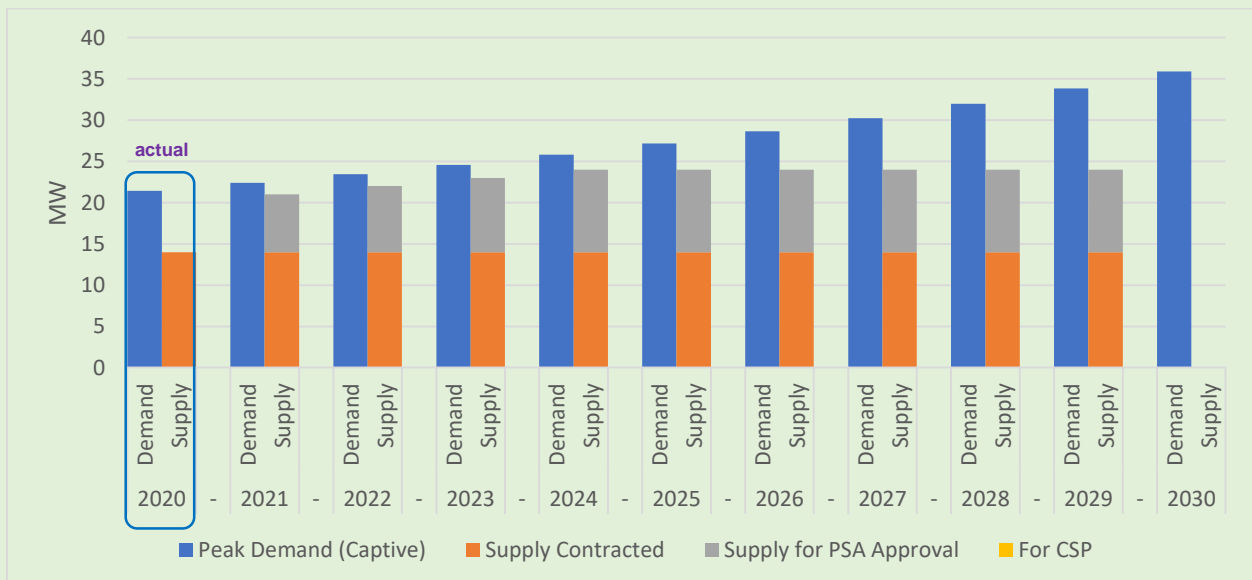
BATELEC II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	140.73	152.78	153.32	158.54	158.71	162.58	164.46	166.58	168.46	170.29	171.89
Supply Contracted	118.00	118.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	115.00	
Supply for PSA Approval											
Uncontracted Requirements		34.78	38.32	43.54	43.71	47.58	49.46	51.58	53.46	55.29	171.89
Incremental Requirements			3.54	5.22	0.17	3.87	1.88	2.12	1.88	1.83	116.60
For CSP		-	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
CSP Schedule											
Baseload (2021-2030)			5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Baseload (2022-2030)			5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Uncontracted Requirements after CSP		34.78	28.32	33.54	33.71	37.58	39.46	41.58	43.46	45.29	161.89
% - Uncontracted Requirements after CSP vs Peak Demand		22.76%	18.47%	21.16%	21.24%	23.11%	23.99%	24.96%	25.80%	26.60%	94.18%

Figure 59. Supply-Demand Profile of BATELEC II – Off-Grid



BATELEC II - Off-Grid	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	0.80	0.82	0.84	0.86	0.85	0.87	0.87	0.88	0.89	0.90	0.91
Supply Contracted	0.73	0.79	0.85	0.91							
Supply for PSA Approval											
Uncontracted Requirements		0.03	- 0.01	- 0.05	0.85	0.87	0.87	0.88	0.89	0.90	0.91
Incremental Requirements			- 0.04	- 0.04	0.90	0.02	-	0.01	0.01	0.01	0.01
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		0.03	- 0.01	- 0.05	0.85	0.87	0.87	0.88	0.89	0.90	0.91
% - Uncontracted Requirements after CSP vs Peak Demand		3.66%	-1.19%	-5.81%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Figure 60. Supply-Demand Profile of FLECO



FLECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	21.44	22.41	23.45	24.59	25.83	27.17	28.64	30.24	31.97	33.85	35.90
Supply Contracted	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
Supply for PSA Approval	6.00	7.00	8.00	9.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Uncontracted Requirements		1.41	1.45	1.59	1.83	3.17	4.64	6.24	7.97	9.85	35.90
Incremental Requirements			0.04	0.14	0.24	1.34	1.47	1.60	1.73	1.88	26.05
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		1.41	1.45	1.59	1.83	3.17	4.64	6.24	7.97	9.85	35.90
% - Uncontracted Requirements after CSP vs Peak Demand		6.29%	6.18%	6.47%	7.08%	11.67%	16.20%	20.63%	24.93%	29.10%	100.00%

Figure 61. Supply-Demand Profile of QUEZELCO I



QUEZELCO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	38.16	42.16	44.23	46.26	48.26	50.20	52.11	53.95	55.77	57.54	59.28
Supply Contracted	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00			
Supply for PSA Approval											
Uncontracted Requirements		15.16	17.23	19.26	21.26	23.20	25.11	26.95	55.77	57.54	59.28
Incremental Requirements			2.07	2.03	1.99	1.94	1.91	1.85	28.82	1.77	1.73
For CSP		-	5.00	6.00	7.00	8.00	9.00	10.00	47.00	47.00	47.00
CSP Schedule											
Intermediate (2022-2027)			5.00	6.00	7.00	8.00	9.00	10.00			
Baseload (2022-2027)									47.00	47.00	47.00
Uncontracted Requirements after CSP		15.16	12.23	13.26	14.26	15.20	16.11	16.95	8.77	10.54	12.28
% - Uncontracted Requirements after CSP vs Peak Demand		35.97%	27.66%	28.67%	29.54%	30.28%	30.91%	31.42%	15.73%	18.32%	20.71%

Figure 62. Supply-Demand Profile of QUEZELCO II

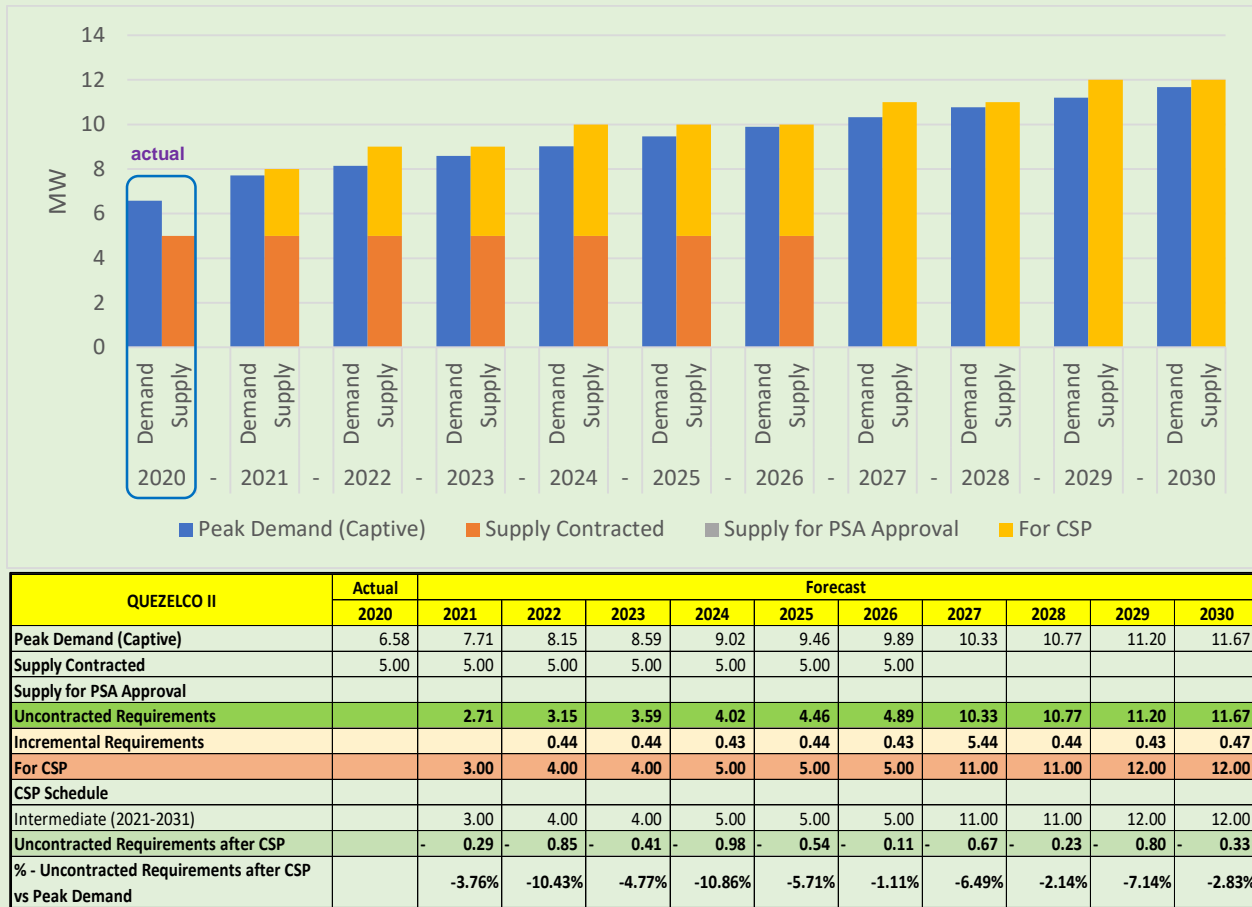
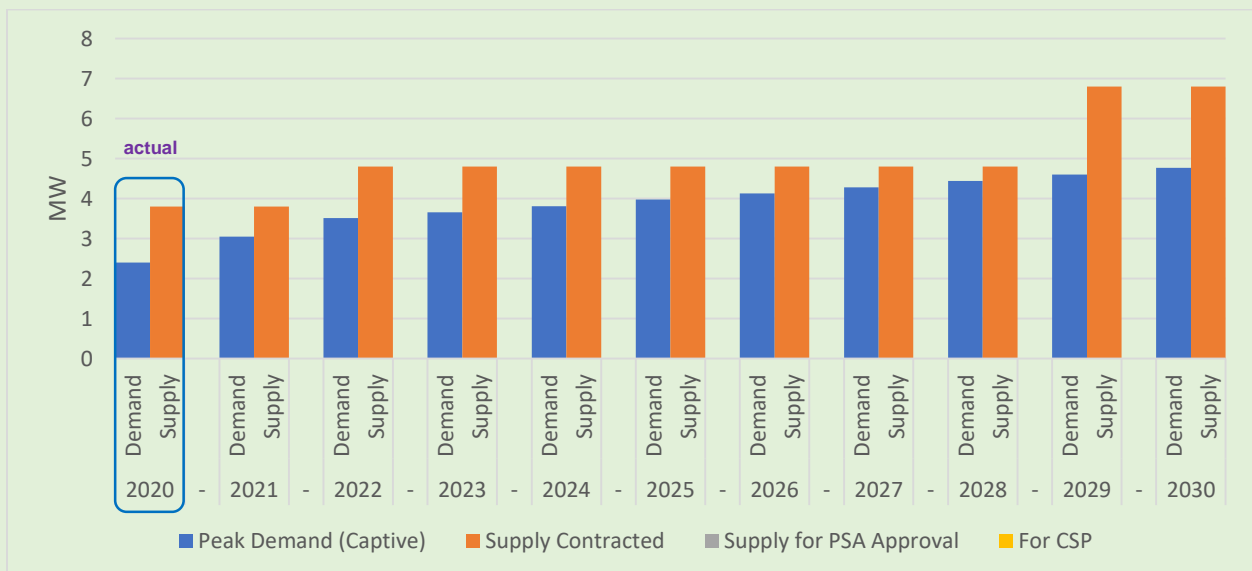


Figure 63. Supply-Demand Profile of QUEZELCO II – Off-Grid

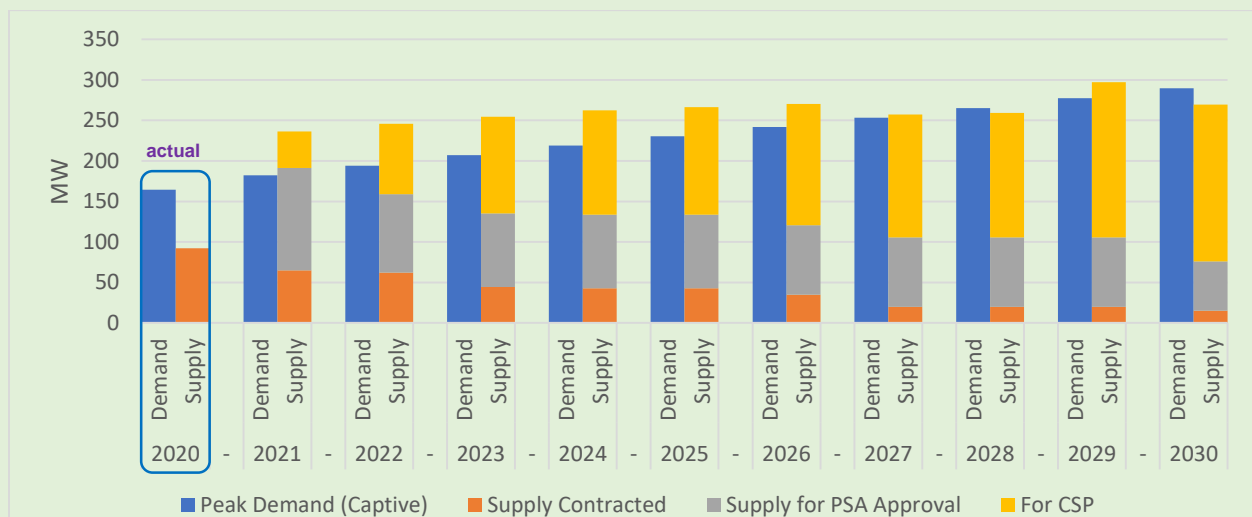


QUEZELCO II - Off-Grid	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	2.40	3.05	3.51	3.66	3.81	3.98	4.13	4.28	4.44	4.60	4.77
Supply Contracted	3.80	3.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	6.80	6.80
Supply for PSA Approval											
Uncontracted Requirements		- 0.75	- 1.29	- 1.14	- 0.99	- 0.82	- 0.67	- 0.52	- 0.36	- 2.20	- 2.03
Incremental Requirements			0.54	0.15	0.15	0.17	0.15	0.15	0.16	1.84	0.17
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		- 0.75	- 1.29	- 1.14	- 0.99	- 0.82	- 0.67	- 0.52	- 0.36	- 2.20	- 2.03
% - Uncontracted Requirements after CSP vs Peak Demand		-24.59%	-36.75%	-31.15%	-25.98%	-20.60%	-16.22%	-12.15%	-8.11%	-47.83%	-42.56%

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Figure 64 shows the aggregated supply-demand profiles of DUs in MIMAROPA, which are all off-grid area. They registered a non-coincident peak demand of 164.62 MW for the captive customers in 2020, which was forecasted to increase from 182.23 MW in 2021 to 289.67 MW in 2030 with an AAGR of 5.83% for the ten-year planning period.

Figure 64. Supply-Demand Profile of MIMAROPA DUs

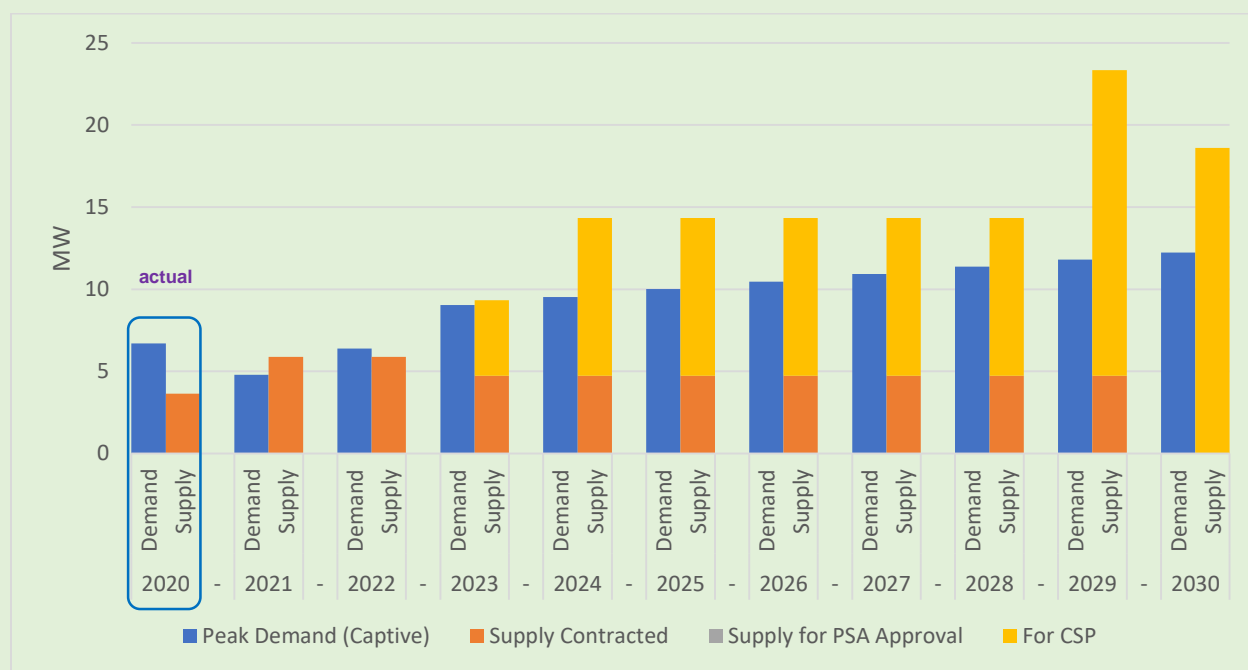


Region IV-B	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	164.62	182.23	194.12	207.22	218.90	230.24	241.74	253.42	265.25	277.39	289.67
Supply Contracted	92.06	65.01	61.99	44.35	42.84	42.84	34.84	19.74	19.74	19.74	15.00
Supply for PSA Approval	106.35	126.50	97.00	90.90	90.90	90.90	85.90	85.90	85.90	85.90	60.90
Uncontracted Requirements		- 9.28	35.13	71.97	85.16	96.51	121.00	147.79	159.61	171.75	213.77
Incremental Requirements			44.41	36.83	13.20	11.34	24.50	26.78	11.82	12.14	42.02
For CSP		45.00	86.85	119.25	128.50	132.50	149.50	151.50	153.50	191.50	193.50
CSP Schedule											
Uncontracted Requirements after CSP		45.00	86.85	119.25	128.50	132.50	149.50	151.50	153.50	191.50	193.50
% - Uncontracted Requirements after CSP vs Peak Demand		-29.78%	-26.64%	-22.82%	-19.80%	-15.63%	-11.79%	-1.47%	2.30%	-7.12%	7.00%

For the entire planning period, MIMAROPA DUs has a schedule for CSP ranging from 86.85 MW to 193.50 MW. Majority of the requirements for CSP are from PALECO, OMECO, OMECO and MARELCO.

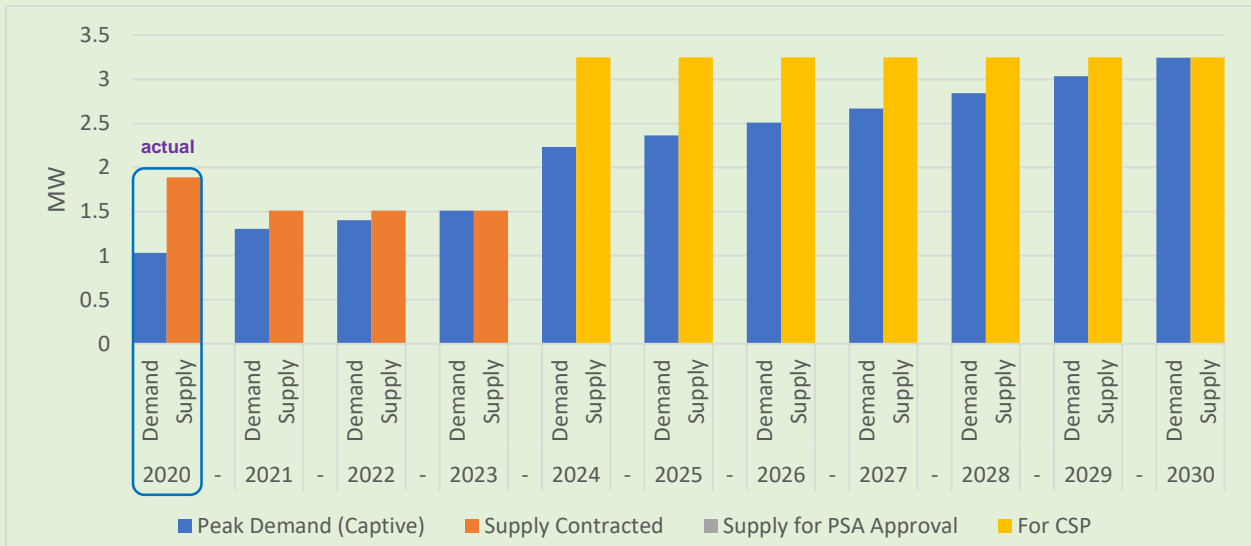
The following are the Supply-Demand Profile of each DU in MIMAROPA Region:

Figure 65. Supply-Demand Profile of BISELCO



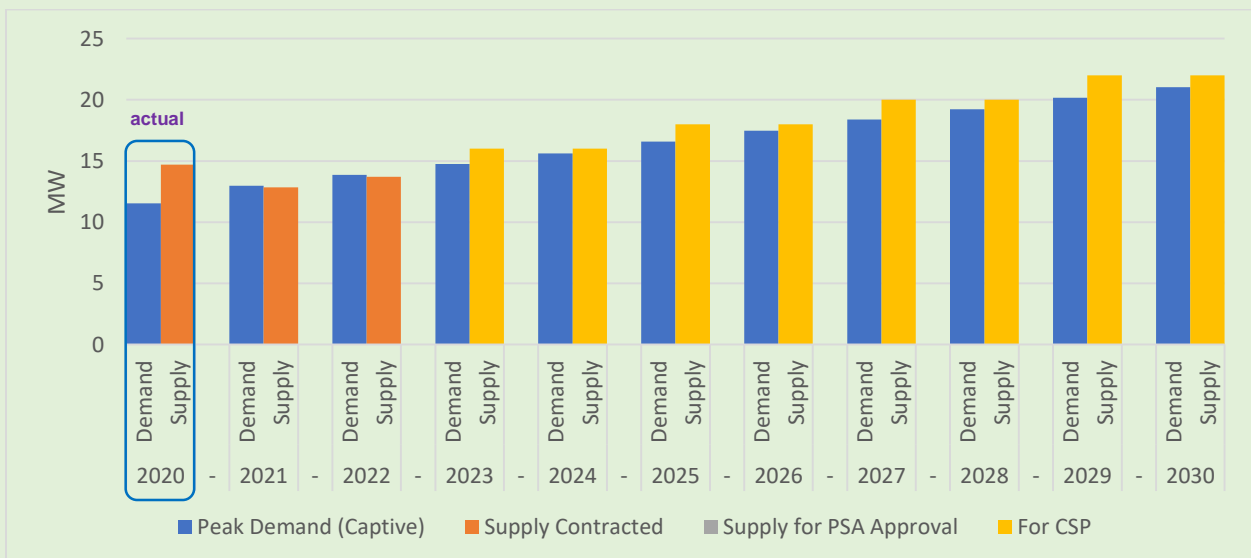
BISELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	6.71	4.80	6.40	9.04	9.53	10.01	10.47	10.93	11.37	11.81	12.23
Supply Contracted	3.65	5.88	5.88	4.74	4.74	4.74	4.74	4.74	4.74	4.74	
Supply for PSA Approval											
Uncontracted Requirements		- 1.08	0.52	4.30	4.79	5.27	5.73	6.19	6.63	7.07	12.23
Incremental Requirements			1.60	3.78	0.49	0.48	0.46	0.46	0.44	0.44	5.16
For CSP		-	-	4.60	9.60	9.60	9.60	9.60	9.60	18.60	18.60
CSP Schedule											
Intermediate-Embedded RE (2023-2043)				4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
Intermediate (2024-2038)					5.00	5.00	5.00	5.00	5.00	5.00	5.00
Baseload (2029-2044)											9.00
Uncontracted Requirements after CSP		- 1.08	0.52	- 0.30	- 4.81	- 4.33	- 3.87	- 3.41	- 2.97	- 11.53	- 6.37
% - Uncontracted Requirements after CSP vs Peak Demand		-22.46%	8.16%	-3.30%	-50.45%	-43.24%	-36.94%	-31.18%	-26.10%	-97.61%	-52.09%

Figure 66. Supply-Demand Profile of LUBELCO



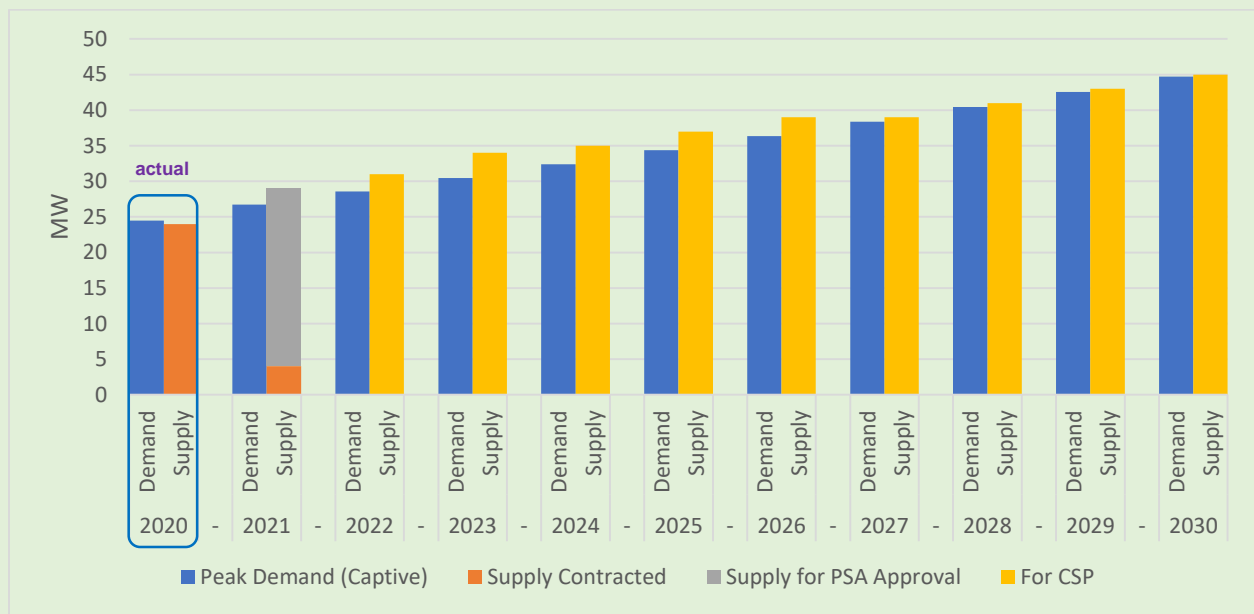
LUBELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	1.03	1.30	1.40	1.51	2.23	2.36	2.51	2.67	2.85	3.04	3.25
Supply Contracted	1.89	1.51	1.51	1.51							
Supply for PSA Approval											
Uncontracted Requirements		- 0.21	- 0.11	0.00	2.23	2.36	2.51	2.67	2.85	3.04	3.25
Incremental Requirements			0.10	0.11	2.23	0.13	0.15	0.16	0.18	0.19	0.21
For CSP		-	-	-	3.25	3.25	3.25	3.25	3.25	3.25	3.25
CSP Schedule											
Baseload (2024-2030)					3.25	3.25	3.25	3.25	3.25	3.25	3.25
Uncontracted Requirements after CSP		- 0.21	- 0.11	0.00	- 1.02	- 0.89	- 0.74	- 0.58	- 0.41	- 0.21	- 0.00
% - Uncontracted Requirements after CSP vs Peak Demand		-15.80%	-7.63%	0.13%	-45.61%	-37.48%	-29.53%	-21.77%	-14.24%	-7.01%	-0.09%

Figure 67. Supply-Demand Profile of MARELCO



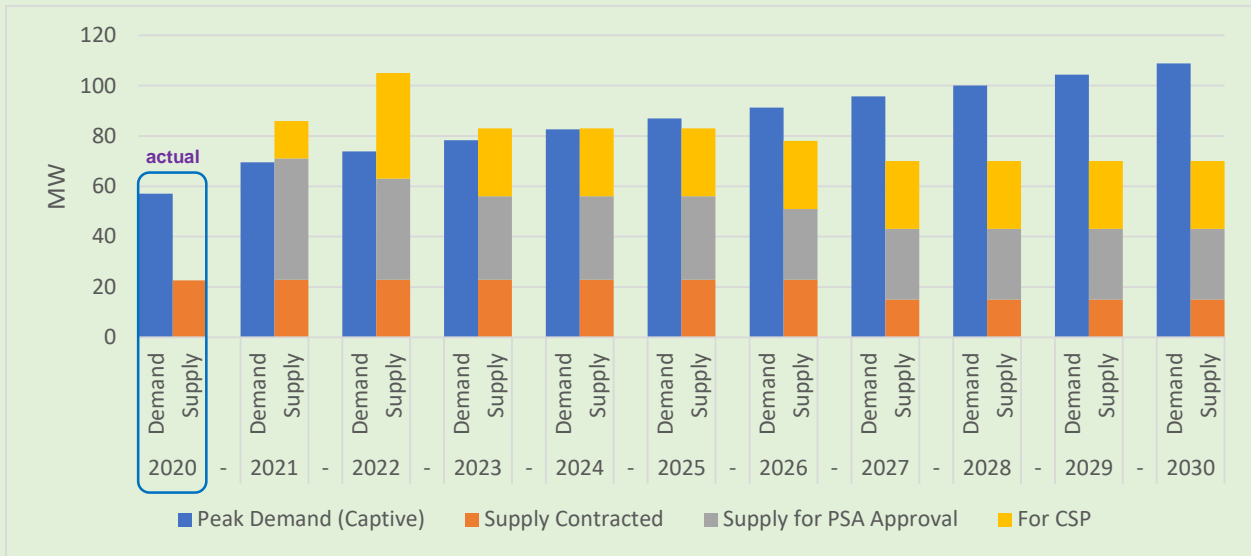
MARELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	11.53	12.97	13.87	14.77	15.63	16.58	17.48	18.38	19.22	20.16	21.04
Supply Contracted	14.70	12.86	13.70								
Supply for PSA Approval											
Uncontracted Requirements		0.11	0.17	14.77	15.63	16.58	17.48	18.38	19.22	20.16	21.04
Incremental Requirements			0.06	14.60	0.86	0.95	0.90	0.90	0.84	0.94	0.88
For CSP		-	-	16.00	16.00	18.00	18.00	20.00	20.00	22.00	22.00
CSP Schedule											
Baseload (2022-2037)				16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
Intermediate (2025-2039)						2.00	2.00	2.00	2.00	2.00	2.00
Intermediate (2027-2041)								2.00	2.00	2.00	2.00
Intermediate (2029-2043)										2.00	2.00
Uncontracted Requirements after CSP		0.11	0.17	- 1.23	- 0.37	- 1.42	- 0.52	- 1.62	- 0.78	- 1.84	- 0.96
% - Uncontracted Requirements after CSP vs Peak Demand		0.85%	1.23%	-8.33%	-2.37%	-8.56%	-2.97%	-8.81%	-4.06%	-9.13%	-4.56%

Figure 68. Supply-Demand Profile of OMECO



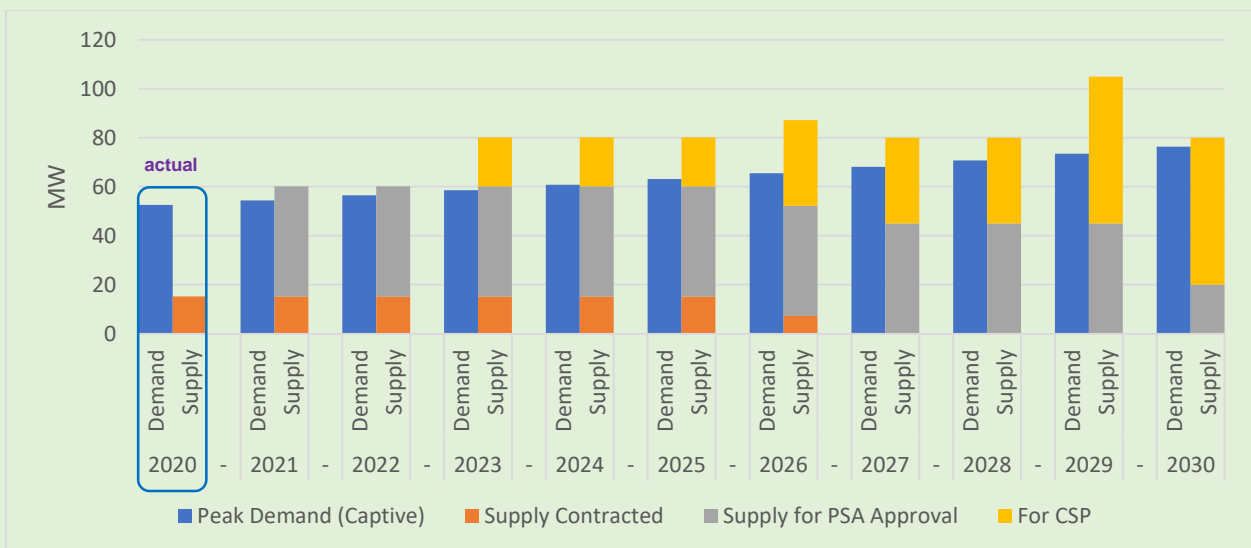
OMEKO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	24.48	26.73	28.58	30.47	32.39	34.35	36.35	38.38	40.46	42.57	44.72
Supply Contracted	24.00	4.00									
Supply for PSA Approval		25.00									
Uncontracted Requirements		- 2.27	28.58	30.47	32.39	34.35	36.35	38.38	40.46	42.57	44.72
Incremental Requirements			30.85	1.89	1.92	1.96	2.00	2.03	2.08	2.11	2.15
For CSP		-	31.00	34.00	35.00	37.00	39.00	39.00	41.00	43.00	45.00
CSP Schedule											
Baseload/Peaking (2021-2026)			31.00	34.00	35.00	37.00	39.00				
Baseload/Peaking (2027-2030)								39.00	41.00	43.00	45.00
Uncontracted Requirements after CSP		- 2.27	- 2.42	- 3.53	- 2.61	- 2.65	- 2.65	- 0.62	- 0.54	- 0.43	- 0.28
% - Uncontracted Requirements after CSP vs Peak Demand		-8.49%	-8.47%	-11.59%	-8.06%	-7.71%	-7.29%	-1.62%	-1.33%	-1.01%	-0.63%

Figure 69. Supply-Demand Profile of ORMECO



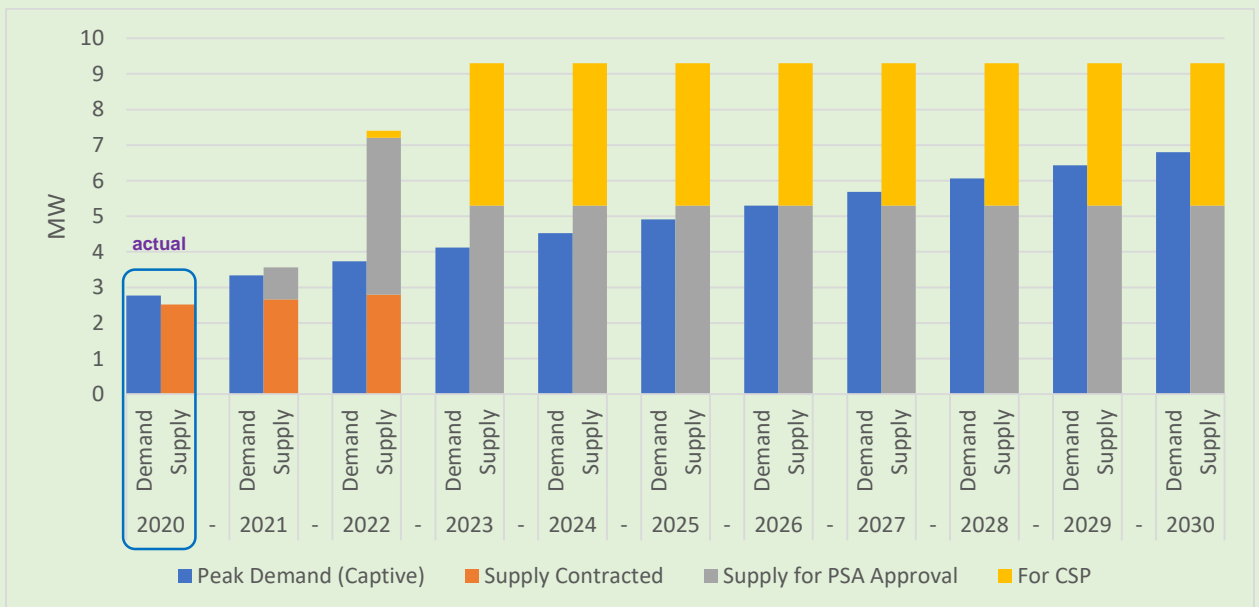
ORMECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	57.08	69.53	73.89	78.25	82.61	86.97	91.34	95.70	100.06	104.42	108.78
Supply Contracted	22.60	22.90	22.90	22.90	22.90	22.90	22.90	15.00	15.00	15.00	15.00
Supply for PSA Approval	56.95	48.10	40.10	33.10	33.10	33.10	28.10	28.10	28.10	28.10	28.10
Uncontracted Requirements		- 1.47	10.89	22.25	26.61	30.97	40.34	52.60	56.96	61.32	65.68
Incremental Requirements			12.36	11.36	4.36	4.36	9.37	12.26	4.36	4.36	4.36
For CSP		15.00	42.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
CSP Schedule											
Intermediate (2021-2022) (Interim Calapan)		5.00	5.00								
Intermediate (2021-2022) (Interim Bansud)		5.00	5.00								
Intermediate (2022-2037)			27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
Intermediate (2021-2022) (Interim Roxas)		5.00	5.00								
Uncontracted Requirements after CSP		- 16.47	- 31.11	- 4.75	- 0.39	3.97	13.34	25.60	29.96	34.32	38.68
% - Uncontracted Requirements after CSP vs Peak Demand		-23.69%	-42.10%	-6.07%	-0.47%	4.56%	14.60%	26.75%	29.94%	32.87%	35.56%

Figure 70. Supply-Demand Profile of PALECO



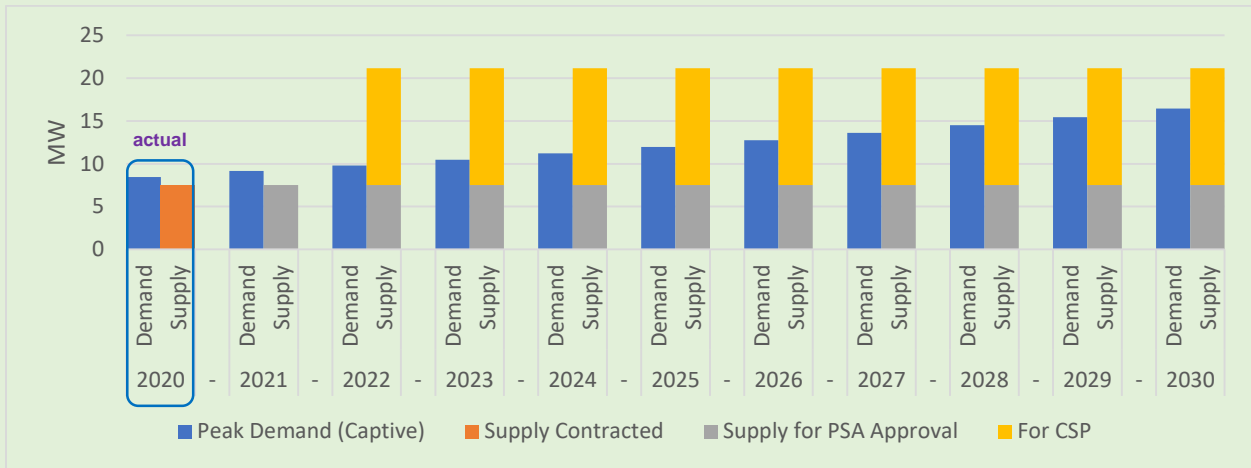
PALECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	52.56	54.40	56.45	58.57	60.79	63.11	65.54	68.08	70.74	73.51	76.39
Supply Contracted	15.20	15.20	15.20	15.20	15.20	15.20	7.20				
Supply for PSA Approval	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	20.00
Uncontracted Requirements		- 5.80	- 3.75	- 1.63	0.59	2.91	13.34	23.08	25.74	28.51	56.39
Incremental Requirements			2.05	2.12	2.22	2.32	10.43	9.74	2.66	2.77	27.88
For CSP		-	-	20.00	20.00	20.00	35.00	35.00	35.00	60.00	60.00
CSP Schedule											
Peaking (2022-2036)				5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Intermediate (2022-2036)				15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Baseload (2026-2041)							15.00	15.00	15.00	15.00	15.00
Baseload (2028-2043)										25.00	25.00
Uncontracted Requirements after CSP		- 5.80	- 3.75	- 21.63	- 19.41	- 17.09	- 21.66	- 11.92	- 9.26	- 31.49	- 3.61
% - Uncontracted Requirements after CSP vs Peak Demand		-10.67%	-6.64%	-36.92%	-31.93%	-27.08%	-33.05%	-17.50%	-13.09%	-42.83%	-4.72%

Figure 71. Supply-Demand Profile of ROMELCO



ROMELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	2.77	3.34	3.73	4.12	4.52	4.91	5.30	5.68	6.06	6.43	6.80
Supply Contracted	2.52	2.66	2.80								
Supply for PSA Approval	4.40	0.90	4.40	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.30
Uncontracted Requirements		- 0.22	- 3.47	- 1.18	- 0.78	- 0.39	-	0.38	0.76	1.13	1.50
Incremental Requirements			3.25	2.29	0.40	0.39	0.39	0.38	0.38	0.37	0.37
For CSP		-	0.20	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
CSP Schedule											
Intermediate (2021-2030)			0.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
Intermediate (2023-2030)				1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
Uncontracted Requirements after CSP		- 0.22	- 3.67	- 5.18	- 4.78	- 4.39	- 4.00	- 3.62	- 3.24	- 2.87	- 2.50
% - Uncontracted Requirements after CSP vs Peak Demand		-6.59%	-98.39%	-125.73%	-105.75%	-89.41%	-75.47%	-63.73%	-53.47%	-44.63%	-36.76%

Figure 72. Supply-Demand Profile of TIELCO

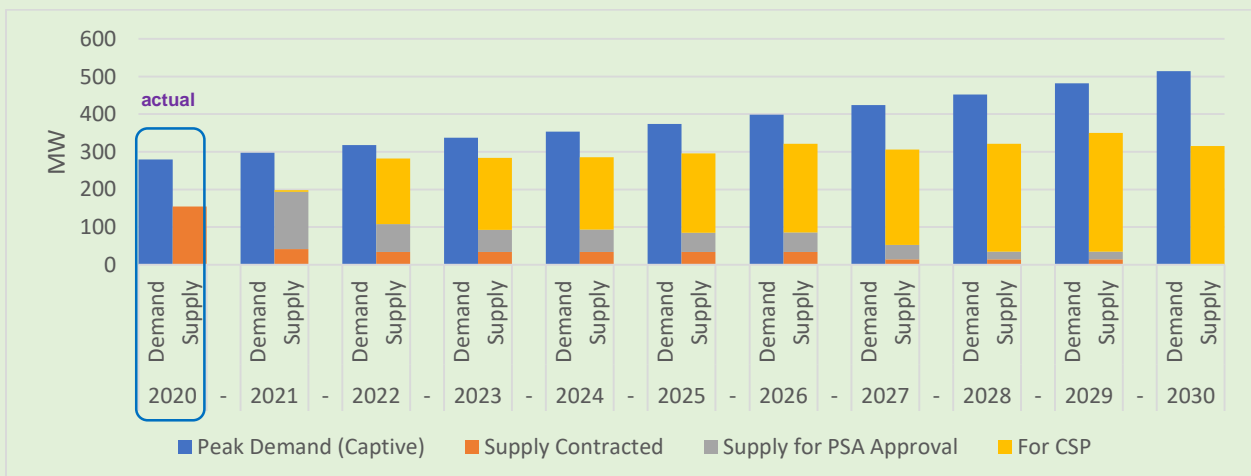


TIELCO	Actual		Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Peak Demand (Captive)	8.46	9.16	9.80	10.48	11.20	11.95	12.75	13.60	14.49	15.45	16.46	
Supply Contracted	7.50											
Supply for PSA Approval		7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	
Uncontracted Requirements		1.66	2.30	2.98	3.70	4.45	5.25	6.10	6.99	7.95	8.96	
Incremental Requirements			0.64	0.68	0.72	0.75	0.80	0.85	0.89	0.96	1.01	
For CSP		-	13.65	13.65	13.65	13.65	13.65	13.65	13.65	13.65	13.65	
CSP Schedule												
Intermediate (2022-2034)			13.65	13.65	13.65	13.65	13.65	13.65	13.65	13.65	13.65	
Uncontracted Requirements after CSP		1.66	11.35	10.67	9.95	9.20	8.40	7.55	6.66	5.70	4.69	
% - Uncontracted Requirements after CSP vs Peak Demand		18.12%	-115.82%	-101.81%	-88.84%	-76.99%	-65.88%	-55.51%	-45.96%	-36.89%	-28.49%	

➤ **REGION V (BICOL REGION)**

The DUs in Region V registered a non-coincident peak demand of 279.90 MW for its captive customers in 2020, which was forecasted to increase from 297.54 MW in 2021 to 514.79 MW in 2030 with an AAGR of 6.28% for the ten-year planning horizon. Region V will have a supply deficit of 103.84 MW in 2021 and projected to grow annually.

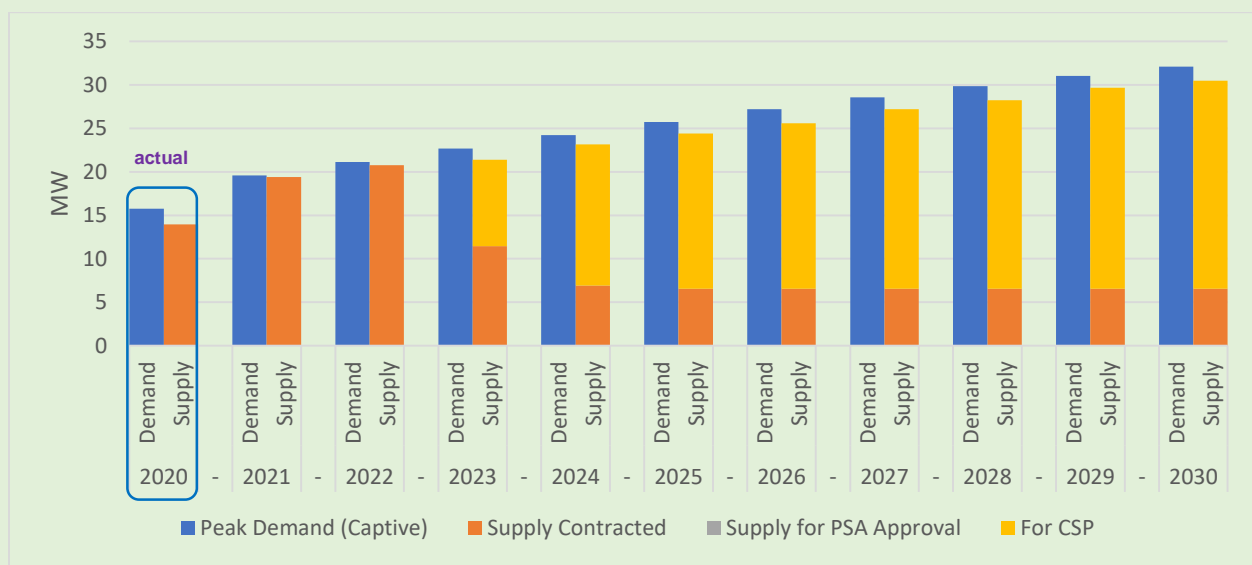
Figure 73. Supply-Demand Profile of Region V DUs



Region V	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	279.90	297.54	317.74	337.07	353.75	374.40	398.90	424.61	452.34	482.34	514.79
Supply Contracted	154.26	41.60	33.60	33.60	34.10	34.10	34.10	14.60	14.60	14.60	0.60
Supply for PSA Approval	20.00	152.10	74.21	58.70	59.50	50.40	51.50	38.00	20.00	20.00	-
Uncontracted Requirements		103.84	209.93	244.77	260.15	289.90	313.30	372.01	417.74	447.74	514.19
Incremental Requirements			106.08	34.85	15.38	29.75	23.40	58.70	45.74	29.99	66.45
For CSP		4.00	173.99	191.45	192.19	211.35	235.54	253.16	286.86	315.62	314.44
CSP Schedule											
		4.00	173.99	191.45	192.19	211.35	235.54	253.16	286.86	315.62	314.44
Uncontracted Requirements after CSP		99.84	35.94	53.32	67.97	78.56	77.77	118.85	130.89	132.12	199.75
% - Uncontracted Requirements after CSP vs Peak Demand		33.56%	11.31%	15.82%	19.21%	20.98%	19.50%	27.99%	28.93%	27.39%	38.80%

Region V DUs has a schedule for CSP ranging from 173.99 MW to 314.44 MW from 2022 to 2031. Majority of the requirements is through the proposed CSPs of ALECO, CANORECO and CASURECO II. With the proposed CSPs, the uncontracted requirements of Region V will be reduced to 11.31% - 38.80% of the region's overall requirements.

Figure 74. Supply-Demand Profile of Region V DUs – Off-Grid



Region V - Off-Grid	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	15.77	19.59	21.14	22.69	24.24	25.75	27.19	28.58	29.87	31.05	32.10
Supply Contracted	13.96	19.41	20.77	11.44	6.94	6.54	6.54	6.54	6.54	6.54	6.54
Supply for PSA Approval											
Uncontracted Requirements		0.18	0.37	11.26	17.30	19.21	20.66	22.04	23.33	24.51	25.56
Incremental Requirements			0.19	10.89	6.04	1.91	1.45	1.38	1.29	1.18	1.05
For CSP		-	-	9.96	16.23	17.87	19.06	20.68	21.72	23.15	23.95
CSP Schedule											
				9.96	16.23	17.87	19.06	20.68	21.72	23.15	23.95
Uncontracted Requirements after CSP		0.18	0.37	1.30	1.07	1.34	1.60	1.36	1.61	1.36	1.61
% - Uncontracted Requirements after CSP vs Peak Demand		0.91%	1.75%	5.72%	4.42%	5.21%	5.88%	4.75%	5.40%	4.39%	5.02%

Figure 74 shows the combined data of Rapu-Rapu Island and Batan Island under ALECO, Catanduanes Island being energized by FICELCO, and Ticao Island under TISELCO. All off-grid DUs are being supplied by NPC. In addition, FICELCO has SUWECO as an additional power supplier in the island of Catanduanes.

The following are the Supply-Demand Profile of each DU in Region V:

Figure 75. Supply-Demand Profile of ALECO



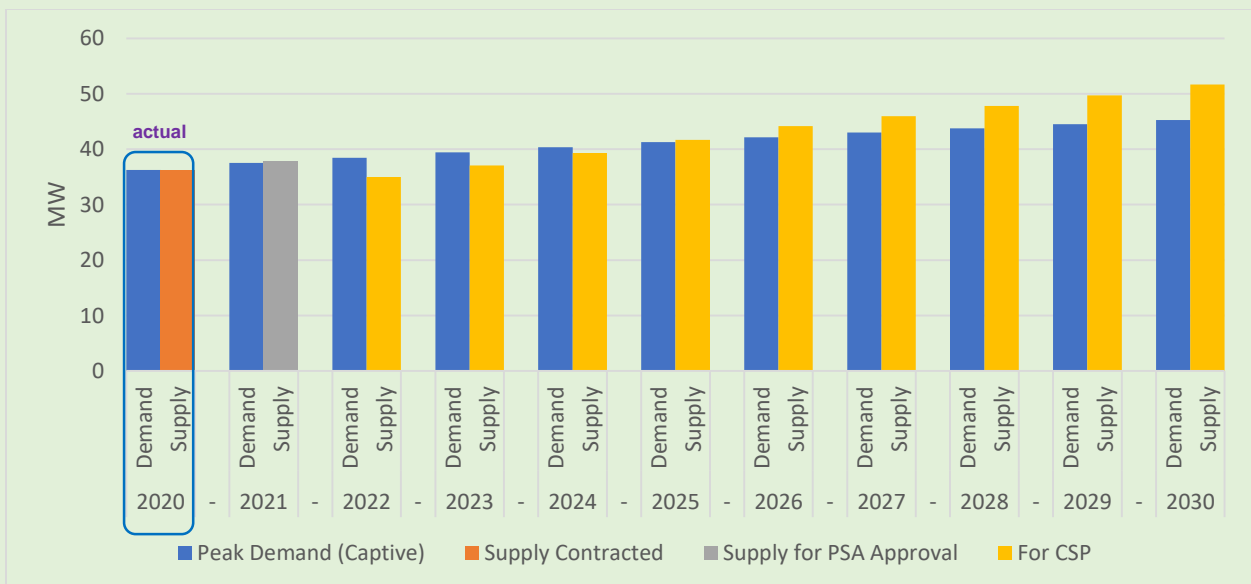
ALECO/APEC	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	83.60	93.09	101.65	111.48	122.70	135.47	149.94	166.27	184.57	205.02	227.74
Supply Contracted	30.00										
Supply for PSA Approval		40.00									
Uncontracted Requirements		53.09	101.65	111.48	122.70	135.47	149.94	166.27	184.57	205.02	227.74
Incremental Requirements			48.56	9.83	11.23	12.77	14.47	16.32	18.31	20.44	22.72
For CSP		-	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
CSP Schedule											
Baseload (2021-2036)			66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00
Intermediate (2021-2036)			25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Peaking (2021-2036)			9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
Uncontracted Requirements after CSP		53.09	1.65	11.48	22.70	35.47	49.94	66.27	84.57	105.02	127.74
% - Uncontracted Requirements after CSP vs Peak Demand		57.03%	1.63%	10.30%	18.50%	26.19%	33.31%	39.86%	45.82%	51.22%	56.09%

Figure 76. Supply-Demand Profile of ALECO – Off-Grid



ALECO/APEC - Off-Grid	Actual	Forecast										
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Peak Demand (Captive)	0.92	0.98	1.02	1.06	1.10	1.14	1.17	1.21	1.25	1.29	1.33	
Supply Contracted	1.08	1.06	1.15									
Supply for PSA Approval												
Uncontracted Requirements		- 0.08	- 0.13	1.06	1.10	1.14	1.17	1.21	1.25	1.29	1.33	
Incremental Requirements			- 0.05	1.19	0.04	0.04	0.03	0.04	0.04	0.04	0.04	
For CSP		-	-	-	-	-	-	-	-	-	-	
CSP Schedule												
Uncontracted Requirements after CSP		- 0.08	- 0.13	1.06	1.10	1.14	1.17	1.21	1.25	1.29	1.33	
% - Uncontracted Requirements after CSP vs Peak Demand		-8.16%	-12.75%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Figure 77. Supply-Demand Profile of CANORECO



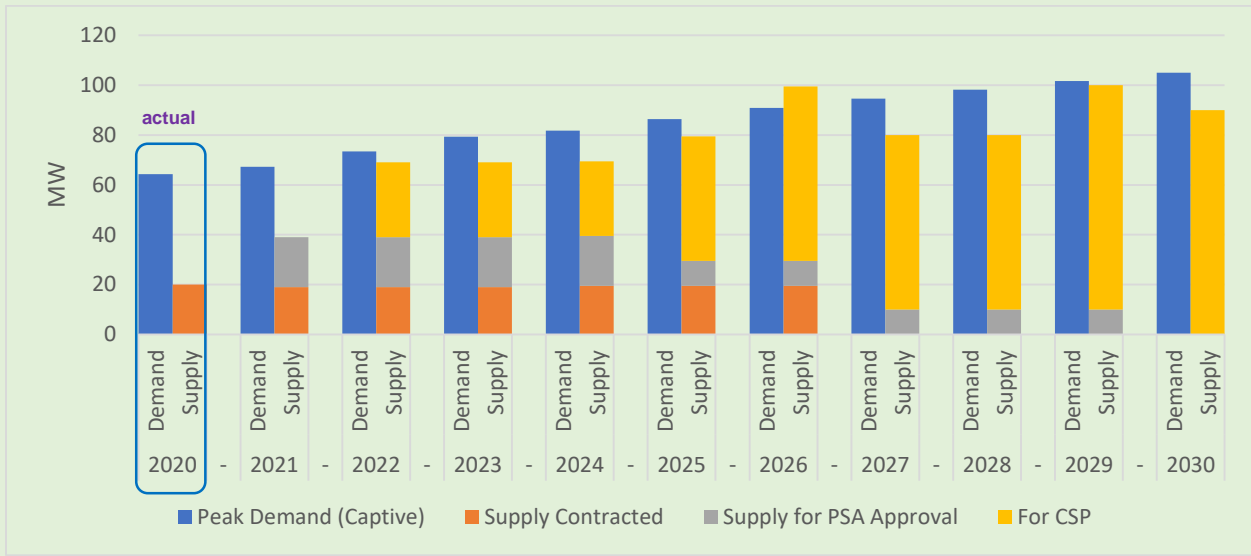
CANORECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	36.27	37.54	38.44	39.41	40.38	41.30	42.16	42.99	43.77	44.52	45.24
Supply Contracted	36.28										
Supply for PSA Approval		37.74									
Uncontracted Requirements		- 0.20	38.44	39.41	40.38	41.30	42.16	42.99	43.77	44.52	45.24
Incremental Requirements			38.64	0.97	0.97	0.92	0.86	0.83	0.78	0.75	0.72
For CSP		-	34.99	37.09	39.32	41.68	44.18	45.95	47.79	49.70	51.68
CSP Schedule											
Baseload, Intermediate, Peaking (2021-2036)			34.99	37.09	39.32	41.68	44.18	45.95	47.79	49.70	51.68
Uncontracted Requirements after CSP		- 0.20	3.45	2.32	1.06	- 0.38	- 2.02	- 2.96	- 4.02	- 5.18	- 6.44
% - Uncontracted Requirements after CSP vs Peak Demand		-0.53%	8.98%	5.89%	2.63%	-0.92%	-4.79%	-6.89%	-9.18%	-11.64%	-14.24%

Figure 78. Supply-Demand Profile of CASURECO I



CASURECO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	22.53	20.20	21.58	22.99	24.41	25.83	27.25	28.67	30.08	31.49	32.89
Supply Contracted	8.90										
Supply for PSA Approval		9.40	10.00	10.70	11.50	12.40	13.50	-	-	-	-
Uncontracted Requirements		10.80	11.58	12.29	12.91	13.43	13.75	28.67	30.08	31.49	32.89
Incremental Requirements			0.78	0.71	0.62	0.52	0.32	14.92	1.41	1.41	1.40
For CSP		-	-	-	-	-	-	14.17	14.36	14.55	14.74
CSP Schedule											
Baseload (2026-2036)								14.17	14.36	14.55	14.74
Uncontracted Requirements after CSP		10.80	11.58	12.29	12.91	13.43	13.75	14.50	15.72	16.94	18.15
% - Uncontracted Requirements after CSP vs Peak Demand		53.47%	53.66%	53.46%	52.89%	51.99%	50.46%	50.58%	52.26%	53.79%	55.18%

Figure 79. Supply-Demand Profile of CASURECO II



CASURECO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	64.36	67.23	73.40	79.39	81.80	86.33	90.89	94.61	98.19	101.64	104.96
Supply Contracted	20.00	19.00	19.00	19.00	19.50	19.50	19.50	19.50	19.50	19.50	19.50
Supply for PSA Approval	20.00	20.00	20.00	20.00	20.00	20.00	10.00	10.00	10.00	10.00	10.00
Uncontracted Requirements		28.23	34.40	40.39	42.30	56.83	61.39	84.61	88.19	91.64	104.96
Incremental Requirements			6.17	5.99	1.91	14.53	4.56	23.22	3.58	3.45	13.32
For CSP		-	30.00	30.00	30.00	50.00	70.00	70.00	70.00	90.00	90.00
CSP Schedule											
Intermediate (2022-2032)			20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Peaking (2022-2032)			10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Intermediate (2025-2035)						20.00	20.00	20.00	20.00	20.00	20.00
Baseload (2026-2036)							20.00	20.00	20.00	20.00	20.00
Baseload (2029-2039)										20.00	20.00
Uncontracted Requirements after CSP		28.23	4.40	10.39	12.30	6.83	- 8.61	14.61	18.19	1.64	14.96
% - Uncontracted Requirements after CSP vs Peak Demand		41.99%	5.99%	13.09%	15.04%	7.91%	-9.47%	15.44%	18.53%	1.61%	14.25%

Figure 80. Supply-Demand Profile of CASURECO III



CASURECO III	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	25.16	25.79	26.43	27.10	27.77	28.47	29.18	29.91	30.66	31.42	32.21
Supply Contracted	18.00										
Supply for PSA Approval		18.00	18.00	18.00	18.00	18.00	18.00	18.00			
Uncontracted Requirements		7.79	8.43	9.10	9.77	10.47	11.18	11.91	30.66	31.42	32.21
Incremental Requirements			0.64	0.67	0.67	0.70	0.71	0.73	18.75	0.76	0.79
For CSP		-	-	-	-	-	-	-	30.00	30.00	30.00
CSP Schedule											
Baseload (2028-2031)									30.00	30.00	30.00
Uncontracted Requirements after CSP		7.79	8.43	9.10	9.77	10.47	11.18	11.91	0.66	1.42	2.21
% - Uncontracted Requirements after CSP vs Peak Demand		30.21%	31.90%	33.58%	35.18%	36.78%	38.31%	39.82%	2.15%	4.52%	6.86%

Figure 81. Supply-Demand Profile of CASURECO IV



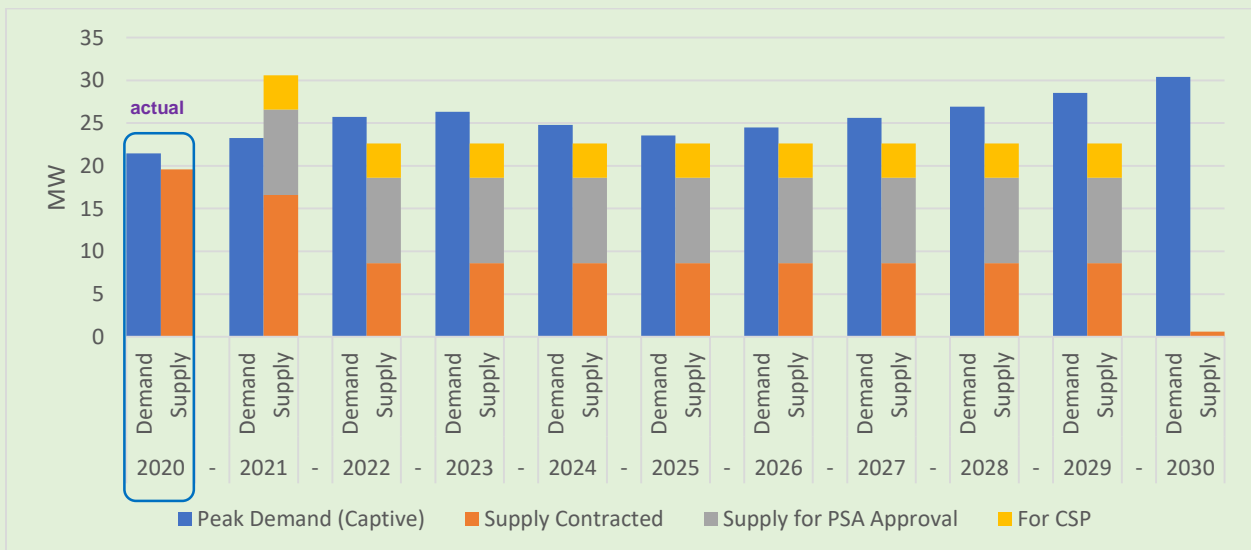
CASURECO IV	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	14.02	16.96	16.28	15.36	16.07	16.77	17.46	18.14	18.81	19.47	20.12
Supply Contracted	15.48										
Supply for PSA Approval		16.96	16.21								
Uncontracted Requirements		-	0.07	15.36	16.07	16.77	17.46	18.14	18.81	19.47	20.12
Incremental Requirements			0.07	15.29	0.71	0.70	0.69	0.68	0.67	0.66	0.65
For CSP		-	-	15.36	12.87	9.67	10.36	11.04	11.71	12.37	13.02
CSP Schedule											
Baseload (2022-2032)				15.36	12.87	9.67	10.36	11.04	11.71	12.37	13.02
Uncontracted Requirements after CSP		-	0.07	0.00	3.20	7.10	7.10	7.10	7.10	7.10	7.10
% - Uncontracted Requirements after CSP vs Peak Demand		0.00%	0.43%	-0.02%	19.93%	42.36%	40.69%	39.16%	37.75%	36.47%	35.28%

Figure 82. Supply-Demand Profile of SORECO I



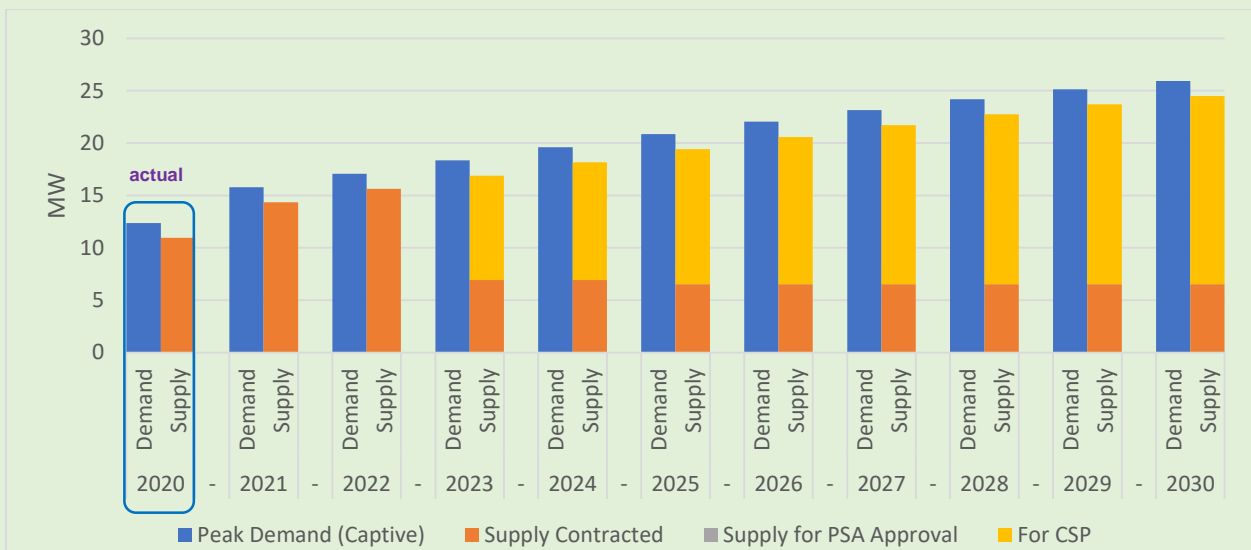
SORECO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	12.51	13.47	14.23	15.02	15.83	16.66	17.52	18.41	19.32	20.25	21.21
Supply Contracted	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	
Supply for PSA Approval											
Uncontracted Requirements		7.47	8.23	9.02	9.83	10.66	11.52	12.41	13.32	14.25	21.21
Incremental Requirements			0.76	0.79	0.81	0.83	0.86	0.89	0.91	0.93	6.96
For CSP		-	5.00	5.00	6.00	6.00	7.00	8.00	9.00	15.00	15.00
CSP Schedule											
Baseload (2022-2025)			5.00	5.00	6.00	6.00					
Baseload (2026-2040)							7.00	8.00	9.00	15.00	15.00
Uncontracted Requirements after CSP		7.47	3.23	4.02	3.83	4.66	4.52	4.41	4.32	- 0.75	6.21
% - Uncontracted Requirements after CSP vs Peak Demand		55.46%	22.70%	26.76%	24.19%	27.97%	25.80%	23.95%	22.36%	-3.70%	29.28%

Figure 83. Supply-Demand Profile of SORECO II



SORECO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	21.45	23.27	25.73	26.33	24.79	23.57	24.50	25.61	26.94	28.53	30.42
Supply Contracted	19.60	16.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	0.60
Supply for PSA Approval		10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Uncontracted Requirements	-	3.33	7.13	7.73	6.19	4.97	5.90	7.01	8.34	9.93	29.82
Incremental Requirements			10.46	0.60	1.54	1.22	0.93	1.11	1.33	1.59	19.89
For CSP		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	-
CSP Schedule											
Baseload (2021-2029)		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
Peaking (2021-2029)		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
Uncontracted Requirements after CSP	-	7.33	3.13	3.73	2.19	0.97	1.90	3.01	4.34	5.93	29.82
% - Uncontracted Requirements after CSP vs Peak Demand		-31.52%	12.15%	14.15%	8.83%	4.12%	7.76%	11.75%	16.11%	20.79%	98.03%

Figure 84. Supply-Demand Profile of FICELCO



FICELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	12.35	15.79	17.06	18.34	19.60	20.84	22.03	23.16	24.19	25.12	25.93
Supply Contracted	10.95	14.35	15.62	6.94	6.94	6.54	6.54	6.54	6.54	6.54	6.54
Supply for PSA Approval											
Uncontracted Requirements		1.44	1.44	11.40	12.67	14.31	15.50	16.62	17.66	18.59	19.39
Incremental Requirements			-	9.96	1.27	1.64	1.19	1.12	1.04	0.93	0.80
For CSP		-	-	9.96	11.23	12.87	14.06	15.18	16.22	17.15	17.95
CSP Schedule											
Baseload (2023-2028)				9.96	11.23	12.87	14.06	15.18	16.22	17.15	17.95
Uncontracted Requirements after CSP		1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44
% - Uncontracted Requirements after CSP vs Peak Demand		9.12%	8.44%	7.85%	7.35%	6.91%	6.54%	6.22%	5.95%	5.73%	5.55%

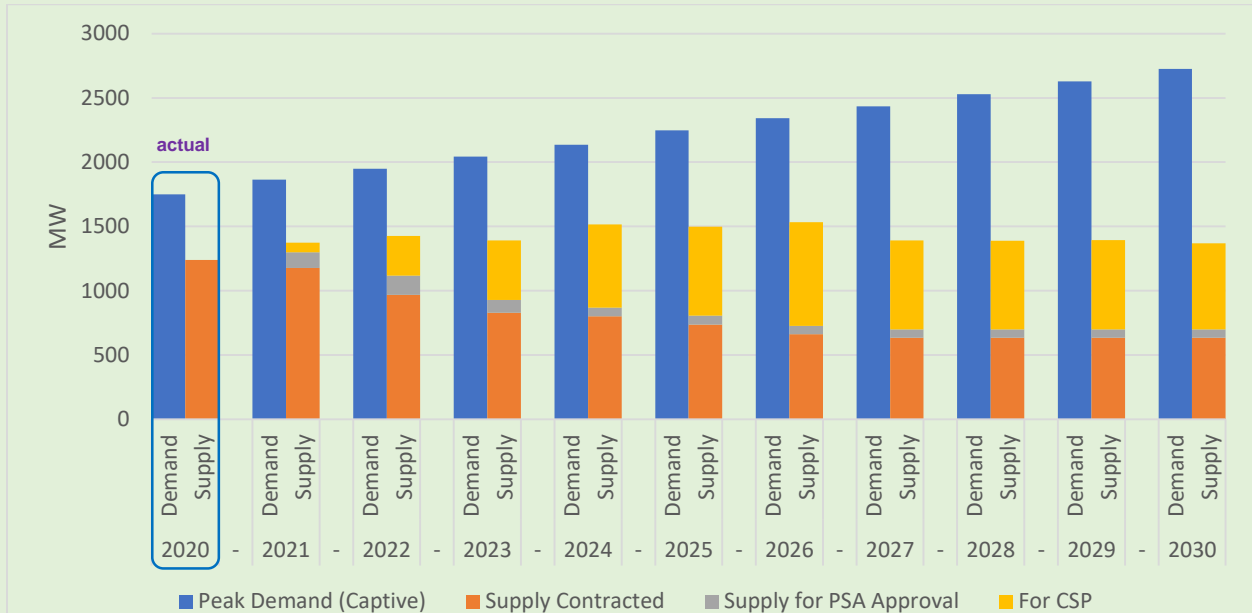
Figure 85. Supply-Demand Profile of TISELCO



TISELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	2.50	2.82	3.06	3.30	3.53	3.76	3.99	4.21	4.42	4.63	4.84
Supply Contracted	1.93	4.00	4.00	4.50							
Supply for PSA Approval											
Uncontracted Requirements	-	1.18	0.94	1.20	3.53	3.76	3.99	4.21	4.42	4.63	4.84
Incremental Requirements			0.24	0.26	4.73	0.23	0.23	0.22	0.22	0.21	0.21
For CSP					5.00	5.00	5.00	5.50	5.50	6.00	6.00
CSP Schedule											
Baseload (2024-2038)					5.00	5.00	5.00	5.50	5.50	6.00	6.00
Uncontracted Requirements after CSP		1.18	0.94	1.20	1.47	1.24	1.01	1.29	1.08	1.37	1.16
% - Uncontracted Requirements after CSP vs Peak Demand		-41.94%	-30.76%	-36.45%	-41.56%	-32.91%	-25.38%	-30.70%	-24.35%	-29.48%	-23.97%

VISAYAS

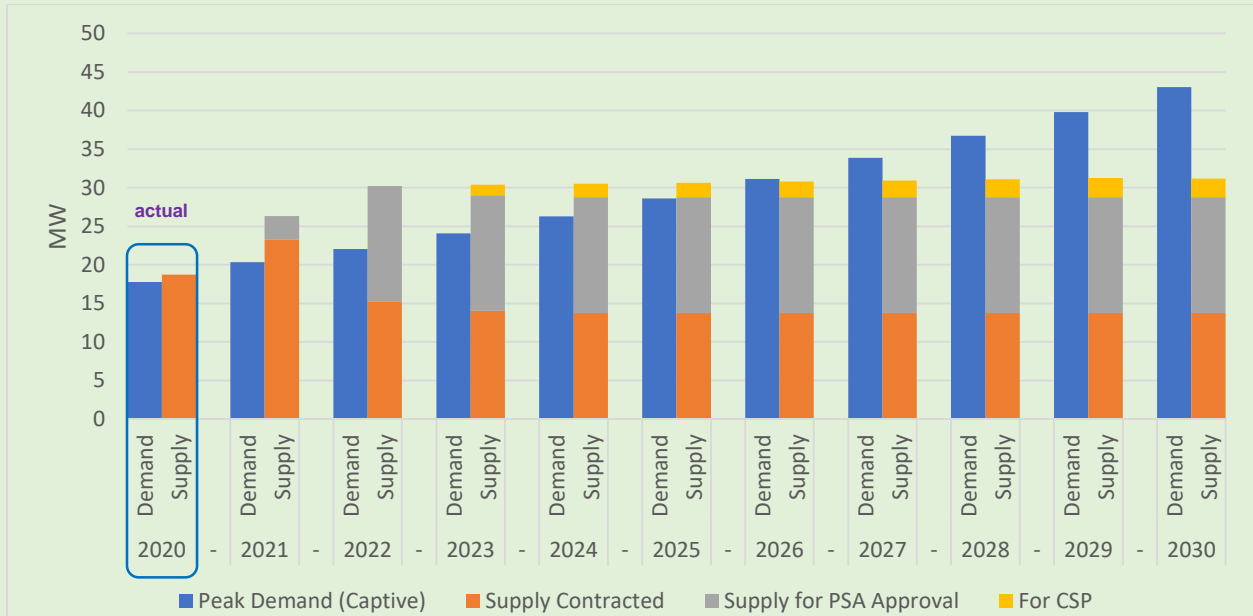
Figure 86. Supply-Demand Profile of Visayas DUs



VISAYAS	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	1,749.42	1,863.35	1,949.32	2,044.73	2,135.25	2,248.27	2,341.60	2,434.75	2,530.04	2,628.11	2,725.95
Supply Contracted	1,239.73	1,176.28	968.76	829.60	801.40	736.90	660.90	634.40	634.40	634.40	634.40
Supply for PSA Approval	25.00	123.10	148.10	98.10	68.10	68.10	66.60	63.60	63.60	63.60	64.60
Uncontracted Requirements		563.98	832.47	1,117.03	1,265.75	1,443.27	1,614.10	1,736.75	1,832.04	1,930.11	2,026.95
Incremental Requirements			268.49	284.57	148.71	177.52	170.83	122.66	95.29	98.07	96.85
For CSP		75.36	308.36	463.86	646.86	693.86	805.86	693.86	691.86	695.86	668.86
CSP Schedule		75.36	308.36	463.86	646.86	693.86	805.86	693.86	691.86	695.86	668.86
Uncontracted Requirements after CSP		488.62	524.11	653.17	618.89	749.41	808.24	1,042.89	1,140.18	1,234.25	1,358.09
% - Uncontracted Requirements after CSP vs Peak Demand		26.22%	26.89%	31.94%	28.98%	33.33%	34.52%	42.83%	45.07%	46.96%	49.82%

The non-coincident peak demand of Visayas reached 1,749.42 MW in 2020 and is projected to rise from 1,863.35 MW in 2021 to 2,725.95 MW in 2030, with a 4.54% AAGR over the entire planning period. In 2021, Visayas will have a supply deficit of 563.98 MW in 2021, which is expected to grow annually.

Figure 87. Supply-Demand Profile of Visayas DUs – Off-Grid



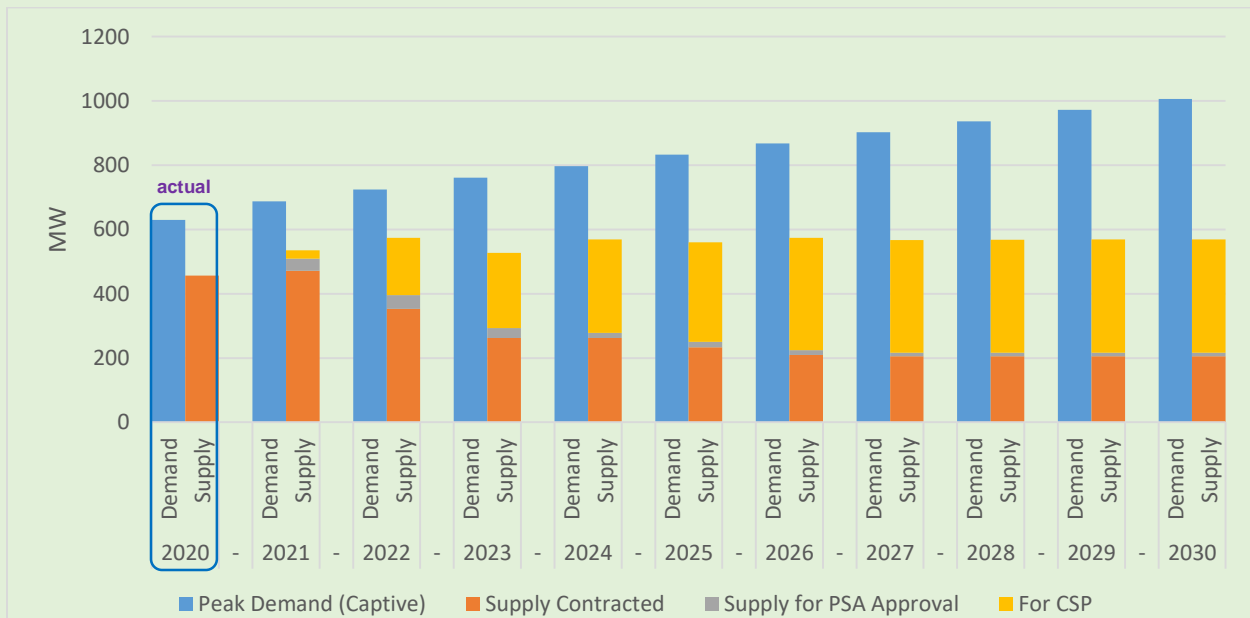
VISAYAS - Off-grid	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	17.79	20.33	22.04	24.09	26.26	28.61	31.14	33.86	36.75	39.82	43.05
Supply Contracted	18.74	23.31	15.20	14.02	13.76	13.76	13.76	13.76	13.76	13.76	13.76
Supply for PSA Approval		3.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Uncontracted Requirements		- 5.97	- 8.17	- 4.93	- 2.50	- 0.15	2.38	5.10	7.99	11.06	14.29
Incremental Requirements			- 2.19	3.24	2.43	2.35	2.53	2.72	2.88	3.07	3.24
For CSP		-	-	1.38	1.77	1.89	2.03	2.17	2.32	2.49	2.40
CSP Schedule		-	-	1.38	1.77	1.89	2.03	2.17	2.32	2.49	2.40
Uncontracted Requirements after CSP		- 5.97	- 8.17	- 6.31	- 4.27	- 2.04	0.36	2.93	5.66	8.57	11.89
% - Uncontracted Requirements after CSP vs Peak Demand		-29.38%	-37.06%	-26.21%	-16.26%	-7.14%	1.15%	8.66%	15.41%	21.51%	27.62%

In case of off-grid areas, Visayas DUs recorded a non-coincident peak demand of 17.79 MW in 2020 which is projected to increase from 20.33 MW in 2021 to 43.05 MW in 2030, with a 9.25% AAGR over the entire planning period. In 2021, Visayas will have a supply deficit of 5.97 MW in 2021, which is expected to rise annually.

➤ **REGION VI (WESTERN VISAYAS)**

The DUs in Region VI registered a non-coincident peak demand of 629.68 MW for its captive customers in 2020, which was forecasted to increase from 687.85 MW in 2021 to 1,005.78 MW in 2030 with an AAGR of 4.81% for the ten-year planning horizon. Region VI will have a supply deficit of 178.45 MW in 2021 and projected to grow annually.

Figure 88. Supply-Demand Profile of Region VI DUs

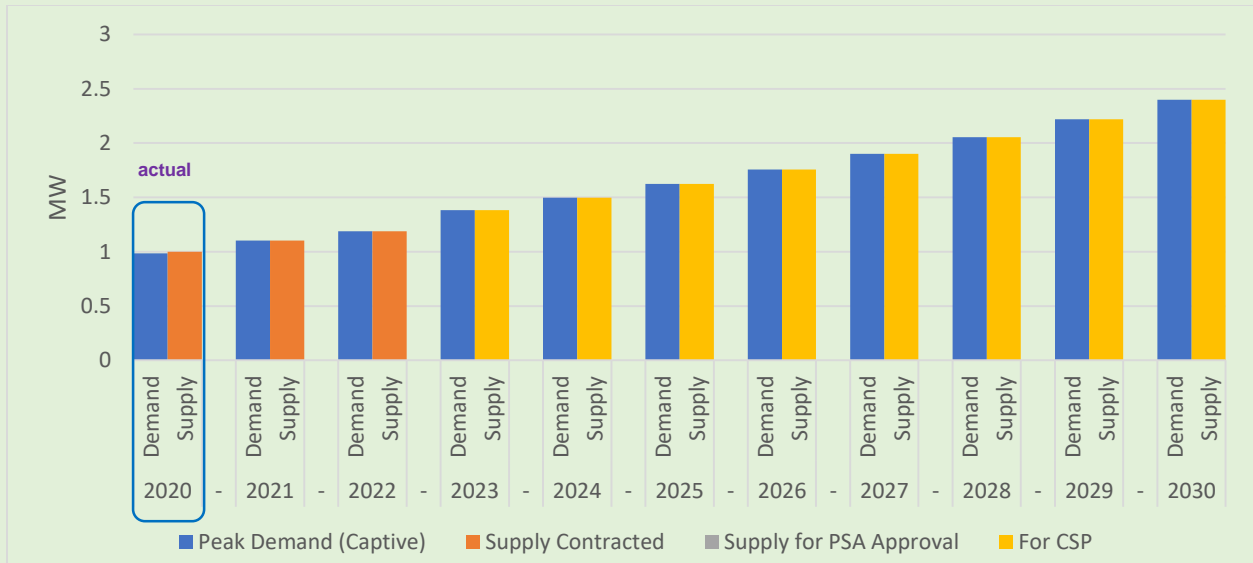


REGION VI	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	629.68	687.85	724.64	761.25	797.33	833.13	868.12	902.44	937.03	972.31	1,005.78
Supply Contracted	456.90	471.90	353.40	261.90	261.90	233.90	209.90	205.90	205.90	205.90	205.90
Supply for PSA Approval	13.00	37.50	42.50	31.50	16.50	16.50	15.00	11.00	11.00	11.00	11.00
Uncontracted Requirements		178.45	328.74	467.85	518.93	582.73	643.22	685.54	720.13	755.41	788.88
Incremental Requirements			150.29	139.11	51.09	63.80	60.49	42.32	34.58	35.28	33.47
For CSP		26.00	178.00	233.50	290.50	309.50	349.50	350.50	351.50	352.50	352.50
CSP Schedule		26.00	178.00	233.50	290.50	309.50	349.50	350.50	351.50	352.50	352.50
Uncontracted Requirements after CSP		152.45	150.74	234.35	228.43	273.23	293.72	335.04	368.63	402.91	436.38
% - Uncontracted Requirements after CSP vs Peak Demand		22.16%	20.80%	30.78%	28.65%	32.80%	33.83%	37.13%	39.34%	41.44%	43.39%

For the entire planning period, Region VI DUs has a schedule for CSP ranging from 26.0 MW to 352.50 MW. Majority of the requirements for CSP is through the Panay-Guimaras Electric Cooperative Power Consortium, Inc., an aggregation of DUs in Panay and Guimaras, while NOCECO and NONECO will conduct their CSP through the Negros Electric Cooperative Association. On the other hand, MEPC has already concluded the CSP for the baseload requirements and is preparing for the intermediate requirements.

With the proposed CSPs, the uncontracted requirements of Western Visayas will be reduced to 20.80% - 43.39% of the region's overall requirements.

Figure 89. Supply-Demand Profile of Region VI DUs – Off-Grid

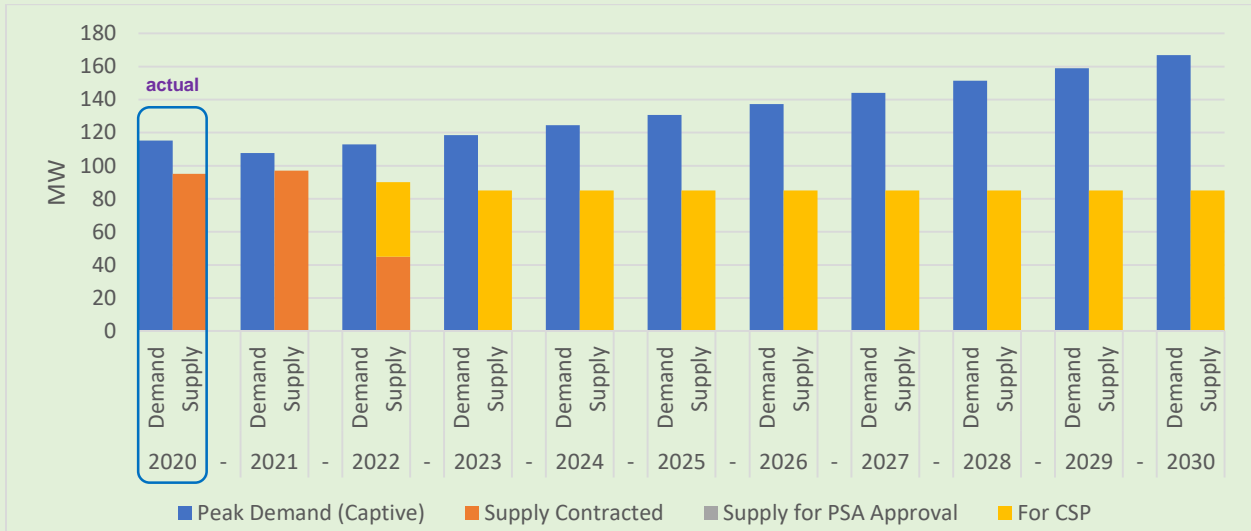


REGION VI - Off-grid	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	0.98	1.10	1.19	1.38	1.50	1.62	1.76	1.90	2.05	2.22	2.40
Supply Contracted	1.00	1.10	1.19								
Supply for PSA Approval											
Uncontracted Requirements		-	-	1.38	1.50	1.62	1.76	1.90	2.05	2.22	2.40
Incremental Requirements			-	1.38	0.12	0.12	0.13	0.14	0.15	0.17	0.18
For CSP		-	-	1.38	1.50	1.62	1.76	1.90	2.05	2.22	2.40
CSP Schedule		-	-	1.38	1.50	1.62	1.76	1.90	2.05	2.22	2.40
Uncontracted Requirements after CSP		-	-	-	-	-	-	-	-	-	-
% - Uncontracted Requirements after CSP vs Peak Demand		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Figure 89 shows the combined data of Caluya island under ANTECO and Gigantes Island under ILECO III. Both islands are supplied by NPC.

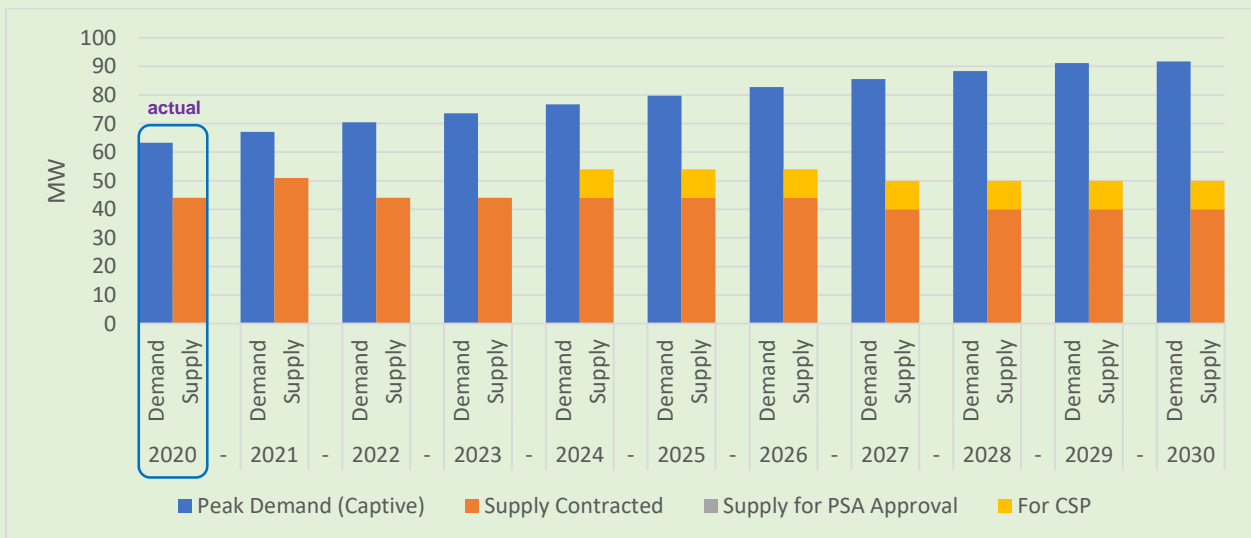
The following are the Supply-Demand Profile of each DU in Region VI:

Figure 90. Supply-Demand Profile of MEPC



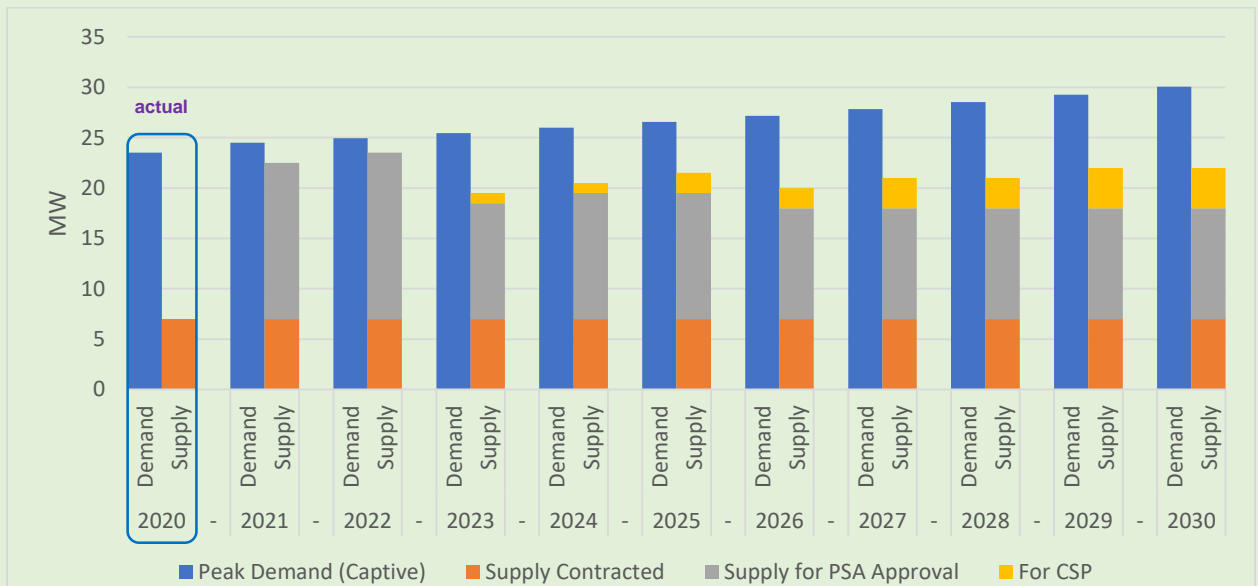
MEPC	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	115.18	107.64	112.94	118.59	124.51	130.74	137.28	144.14	151.35	158.92	166.86
Supply Contracted	95.00	97.00	45.00								
Supply for PSA Approval											
Uncontracted Requirements		10.64	67.94	118.59	124.51	130.74	137.28	144.14	151.35	158.92	166.86
Incremental Requirements			57.30	50.65	5.93	6.23	6.54	6.86	7.21	7.57	7.95
For CSP		-	45.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00
CSP Schedule											
Baseload - Phase 1 (2022-2032)			20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Baseload - Phase 2 (2022-2032)			25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Intermediate (2023-2032)				40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Uncontracted Requirements after CSP		10.64	22.94	33.59	39.51	45.74	52.28	59.14	66.35	73.92	81.86
% - Uncontracted Requirements after CSP vs Peak Demand		9.88%	20.31%	28.32%	31.73%	34.99%	38.08%	41.03%	43.84%	46.51%	49.06%

Figure 91. Supply-Demand Profile of AKELCO



AKELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	63.23	67.06	70.38	73.60	76.73	79.77	82.72	85.59	88.38	91.10	91.69
Supply Contracted	44.00	51.00	44.00	44.00	44.00	44.00	44.00	40.00	40.00	40.00	40.00
Supply for PSA Approval											
Uncontracted Requirements		16.06	26.38	29.60	32.73	35.77	38.72	45.59	48.38	51.10	51.69
Incremental Requirements			10.32	3.22	3.13	3.04	2.95	6.87	2.79	2.72	0.59
For CSP		-	-	-	10.00	10.00	10.00	10.00	10.00	10.00	10.00
CSP Schedule											
Intermediate (2024-2033)					10.00	10.00	10.00	10.00	10.00	10.00	10.00
Uncontracted Requirements after CSP		16.06	26.38	29.60	22.73	25.77	28.72	35.59	38.38	41.10	41.69
% - Uncontracted Requirements after CSP vs Peak Demand		23.95%	37.48%	40.22%	29.63%	32.30%	34.72%	41.58%	43.43%	45.11%	45.47%

Figure 92. Supply-Demand Profile of ANTECO



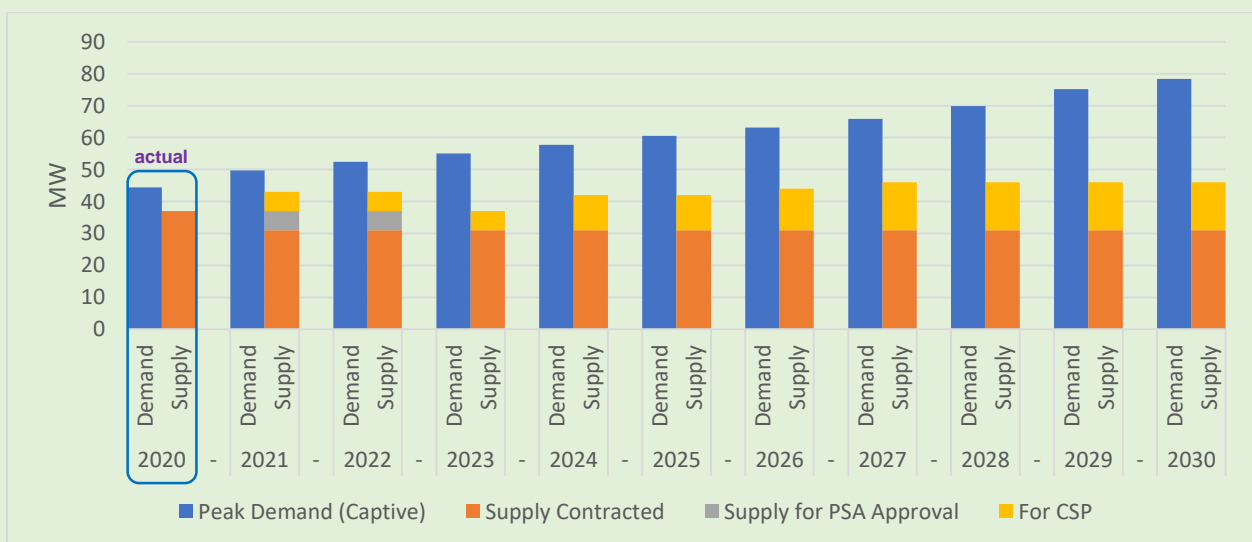
ANTECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	23.50	24.49	24.96	25.46	25.99	26.56	27.18	27.83	28.52	29.26	30.04
Supply Contracted	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
Supply for PSA Approval	9.00	15.50	16.50	11.50	12.50	12.50	11.00	11.00	11.00	11.00	11.00
Uncontracted Requirements		1.99	1.46	6.96	6.49	7.06	9.18	9.83	10.52	11.26	12.04
Incremental Requirements			- 0.53	5.50	- 0.47	0.57	2.11	0.65	0.70	0.74	0.78
For CSP		-	-	1.00	1.00	2.00	2.00	3.00	3.00	4.00	4.00
CSP Schedule											
Baseload (2023-2030)				1.00	1.00	2.00	2.00	3.00	3.00	4.00	4.00
Uncontracted Requirements after CSP		1.99	1.46	5.96	5.49	5.06	7.18	6.83	7.52	7.26	8.04
% - Uncontracted Requirements after CSP vs Peak Demand		8.13%	5.85%	23.40%	21.13%	19.06%	26.41%	24.54%	26.38%	24.81%	26.77%

Figure 93. Supply-Demand Profile of ANTECO – Off-Grid



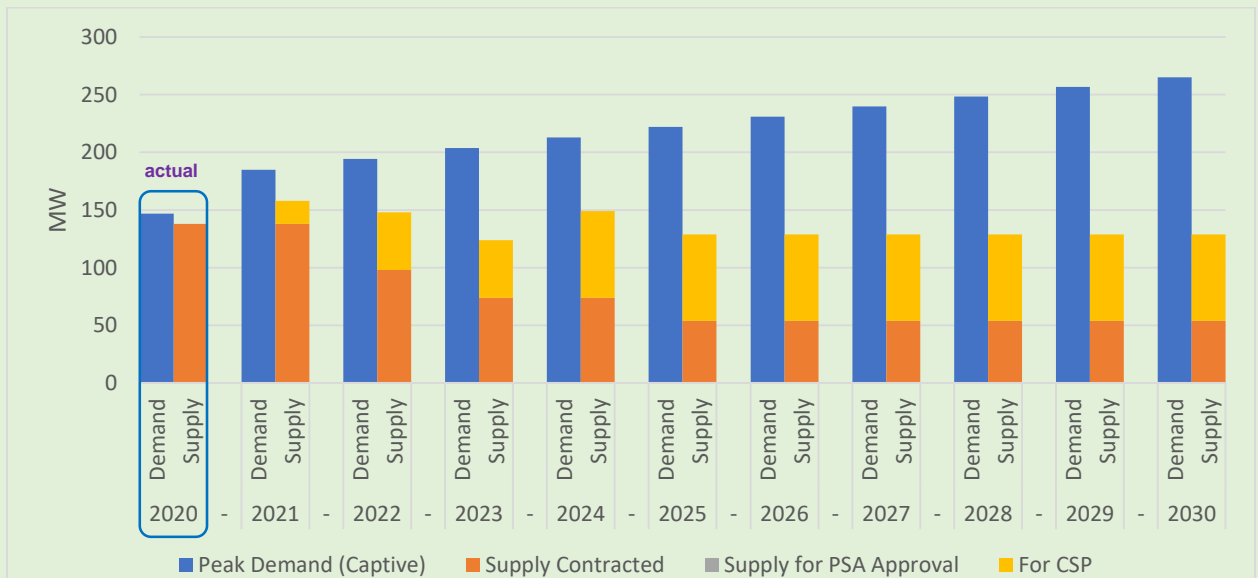
ANTECO - Off-Grid	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	0.52	0.57	0.61	0.65	0.70	0.74	0.78	0.82	0.86	0.90	0.94
Supply Contracted	0.52	0.57	0.61								
Supply for PSA Approval											
Uncontracted Requirements		-	-	0.65	0.70	0.74	0.78	0.82	0.86	0.90	0.94
Incremental Requirements			-	0.65	0.04	0.04	0.04	0.04	0.04	0.04	0.04
For CSP		-	-	0.65	0.70	0.74	0.78	0.82	0.86	0.90	0.94
CSP Schedule											
Baseload (2023-2030)				0.65	0.70	0.74	0.78	0.82	0.86	0.90	0.94
Uncontracted Requirements after CSP		-	-	-	-	-	-	-	-	-	-
% - Uncontracted Requirements after CSP vs Peak Demand		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Figure 94. Supply-Demand Profile of CAPELCO



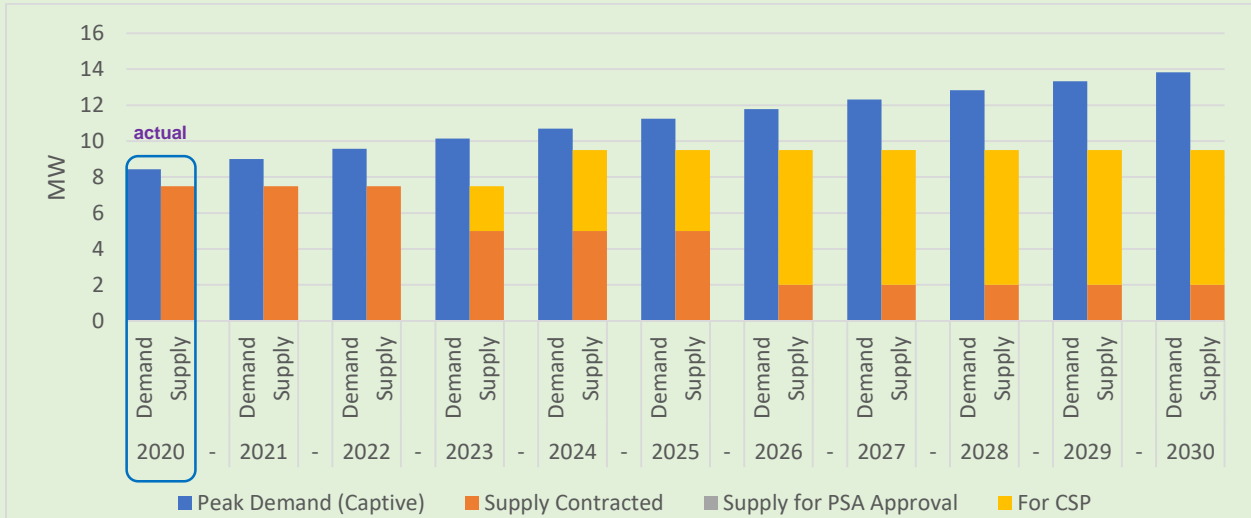
CAPELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	44.41	49.68	52.38	55.08	57.76	60.49	63.15	65.88	69.83	75.12	78.34
Supply Contracted	37.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00
Supply for PSA Approval		6.00	6.00								
Uncontracted Requirements		12.68	15.38	24.08	26.76	29.49	32.15	34.88	38.83	44.12	47.34
Incremental Requirements			2.70	8.70	2.69	2.73	2.66	2.73	3.94	5.29	3.22
For CSP		6.00	6.00	6.00	11.00	11.00	13.00	15.00	15.00	15.00	15.00
CSP Schedule											
Baseload (2021-2022)		6.00	6.00								
Baseload (2023-2034)				6.00	6.00	6.00	8.00	8.00	8.00	8.00	8.00
Baseload (2024-2034)					5.00	5.00	5.00	7.00	7.00	7.00	7.00
Uncontracted Requirements after CSP		6.68	9.38	18.08	15.76	18.49	19.15	19.88	23.83	29.12	32.34
% - Uncontracted Requirements after CSP vs Peak Demand		13.44%	17.91%	32.82%	27.29%	30.57%	30.33%	30.18%	34.12%	38.76%	41.28%

Figure 95. Supply-Demand Profile of CENECO



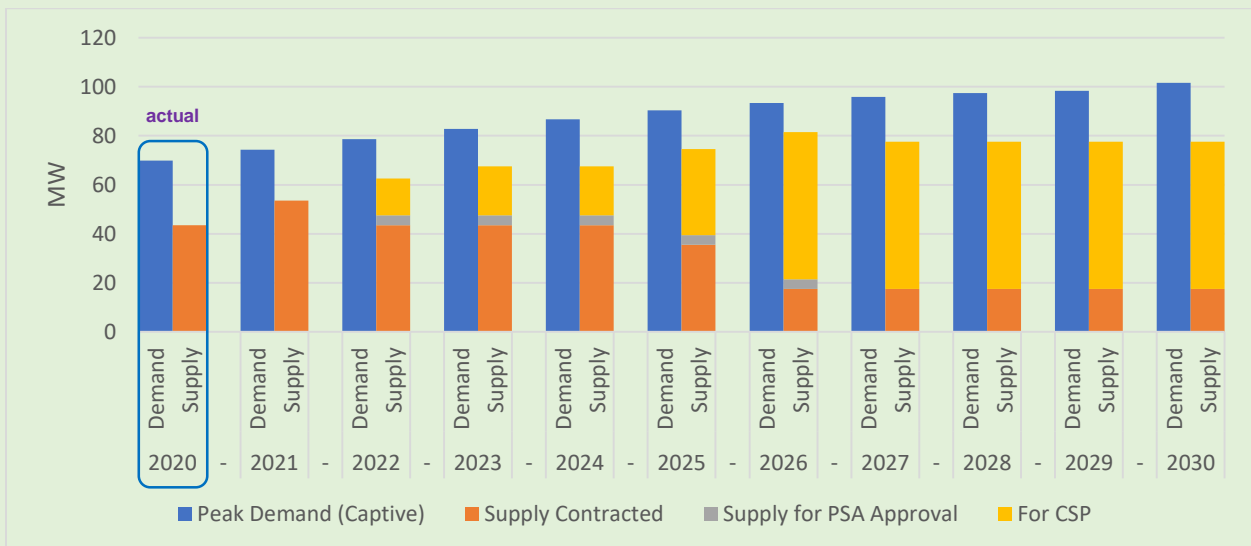
CENECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	146.76	184.72	194.19	203.59	212.86	221.97	230.92	239.69	248.29	256.72	264.99
Supply Contracted	137.90	137.90	97.90	73.90	73.90	53.90	53.90	53.90	53.90	53.90	53.90
Supply for PSA Approval											
Uncontracted Requirements		46.82	96.29	129.69	138.96	168.07	177.02	185.79	194.39	202.82	211.09
Incremental Requirements			49.48	33.40	9.27	29.11	8.95	8.77	8.60	8.43	8.26
For CSP		20.00	50.00	50.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
CSP Schedule											
Baseload (2021-2030)		20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Intermediate (2022-2031)			30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Baseload (2024-2034)					25.00	25.00	25.00	25.00	25.00	25.00	25.00
Uncontracted Requirements after CSP		26.82	46.29	79.69	63.96	93.07	102.02	110.79	119.39	127.82	136.09
% - Uncontracted Requirements after CSP vs Peak Demand		14.52%	23.84%	39.14%	30.05%	41.93%	44.18%	46.22%	48.09%	49.79%	51.36%

Figure 96. Supply-Demand Profile of GUIMELCO



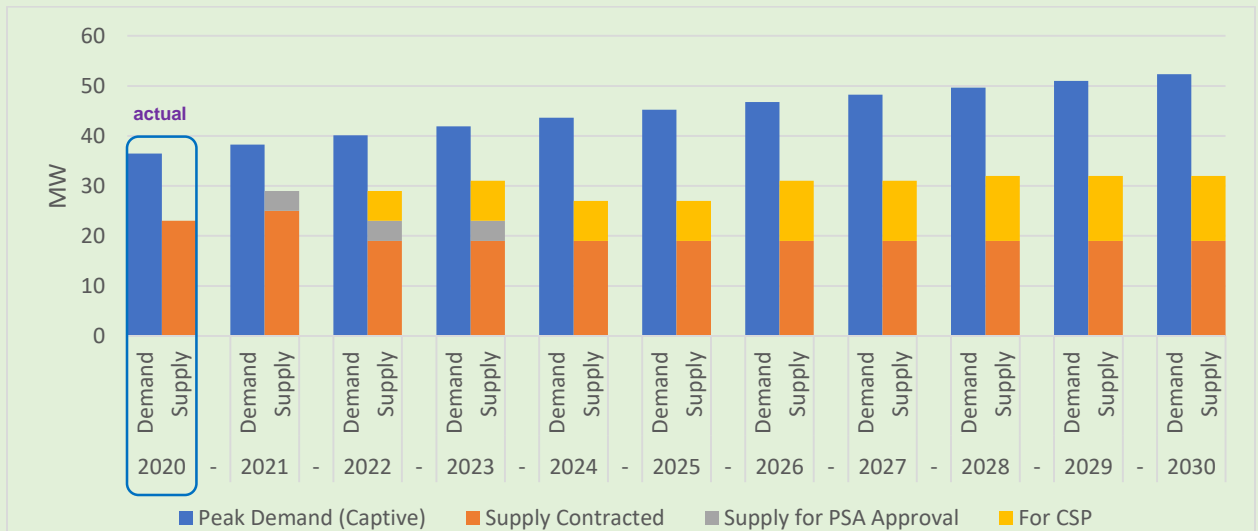
GUIMELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	8.44	9.01	9.58	10.15	10.70	11.25	11.79	12.31	12.83	13.34	13.84
Supply Contracted	7.50	7.50	7.50	5.00	5.00	5.00	2.00	2.00	2.00	2.00	2.00
Supply for PSA Approval											
Uncontracted Requirements		1.51	2.08	5.15	5.70	6.25	9.79	10.31	10.83	11.34	11.84
Incremental Requirements			0.57	3.07	0.56	0.55	3.54	0.53	0.52	0.51	0.50
For CSP		-	-	2.50	4.50	4.50	7.50	7.50	7.50	7.50	7.50
CSP Schedule											
Baseload (2023-2031)				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Peaking (2023-2031)				1.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
Baseload (2024-2033)					1.00	1.00	1.00	1.00	1.00	1.00	1.00
Baseload (2026-2034)							3.00	3.00	3.00	3.00	3.00
Uncontracted Requirements after CSP		1.51	2.08	2.65	1.20	1.75	2.29	2.81	3.33	3.84	4.34
% - Uncontracted Requirements after CSP vs Peak Demand		16.76%	21.74%	26.10%	11.25%	15.56%	19.41%	22.85%	25.96%	28.78%	31.34%

Figure 97. Supply-Demand Profile of ILECO I



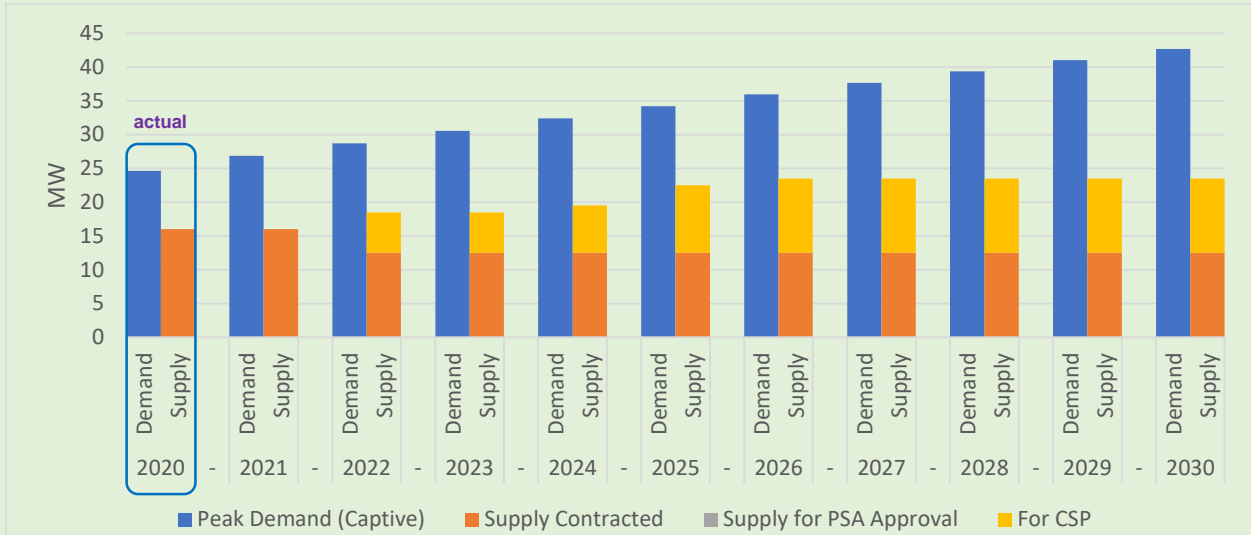
ILECO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	69.83	74.24	78.60	82.81	86.75	90.30	93.34	95.76	97.44	98.27	101.56
Supply Contracted	43.50	53.50	43.50	43.50	43.50	35.50	17.50	17.50	17.50	17.50	17.50
Supply for PSA Approval			4.00	4.00	4.00	4.00	4.00				
Uncontracted Requirements		20.74	31.10	35.31	39.25	50.80	71.84	78.26	79.94	80.77	84.06
Incremental Requirements			10.36	4.21	3.94	11.55	21.04	6.42	1.68	0.82	3.29
For CSP		-	15.00	20.00	20.00	35.00	60.00	60.00	60.00	60.00	60.00
CSP Schedule											
Baseload (2022-2032)			15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Intermediate (2023-2033)				5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Baseload (2025-2033)						15.00	15.00	15.00	15.00	15.00	15.00
Baseload (2026-2033)							25.00	25.00	25.00	25.00	25.00
Uncontracted Requirements after CSP		20.74	16.10	15.31	19.25	15.80	11.84	18.26	19.94	20.77	24.06
% - Uncontracted Requirements after CSP vs Peak Demand		27.93%	20.48%	18.49%	22.19%	17.49%	12.69%	19.07%	20.47%	21.13%	23.69%

Figure 98. Supply-Demand Profile of ILECO II



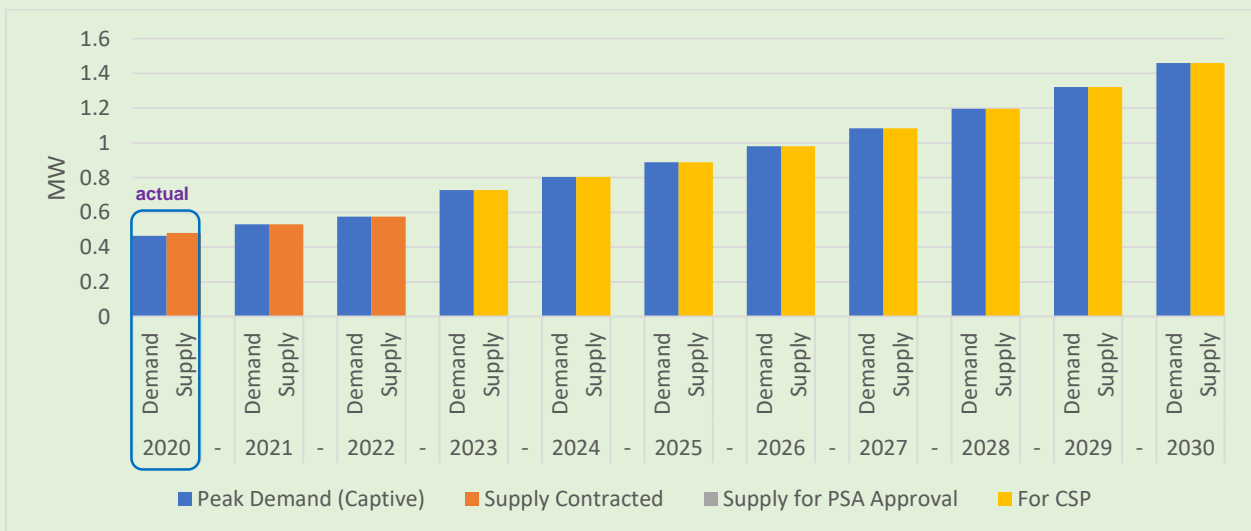
ILECO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	36.47	38.25	40.13	41.91	43.61	45.22	46.76	48.24	49.65	51.01	52.31
Supply Contracted	23.00	25.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
Supply for PSA Approval	4.00	4.00	4.00	4.00							
Uncontracted Requirements		9.25	17.13	18.91	24.61	26.22	27.76	29.24	30.65	32.01	33.31
Incremental Requirements			7.88	1.78	5.70	1.61	1.54	1.47	1.41	1.36	1.30
For CSP		-	6.00	8.00	8.00	8.00	12.00	12.00	13.00	13.00	13.00
CSP Schedule											
Baseload (2022-2032)			6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Baseload (2023-2032)				2.00	2.00	2.00	2.00	2.00	3.00	3.00	3.00
Peaking (2026-2032)							4.00	4.00	4.00	4.00	4.00
Uncontracted Requirements after CSP		9.25	11.13	10.91	16.61	18.22	15.76	17.24	17.65	19.01	20.31
% - Uncontracted Requirements after CSP vs Peak Demand		24.18%	27.73%	26.04%	38.08%	40.30%	33.71%	35.74%	35.55%	37.26%	38.83%

Figure 99. Supply-Demand Profile of ILECO III



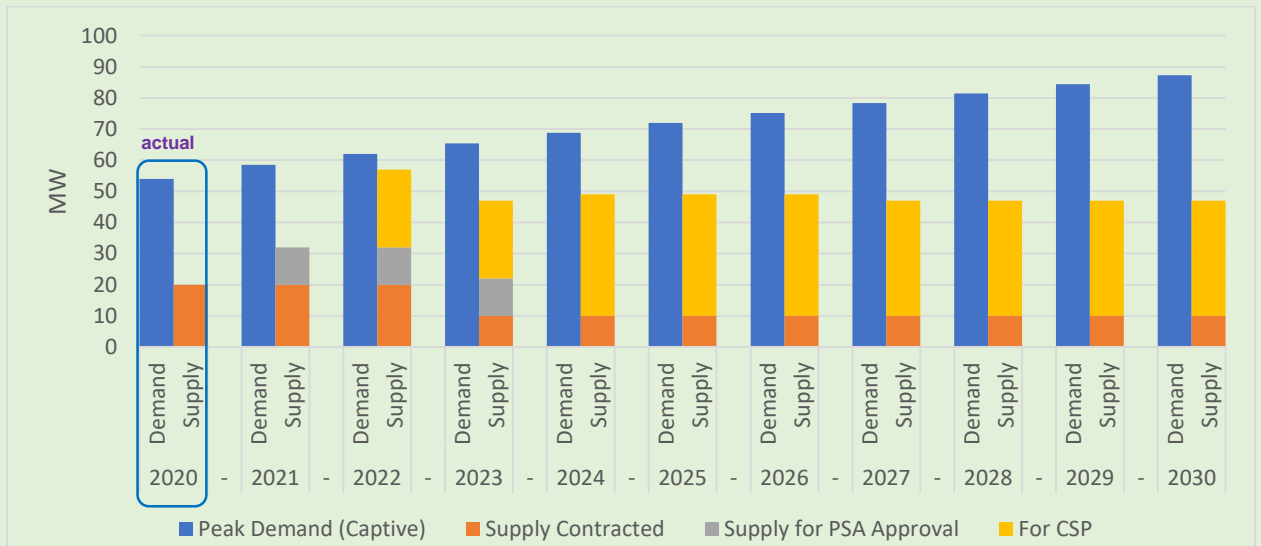
ILECO III	Actual	Forecast										
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Peak Demand (Captive)	24.61	26.84	28.72	30.57	32.40	34.19	35.94	37.67	39.37	41.03	42.66	
Supply Contracted	16.00	16.00	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	
Supply for PSA Approval												
Uncontracted Requirements		10.84	16.22	18.07	19.90	21.69	23.44	25.17	26.87	28.53	30.16	
Incremental Requirements			5.38	1.85	1.82	1.79	1.76	1.73	1.69	1.66	1.63	
For CSP		-	6.00	6.00	7.00	10.00	11.00	11.00	11.00	11.00	11.00	
CSP Schedule												
Baseload (2022-2032)			4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	
Peaking (2022-2031)			2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
Baseload (2023-2033)					1.00	1.00	2.00	2.00	2.00	2.00	2.00	
Baseload (2024-2032)						3.00	3.00	3.00	3.00	3.00	3.00	
Uncontracted Requirements after CSP		10.84	10.22	12.07	12.90	11.69	12.44	14.17	15.87	17.53	19.16	
% - Uncontracted Requirements after CSP vs Peak Demand		40.39%	35.59%	39.49%	39.81%	34.18%	34.62%	37.62%	40.30%	42.72%	44.92%	

Figure 100. Supply-Demand Profile of ILECO III – Off-Grid



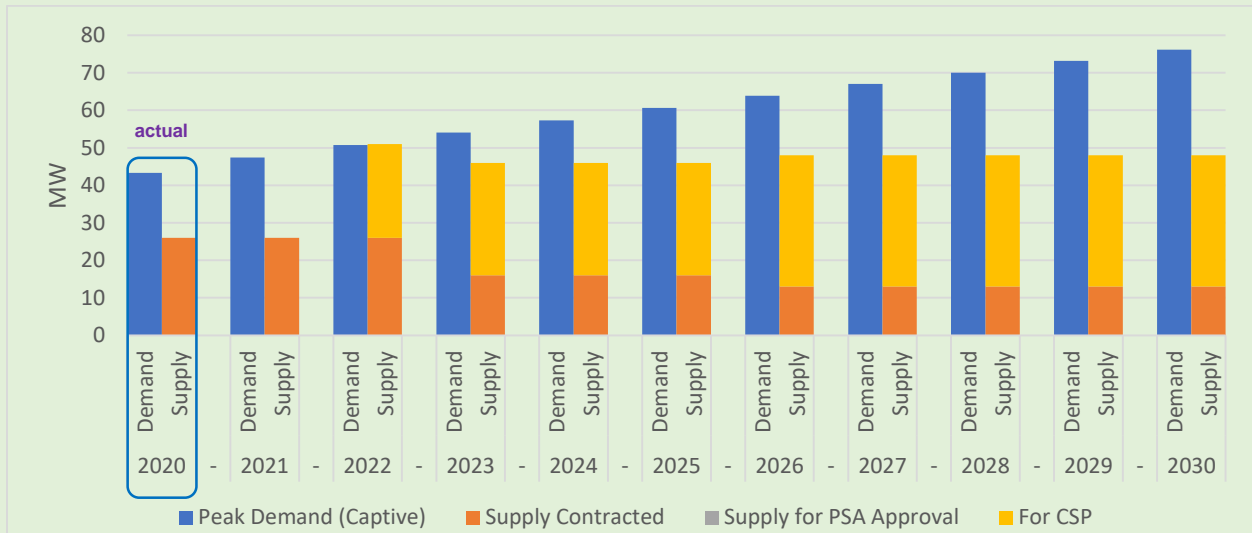
ILECO III	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	0.47	0.53	0.58	0.73	0.80	0.89	0.98	1.08	1.20	1.32	1.46
Supply Contracted	0.48	0.53	0.58								
Supply for PSA Approval											
Uncontracted Requirements		-	-	0.73	0.80	0.89	0.98	1.08	1.20	1.32	1.46
Incremental Requirements			-	0.73	0.08	0.08	0.09	0.10	0.11	0.13	0.14
For CSP		-	-	0.73	0.80	0.89	0.98	1.08	1.20	1.32	1.46
CSP Schedule											
Baseload (2023-2025)				0.73	0.80	0.89					
Baseload (2026-2039)							0.98	1.08	1.20	1.32	1.46
Uncontracted Requirements after CSP		-	-	-	-	-	-	-	-	-	-
% - Uncontracted Requirements after CSP vs Peak Demand		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Figure 101. Supply-Demand Profile of NOCECO



NOCECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	53.95	58.53	62.00	65.41	68.74	72.00	75.19	78.32	81.38	84.38	87.33
Supply Contracted	20.00	20.00	20.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Supply for PSA Approval		12.00	12.00	12.00							
Uncontracted Requirements		26.53	30.00	43.41	58.74	62.00	65.19	68.32	71.38	74.38	77.33
Incremental Requirements			3.47	13.40	15.33	3.26	3.19	3.13	3.06	3.00	2.94
For CSP		-	25.00	25.00	39.00	39.00	39.00	37.00	37.00	37.00	37.00
CSP Schedule											
Baseload (2022-2032)			15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Peaking (2024-2032)					12.00	12.00	12.00	12.00	12.00	12.00	12.00
Baseload (2024-2027)					2.00	2.00	2.00				
Baseload (2022-2032)			10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Uncontracted Requirements after CSP		26.53	5.00	18.41	19.74	23.00	26.19	31.32	34.38	37.38	40.33
% - Uncontracted Requirements after CSP vs Peak Demand		45.33%	8.07%	28.14%	28.71%	31.94%	34.83%	39.99%	42.25%	44.30%	46.18%

Figure 102. Supply-Demand Profile of NONECO



NONECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	43.30	47.40	50.75	54.08	57.28	60.64	63.85	67.01	69.99	73.17	76.16
Supply Contracted	26.00	26.00	26.00	16.00	16.00	16.00	13.00	13.00	13.00	13.00	13.00
Supply for PSA Approval											
Uncontracted Requirements		21.40	24.75	38.08	41.28	44.64	50.85	54.01	56.99	60.17	63.16
Incremental Requirements			3.35	13.33	3.20	3.36	6.21	3.16	2.98	3.18	3.00
For CSP		-	25.00	30.00	30.00	30.00	35.00	35.00	35.00	35.00	35.00
CSP Schedule											
Baseload (2022-2032)			20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Peaking (2022-2032)			5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Baseload (2023-2031)				5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Baseload (2026-2035)							5.00	5.00	5.00	5.00	5.00
Uncontracted Requirements after CSP		21.40	0.25	8.08	11.28	14.64	15.85	19.01	21.99	25.17	28.16
% - Uncontracted Requirements after CSP vs Peak Demand		45.15%	-0.50%	14.95%	19.69%	24.15%	24.83%	28.37%	31.42%	34.40%	36.98%

➤ **REGION VII (CENTRAL VISAYAS)**

In 2020, Region VII DUs recorded a non-coincident peak demand of 884.43 MW for its captive customers, which was forecasted to rise from 919.68 MW in 2021 to 1,335.42 MW in 2030 with a ten-year AAGR of 4.21%. Region VII will have a supply deficit of 360.31 MW in 2021, which is expected to increase annually.

Figure 103. Supply-Demand Profile of Region VII DUs

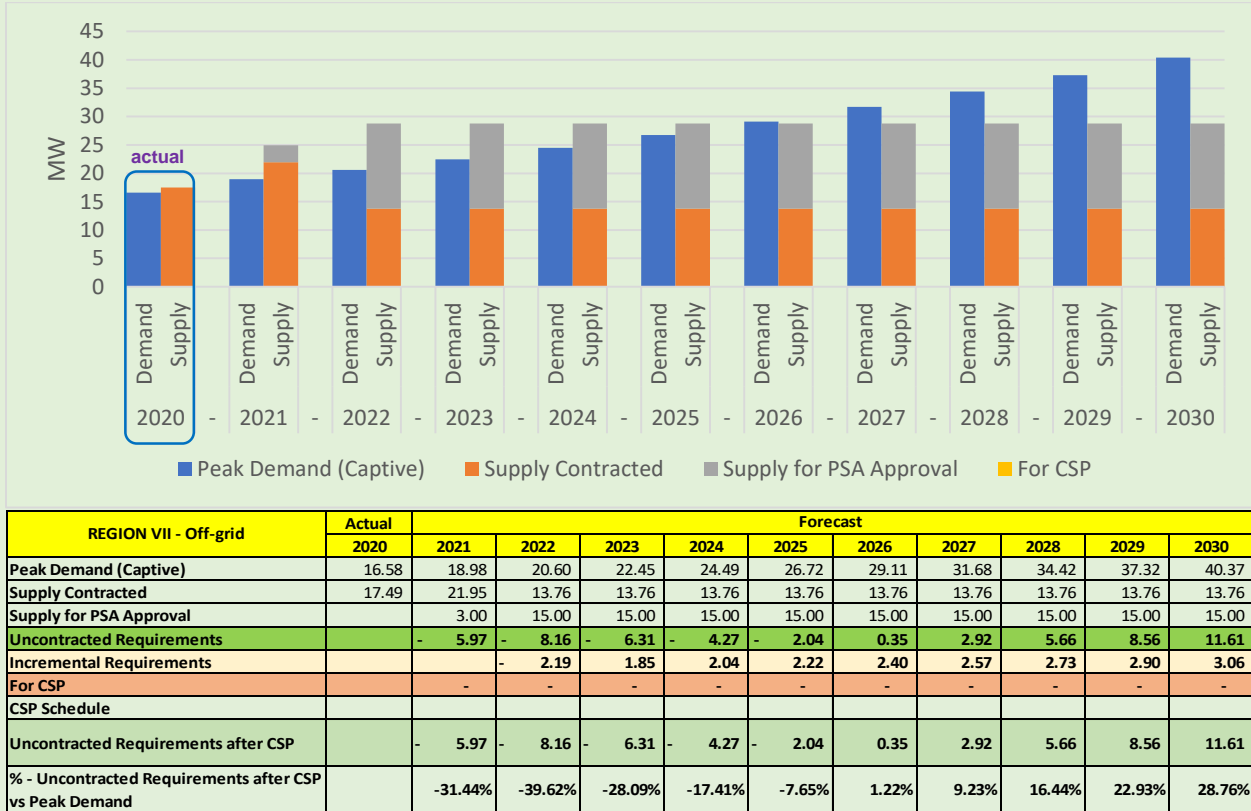


REGION VII	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	884.43	919.68	956.53	1,004.04	1,047.06	1,091.18	1,136.82	1,183.96	1,232.86	1,283.75	1,335.42
Supply Contracted	549.33	536.38	456.36	426.20	398.00	361.50	309.50	287.00	287.00	287.00	287.00
Supply for PSA Approval	12.00	23.00	62.00	28.00	12.00	12.00	12.00	13.00	13.00	13.00	14.00
Uncontracted Requirements		360.31	438.17	549.84	637.06	717.68	815.32	883.96	932.86	983.75	1,034.42
Incremental Requirements			77.87	111.66	87.22	80.63	97.64	68.63	48.91	50.89	50.66
For CSP		46.60	94.60	146.60	257.60	262.60	313.60	197.60	202.60	204.60	174.60
CSP Schedule		46.60	94.60	146.60	257.60	262.60	313.60	197.60	202.60	204.60	174.60
Uncontracted Requirements after CSP		313.71	343.57	403.24	379.46	455.08	501.72	686.36	730.26	779.15	859.82
% - Uncontracted Requirements after CSP vs Peak Demand		34.11%	35.92%	40.16%	36.24%	41.71%	44.13%	57.97%	59.23%	60.69%	64.39%

The DUs in Region VII has a schedule for CSP ranging from 46.60 MW to 262.60 MW for the planning period. VECO comprises the majority of the requirements for CSP, while NORECO I and NORECO II requirements were part of the Joint CSP of Negros Electric Cooperative Association. The Bohol DUs, on the other hand, has already concluded the Joint CSP of One Bohol Power.

The proposed CSPs of Region VII DUs will reduced the uncontracted requirements to 34.11% - 64.39% vis-à-vis the overall requirements of Central Visayas.

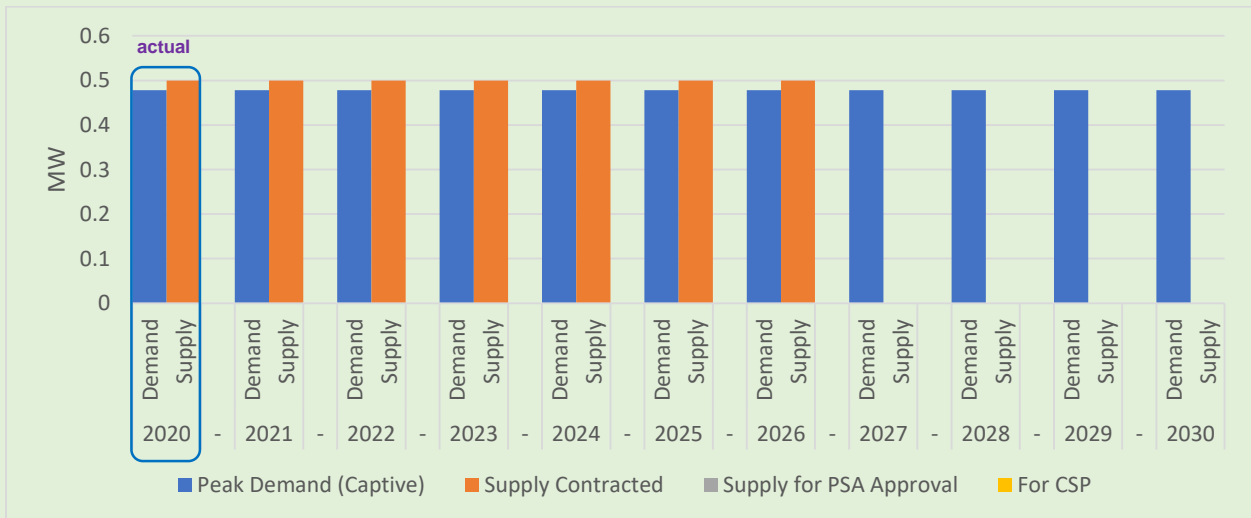
Figure 104. Supply-Demand Profile of Region VII DUs – Off-Grid



The off-grid in Region VII is composed of the mainland of the following Island ECs: BANELCO, CELCO, and PROSIELCO. The said mainland ECs were served by their respective NPP.

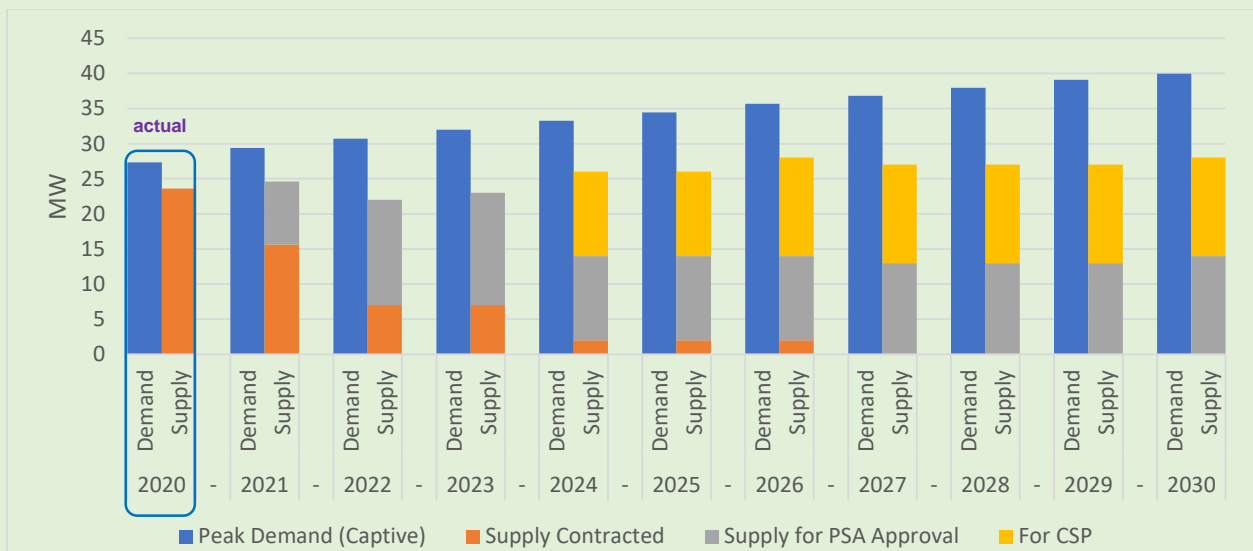
The following are the Supply-Demand Profile of each DU in Region VII:

Figure 105. Supply-Demand Profile of BEZ



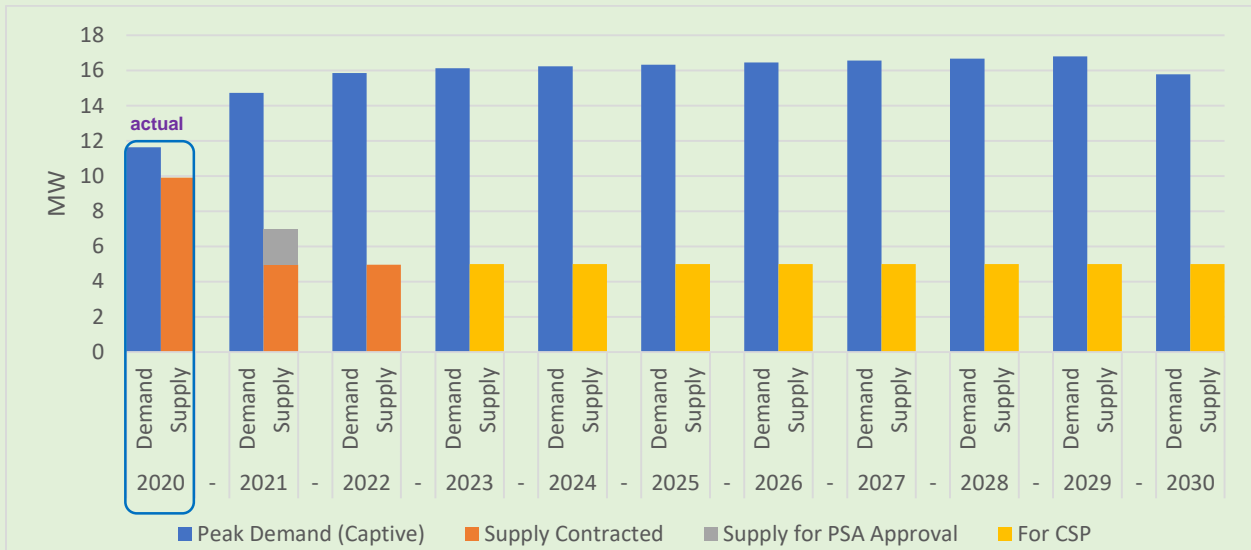
BEZ	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
Supply Contracted	0.50	0.50	0.50	0.50	0.50	0.50	0.50				
Supply for PSA Approval											
Uncontracted Requirements		- 0.02	- 0.02	- 0.02	- 0.02	- 0.02	- 0.02	0.48	0.48	0.48	0.48
Incremental Requirements		-	-	-	-	-	-	0.50	-	-	-
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		- 0.02	- 0.02	- 0.02	- 0.02	- 0.02	- 0.02	0.48	0.48	0.48	0.48
% - Uncontracted Requirements after CSP vs Peak Demand		-4.60%	-4.60%	-4.60%	-4.60%	-4.60%	-4.60%	100.00%	100.00%	100.00%	100.00%

Figure 106. Supply-Demand Profile of BLCI



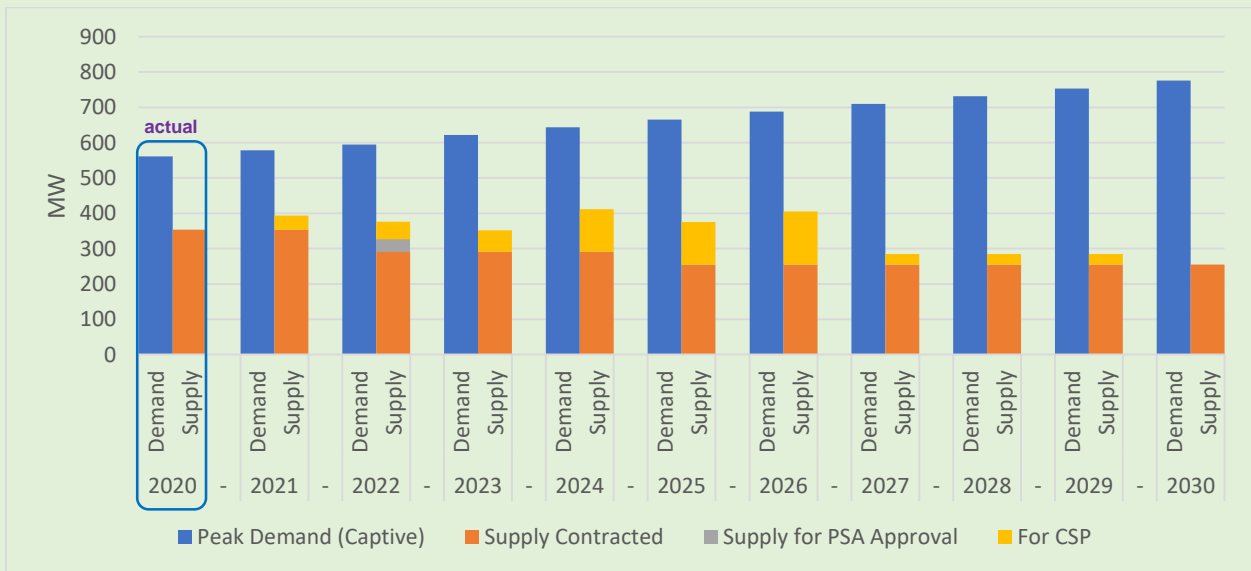
BLCI	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	27.36	29.40	30.71	31.98	33.24	34.46	35.66	36.83	37.97	39.09	39.97
Supply Contracted	23.60	15.60	7.00	7.00	2.00	2.00	2.00				
Supply for PSA Approval		9.00	15.00	16.00	12.00	12.00	12.00	13.00	13.00	13.00	14.00
Uncontracted Requirements		4.80	8.71	8.98	19.24	20.46	21.66	23.83	24.97	26.09	25.97
Incremental Requirements		3.90	0.28	10.25	1.23	1.20	2.17	1.14	1.12	- 0.12	
For CSP		-	-	-	12.00	12.00	14.00	14.00	14.00	14.00	14.00
CSP Schedule											
Baseload (2024-2033)					12.00	12.00	14.00	14.00	14.00	14.00	14.00
Uncontracted Requirements after CSP		4.80	8.71	8.98	7.24	8.46	7.66	9.83	10.97	12.09	11.97
% - Uncontracted Requirements after CSP vs Peak Demand		16.34%	28.35%	28.09%	21.77%	24.56%	21.48%	26.69%	28.90%	30.93%	29.95%

Figure 107. Supply-Demand Profile of MEZ



MEZ	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	11.63	14.73	15.86	16.13	16.23	16.34	16.45	16.56	16.68	16.80	15.78
Supply Contracted	9.91	4.96	4.96								
Supply for PSA Approval		2.00									
Uncontracted Requirements		7.77	10.90	16.13	16.23	16.34	16.45	16.56	16.68	16.80	15.78
Incremental Requirements			3.13	5.24	0.10	0.10	0.12	0.11	0.12	0.12	1.01
For CSP		-	-	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
CSP Schedule											
Peaking (2022-2030)				5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Uncontracted Requirements after CSP		7.77	10.90	11.13	11.23	11.34	11.45	11.56	11.68	11.80	10.78
% - Uncontracted Requirements after CSP vs Peak Demand		52.76%	68.74%	69.01%	69.20%	69.39%	69.61%	69.81%	70.02%	70.24%	68.32%

Figure 108. Supply-Demand Profile of VECCO



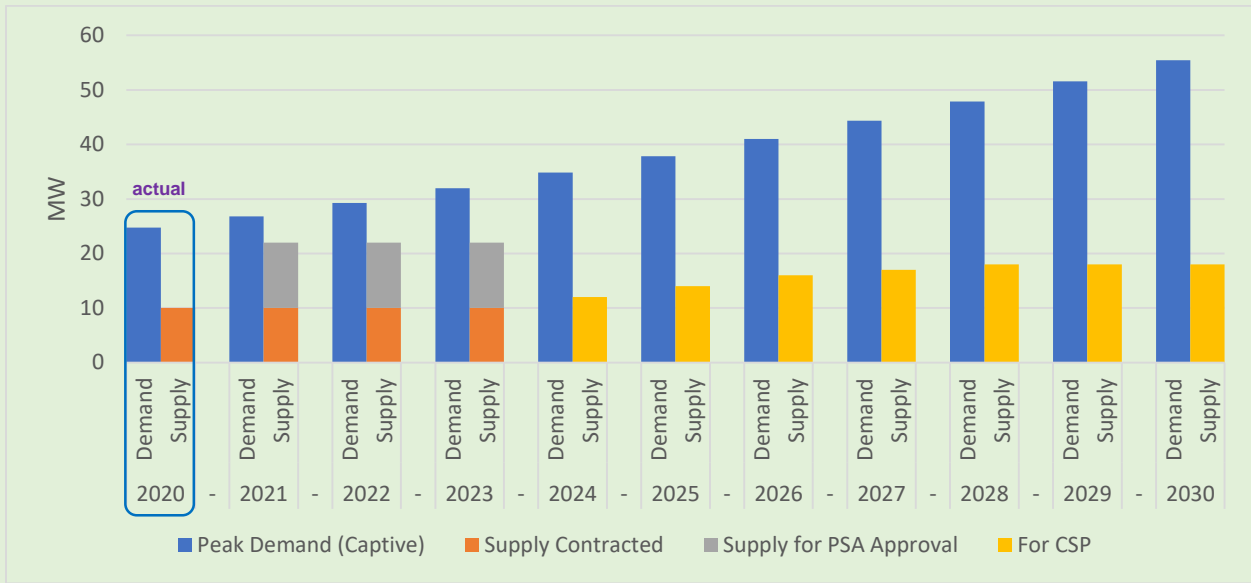
VECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	561.12	577.96	594.18	621.47	643.47	665.47	687.47	709.47	731.47	753.47	775.47
Supply Contracted	353.22	353.22	291.50	291.50	291.50	255.00	255.00	255.00	255.00	255.00	255.00
Supply for PSA Approval			35.00								
Uncontracted Requirements		224.74	267.68	329.97	351.97	410.47	432.47	454.47	476.47	498.47	520.47
Incremental Requirements			42.94	62.28	22.00	58.50	22.00	22.00	22.00	22.00	22.00
For CSP		40.00	50.00	60.00	120.00	120.00	150.00	30.00	30.00	30.00	-
CSP Schedule											
Peaking (2021-2026)		40.00	50.00	60.00	60.00	60.00	60.00				
Intermediate (2024-2028)					60.00	60.00	60.00				
Intermediate (2026-2029)							30.00	30.00	30.00	30.00	
Uncontracted Requirements after CSP		184.74	217.68	269.97	231.97	290.47	282.47	424.47	446.47	468.47	520.47
% - Uncontracted Requirements after CSP vs Peak Demand		31.96%	36.64%	43.44%	36.05%	43.65%	41.09%	59.83%	61.04%	62.17%	67.12%

Figure 109. Supply-Demand Profile of BOHECO I



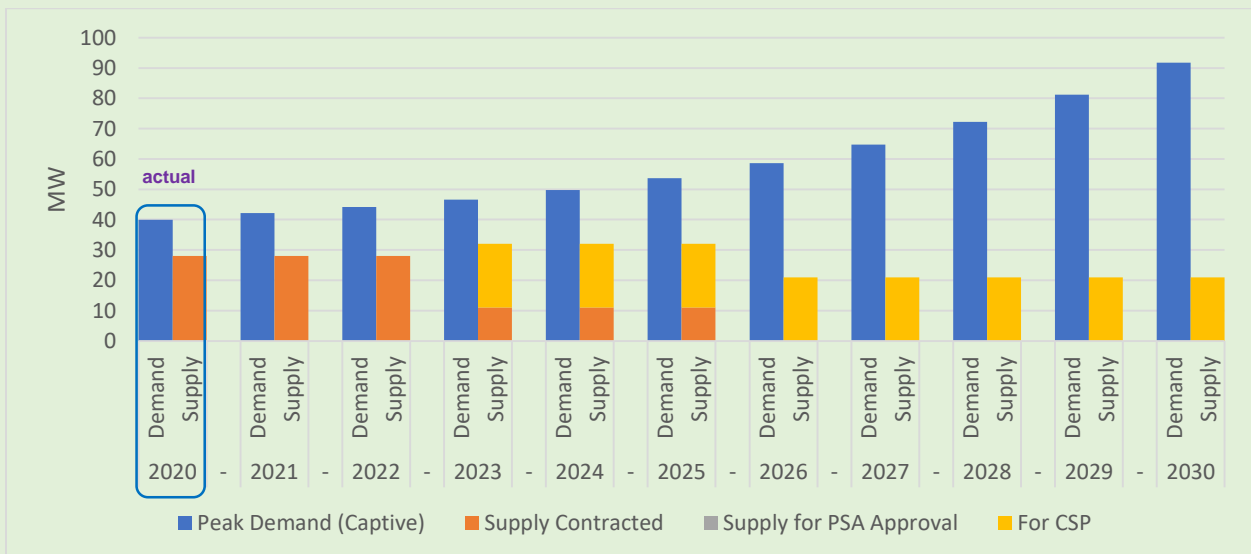
BOHECO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	43.55	47.48	51.57	55.61	59.60	63.53	67.40	71.20	74.95	78.63	82.26
Supply Contracted	32.20	32.20	32.20	32.20	19.00	19.00	5.00	5.00	5.00	5.00	5.00
Supply for PSA Approval											
Uncontracted Requirements		15.28	19.37	23.41	40.60	44.53	62.40	66.20	69.95	73.63	77.26
Incremental Requirements			4.09	4.04	17.19	3.93	17.87	3.81	3.75	3.69	3.63
For CSP		1.60	1.60	1.60	27.60	29.60	45.60	47.60	49.60	51.60	51.60
CSP Schedule											
Baseload (2024-2033)					26.00	28.00	44.00	46.00	48.00	50.00	50.00
Baseload (2021-2031)		1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
Uncontracted Requirements after CSP		13.68	17.77	21.81	13.00	14.93	16.80	18.60	20.35	22.03	25.66
% - Uncontracted Requirements after CSP vs Peak Demand		28.81%	34.46%	39.22%	21.81%	23.50%	24.92%	26.13%	27.15%	28.02%	31.19%

Figure 110. Supply-Demand Profile of BOHECO II



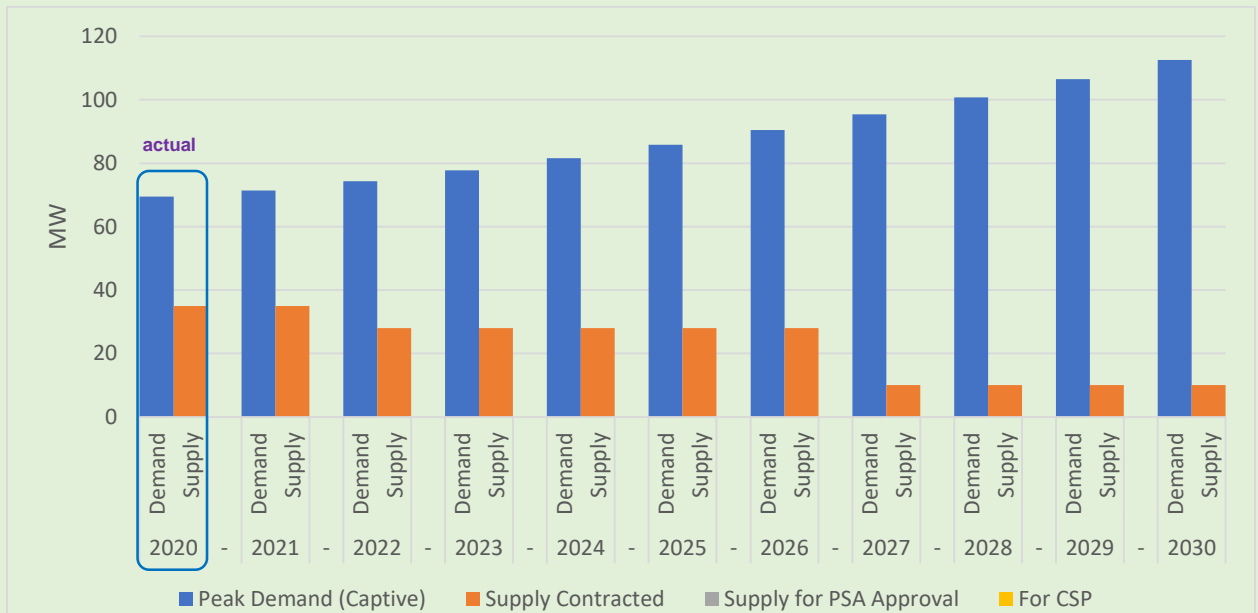
BOHECO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	24.76	26.78	29.30	31.98	34.82	37.84	41.02	44.37	47.88	51.56	55.41
Supply Contracted	10.00	10.00	10.00	10.00							
Supply for PSA Approval	12.00	12.00	12.00	12.00							
Uncontracted Requirements		4.78	7.30	9.98	34.82	37.84	41.02	44.37	47.88	51.56	55.41
Incremental Requirements			2.51	2.68	24.85	3.01	3.18	3.35	3.51	3.68	3.85
For CSP		-	-	-	12.00	14.00	16.00	17.00	18.00	18.00	18.00
CSP Schedule											
Baseload (2024-2033)					12.00	14.00	16.00	17.00	18.00	18.00	18.00
Uncontracted Requirements after CSP		4.78	7.30	9.98	22.82	23.84	25.02	27.37	29.88	33.56	37.41
% - Uncontracted Requirements after CSP vs Peak Demand		17.86%	24.90%	31.20%	65.54%	63.00%	60.99%	61.68%	62.41%	65.09%	67.51%

Figure 111. Supply-Demand Profile of CEBECO I



CEBECO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	39.95	42.12	44.12	46.59	49.72	53.68	58.63	64.75	72.20	81.16	91.79
Supply Contracted	28.00	28.00	28.00	11.00	11.00	11.00					
Supply for PSA Approval											
Uncontracted Requirements		14.12	16.12	35.59	38.72	42.68	58.63	64.75	72.20	81.16	91.79
Incremental Requirements			1.99	19.48	3.13	3.96	15.95	6.12	7.45	8.96	10.63
For CSP		-	-	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
CSP Schedule											
Baseload (2023-2032)				11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Baseload (2023-2033)				10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Uncontracted Requirements after CSP		14.12	16.12	14.59	17.72	21.68	37.63	43.75	51.20	60.16	70.79
% - Uncontracted Requirements after CSP vs Peak Demand		33.53%	36.53%	31.32%	35.64%	40.39%	64.18%	67.57%	70.91%	74.12%	77.12%

Figure 112. Supply-Demand Profile of CEBECO II



CEBECO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	69.49	71.42	74.29	77.70	81.57	85.76	90.46	95.44	100.78	106.50	112.54
Supply Contracted	35.00	35.00	28.00	28.00	28.00	28.00	28.00	10.00	10.00	10.00	10.00
Supply for PSA Approval											
Uncontracted Requirements		36.42	46.29	49.70	53.57	57.76	62.46	85.44	90.78	96.50	102.54
Incremental Requirements			9.87	3.41	3.87	4.20	4.69	22.98	5.34	5.72	6.04
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		36.42	46.29	49.70	53.57	57.76	62.46	85.44	90.78	96.50	102.54
% - Uncontracted Requirements after CSP vs Peak Demand		50.99%	62.31%	63.96%	65.67%	67.35%	69.05%	89.52%	90.08%	90.61%	91.11%

Figure 113. Supply-Demand Profile of CEBECO III

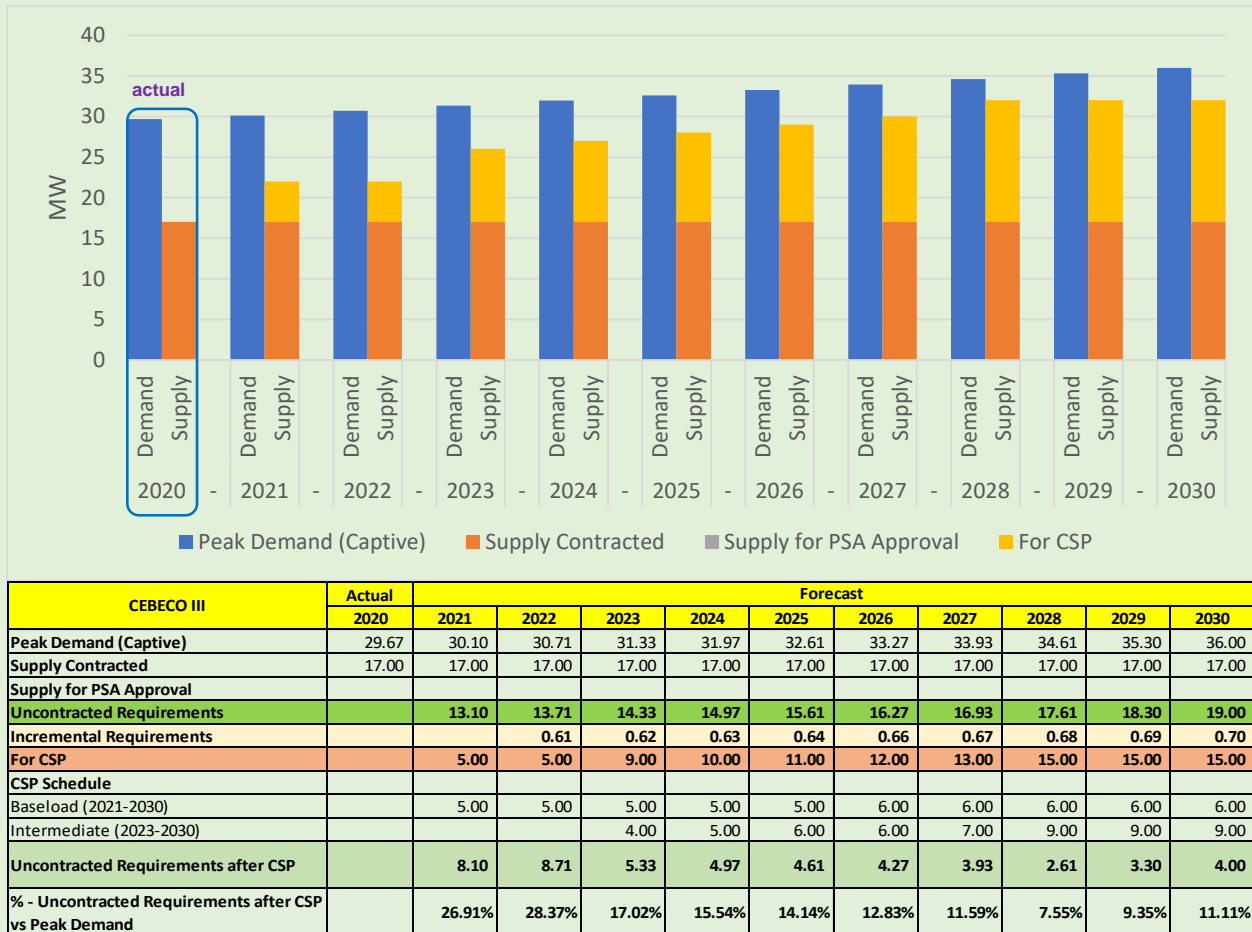
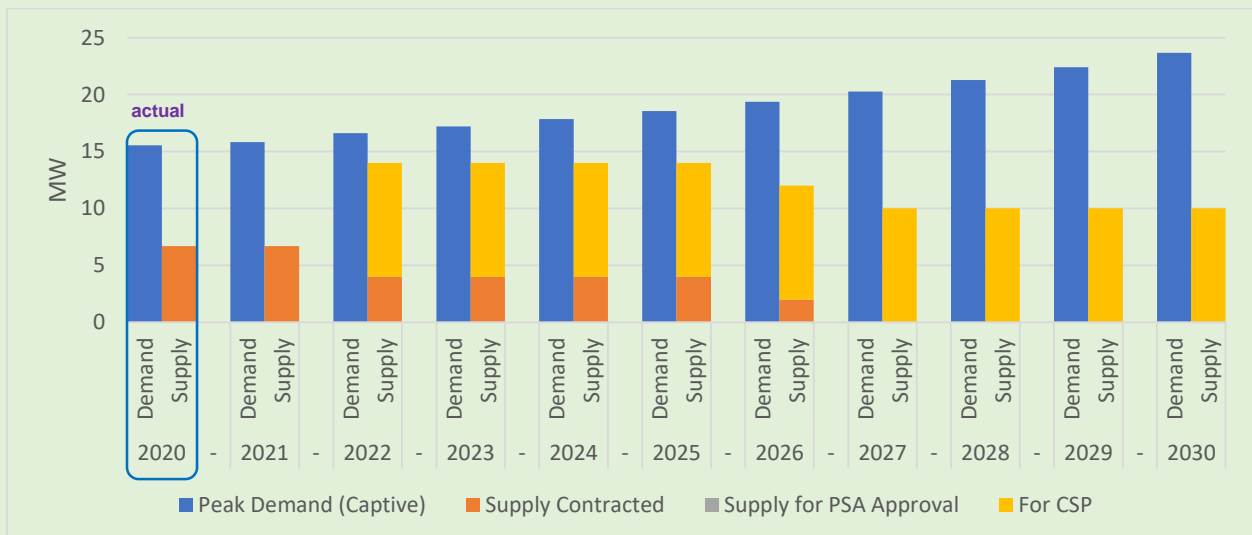
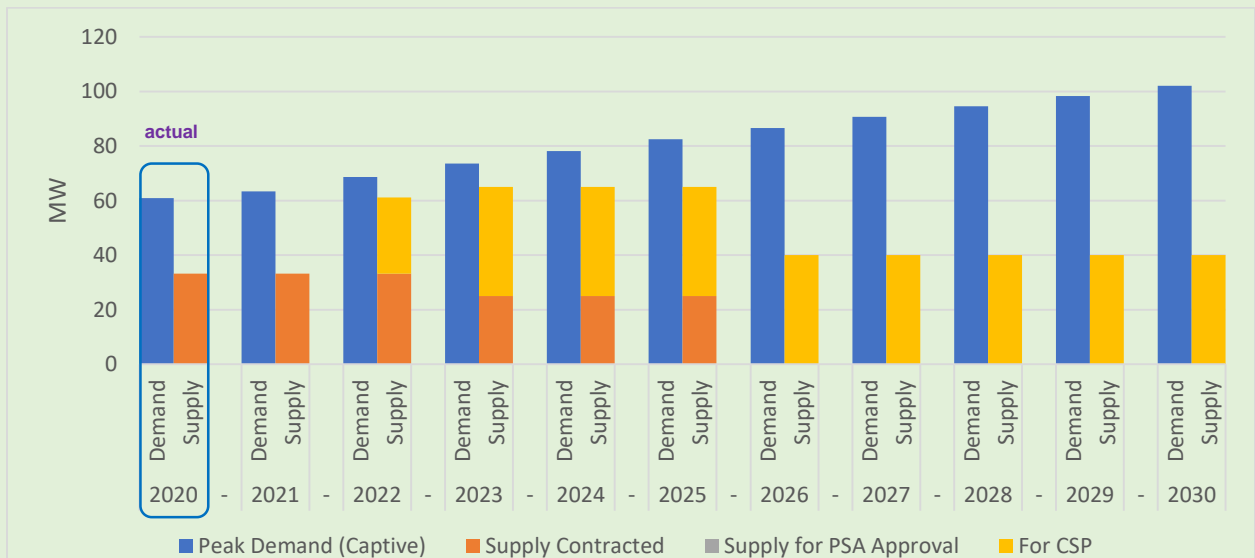


Figure 114. Supply-Demand Profile of NORECO I



NORECO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	15.56	15.82	16.61	17.19	17.84	18.56	19.36	20.26	21.28	22.41	23.68
Supply Contracted	6.70	6.70	4.00	4.00	4.00	4.00	2.00				
Supply for PSA Approval											
Uncontracted Requirements		9.12	12.61	13.19	13.84	14.56	17.36	20.26	21.28	22.41	23.68
Incremental Requirements			3.49	0.59	0.64	0.72	2.80	2.90	1.01	1.13	1.27
For CSP		-	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
CSP Schedule											
Baseload (2022-2032)			7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
Peaking (2022-2032)			3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Uncontracted Requirements after CSP		9.12	2.61	3.19	3.84	4.56	7.36	10.26	11.28	12.41	13.68
% - Uncontracted Requirements after CSP vs Peak Demand		57.64%	15.71%	18.58%	21.52%	24.56%	38.02%	50.65%	53.00%	55.38%	57.76%

Figure 115. Supply-Demand Profile of NORECO II



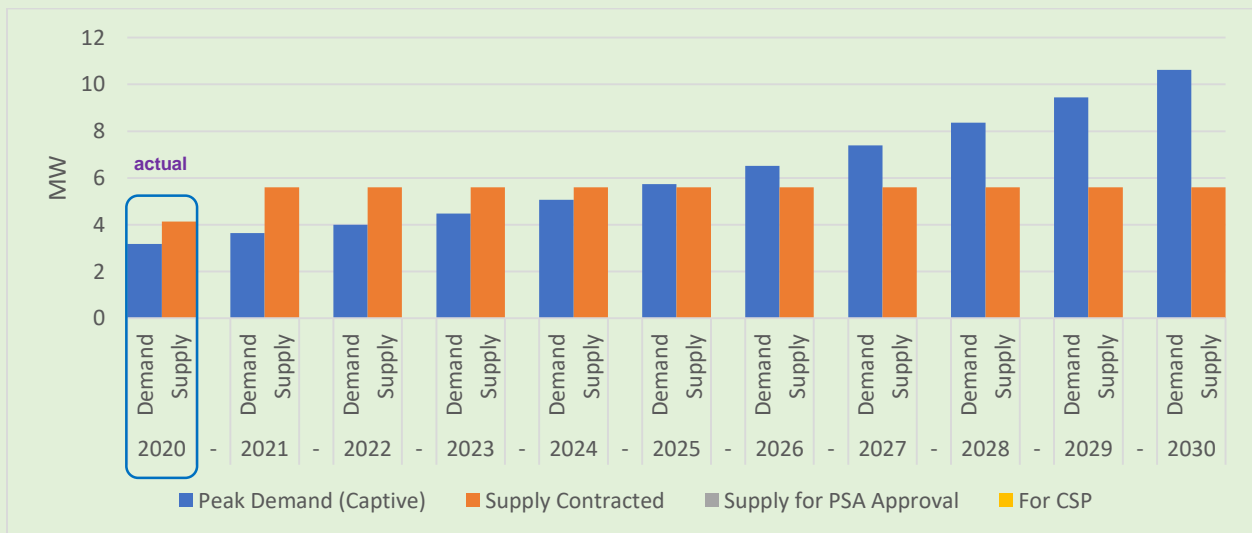
NORECO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	60.87	63.39	68.72	73.57	78.12	82.46	86.63	90.66	94.57	98.36	102.05
Supply Contracted	33.20	33.20	33.20	25.00	25.00	25.00					
Supply for PSA Approval											
Uncontracted Requirements		30.19	35.52	48.57	53.12	57.46	86.63	90.66	94.57	98.36	102.05
Incremental Requirements			5.33	13.05	4.55	4.34	29.17	4.03	3.90	3.79	3.69
For CSP		-	28.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
CSP Schedule											
Baseload (2022-2032)			18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
Peaking (2022-2032)			10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Baseload (2023-2033)				12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
Uncontracted Requirements after CSP		30.19	7.52	8.57	13.12	17.46	46.63	50.66	54.57	58.36	62.05
% - Uncontracted Requirements after CSP vs Peak Demand		47.63%	10.94%	11.65%	16.80%	21.18%	53.83%	55.88%	57.70%	59.33%	60.80%

Figure 116. Supply-Demand Profile of BANELCO



BANELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	7.20	8.44	9.12	9.81	10.52	11.25	12.00	12.77	13.57	14.39	15.24
Supply Contracted	8.19	8.19									
Supply for PSA Approval		3.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Uncontracted Requirements		- 2.75	- 5.88	- 5.19	- 4.48	- 3.76	- 3.01	- 2.23	- 1.44	- 0.61	0.24
Incremental Requirements			- 3.13	0.69	0.71	0.73	0.75	0.77	0.80	0.83	0.85
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		- 2.75	- 5.88	- 5.19	- 4.48	- 3.76	- 3.01	- 2.23	- 1.44	- 0.61	0.24
% - Uncontracted Requirements after CSP vs Peak Demand		-32.58%	-64.53%	-52.94%	-42.63%	-33.39%	-25.05%	-17.48%	-10.58%	-4.24%	1.59%

Figure 117. Supply-Demand Profile of CELCO



CELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	3.18	3.65	3.99	4.48	5.06	5.74	6.52	7.39	8.37	9.44	10.62
Supply Contracted	4.14	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60
Supply for PSA Approval											
Uncontracted Requirements		- 1.95	- 1.61	- 1.12	- 0.54	0.14	0.92	1.79	2.77	3.84	5.02
Incremental Requirements			0.34	0.48	0.58	0.68	0.78	0.88	0.98	1.08	1.18
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		- 1.95	- 1.61	- 1.12	- 0.54	0.14	0.92	1.79	2.77	3.84	5.02
% - Uncontracted Requirements after CSP vs Peak Demand		-53.42%	-40.18%	-25.02%	-10.66%	2.43%	14.07%	24.26%	33.09%	40.71%	47.27%

Figure 118. Supply-Demand Profile of PROSIELCO

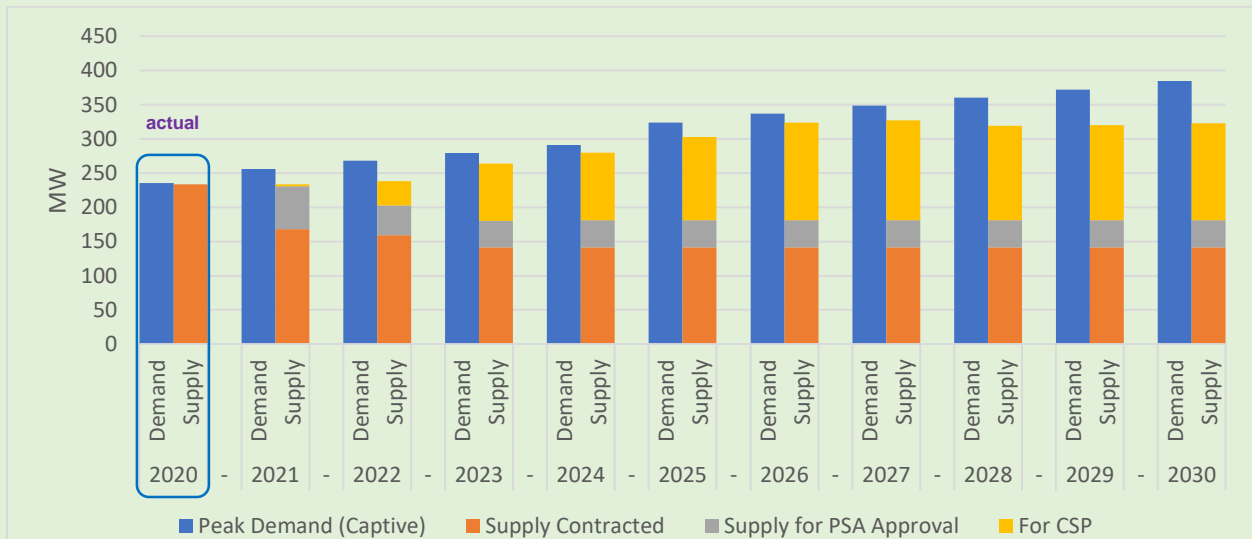


PROSIELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	6.20	6.89	7.49	8.17	8.92	9.73	10.60	11.52	12.48	13.48	14.51
Supply Contracted	5.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16
Supply for PSA Approval											
Uncontracted Requirements		- 1.27	- 0.67	0.00	0.76	1.57	2.44	3.36	4.32	5.32	6.35
Incremental Requirements			0.60	0.68	0.75	0.82	0.87	0.92	0.96	1.00	1.03
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		- 1.27	- 0.67	0.00	0.76	1.57	2.44	3.36	4.32	5.32	6.35
% - Uncontracted Requirements after CSP vs Peak Demand		-18.42%	-8.99%	0.06%	8.49%	16.15%	23.04%	29.19%	34.64%	39.47%	43.76%

➤ **REGION VIII (EASTERN VISAYAS)**

The non-coincident peak demand of Region VIII DUs reached 235.31 MW in 2020. With an AAGR of 5.07% for the ten-year planning period, the non-coincident peak demand was expected to increase from 255.82 MW in 2021 to 384.76 MW in 2030. Eastern Visayas will have a supply deficit of 25.22 MW in 2021, which is expected to grow annually.

Figure 119. Supply-Demand Profile of Region VIII DUs



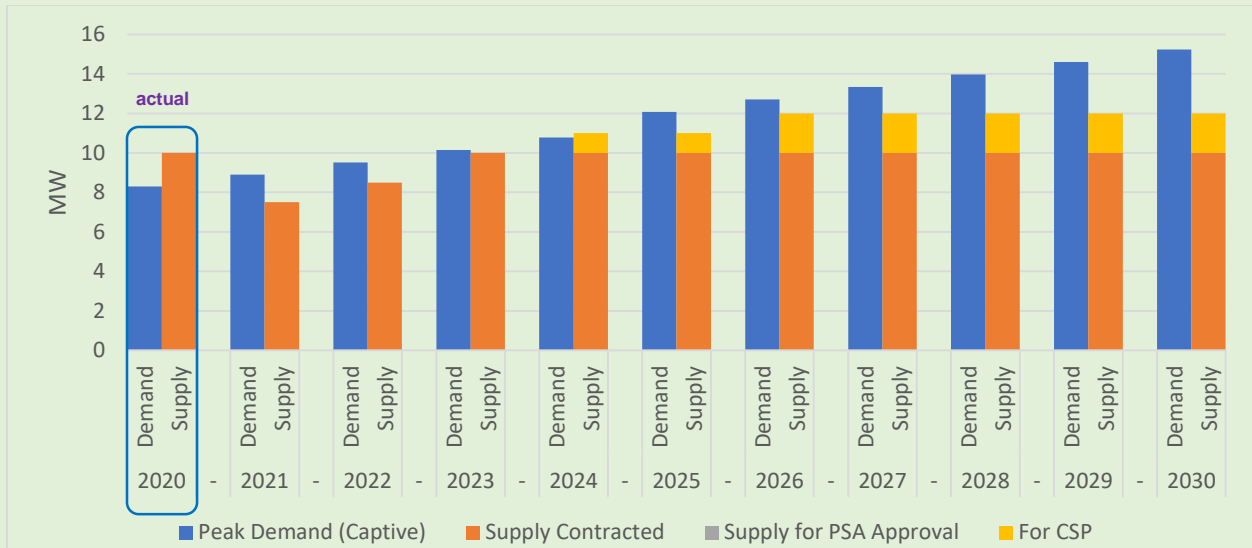
REGION VIII	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	235.31	255.82	268.16	279.45	290.86	323.95	336.65	348.35	360.15	372.05	384.76
Supply Contracted	233.50	168.00	159.00	141.50	141.50	141.50	141.50	141.50	141.50	141.50	141.50
Supply for PSA Approval		62.60	43.60	38.60	39.60	39.60	39.60	39.60	39.60	39.60	39.60
Uncontracted Requirements		25.22	65.56	99.35	109.76	142.85	155.55	167.25	179.05	190.95	203.66
Incremental Requirements			40.34	33.79	10.41	33.09	12.70	11.70	11.80	11.90	12.71
For CSP		2.76	35.76	83.76	98.76	121.76	142.76	145.76	137.76	138.76	141.76
CSP Schedule		2.76	35.76	83.76	98.76	121.76	142.76	145.76	137.76	138.76	141.76
Uncontracted Requirements after CSP		22.46	29.80	15.59	11.00	21.09	12.79	21.49	41.29	52.19	61.90
% - Uncontracted Requirements after CSP vs Peak Demand		8.78%	11.11%	5.58%	3.78%	6.51%	3.80%	6.17%	11.47%	14.03%	16.09%

For the planning period, the DUs in Region VIII have a schedule for CSP ranging from 2.76 MW to 145.76 MW. The CSP will be conducted through the Federation of Rural Electric Cooperatives of Region VIII, wherein LEYECO II and V will have the majority of the requirements for CSP.

The uncontracted requirements of Eastern Visayas will reduce to 3.78% - 16.09% of the total requirements with the proposed CSP of the Region VIII DUs.

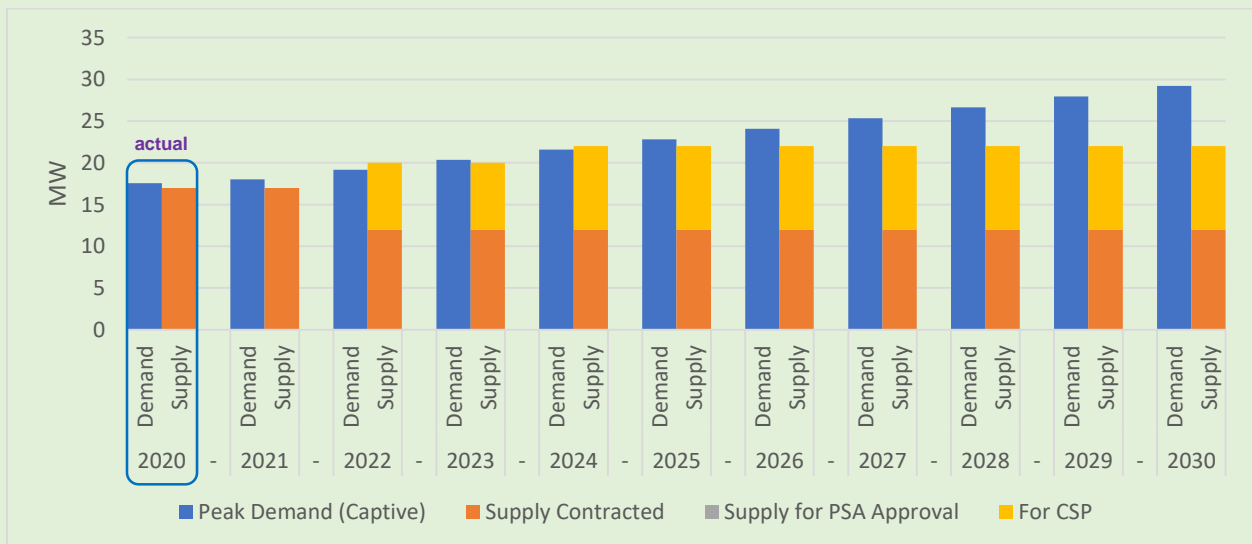
The following are the Supply-Demand Profile of each DU in Region VIII:

Figure 120. Supply-Demand Profile of BILECO



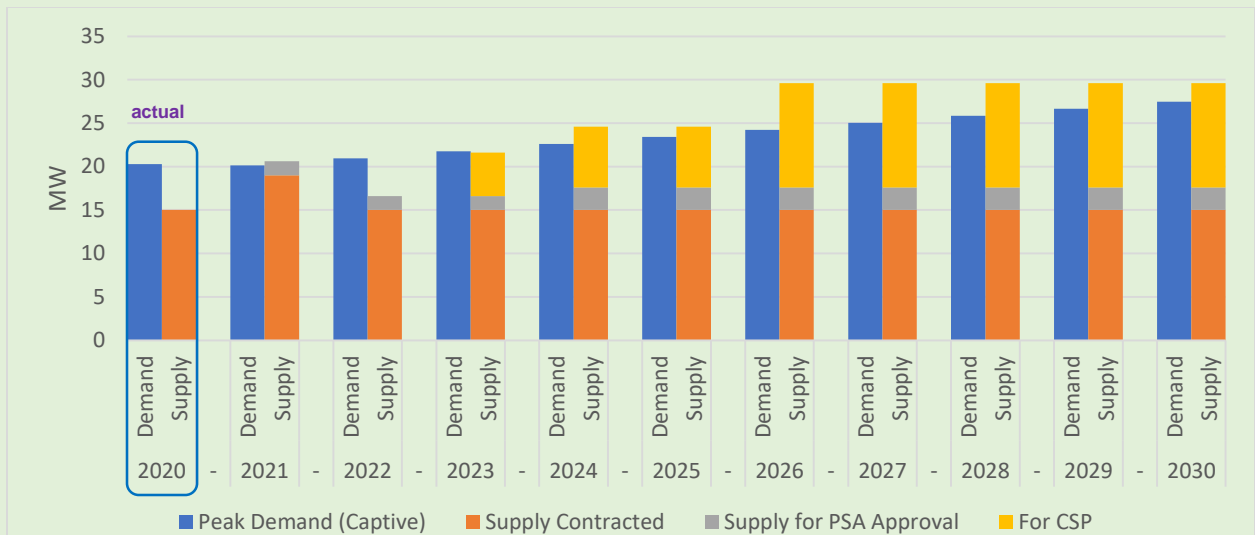
BILECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	8.29	8.91	9.52	10.15	10.77	12.08	12.71	13.34	13.97	14.60	15.23
Supply Contracted	10.00	7.50	8.50	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Supply for PSA Approval											
Uncontracted Requirements		1.41	1.02	0.15	0.77	2.08	2.71	3.34	3.97	4.60	5.23
Incremental Requirements			0.38	0.88	0.63	1.31	0.63	0.63	0.63	0.63	0.63
For CSP		-	-	-	1.00	1.00	2.00	2.00	2.00	2.00	2.00
CSP Schedule											
BaseLoad (2024-2025)					1.00	1.00					
BaseLoad (2026-2035)							2.00	2.00	2.00	2.00	2.00
Uncontracted Requirements after CSP		1.41	1.02	0.15	0.23	1.08	0.71	1.34	1.97	2.60	3.23
% - Uncontracted Requirements after CSP vs Peak Demand		15.78%	10.73%	1.43%	-2.12%	8.95%	5.57%	10.02%	14.08%	17.79%	21.20%

Figure 121. Supply-Demand Profile of DORELCO



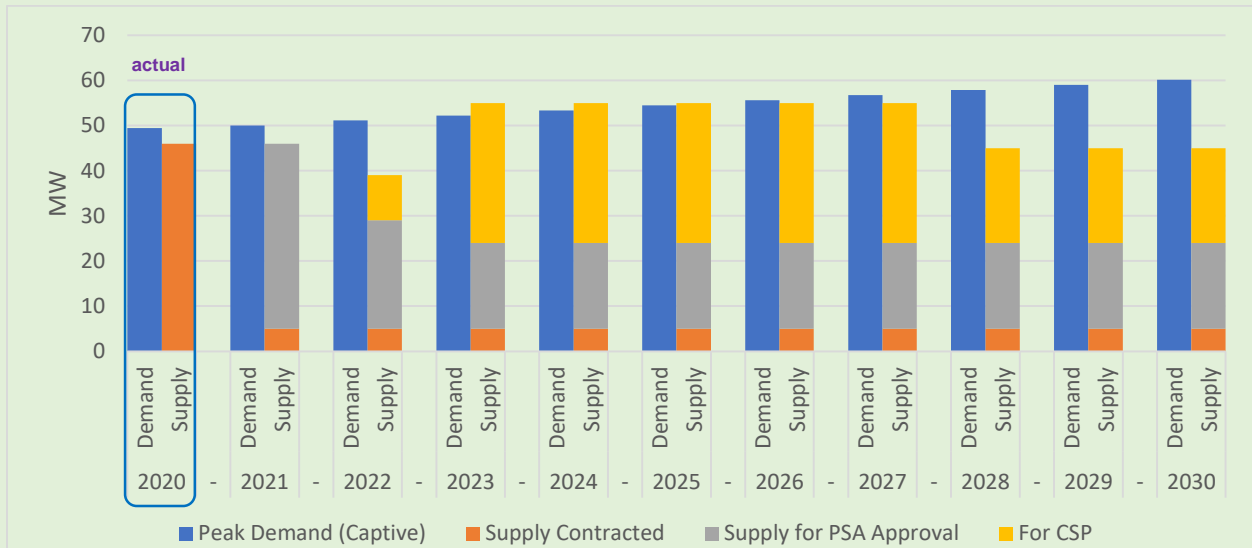
DORELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	17.55	18.00	19.15	20.35	21.57	22.82	24.08	25.36	26.65	27.94	29.23
Supply Contracted	17.00	17.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
Supply for PSA Approval											
Uncontracted Requirements		1.00	7.15	8.35	9.57	10.82	12.08	13.36	14.65	15.94	17.23
Incremental Requirements			6.15	1.19	1.22	1.25	1.26	1.28	1.29	1.29	1.30
For CSP		-	8.00	8.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
CSP Schedule											
Baseload (2022-2024)			3.00	3.00	4.00						
Baseload (2025-2035)						8.00	8.00	8.00	8.00	8.00	8.00
Peaking (2022-2024)			5.00	5.00	6.00						
Peaking (2025-2035)						2.00	2.00	2.00	2.00	2.00	2.00
Uncontracted Requirements after CSP		1.00	0.85	0.35	0.43	0.82	2.08	3.36	4.65	5.94	7.23
% - Uncontracted Requirements after CSP vs Peak Demand		5.56%	-4.42%	1.71%	-1.99%	3.59%	8.65%	13.25%	17.44%	21.25%	24.75%

Figure 122. Supply-Demand Profile of ESAMELCO



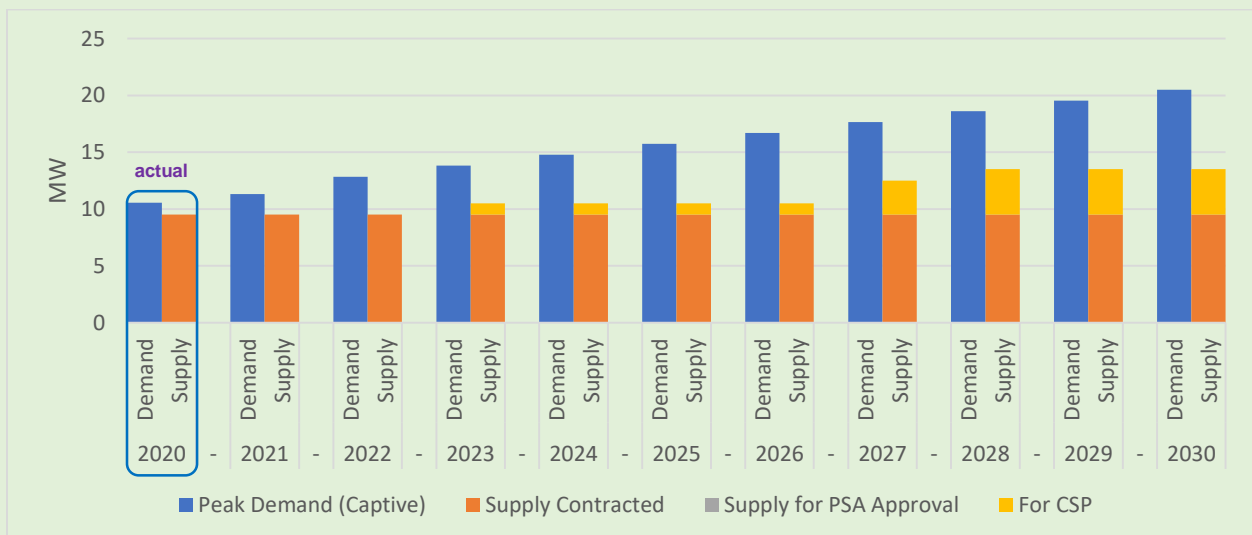
ESAMELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	20.29	20.14	20.96	21.77	22.59	23.41	24.22	25.04	25.85	26.67	27.48
Supply Contracted	15.00	19.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Supply for PSA Approval		1.60	1.60	1.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60
Uncontracted Requirements		0.46	4.36	5.17	4.99	5.81	6.62	7.44	8.25	9.07	9.88
Incremental Requirements			4.82	0.82	0.18	0.82	0.81	0.82	0.81	0.82	0.82
For CSP		-	-	5.00	7.00	7.00	12.00	12.00	12.00	12.00	12.00
CSP Schedule											
Baseload (2023-2025)				5.00	5.00	5.00					
Intermediate (2024-2038)					2.00	2.00	2.00	2.00	2.00	2.00	2.00
Baseload (2026-2033)							10.00	10.00	10.00	10.00	10.00
Uncontracted Requirements after CSP		0.46	4.36	0.17	2.01	1.20	5.38	4.56	3.75	2.93	2.12
% - Uncontracted Requirements after CSP vs Peak Demand		-2.27%	20.80%	0.80%	-8.90%	-5.11%	-22.21%	-18.23%	-14.50%	-11.00%	-7.71%

Figure 123. Supply-Demand Profile of LEYECO II



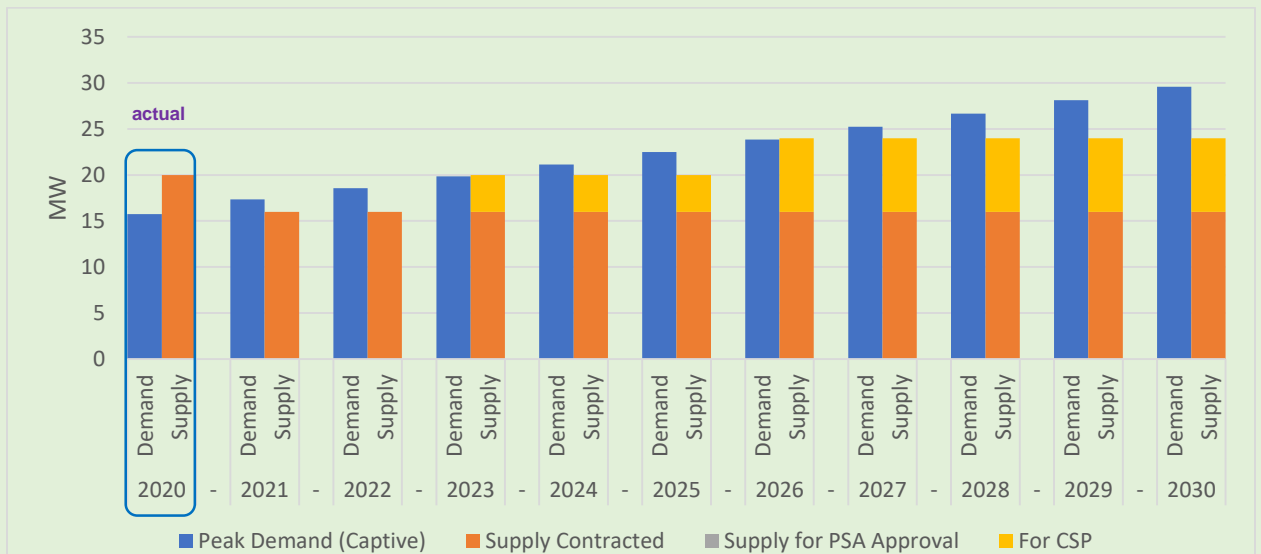
LEYECO II	Actual		Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Peak Demand (Captive)	49.45	50.00	51.12	52.24	53.37	54.49	55.63	56.76	57.89	59.03	60.17	
Supply Contracted	46.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
Supply for PSA Approval		41.00	24.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	
Uncontracted Requirements		4.00	22.12	28.24	29.37	30.49	31.63	32.76	33.89	35.03	36.17	
Incremental Requirements			18.12	6.12	1.13	1.13	1.13	1.13	1.14	1.14	1.14	
For CSP		-	10.00	31.00	31.00	31.00	31.00	31.00	21.00	21.00	21.00	
CSP Schedule												
Baseload (2023-2032)				16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	
Baseload (2023-2029)				5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
Baseload (2023-2027)				10.00	10.00	10.00	10.00	10.00				
Baseload (2022)			10.00									
Uncontracted Requirements after CSP		4.00	12.12	2.76	1.63	0.51	0.63	1.76	12.89	14.03	15.17	
% - Uncontracted Requirements after CSP vs Peak Demand		8.00%	23.70%	-5.28%	-3.06%	-0.93%	1.13%	3.10%	22.27%	23.77%	25.21%	

Figure 124. Supply-Demand Profile of LEYECO III



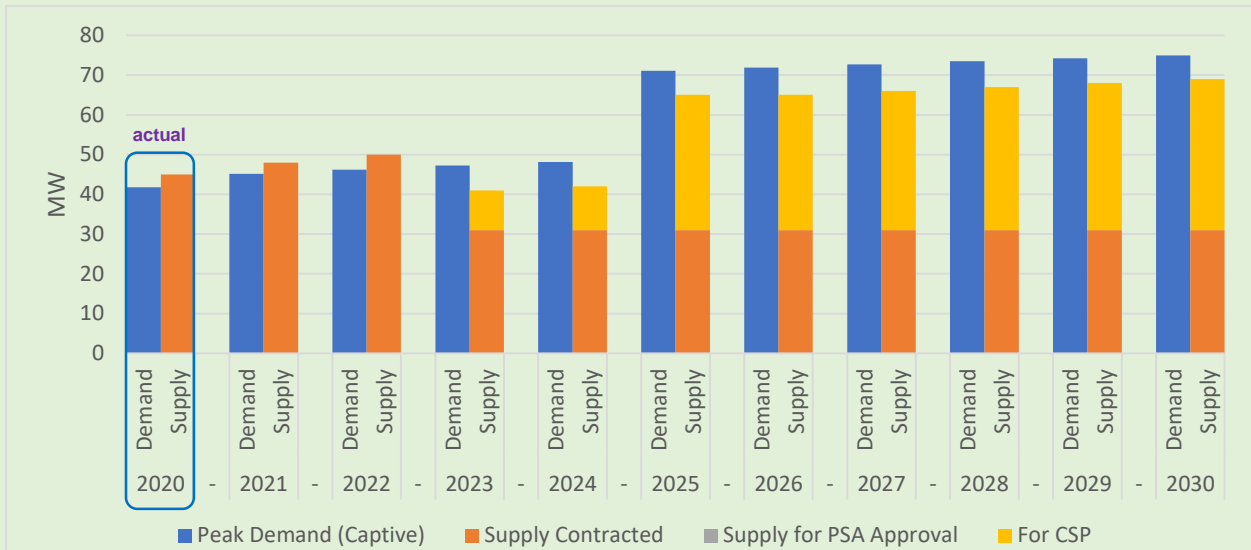
LEYECO III	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	10.56	11.32	12.85	13.81	14.78	15.74	16.70	17.66	18.61	19.55	20.49
Supply Contracted	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
Supply for PSA Approval											
Uncontracted Requirements		1.82	3.35	4.31	5.28	6.24	7.20	8.16	9.11	10.05	10.99
Incremental Requirements			1.53	0.97	0.97	0.96	0.96	0.96	0.95	0.94	0.94
For CSP		-	-	1.00	1.00	1.00	1.00	3.00	4.00	4.00	4.00
CSP Schedule											
Baseload (2023-2027)				1.00	1.00	1.00	1.00	1.00			
Baseload (2028-2033)									2.00	2.00	2.00
Baseload (2027-2033)								2.00	2.00	2.00	2.00
Uncontracted Requirements after CSP		1.82	3.35	3.31	4.28	5.24	6.20	5.16	5.11	6.05	6.99
% - Uncontracted Requirements after CSP vs Peak Demand		16.08%	26.06%	23.99%	28.95%	33.30%	37.14%	29.21%	27.45%	30.95%	34.11%

Figure 125. Supply-Demand Profile of LEYECO IV



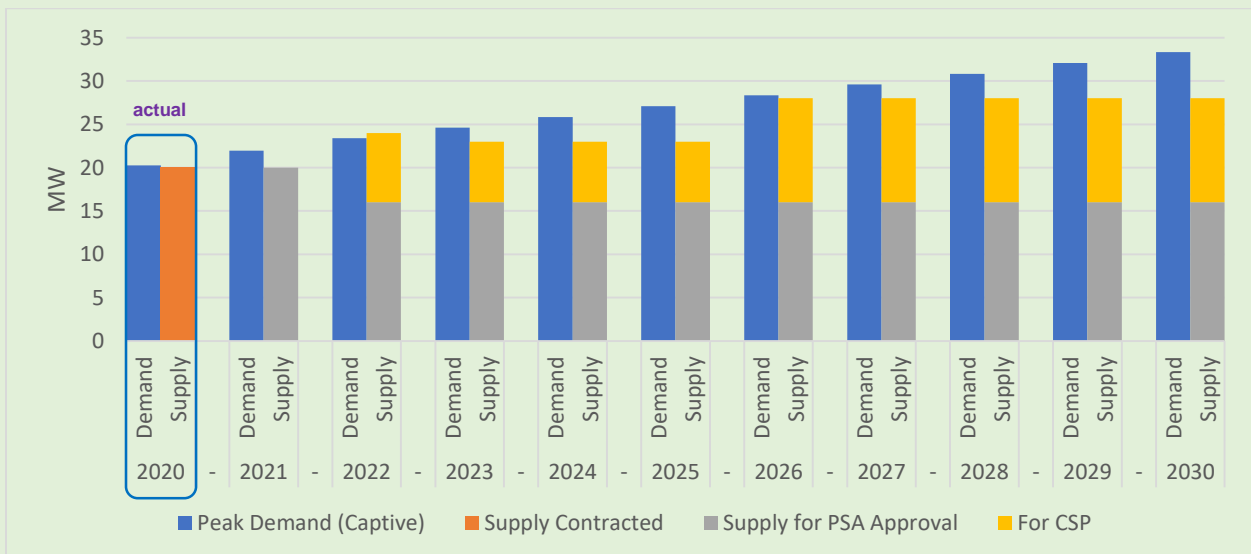
LEYECO IV	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	15.73	17.33	18.57	19.85	21.15	22.49	23.85	25.24	26.67	28.12	29.60
Supply Contracted	20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
Supply for PSA Approval											
Uncontracted Requirements		1.33	2.57	3.85	5.15	6.49	7.85	9.24	10.67	12.12	13.60
Incremental Requirements			1.24	1.27	1.31	1.34	1.37	1.39	1.42	1.45	1.48
For CSP		-	-	4.00	4.00	4.00	8.00	8.00	8.00	8.00	8.00
CSP Schedule											
Baseload (2023-2025)				4.00	4.00	4.00					
Baseload (2026-2040)							8.00	8.00	8.00	8.00	8.00
Uncontracted Requirements after CSP		1.33	2.57	0.15	1.15	2.49	0.15	1.24	2.67	4.12	5.60
% - Uncontracted Requirements after CSP vs Peak Demand		7.69%	13.85%	-0.78%	5.44%	11.06%	-0.62%	4.93%	10.00%	14.64%	18.91%

Figure 126. Supply-Demand Profile of LEYECO V



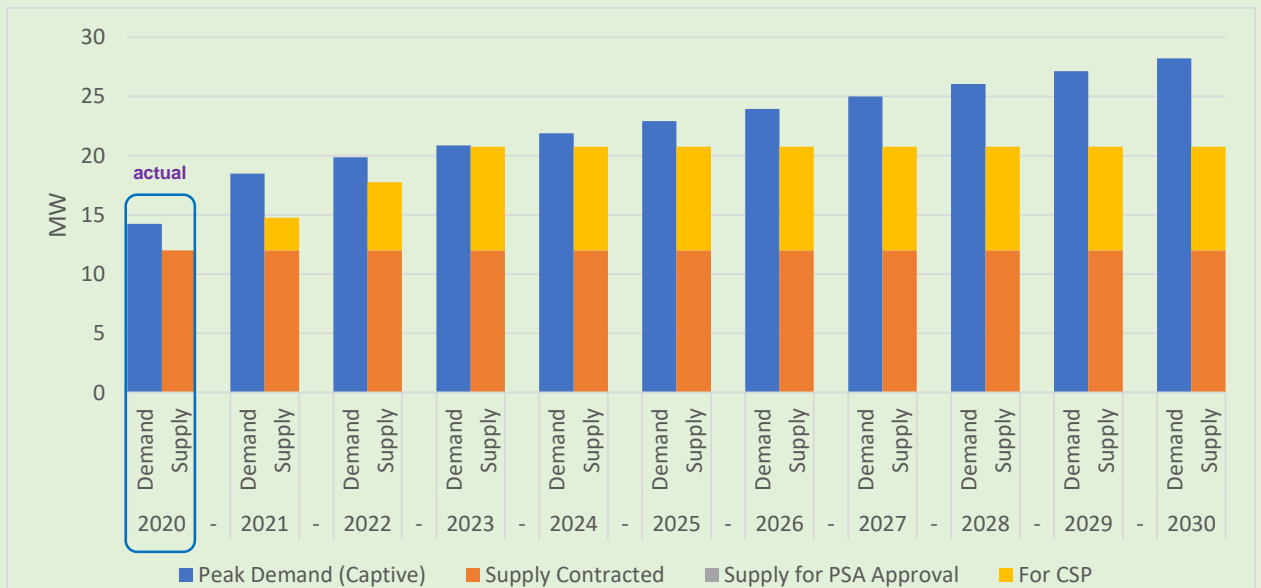
LEYECO V	Actual		Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Peak Demand (Captive)	41.75	45.18	46.24	47.23	48.17	71.05	71.90	72.71	73.48	74.22	74.93	
Supply Contracted	45.00	48.00	50.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	
Supply for PSA Approval												
Uncontracted Requirements		- 2.82	- 3.76	16.23	17.17	40.05	40.90	41.71	42.48	43.22	43.93	
Incremental Requirements			- 0.95	19.99	0.94	22.89	0.85	0.81	0.77	0.74	0.71	
For CSP		-	-	10.00	11.00	34.00	34.00	35.00	36.00	37.00	38.00	
CSP Schedule												
Baseload (2023-2037)				7.00	7.00	29.00	29.00	29.00	29.00	29.00	36.00	
Baseload (2023-2029)				1.00	2.00	3.00	3.00	4.00	5.00	6.00		
Peaking (2023-2030)				2.00	2.00	2.00	2.00	2.00	2.00	2.00		
Uncontracted Requirements after CSP		- 2.82	- 3.76	6.23	6.17	6.05	6.90	6.71	6.48	6.22	5.93	
% - Uncontracted Requirements after CSP vs Peak Demand		-6.24%	-8.14%	13.19%	12.80%	8.52%	9.60%	9.23%	8.82%	8.38%	7.92%	

Figure 127. Supply-Demand Profile of NORSAMELCO



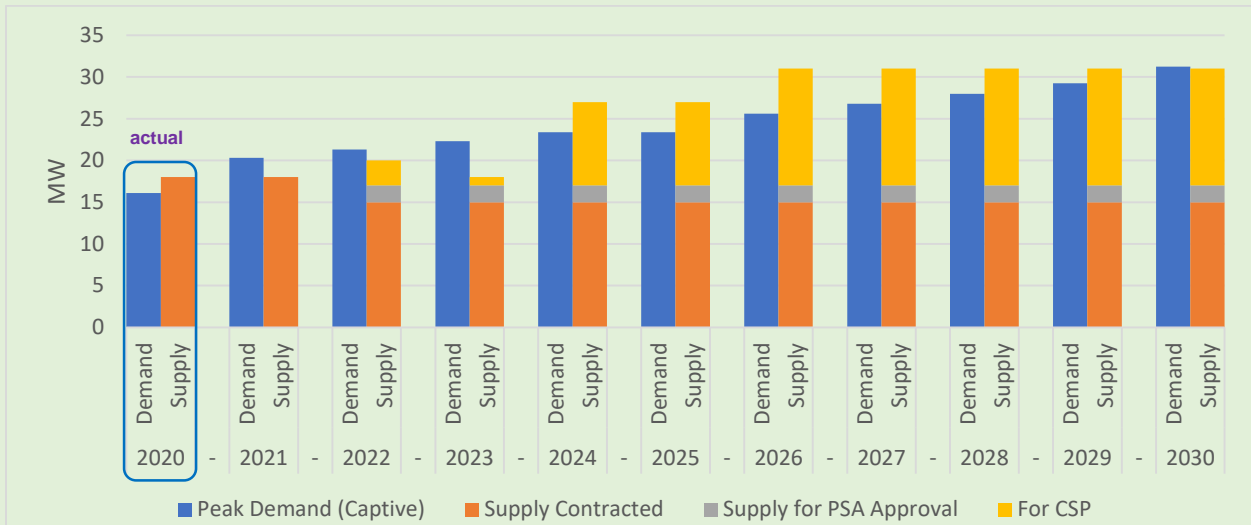
NORSAMELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	20.26	21.95	23.38	24.61	25.84	27.09	28.34	29.59	30.83	32.08	33.31
Supply Contracted	20.00										
Supply for PSA Approval		20.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
Uncontracted Requirements		1.95	7.38	8.61	9.84	11.09	12.34	13.59	14.83	16.08	17.31
Incremental Requirements			5.43	1.22	1.24	1.24	1.25	1.25	1.25	1.24	1.24
For CSP			-	8.00	7.00	7.00	7.00	12.00	12.00	12.00	12.00
CSP Schedule											
Baseload (2022-2044)			5.00	4.00	4.00	4.00	9.00	9.00	9.00	9.00	9.00
Baseload (2022-2030)			3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Uncontracted Requirements after CSP		1.95	-	0.62	1.61	2.84	4.09	0.34	1.59	2.83	4.08
% - Uncontracted Requirements after CSP vs Peak Demand		8.88%	-2.63%	6.53%	11.00%	15.09%	1.19%	5.36%	9.19%	12.71%	15.95%

Figure 128. Supply-Demand Profile of SAMELCO I



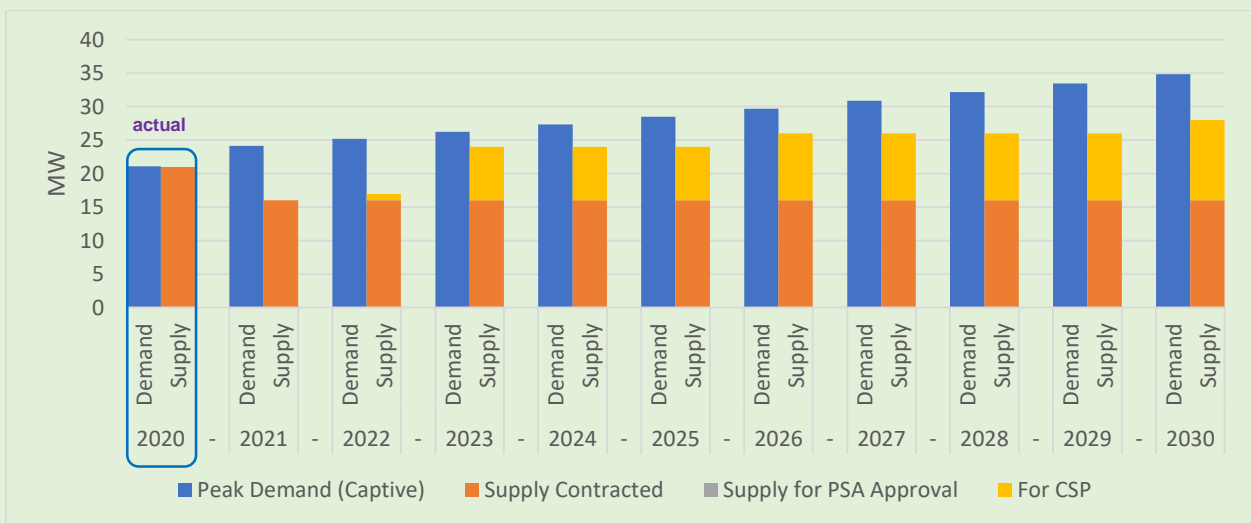
SAMELCO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	14.25	18.50	19.86	20.87	21.89	22.91	23.95	25.00	26.06	27.13	28.23
Supply Contracted	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
Supply for PSA Approval											
Uncontracted Requirements		6.50	7.86	8.87	9.89	10.91	11.95	13.00	14.06	15.13	16.23
Incremental Requirements			1.36	1.00	1.02	1.03	1.04	1.05	1.06	1.08	1.09
For CSP			2.76	5.76	8.76	8.76	8.76	8.76	8.76	8.76	8.76
CSP Schedule											
Baseload (2021-2028)		0.76	0.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76
Peaking (2021-2028)			2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Baseload (2022-2028)			3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Uncontracted Requirements after CSP		3.74	2.10	0.11	1.13	2.15	3.19	4.24	5.30	6.37	7.47
% - Uncontracted Requirements after CSP vs Peak Demand		20.23%	10.59%	0.52%	5.14%	9.39%	13.31%	16.95%	20.34%	23.49%	26.45%

Figure 129. Supply-Demand Profile of SAMELCO II



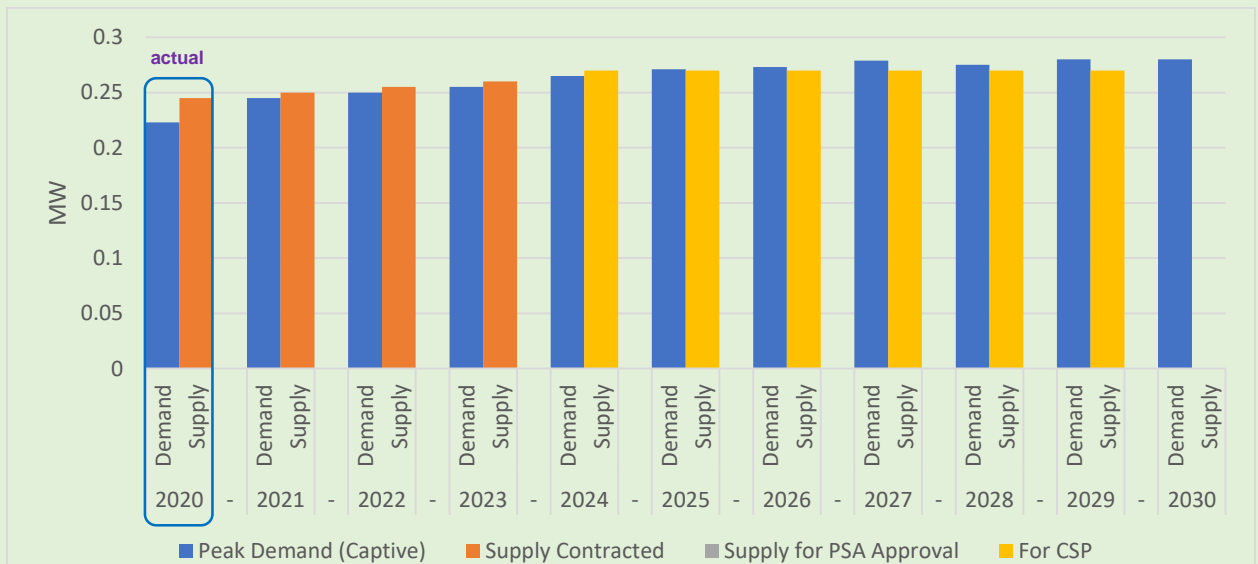
SAMELCO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	16.08	20.33	21.31	22.33	23.38	23.38	25.62	26.79	28.00	29.26	31.26
Supply Contracted	18.00	18.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Supply for PSA Approval			2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Uncontracted Requirements		2.33	4.31	5.33	6.38	6.38	8.62	9.79	11.00	12.26	14.26
Incremental Requirements			1.98	1.02	1.06	-	2.23	1.17	1.21	1.25	2.00
For CSP		-	3.00	1.00	10.00	10.00	14.00	14.00	14.00	14.00	14.00
CSP Schedule											
Baseload (2022-2041)			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Baseload (2024-2043)					5.00	5.00	5.00	5.00	5.00	5.00	5.00
Baseload (2024-2025)					4.00	4.00					
Baseload (2026-2036)							8.00	8.00	8.00	8.00	8.00
Peaking (2022)			2.00								
Uncontracted Requirements after CSP		2.33	1.31	4.33	3.62	3.62	5.38	4.21	3.00	1.74	0.26
% - Uncontracted Requirements after CSP vs Peak Demand		11.45%	6.13%	19.38%	-15.47%	-15.47%	-21.02%	-15.71%	-10.70%	-5.96%	0.82%

Figure 130. Supply-Demand Profile of SOLECO



SOLECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	21.10	24.16	25.19	26.25	27.35	28.49	29.66	30.88	32.15	33.46	34.83
Supply Contracted	21.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
Supply for PSA Approval											
Uncontracted Requirements		8.16	9.19	10.25	11.35	12.49	13.66	14.88	16.15	17.46	18.83
Incremental Requirements			1.03	1.06	1.10	1.13	1.18	1.22	1.26	1.31	1.37
For CSP		-	1.00	8.00	8.00	8.00	10.00	10.00	10.00	10.00	12.00
CSP Schedule											
Baseload (2026-2030)							2.00	2.00	2.00	2.00	2.00
Baseload (2022-2030)			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Baseload (2023-2030)				7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
Baseload (2030-2040)											2.00
Uncontracted Requirements after CSP		8.16	8.19	2.25	3.35	4.49	3.66	4.88	6.15	7.46	6.83
% - Uncontracted Requirements after CSP vs Peak Demand		33.77%	32.52%	8.59%	12.26%	15.75%	12.35%	15.81%	19.12%	22.29%	19.60%

Figure 131. Supply-Demand Profile of MMPC



MMPC	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	0.22	0.25	0.25	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.28
Supply Contracted	0.25	0.25	0.26	0.26							
Supply for PSA Approval											
Uncontracted Requirements		- 0.01	- 0.01	- 0.01	0.27	0.27	0.27	0.28	0.28	0.28	0.28
Incremental Requirements			-	-	0.27	0.01	0.00	0.01	- 0.00	0.01	-
For CSP		-	-	-	0.27	0.27	0.27	0.27	0.27	0.27	-
CSP Schedule											
Baseload (2024-2029)					0.27	0.27	0.27	0.27	0.27	0.27	
Uncontracted Requirements after CSP		- 0.01	- 0.01	- 0.01	- 0.01	0.00	0.00	0.01	0.01	0.01	0.28
% - Uncontracted Requirements after CSP vs Peak Demand		-2.04%	-2.00%	-1.96%	-1.89%	0.37%	1.10%	3.23%	1.82%	3.57%	100.00%

MINDANAO

Figure 132. Supply-Demand Profile of Mindanao DUs



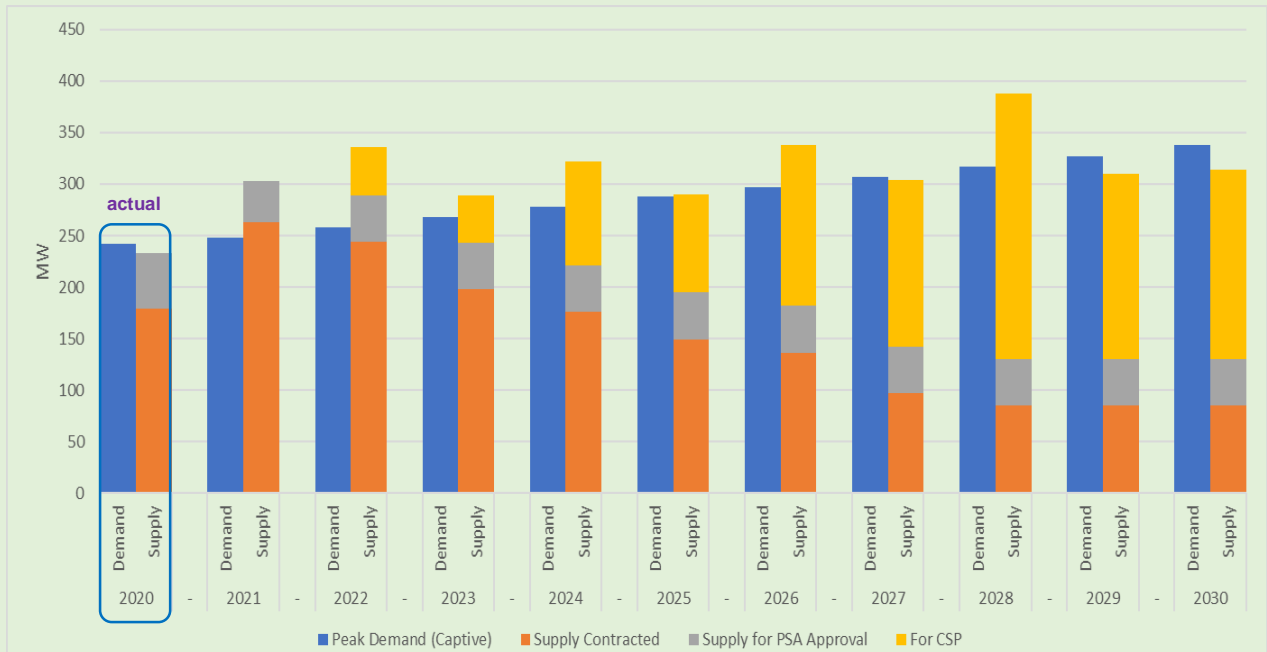
MINDANAO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	1,913.64	2,077.94	2,362.44	2,471.63	2,569.58	2,672.32	2,774.89	2,881.20	2,990.77	3,101.99	3,198.57
Supply Contracted	2,253.92	2,282.69	2,239.12	1,942.71	1,722.80	1,683.50	1,433.04	1,333.86	1,299.73	1,217.20	1,205.63
Supply for PSA Approval	236.51	171.99	188.74	190.13	231.16	223.57	223.57	198.57	198.57	198.57	198.57
Uncontracted Requirements		- 376.74	- 65.42	338.78	615.61	765.25	1,118.27	1,348.77	1,492.46	1,686.22	1,794.37
Incremental Requirements			311.32	404.20	276.83	149.63	353.03	230.49	143.70	193.75	108.15
For CSP			339.35	586.69	844.07	827.40	1,095.81	1,124.37	1,267.28	1,234.69	1,263.09
CSP Schedule			339.35	586.69	844.07	827.40	1,095.81	1,124.37	1,267.28	1,234.69	1,263.09
Uncontracted Requirements after CSP		- 376.74	- 404.77	- 247.91	- 228.45	- 62.15	22.46	224.40	225.18	451.53	531.28
% - Uncontracted Requirements after CSP vs Peak Demand		-18.13%	-17.13%	-10.03%	-8.89%	-2.33%	0.81%	7.79%	7.53%	14.56%	16.61%

Mindanao recorded a non-coincident peak demand of 1,913.64 MW in 2020 and is projected to rise from 2,077.94 MW in 2021 to 3,198.57 MW in 2030, with a 4.97% AAGR over the entire planning period. Mindanao will have a supply deficit of 338.78 MW starting 2023, which is expected to grow annually.

➤ REGION IX (ZAMBOANGA PENINSULA)

The non-coincident peak demand of Region IX DUs reached 241.94 MW in 2020. This is expected to increase from 247.53 MW in 2021 to 337.65 MW in 2030 with an AAGR of 3.39% for the ten-year planning horizon. Region IX will have a supply deficit of 25.28 MW up to 207.11 MW for the period 2023-2030, which is expected to grow annually.

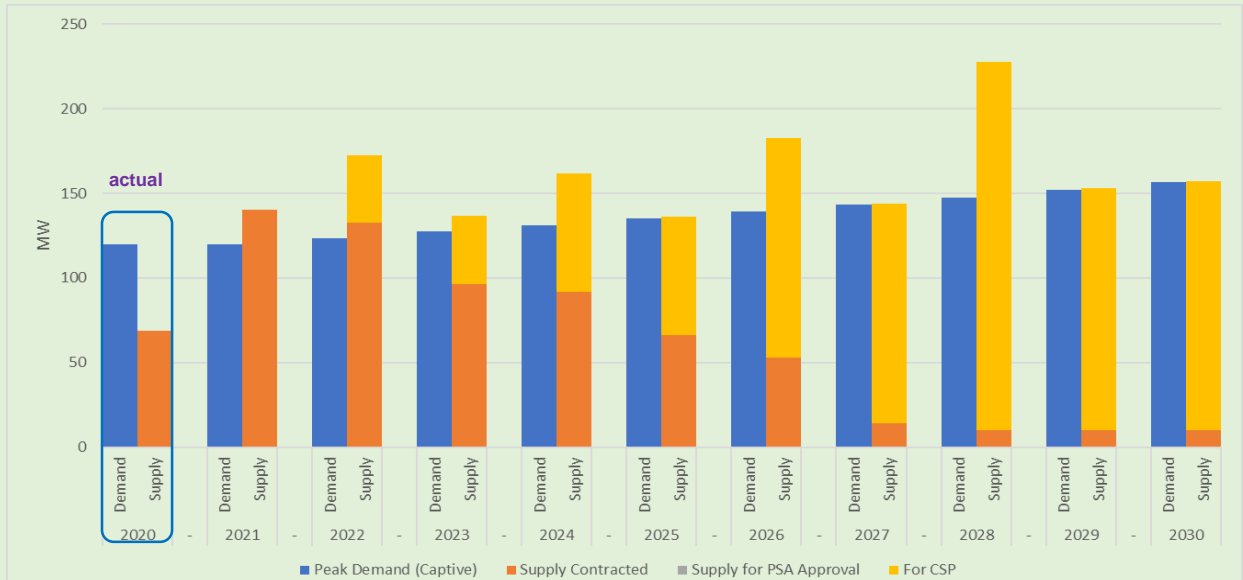
Figure 133. Supply-Demand Profile of Region IX DUs



REGION 9	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	241.94	247.53	257.84	267.92	278.40	287.88	297.41	307.19	317.13	327.25	337.65
Supply Contracted	179.26	262.88	243.84	197.64	175.54	149.54	136.54	97.54	85.54	85.54	85.54
Supply for PSA Approval	53.54	40.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Uncontracted Requirements		- 55.35	- 31.00	25.28	57.86	93.34	115.87	164.65	186.59	196.71	207.11
Incremental Requirements			24.35	56.29	32.58	35.48	22.52	48.78	21.94	10.12	10.40
For CSP		-	46.67	45.88	100.96	95.86	155.86	160.88	256.89	178.92	182.94
CSP Schedule											
			46.67	45.88	100.96	95.86	155.86	160.88	256.89	178.92	182.94
Uncontracted Requirements after CSP		- 55.35	- 77.68	- 20.60	- 43.10	- 2.51	- 40.00	3.77	- 70.31	17.79	24.17
% - Uncontracted Requirements after CSP vs Peak Demand		-22.36%	-30.13%	-7.69%	-15.48%	-0.87%	-13.45%	1.23%	-22.17%	5.44%	7.16%

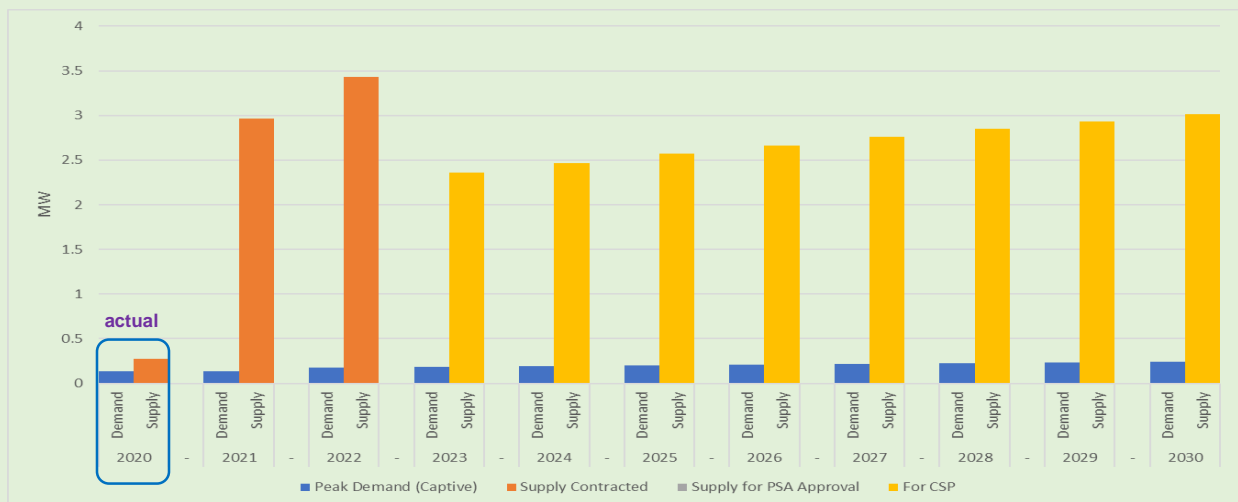
For the planning period, the DUs in Region IX have a schedule for CSP ranging from 45.88 MW to 256.89 MW wherein majority of the requirements came from ZAMCELCO. Based on the current contracting level and schedule for CSP of Region IX DUs, Zamboanga Peninsula will have enough supply until 2028.

Figure 134. Supply-Demand Profile of ZAMCELCO - Grid



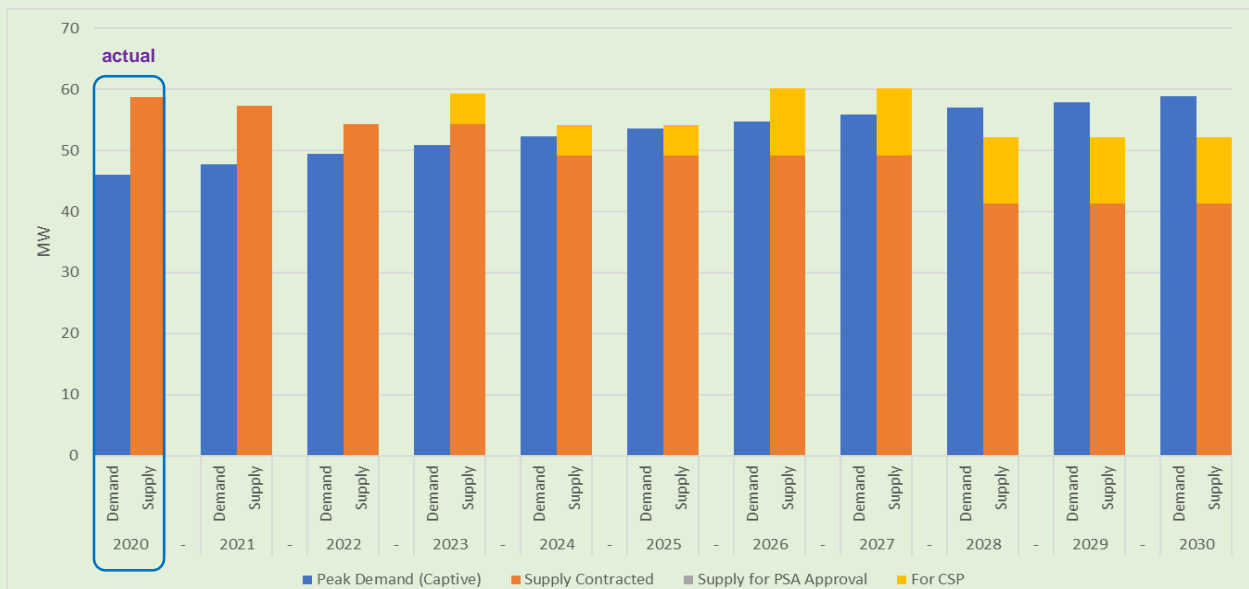
ZAMCELCO - GRID	Forecast										
	Actual 2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	120.00	120.00	123.60	127.30	131.10	135.10	139.10	143.30	147.60	152.00	156.60
Supply Contracted	68.58	140.58	132.59	96.59	92.00	66.00	53.00	14.00	10.00	10.00	10.00
Supply for PSA Approval											
Uncontracted Requirements	-	20.58	8.99	30.71	39.10	69.10	86.10	129.30	137.60	142.00	146.60
Incremental Requirements			11.60	39.70	8.39	30.00	17.00	43.20	8.30	4.40	4.60
For CSP			40.00	40.00	70.00	70.00	130.00	130.00	218.00	143.00	147.00
CSP Schedule											
Baseload 1 (2022-2028)			40.00	40.00	40.00	40.00	40.00	40.00	40.00		
Intermediate 1 (2024-2028)					30.00	30.00	40.00	40.00	40.00		
Intermediate 2 (2026-2036)							50.00	50.00	40.00	50.00	50.00
Baseload 2 (2028-2038)									98.00	93.00	97.00
Uncontracted Requirements after CSP	-	20.58	48.99	9.29	30.90	0.90	43.90	0.70	80.40	1.00	0.40
% - Uncontracted Requirements after CSP vs Peak Demand		-17.15%	-39.63%	-7.30%	-23.57%	-0.67%	-31.56%	-0.49%	-54.47%	-0.66%	-0.26%

Figure 135. Supply-Demand Profile of ZAMCELCO - Sacol Island



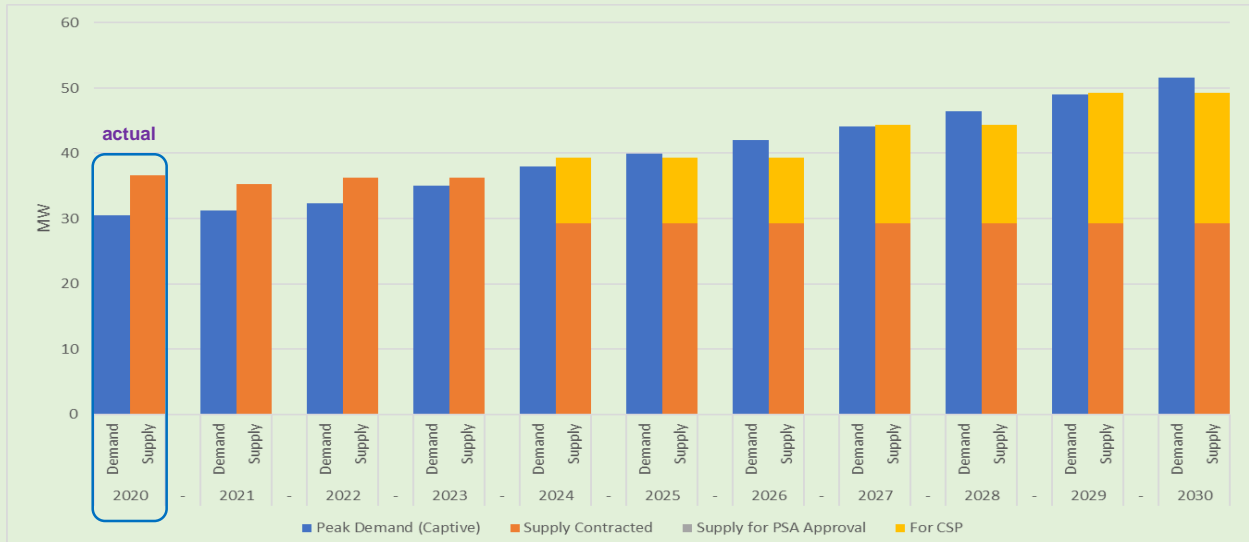
ZAMCELCO - SACOL ISLAND	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	0.14	0.14	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.23	0.24
Supply Contracted	0.28	2.97	3.44								
Supply for PSA Approval											
Uncontracted Requirements		- 2.83	- 3.26	0.18	0.19	0.20	0.21	0.22	0.23	0.23	0.24
Incremental Requirements			- 0.43	3.44	0.01	0.01	0.01	0.01	0.01	0.01	0.01
For CSP		-	-	2.36	2.47	2.57	2.67	2.76	2.85	2.93	3.02
CSP Schedule											
NPC-SPUG renewal (2022-2027)				2.36	2.47	2.57	2.67	2.76			
NPC-SPUG renewal (2028-2033)									2.85	2.93	3.02
Uncontracted Requirements after CSP		- 2.83	- 3.26	- 2.17	- 2.27	- 2.37	- 2.46	- 2.54	- 2.62	- 2.70	- 2.78
% - Uncontracted Requirements after CSP vs Peak Demand		-2050.72%	-1874.29%	-1181.78%	-1175.50%	-1170.28%	-1165.89%	-1162.15%	-1158.92%	-1156.12%	-1153.67%

Figure 136. Supply-Demand Profile of ZAMSURECO I



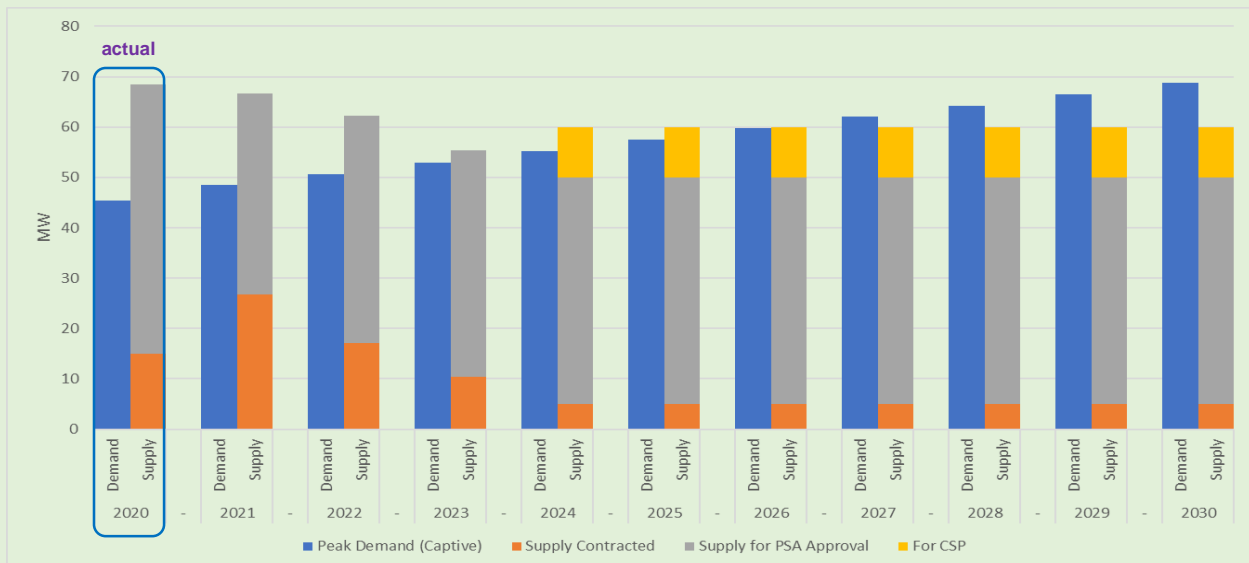
ZAMSURECO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	45.96	47.73	49.40	50.93	52.32	53.61	54.81	55.93	56.97	57.96	58.89
Supply Contracted	58.75	57.34	54.34	54.34	49.24	49.24	49.24	49.24	41.24	41.24	41.24
Supply for PSA Approval											
Uncontracted Requirements		- 9.61	- 4.94	- 3.41	3.08	4.37	5.57	6.69	15.73	16.72	17.65
Incremental Requirements			4.67	1.52	6.50	1.29	1.20	1.12	9.05	0.98	0.93
For CSP		-	-	5.00	5.00	5.00	11.00	11.00	11.00	11.00	11.00
CSP Schedule											
Intermediate 1 (2023-2038)				5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Intermediate 2 (2026-2046)							6.00	6.00	6.00	6.00	6.00
Uncontracted Requirements after CSP		- 9.61	- 4.94	- 8.41	- 1.92	- 0.63	- 5.43	- 4.31	4.73	5.72	6.65
% - Uncontracted Requirements after CSP vs Peak Demand		-20.14%	-9.99%	-16.52%	-3.66%	-1.17%	-9.91%	-7.71%	8.31%	9.86%	11.29%

Figure 137. Supply-Demand Profile of ZAMSURECO II



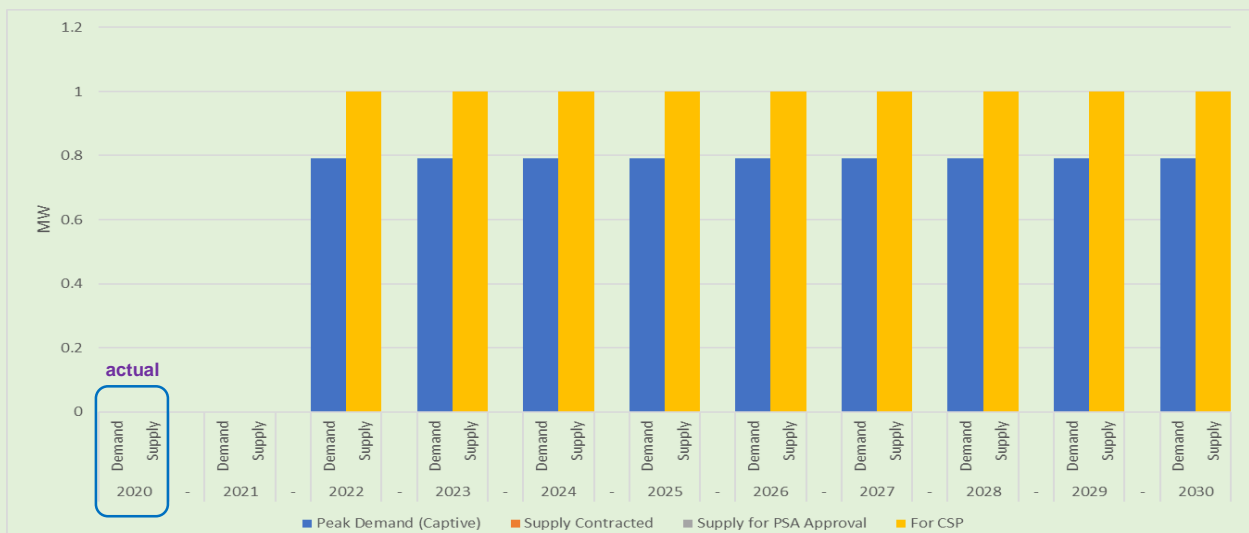
ZAMSURECO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	30.46	31.22	32.39	34.97	37.99	39.91	41.97	44.16	46.49	48.96	51.56
Supply Contracted	36.65	35.30	36.30	36.30	29.30	29.30	29.30	29.30	29.30	29.30	29.30
Supply for PSA Approval	-	-	-	-	-	-	-	-	-	-	-
Uncontracted Requirements	-	4.08	3.91	1.33	8.69	10.61	12.67	14.86	17.19	19.66	22.26
Incremental Requirements	-	0.17	2.58	10.01	1.93	2.06	2.19	2.33	2.47	2.61	-
For CSP	-	-	-	-	10.00	10.00	10.00	15.00	15.00	20.00	20.00
CSP Schedule											
Intermediate/Peaking (2024-2044)					10.00	10.00	10.00	10.00	10.00	10.00	10.00
Baseload (2027-2047)								5.00	5.00	10.00	10.00
Uncontracted Requirements after CSP	-	4.08	3.91	1.33	1.31	0.61	2.67	0.14	2.19	0.34	2.26
% - Uncontracted Requirements after CSP vs Peak Demand		-13.08%	-12.07%	-3.79%	-3.45%	1.54%	6.36%	-0.31%	4.71%	-0.70%	4.39%

Figure 138. Supply-Demand Profile of ZANECO - Grid



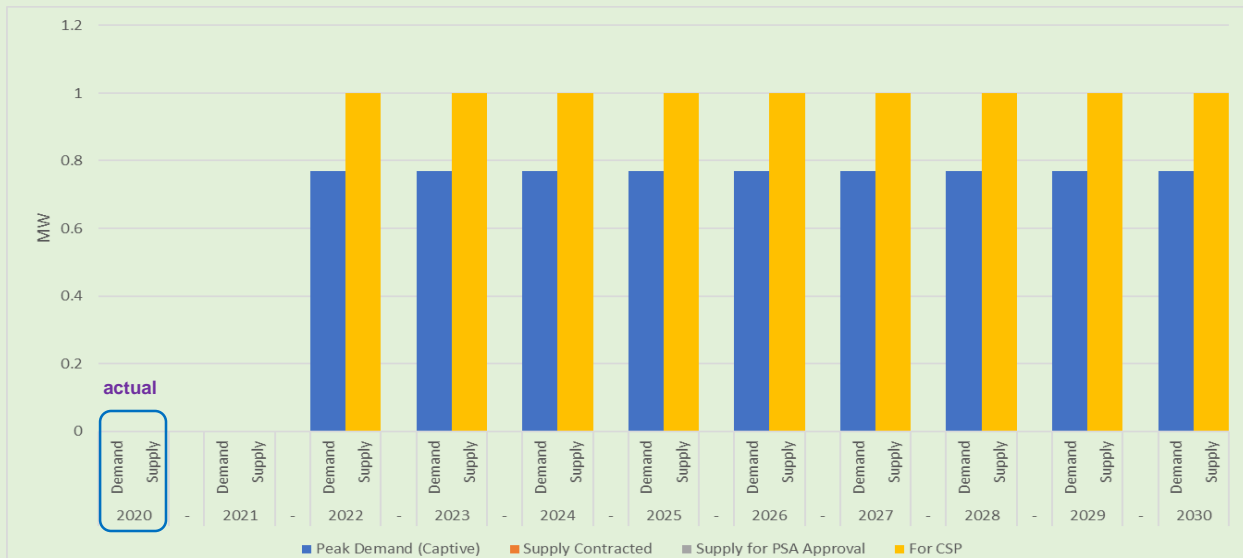
ZANECO - GRID	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	45.37	48.45	50.71	52.97	55.23	57.49	59.75	62.02	64.28	66.54	68.80
Supply Contracted	15.00	26.69	17.18	10.41	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Supply for PSA Approval	53.54	40.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
Uncontracted Requirements		- 18.24	- 11.47	- 2.44	5.23	7.49	9.75	12.02	14.28	16.54	18.80
Incremental Requirements			6.77	9.03	7.67	2.26	2.26	2.26	2.26	2.26	2.26
For CSP		-	-	-	10.00	10.00	10.00	10.00	10.00	10.00	10.00
CSP Schedule											
Intermediate (2024-2048)					10.00	10.00	10.00	10.00	10.00	10.00	10.00
Uncontracted Requirements after CSP		- 18.24	- 11.47	- 2.44	- 4.77	- 2.51	- 0.25	2.02	4.28	6.54	8.80
% - Uncontracted Requirements after CSP vs Peak Demand		-37.66%	-22.62%	-4.60%	-8.63%	-4.36%	-0.41%	3.25%	6.65%	9.83%	12.79%

Figure 139. Supply-Demand Profile of ZANECO - Aliguay



ZANECO - ALIGUAY	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)			0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
Supply Contracted											
Supply for PSA Approval											
Uncontracted Requirements		-	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
Incremental Requirements			0.79	-	-	-	-	-	-	-	-
For CSP		-	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CSP Schedule											
Intermediate (2022-2032)			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uncontracted Requirements after CSP		-	- 0.21	- 0.21	- 0.21	- 0.21	- 0.21	- 0.21	- 0.21	- 0.21	- 0.21
% - Uncontracted Requirements after CSP vs Peak Demand		#DIV/0!	-26.26%	-26.26%	-26.26%	-26.26%	-26.26%	-26.26%	-26.26%	-26.26%	-26.26%

Figure 140. Supply-Demand Profile of ZANECO - Selinog

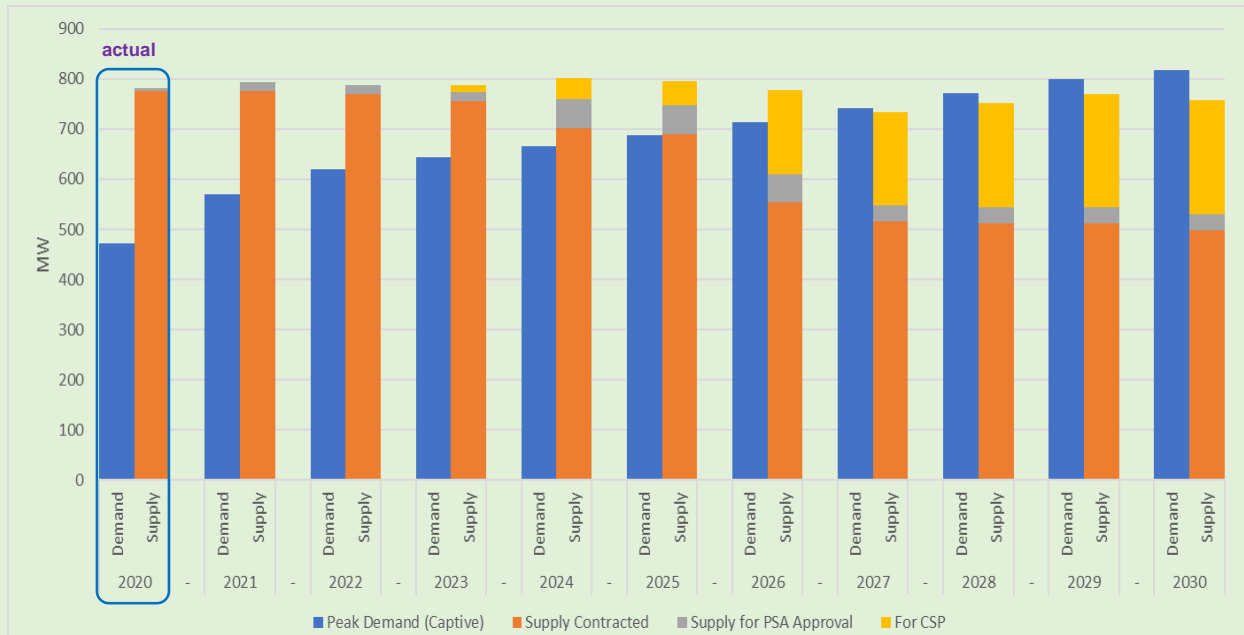


ZANECO - SELINOG	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)			0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
Supply Contracted											
Supply for PSA Approval											
Uncontracted Requirements		-	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
Incremental Requirements			0.77	-	-	-	-	-	-	-	-
For CSP		-	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CSP Schedule											
Intermediate (2022-2032)			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uncontracted Requirements after CSP		-	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
% - Uncontracted Requirements after CSP vs Peak Demand		#DIV/0!	-29.87%	-29.87%	-29.87%	-29.87%	-29.87%	-29.87%	-29.87%	-29.87%	-29.87%

➤ **REGION X (NORTHERN MINDANAO)**

Northern Mindanao recorded a non-coincident peak demand of 472.16 MW in 2020. This was expected to increase from 568.91 MW in 2021 to 817.09 MW in 2030 with an AAGR of 5.23% for the ten-year planning period. Region X will have a supply deficit of 103.77 MW starting 2026, and is projected to rise annually.

Figure 141. Supply-Demand Profile of Region X DUs

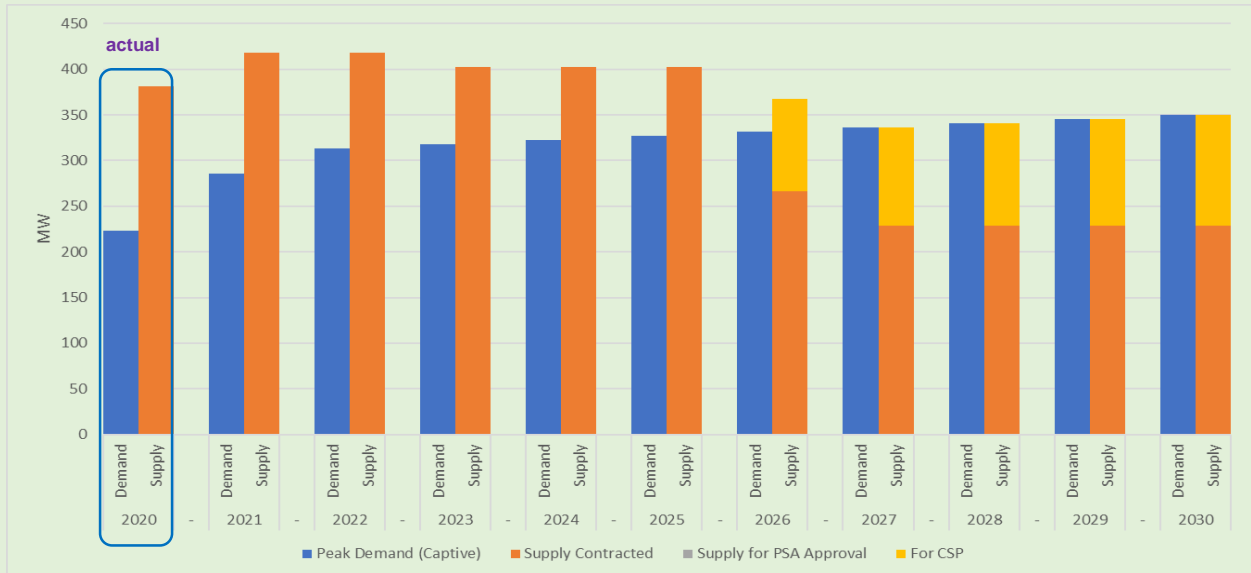


REGION 10	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	472.16	568.91	619.37	643.92	665.04	686.88	714.06	741.39	772.52	799.26	817.09
Supply Contracted	776.49	775.43	769.56	754.77	702.65	689.89	553.29	516.29	511.29	511.29	498.54
Supply for PSA Approval	6.00	17.22	19.00	18.00	57.00	57.00	57.00	32.00	32.00	32.00	32.00
Uncontracted Requirements		- 223.75	- 169.19	- 128.85	- 94.61	- 60.01	103.77	193.10	229.23	255.97	286.55
Incremental Requirements			54.56	40.34	34.25	34.60	163.77	89.33	36.13	26.74	30.58
For CSP				15.00	41.42	48.90	166.90	185.27	208.22	225.43	226.81
CSP Schedule				15.00	41.42	48.90	166.90	185.27	208.22	225.43	226.81
Uncontracted Requirements after CSP		- 223.75	- 169.19	- 143.85	- 136.03	- 108.91	- 63.13	7.83	21.01	30.54	59.74
% - Uncontracted Requirements after CSP vs Peak Demand		-39.33%	-27.32%	-22.34%	-20.45%	-15.86%	-8.84%	1.06%	2.72%	3.82%	7.31%

For the planning period, the DUs in Region X have a schedule for CSP ranging from 15.00 MW to 226.81 MW wherein majority of the requirements will come from CEPALCO and MORESCO I.

With the proposed CSP of the Region X DUs, the uncontracted requirements of Northern Mindanao will be reduced to 1.06% in 2027 up to 7.31% by 2030 of the total requirements of Region X.

Figure 142. Supply-Demand Profile of CEPALCO



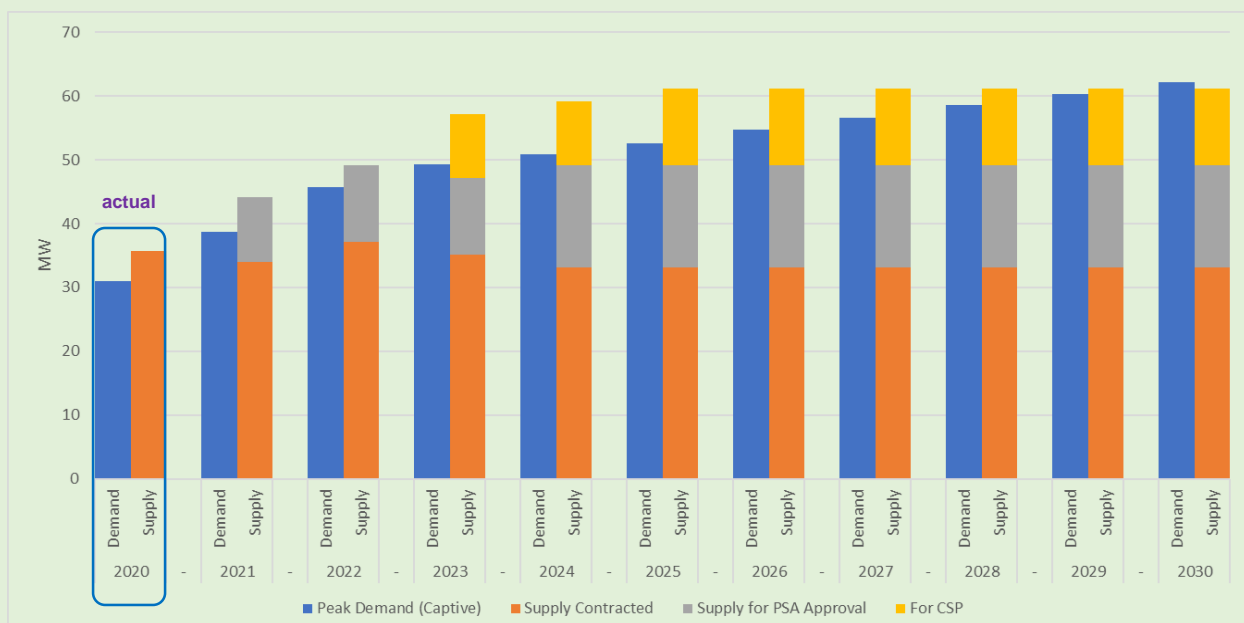
CEPALCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	223.21	286.08	313.33	317.50	322.22	326.91	331.57	336.20	340.79	345.35	349.88
Supply Contracted	381.26	417.86	417.86	402.55	402.55	402.55	265.95	228.95	228.95	228.95	228.95
Supply for PSA Approval											
Uncontracted Requirements		- 131.78	- 104.53	- 85.05	- 80.33	- 75.64	65.62	107.25	111.84	116.40	120.93
Incremental Requirements			27.25	19.49	4.72	4.69	141.26	41.63	4.59	4.56	4.53
For CSP		-	-	-	-	-	101.56	107.25	111.84	116.40	120.93
CSP Schedule											
Intermediate (2026-2040)							101.56	107.25	111.84	116.40	120.93
Uncontracted Requirements after CSP		- 131.78	- 104.53	- 85.05	- 80.33	- 75.64	- 35.93	-	-	-	-
% - Uncontracted Requirements after CSP vs Peak Demand		-46.07%	-33.36%	-26.79%	-24.93%	-23.14%	-10.84%	0.00%	0.00%	0.00%	0.00%

Figure 143. Supply-Demand Profile of ILPI



ILPI	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	39.98	43.04	44.30	47.16	48.48	49.82	51.19	52.58	54.01	55.46	56.94
Supply Contracted	64.75	64.75	64.75	64.75	39.75	39.75	39.75	39.75	39.75	39.75	27.00
Supply for PSA Approval					25.00	25.00	25.00				
Uncontracted Requirements		- 21.71	- 20.45	- 17.59	- 16.27	- 14.93	- 13.56	12.83	14.26	15.71	29.94
Incremental Requirements			1.26	2.86	1.32	1.34	1.37	26.39	1.43	1.45	14.23
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		- 21.71	- 20.45	- 17.59	- 16.27	- 14.93	- 13.56	12.83	14.26	15.71	29.94
% - Uncontracted Requirements after CSP vs Peak Demand		-50.44%	-46.16%	-37.30%	-33.56%	-29.97%	-26.49%	24.40%	26.40%	28.33%	52.58%

Figure 144. Supply-Demand Profile of BUSECO



BUSECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	30.99	38.73	45.79	49.31	50.93	52.67	54.71	56.65	58.56	60.36	62.14
Supply Contracted	35.69	34.00	37.18	35.18	33.18	33.18	33.18	33.18	33.18	33.18	33.18
Supply for PSA Approval		10.22	12.00	12.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
Uncontracted Requirements		- 5.49	- 3.39	2.13	1.75	3.49	5.53	7.47	9.38	11.18	12.96
Incremental Requirements			2.11	5.52	0.38	1.74	2.04	1.93	1.91	1.80	1.78
For CSP		-	-	10.00	10.00	12.00	12.00	12.00	12.00	12.00	12.00
CSP Schedule											
Baseload 1 (2023-2028)				8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
Baseload 2 (2023-2043)				2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Intermediate (2025-2050)						2.00	2.00	2.00	2.00	2.00	2.00
Uncontracted Requirements after CSP		- 5.49	- 3.39	- 7.87	- 8.25	- 8.51	- 6.47	- 4.53	- 2.62	- 0.82	0.96
% - Uncontracted Requirements after CSP vs Peak Demand		-14.19%	-7.39%	-15.95%	-16.19%	-16.15%	-11.82%	-8.00%	-4.47%	-1.35%	1.55%

Figure 145. Supply-Demand Profile of CAMELCO



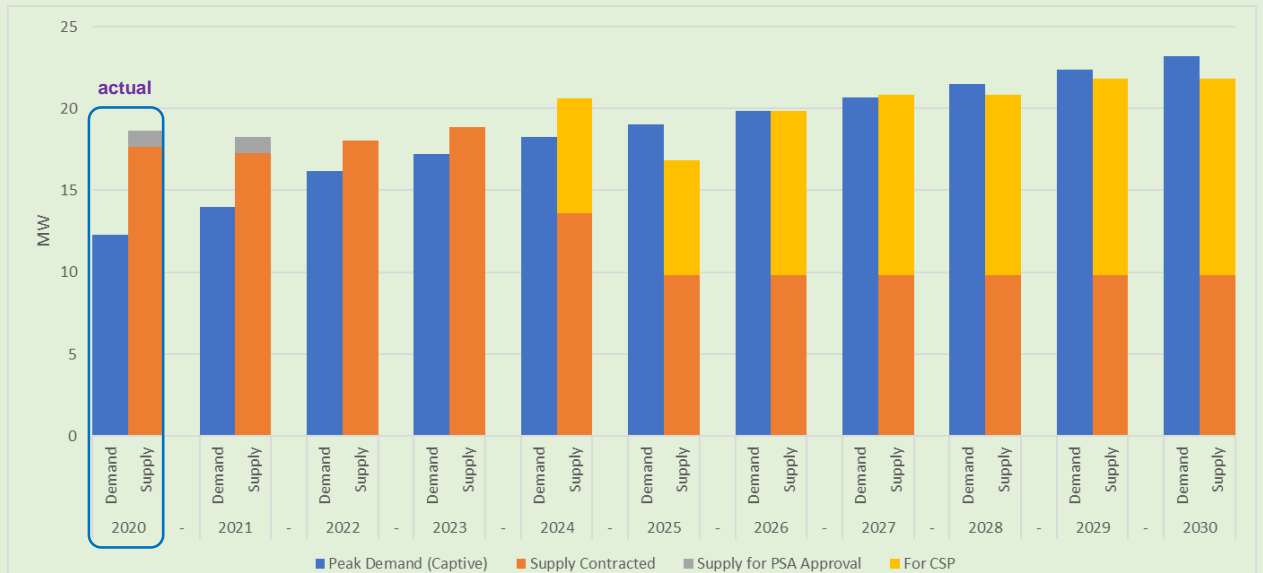
CAMELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	4.71	4.82	4.99	5.17	5.35	5.52	5.70	5.88	6.05	6.23	6.41
Supply Contracted	11.73	11.73	11.73	11.73	10.73	6.73	6.73	6.73	6.73	6.73	6.73
Supply for PSA Approval											
Uncontracted Requirements		- 6.91	- 6.74	- 6.56	- 5.38	- 1.21	- 1.03	- 0.85	- 0.68	- 0.50	- 0.32
Incremental Requirements			0.18	0.18	1.18	4.18	0.18	0.18	0.18	0.18	0.18
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		- 6.91	- 6.74	- 6.56	- 5.38	- 1.21	- 1.03	- 0.85	- 0.68	- 0.50	- 0.32
% - Uncontracted Requirements after CSP vs Peak Demand		-143.46%	-134.85%	-126.83%	-100.64%	-21.82%	-18.04%	-14.49%	-11.15%	-8.00%	-5.02%

Figure 146. Supply-Demand Profile of FIBECO



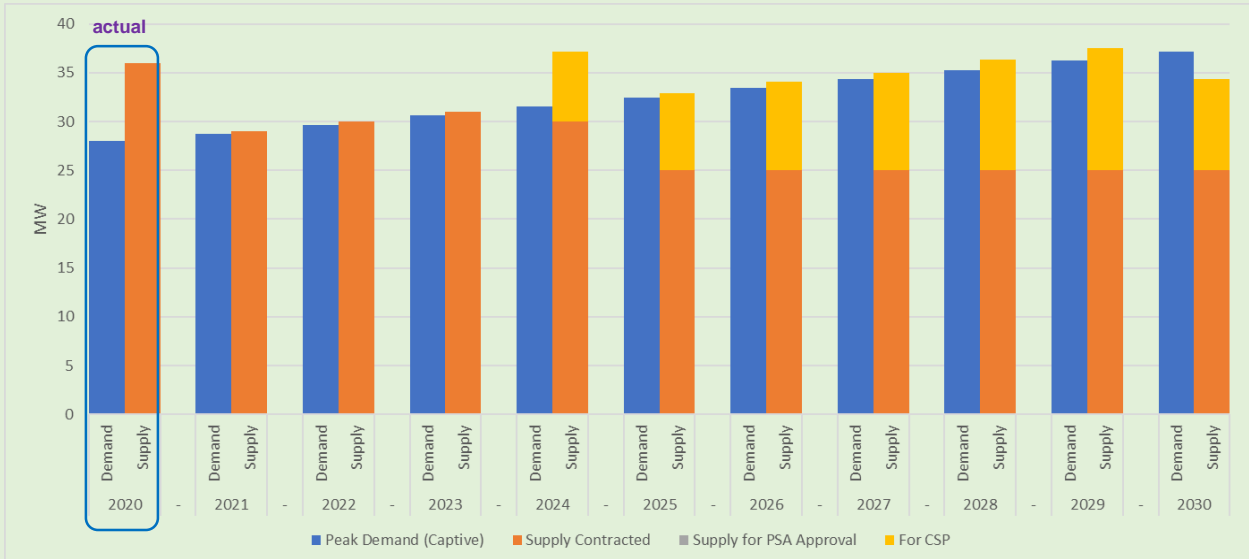
FIBECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	43.31	50.97	54.40	57.87	61.39	64.94	68.50	72.07	75.63	79.19	81.00
Supply Contracted	81.40	81.40	68.40	73.90	69.30	69.30	69.30	69.30	69.30	69.30	69.30
Supply for PSA Approval			2.00								
Uncontracted Requirements		- 30.43	- 16.00	- 16.03	- 7.91	- 4.36	- 0.80	2.77	6.33	9.89	11.70
Incremental Requirements			14.43	0.02	8.12	3.54	3.56	3.57	3.57	3.56	1.81
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		- 30.43	- 16.00	- 16.03	- 7.91	- 4.36	- 0.80	2.77	6.33	9.89	11.70
% - Uncontracted Requirements after CSP vs Peak Demand		-59.71%	-29.42%	-27.69%	-12.88%	-6.72%	-1.17%	3.84%	8.37%	12.49%	14.44%

Figure 147. Supply-Demand Profile of MOELCI I



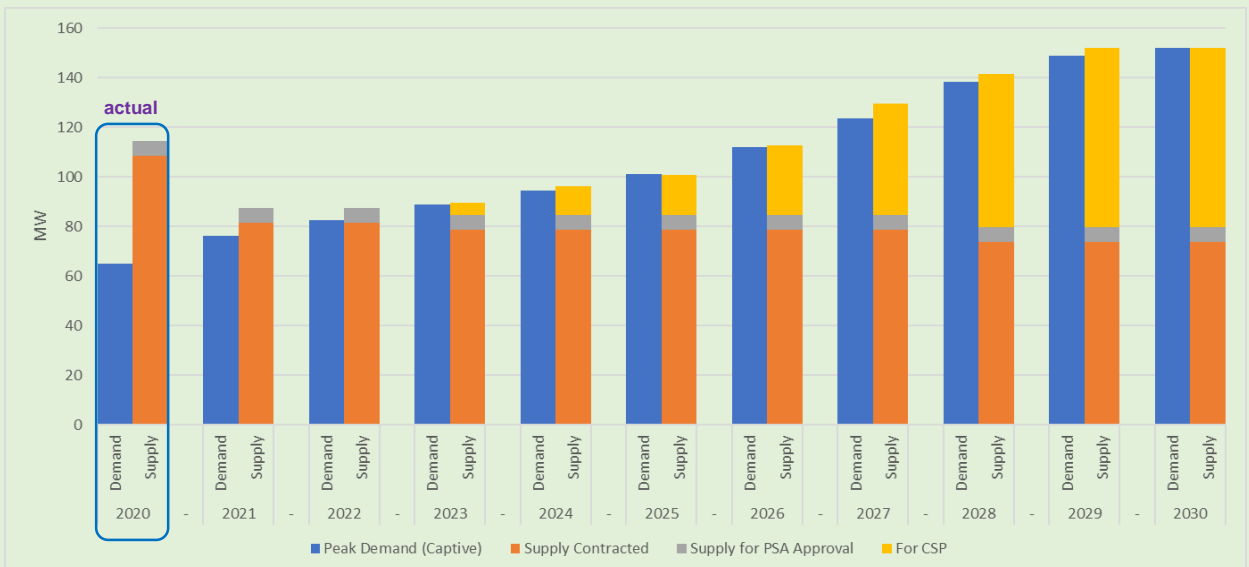
MOELCI I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	12.26	13.96	16.16	17.20	18.26	19.05	19.85	20.67	21.50	22.35	23.22
Supply Contracted	17.64	17.26	18.02	18.84	13.59	9.83	9.83	9.83	9.83	9.83	9.83
Supply for PSA Approval	1.00	1.00									
Uncontracted Requirements		- 4.29	- 1.87	- 1.63	4.67	9.22	10.02	10.84	11.67	12.52	13.39
Incremental Requirements			2.43	0.23	6.31	4.55	0.80	0.82	0.83	0.85	0.86
For CSP		-	-	-	7.00	7.00	10.00	11.00	11.00	12.00	12.00
CSP Schedule											
Intermediate (2024-2034)					3.00	3.00	3.00	3.00	3.00	3.00	3.00
Baseload (2026-2041)							3.00	4.00	4.00	5.00	5.00
Peaking (2024-2034)					4.00	4.00	4.00	4.00	4.00	4.00	4.00
Uncontracted Requirements after CSP		- 4.29	- 1.87	- 1.63	4.00	4.00	4.00	4.00	4.00	4.00	4.00
% - Uncontracted Requirements after CSP vs Peak Demand		-30.76%	-11.55%	-9.50%	21.90%	21.00%	20.15%	19.35%	18.60%	17.90%	17.23%

Figure 148. Supply-Demand Profile of MOELCI II



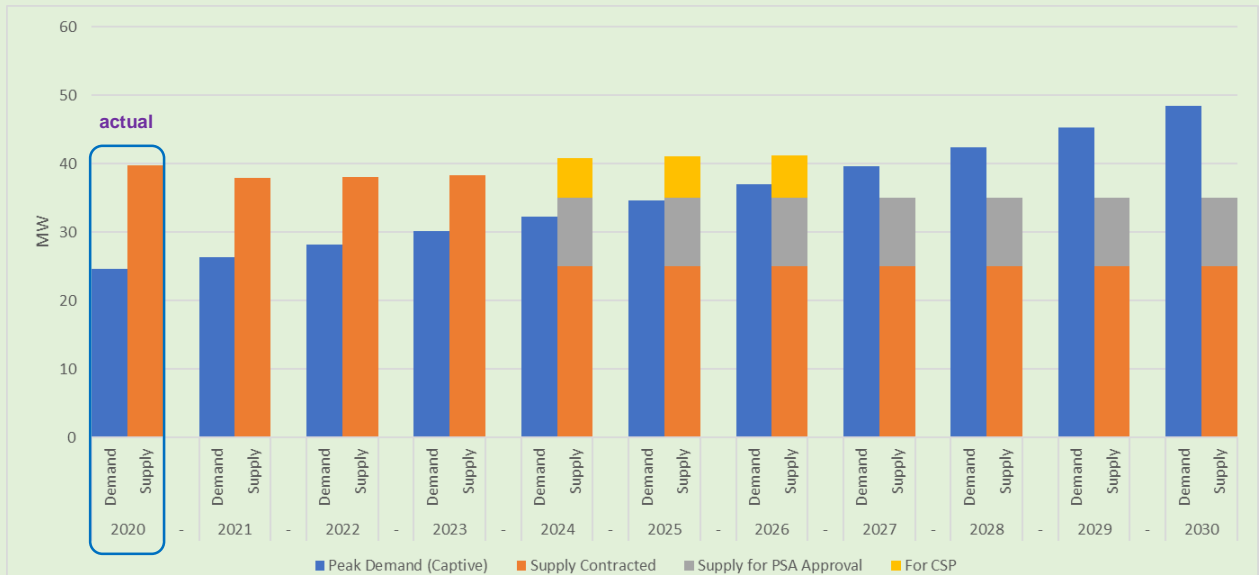
MOELCI II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	27.99	28.74	29.67	30.61	31.54	32.48	33.42	34.35	35.29	36.22	37.16
Supply Contracted	36.00	29.00	30.00	31.00	30.00	25.00	25.00	25.00	25.00	25.00	25.00
Supply for PSA Approval											
Uncontracted Requirements		- 0.27	- 0.33	- 0.39	1.54	7.48	8.42	9.35	10.29	11.22	12.16
Incremental Requirements			- 0.06	- 0.06	1.94	5.94	0.94	0.94	0.94	0.94	0.94
For CSP					7.15	7.90	9.12	10.01	11.38	12.53	9.37
CSP Schedule											
Intermediate (2023-2029)					1.70	2.00	2.60	3.00	3.70	4.00	
Peaking (2024-2030)					5.45	5.90	6.52	7.01	7.68	8.53	9.37
Uncontracted Requirements after CSP		- 0.27	- 0.33	- 0.39	4.00	4.00	4.00	4.00	4.00	4.00	4.00
% - Uncontracted Requirements after CSP vs Peak Demand		-0.92%	-1.11%	-1.28%	12.68%	12.32%	11.97%	11.64%	11.34%	11.04%	10.76%

Figure 149. Supply-Demand Profile of MORESCO I



MORESCO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	65.06	76.21	82.51	88.89	94.55	100.91	112.12	123.41	138.33	148.77	151.85
Supply Contracted	108.32	81.55	81.55	78.55	78.55	78.55	78.55	78.55	73.55	73.55	73.55
Supply for PSA Approval	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Uncontracted Requirements		- 11.34	- 5.04	4.34	10.00	16.36	27.57	38.86	58.78	69.22	72.30
Incremental Requirements			6.30	9.38	5.66	6.36	11.21	11.29	19.92	10.44	3.08
For CSP		-	-	5.00	11.50	16.00	28.00	45.00	62.00	72.50	72.50
CSP Schedule											
Baseload 1 (2024-2039)					6.50	6.50	6.50	6.50	6.50	6.50	6.50
Baseload 2 (2025-2040)						9.50	9.50	9.50	9.50	9.50	9.50
Baseload 3 (2026-2041)							12.00	12.00	12.00	12.00	12.00
Baseload 4 (2027-2042)								12.00	12.00	12.00	12.00
Intermediate (2027-2042)								5.00	5.00	5.00	5.00
Baseload 5 (2028-2048)									17.00	17.00	17.00
Baseload 6 (2029-2049)										10.50	10.50
Renewal of CSEE with PSALM Corp. (2023-2024)				5.00	5.00						
Uncontracted Requirements after CSP		- 11.34	- 5.04	- 0.66							
% - Uncontracted Requirements after CSP vs Peak Demand		-14.89%	-6.11%	-0.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Figure 150. Supply-Demand Profile of MORESCO II

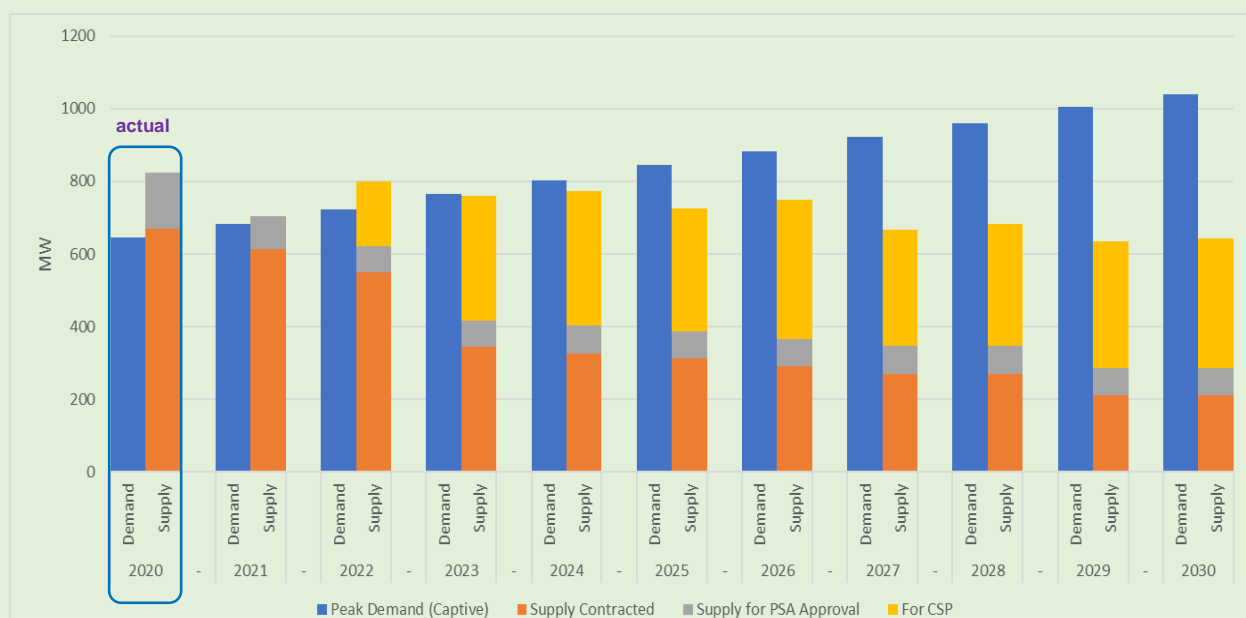


MORESCO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	24.65	26.37	28.22	30.20	32.31	34.57	36.99	39.58	42.35	45.32	48.49
Supply Contracted	39.71	37.89	38.07	38.27	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Supply for PSA Approval					10.00	10.00	10.00	10.00	10.00	10.00	10.00
Uncontracted Requirements		- 11.51	- 9.85	- 8.08	- 2.69	- 0.43	1.99	4.58	7.35	10.32	13.49
Incremental Requirements			1.67	1.77	5.39	2.26	2.42	2.59	2.77	2.96	3.17
For CSP		-	-	-	5.78	6.00	6.22	-	-	-	-
CSP Schedule											
Baseload 1 (2024 - 2026)					5.78	6.00	6.22				
Uncontracted Requirements after CSP		- 11.51	- 9.85	- 8.08							
% - Uncontracted Requirements after CSP vs Peak Demand		-43.65%	-34.89%	-26.74%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

➤ REGION XI (DAVAO REGION)

The non-coincident peak demand of Region XI DUs reached 644.55 MW in 2020. This was expected to increase from 681.35 MW in 2021 to 1,038.75 MW in 2030 with an AAGR of 4.66% for the ten-year planning period. Davao Region will have a supply deficit of 101.96 MW starting 2022, which is expected to grow annually.

Figure 151. Supply-Demand Profile of Region XI DUs

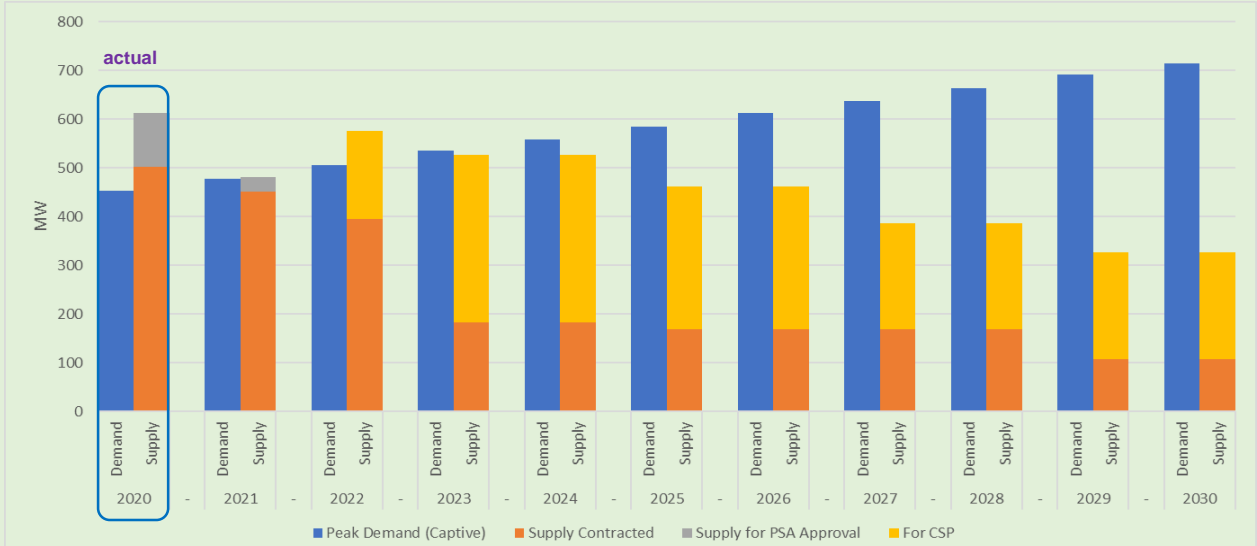


REGION 11	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	644.55	681.35	722.20	765.52	803.19	844.43	882.49	921.24	959.23	1,004.23	1,038.75
Supply Contracted	668.69	612.22	549.24	345.49	326.22	311.57	290.40	270.40	270.40	210.40	210.40
Supply for PSA Approval	155.00	91.00	71.00	71.00	76.00	76.00	76.00	76.00	76.00	76.00	76.00
Uncontracted Requirements		- 21.87	101.96	349.03	400.97	456.87	516.09	574.84	612.83	717.83	752.35
Incremental Requirements			123.83	247.07	51.95	55.90	59.22	58.75	37.99	105.00	34.52
For CSP			180.00	344.00	371.60	338.48	383.65	320.15	336.05	349.13	355.72
CSP Schedule			180.00	344.00	371.60	338.48	383.65	320.15	336.05	349.13	355.72
Uncontracted Requirements after CSP		- 21.87	- 78.04	5.03	29.37	118.39	132.44	254.69	276.78	368.70	396.63
% - Uncontracted Requirements after CSP vs Peak Demand		-3.21%	-10.81%	0.66%	3.66%	14.02%	15.01%	27.65%	28.85%	36.72%	38.18%

For the planning period, the DUs in Region XI will have a schedule for CSP ranging from 180.0 MW to 355.72 MW mostly attributed to the requirements of DLPC and DANECO.

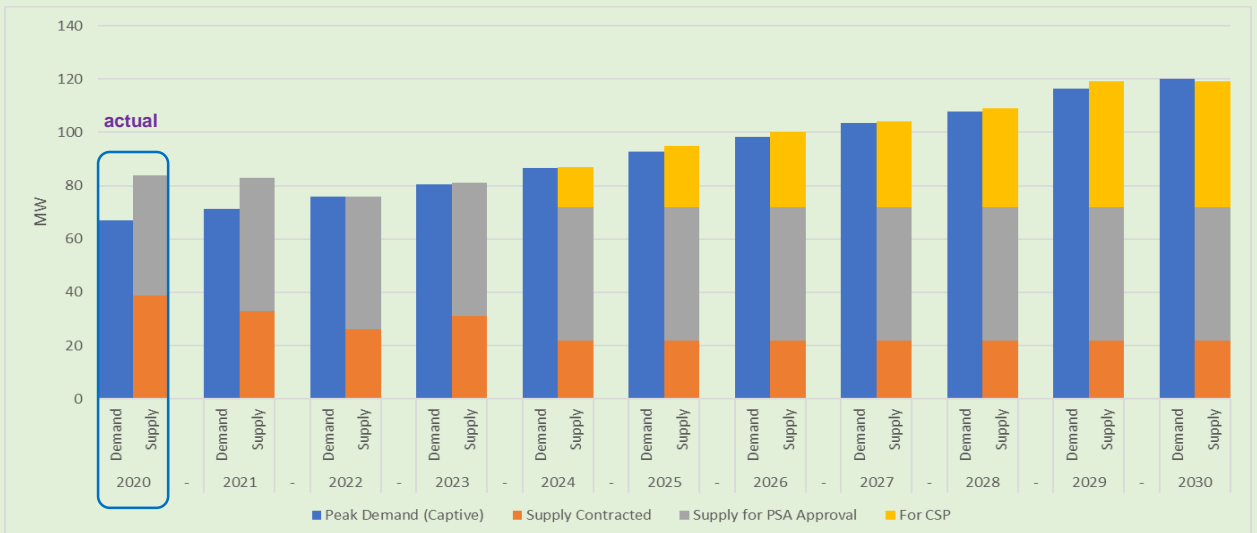
The uncontracted requirements of Davao Region will be reduced to 0.66% in 2023 up to 38.18% in 2030 of the total requirements with the proposed CSP of the Region XI DUs.

Figure 152. Supply-Demand Profile of DLPC



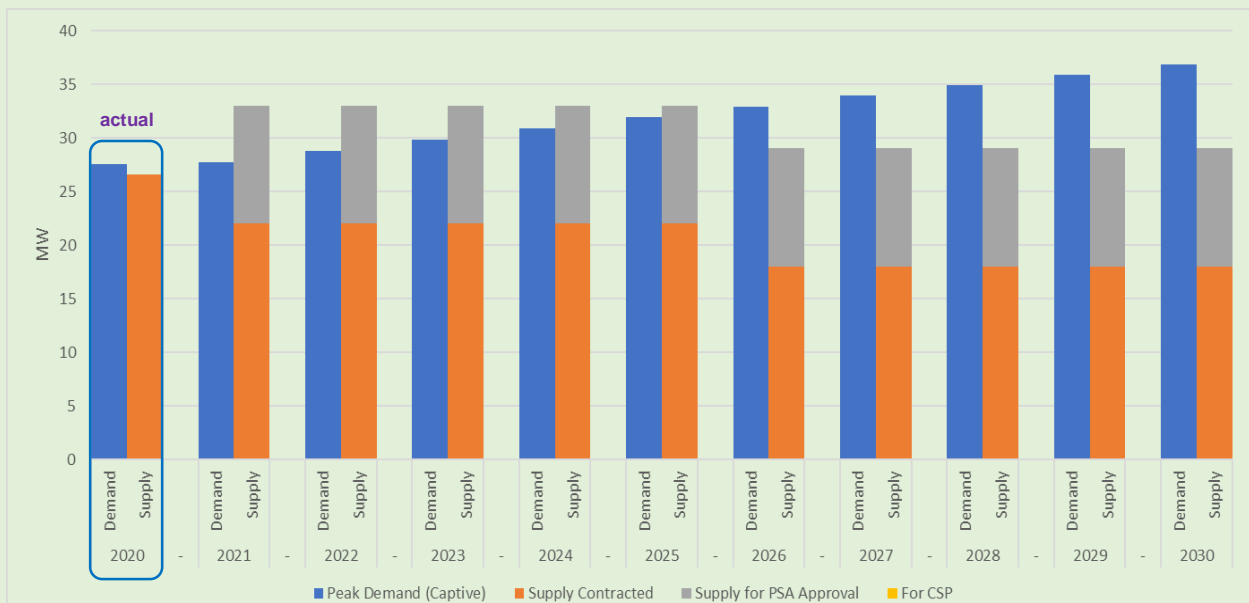
DLPC	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	452.00	477.82	505.90	535.84	558.26	583.65	612.37	637.72	663.23	691.42	714.43
Supply Contracted	502.30	450.44	395.44	182.80	182.80	168.00	168.00	168.00	168.00	108.00	108.00
Supply for PSA Approval	110.00	30.00									
Uncontracted Requirements		- 2.62	110.47	353.04	375.46	415.65	444.37	469.72	495.23	583.42	606.43
Incremental Requirements			113.09	242.58	22.42	40.19	28.72	25.34	25.52	88.18	23.01
For CSP		-	180.00	344.00	343.60	294.00	294.00	218.64	219.00	218.64	218.64
CSP Schedule											
Renewal of CSEE with PSALM Corp.				164.00	163.60	164.00	164.00	163.64	164.00	163.64	163.64
Intermediate (for RPS compliance) (2022-2032)			55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00
Intermediate (2022-2026)			75.00	75.00	75.00	75.00	75.00				
Peaking (2022-2024)			50.00	50.00	50.00						
Uncontracted Requirements after CSP		- 2.62	69.53	9.04	31.86	121.65	150.37	251.08	276.23	364.78	387.79
% - Uncontracted Requirements after CSP vs Peak Demand		-0.55%	-13.74%	1.69%	5.71%	20.84%	24.56%	39.37%	41.65%	52.76%	54.28%

Figure 153. Supply-Demand Profile of DASURECO



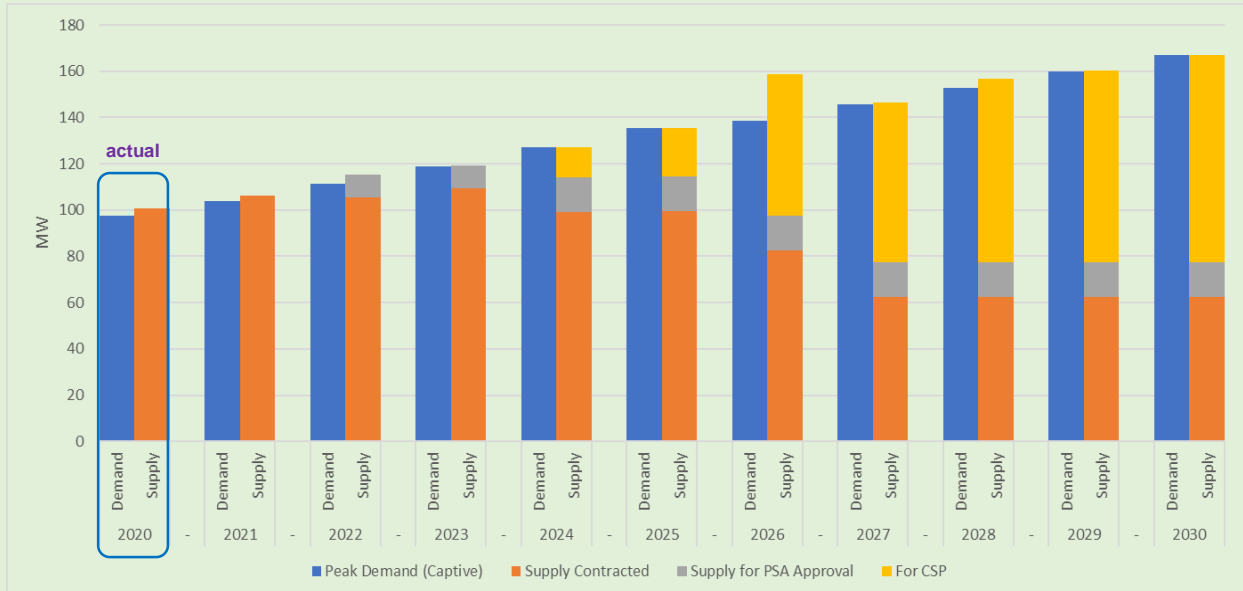
DASURECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	67.08	71.40	75.91	80.58	86.65	92.85	98.16	103.44	107.77	116.45	119.95
Supply Contracted	38.72	33.00	26.00	31.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
Supply for PSA Approval	45.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
Uncontracted Requirements		- 11.60	- 0.09	- 0.42	14.65	20.85	26.16	31.44	35.77	44.45	47.95
Incremental Requirements			11.51	- 0.33	15.07	6.20	5.32	5.28	4.32	8.69	3.49
For CSP		-	-	-	15.00	23.00	28.00	32.00	37.00	47.00	47.00
CSP Schedule											
Intermediate (2023-2025)					5.00	8.00	8.00	12.00	12.00	12.00	12.00
Baseload (2023-2043)					10.00	15.00	15.00	15.00	20.00	30.00	30.00
Peaking (2026-2029)							5.00	5.00	5.00	5.00	5.00
Uncontracted Requirements after CSP		- 11.60	- 0.09	- 0.42	- 0.35	- 2.15	- 1.84	- 0.56	- 1.23	- 2.55	0.95
% - Uncontracted Requirements after CSP vs Peak Demand		-16.25%	-0.11%	-0.52%	-0.40%	-2.32%	-1.87%	-0.54%	-1.15%	-2.19%	0.79%

Figure 154. Supply-Demand Profile of DORECO



DORECO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	27.58	27.75	28.79	29.83	30.86	31.89	32.90	33.91	34.90	35.89	36.86
Supply Contracted	26.62	22.00	22.00	22.00	22.00	22.00	18.00	18.00	18.00	18.00	18.00
Supply for PSA Approval	-	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Uncontracted Requirements		- 5.25	- 4.21	- 3.17	- 2.14	- 1.11	3.90	4.91	5.90	6.89	7.86
Incremental Requirements			1.04	1.04	1.03	1.03	5.01	1.01	0.99	0.99	0.97
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		- 5.25	- 4.21	- 3.17	- 2.14	- 1.11	3.90	4.91	5.90	6.89	7.86
% - Uncontracted Requirements after CSP vs Peak Demand		-18.92%	-14.62%	-10.63%	-6.93%	-3.48%	11.85%	14.48%	16.91%	19.20%	21.32%

Figure 155. Supply-Demand Profile of NORDECO - Grid



DANECO-GRID	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	97.53	104.01	111.19	118.84	126.97	135.57	138.54	145.63	152.75	159.85	166.87
Supply Contracted	100.67	106.41	105.40	109.27	98.97	99.57	82.40	62.40	62.40	62.40	62.40
Supply for PSA Approval	-	-	10.00	10.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Uncontracted Requirements	-	2.40	4.21	0.43	13.00	21.00	41.14	68.23	75.35	82.45	89.47
Incremental Requirements	-	-	1.81	3.78	13.43	8.00	20.14	27.09	7.13	7.10	7.01
For CSP	-	-	-	-	13.00	21.00	61.14	68.96	79.47	82.87	89.47
CSP Schedule											
Peaking (2023 - 2033)	-	-	-	-	13.00	13.00	8.14	11.96	12.47	11.87	13.00
Baseload 1 (2025 - 2035)	-	-	-	-	-	8.00	8.00	8.00	8.00	8.00	8.00
Intermediate 1 (2025 - 2040)	-	-	-	-	-	-	20.00	20.00	20.00	20.00	20.47
Baseload 2 (2026 - 2041)	-	-	-	-	-	-	20.00	20.00	20.00	20.00	20.00
Intermediate 2 (2028 - 2043)	-	-	-	-	-	-	-	-	10.00	10.00	10.00
Baseload 3 (2026 - 2036)	-	-	-	-	-	-	5.00	5.00	5.00	5.00	5.00
Intermediate 3 (2027 - 2037)	-	-	-	-	-	-	-	4.00	4.00	4.00	4.00
Intermediate 4 (2029 - 2039)	-	-	-	-	-	-	-	-	-	4.00	4.00
Baseload 4 (2030 - 2040)	-	-	-	-	-	-	-	-	-	-	5.00
Uncontracted Requirements after CSP	-	2.40	4.21	0.43	-	-	20.00	0.74	4.12	0.42	-
% - Uncontracted Requirements after CSP vs Peak Demand	-	-2.30%	-3.79%	-0.36%	0.00%	0.00%	-14.44%	-0.51%	-2.70%	-0.26%	0.00%

Figure 156. Supply-Demand Profile of NORDECO – Talicud Island

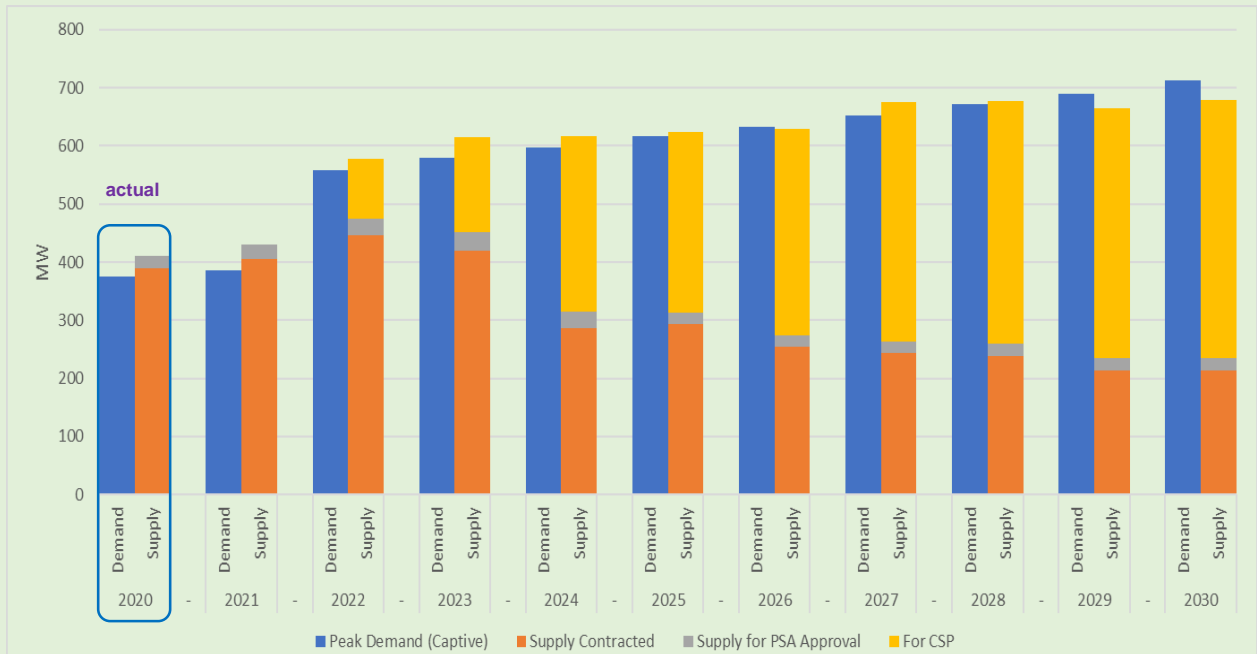


DANECO - TALICUD ISLAND	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	0.35	0.37	0.40	0.42	0.45	0.48	0.51	0.55	0.58	0.62	0.66
Supply Contracted	0.38	0.37	0.40	0.42	0.45						
Supply for PSA Approval											
Uncontracted Requirements		-	-	-	-	0.48	0.51	0.55	0.58	0.62	0.66
Incremental Requirements			-	-	-	0.48	0.03	0.03	0.03	0.04	0.04
For CSP		-	-	-	-	0.48	0.51	0.55	0.58	0.62	0.62
CSP Schedule											
Baseload (2024-2034)						0.48	0.51	0.55	0.58	0.62	0.62
Uncontracted Requirements after CSP		-	-	-	-	-	-	-	-	-	0.04
% - Uncontracted Requirements after CSP vs Peak Demand		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	5.95%

➤ **REGION XII (SOCCSKSARGEN)**

A 375.26 MW non-coincident peak demand was registered by Region XII DUs in 2020. This was forecasted to rise from 385.69 MW in 2021 to 713.03 MW in 2030 with an AAGR of 5.77% for the ten-year planning period. Region XII will have a supply deficit of 83.29 MW in 2022, which is expected to grow annually.

Figure 157. Supply-Demand Profile of Region XII DUs

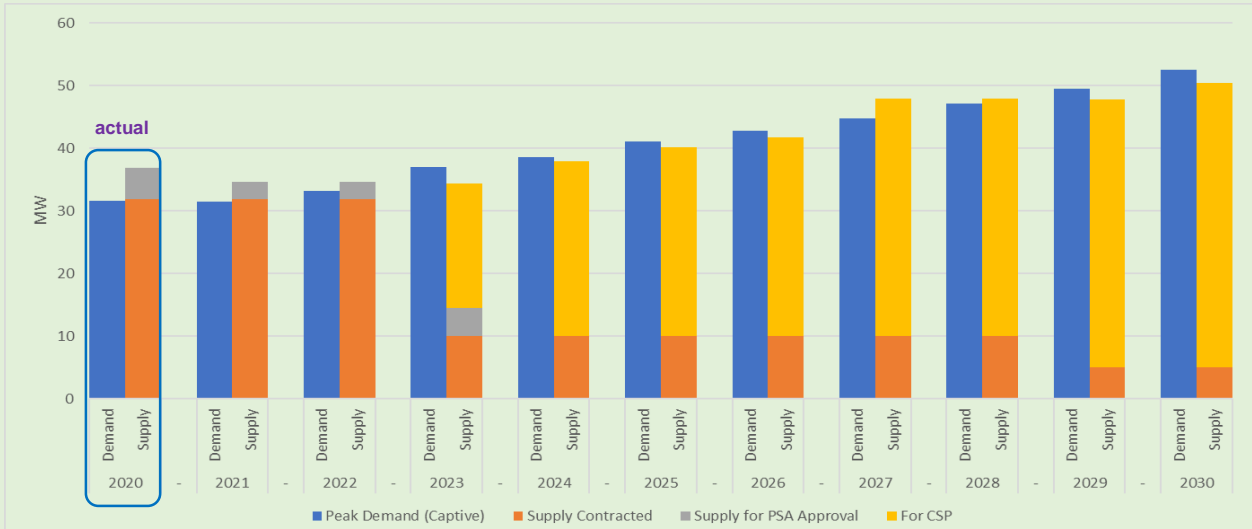


REGION 12	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	375.26	385.69	558.24	578.68	596.66	616.03	632.92	652.33	671.64	690.16	713.03
Supply Contracted	388.71	406.01	446.21	419.99	287.07	292.55	253.49	243.49	238.49	213.99	213.99
Supply for PSA Approval	21.97	23.77	28.74	31.13	28.16	20.57	20.57	20.57	20.57	20.57	20.57
Uncontracted Requirements		44.09	83.29	127.55	281.43	302.91	358.86	388.27	412.57	455.60	478.47
Incremental Requirements			127.38	44.26	153.88	21.48	55.95	29.41	24.30	43.03	22.87
For CSP			103.00	163.13	301.40	310.17	354.41	411.08	418.12	430.23	443.43
CSP Schedule			103.00	163.13	301.40	310.17	354.41	411.08	418.12	430.23	443.43
Uncontracted Requirements after CSP		44.09	19.71	35.57	19.97	7.26	4.45	22.81	5.54	25.37	35.04
% - Uncontracted Requirements after CSP vs Peak Demand		-11.43%	-3.53%	-6.15%	-3.35%	-1.18%	0.70%	-3.50%	-0.83%	3.68%	4.91%

For the planning period, the DUs in Region XII have a schedule for CSP ranging from 103.0 MW to 443.43 MW. SOCOTECO II will have the majority of requirements for CSP followed by SUKELCO, CLPC and COTELCO-PPALMA.

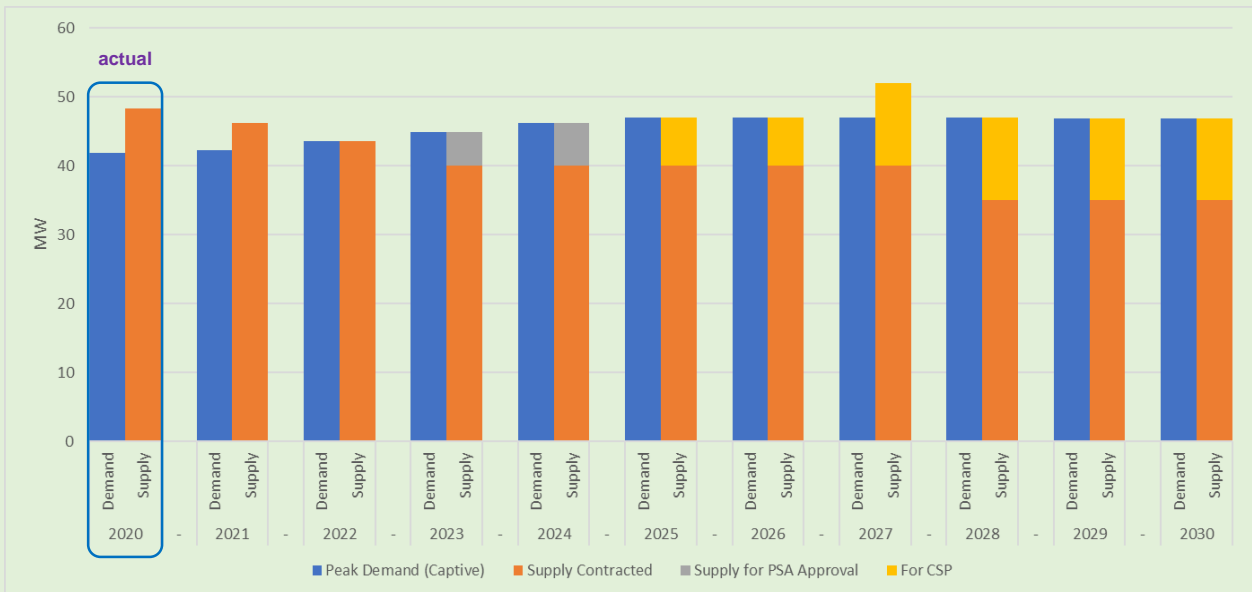
With the proposed CSP of Region XII DUs, Soccsksargen will have enough capacity until 2028, and will require a 3.68% - 4.91% of the region's total power supply requirements by 2029-2030.

Figure 158. Supply-Demand Profile of CLPC



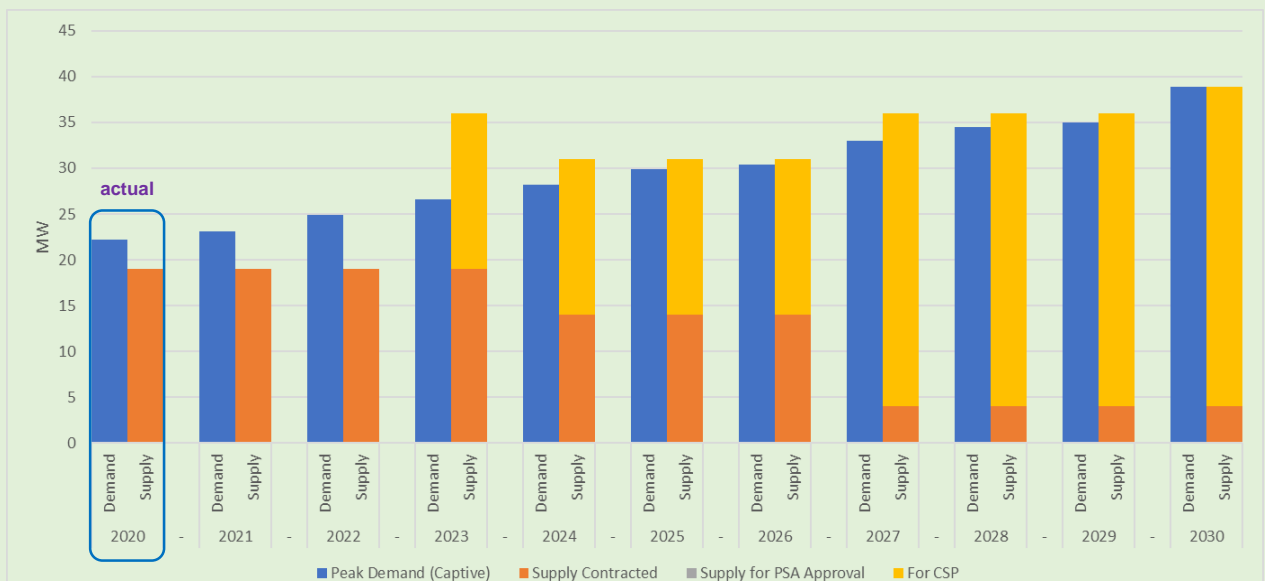
CLPC	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	31.55	31.41	33.14	37.01	38.51	41.11	42.83	44.71	47.09	49.53	52.46
Supply Contracted	31.90	31.90	31.90	10.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Supply for PSA Approval	5.00	2.70	2.70	4.43							
Uncontracted Requirements		- 3.19	- 1.46	22.58	28.51	31.11	32.83	34.71	37.09	44.53	47.46
Incremental Requirements			1.73	24.04	5.93	2.60	1.72	1.88	2.37	7.45	2.93
For CSP		-	-	19.90	27.85	30.18	31.74	37.88	37.88	42.77	45.41
CSP Schedule											
Renewal of CSEE with PSALM Corp. (2022 - 2030)				19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90
Intermediate (2023 - 2028)					5.00	5.00	5.00	5.00	5.00	5.00	5.00
Peaking					2.95	5.28	6.84	12.98	12.98	17.87	20.50
Uncontracted Requirements after CSP		- 3.19	- 1.46	2.68	0.66	0.92	1.09	- 3.17	- 0.80	1.76	2.06
% - Uncontracted Requirements after CSP vs Peak Demand		-10.16%	-4.40%	7.24%	1.72%	2.24%	2.55%	-7.09%	-1.69%	3.56%	3.92%

Figure 159. Supply-Demand Profile of COTELCO



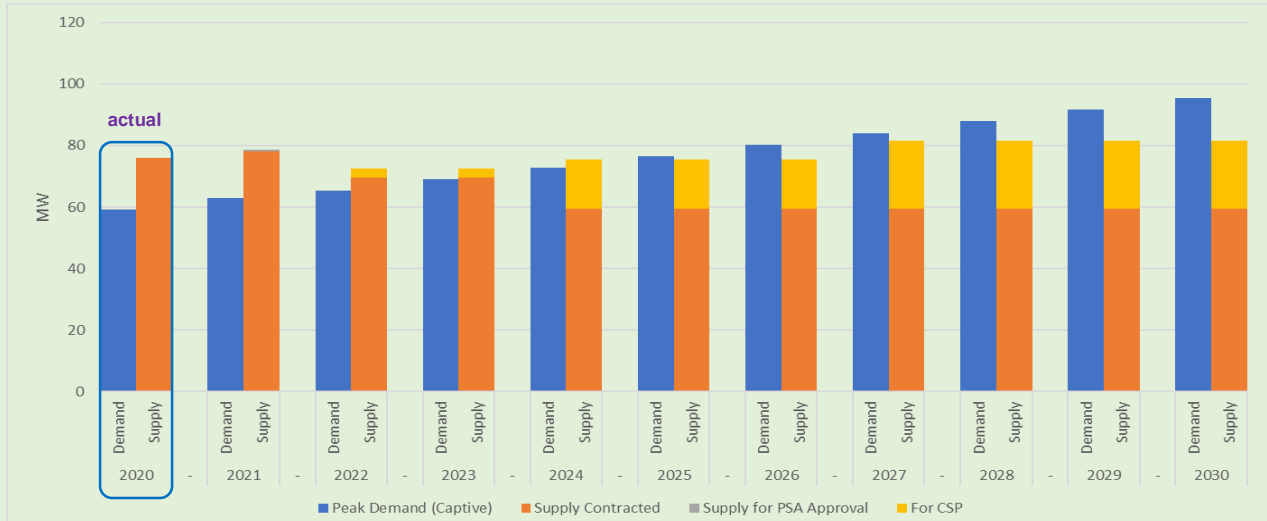
COTELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	41.88	42.29	43.56	44.87	46.21	46.98	47.00	46.91	46.98	46.89	46.90
Supply Contracted	48.35	46.21	43.56	40.00	40.00	40.00	40.00	40.00	35.00	35.00	35.00
Supply for PSA Approval				4.87	6.21						
Uncontracted Requirements		- 3.92	-	-	-	6.98	7.00	6.91	11.98	11.89	11.90
Incremental Requirements			3.92	-	-	6.98	0.02	- 0.09	5.07	- 0.09	0.01
For CSP		-	-	-	-	6.98	7.00	11.91	11.98	11.89	11.90
CSP Schedule											
Peaking 1 (2025 - 2042)						6.98	7.00	6.91	6.98	6.89	6.90
Peaking 2 (2027 - 2040)								5.00	5.00	5.00	5.00
Uncontracted Requirements after CSP		- 3.92	-	-	-	-	-	5.00	-	-	-
% - Uncontracted Requirements after CSP vs Peak Demand		-9.27%	0.00%	0.00%	0.00%	0.00%	0.00%	-10.66%	0.00%	0.00%	0.00%

Figure 160. Supply-Demand Profile of COTELCO-PPALMA



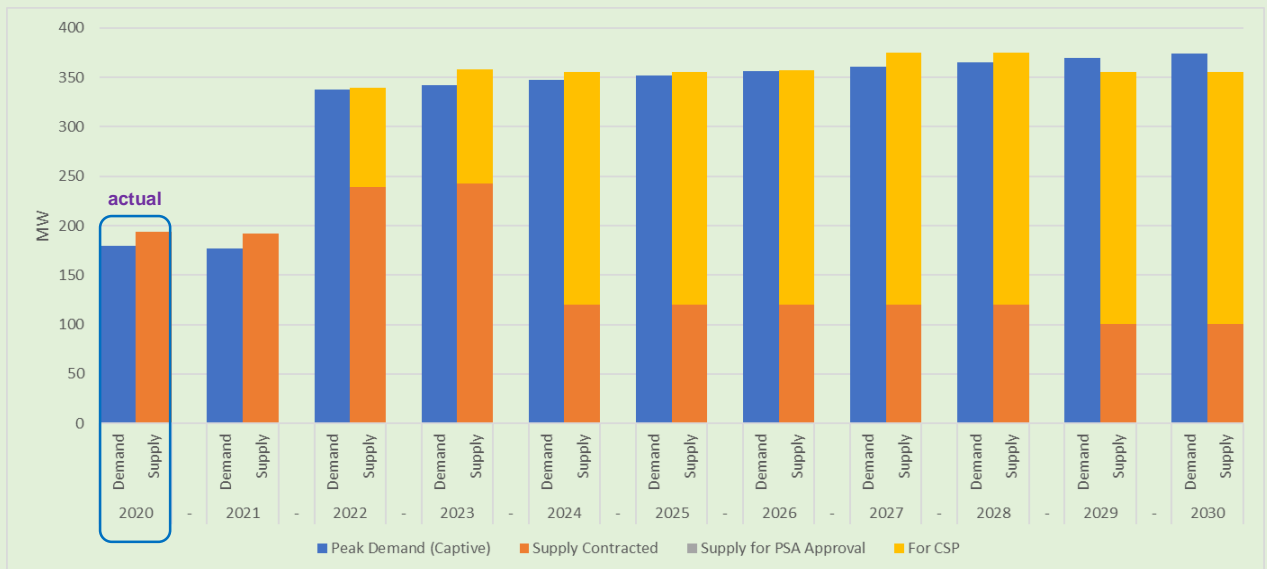
COTELCO-PPALMA	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	22.21	23.12	24.85	26.55	28.21	29.84	30.36	32.99	34.52	35.00	38.90
Supply Contracted	19.00	19.00	19.00	19.00	14.00	14.00	14.00	4.00	4.00	4.00	4.00
Supply for PSA Approval											
Uncontracted Requirements		4.12	5.85	7.55	14.21	15.84	16.36	28.99	30.52	31.00	34.90
Incremental Requirements			1.73	1.70	6.67	1.63	0.52	12.63	1.52	0.48	3.90
For CSP		-	-	17.00	17.00	17.00	17.00	32.00	32.00	32.00	34.90
CSP Schedule											
Peaking 1 (2023 - 2046)				10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Peaking 2 (2023 - 2042)				2.00	2.00	2.00	2.00	2.00	2.00	2.00	4.90
CSEE renewal with PSALM Corp. (2023 - 2025)				5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Baseload (2026 - 2051)								15.00	15.00	15.00	15.00
Uncontracted Requirements after CSP		4.12	5.85	9.45	2.79	1.16	0.64	3.01	1.49	1.00	-
% - Uncontracted Requirements after CSP vs Peak Demand		17.83%	23.54%	-35.60%	-9.88%	-3.88%	-2.10%	-9.11%	-4.30%	-2.86%	0.00%

Figure 161. Supply-Demand Profile of SOCOTECO I



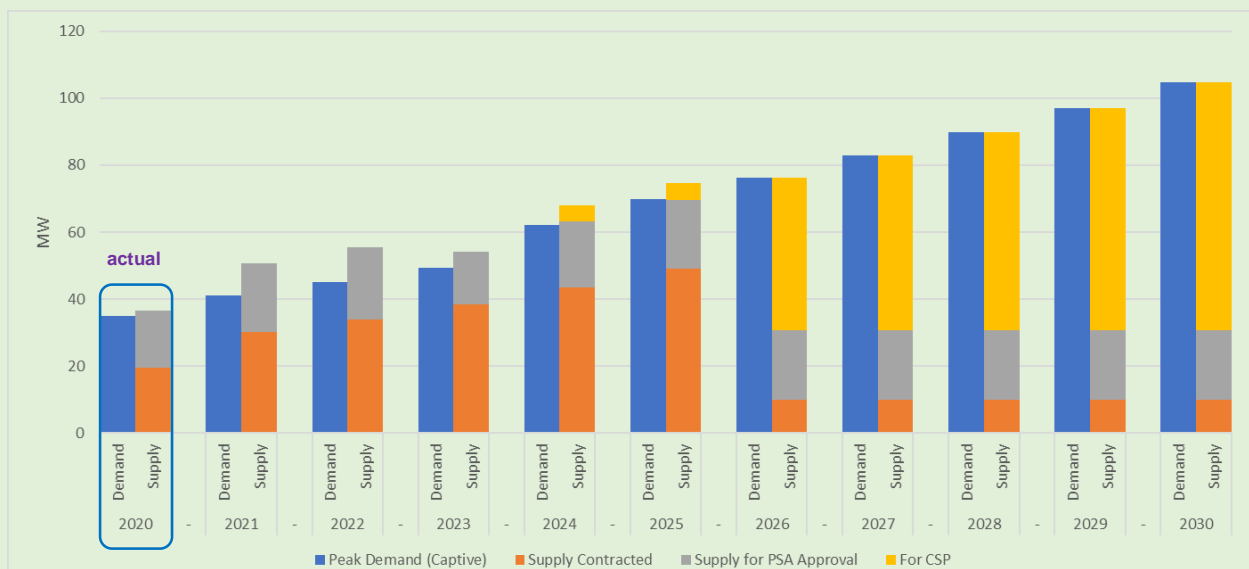
SOCOTECO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	59.10	62.81	65.20	68.96	72.74	76.52	80.31	84.10	87.90	91.70	95.50
Supply Contracted	76.08	77.99	69.49	69.49	59.49	59.49	59.49	59.49	59.49	59.49	59.49
Supply for PSA Approval		0.75									
Uncontracted Requirements		- 15.93	- 4.29	- 0.53	13.25	17.03	20.82	24.61	28.41	32.21	36.01
Incremental Requirements			11.64	3.76	13.77	3.78	3.79	3.79	3.80	3.80	3.80
For CSP		-	3.00	3.00	16.00	16.00	16.00	22.00	22.00	22.00	22.00
CSP Schedule											
Intermediate 1 (2022 - 2047)			3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Intermediate 2 (2024 - 2048)					3.00	3.00	3.00	3.00	3.00	3.00	3.00
Intermediate 3 (2027 - 2051)								6.00	6.00	6.00	6.00
CSEE renewal with PSALM Corp. (2023 - 2030)					10.00	10.00	10.00	10.00	10.00	10.00	10.00
Uncontracted Requirements after CSP		- 15.93	- 7.29	- 3.53	- 2.75	1.03	4.82	2.61	6.41	10.21	14.01
% - Uncontracted Requirements after CSP vs Peak Demand		-25.36%	-11.18%	-5.11%	-3.78%	1.35%	6.00%	3.11%	7.29%	11.13%	14.67%

Figure 162. Supply-Demand Profile of SOCOTECO II



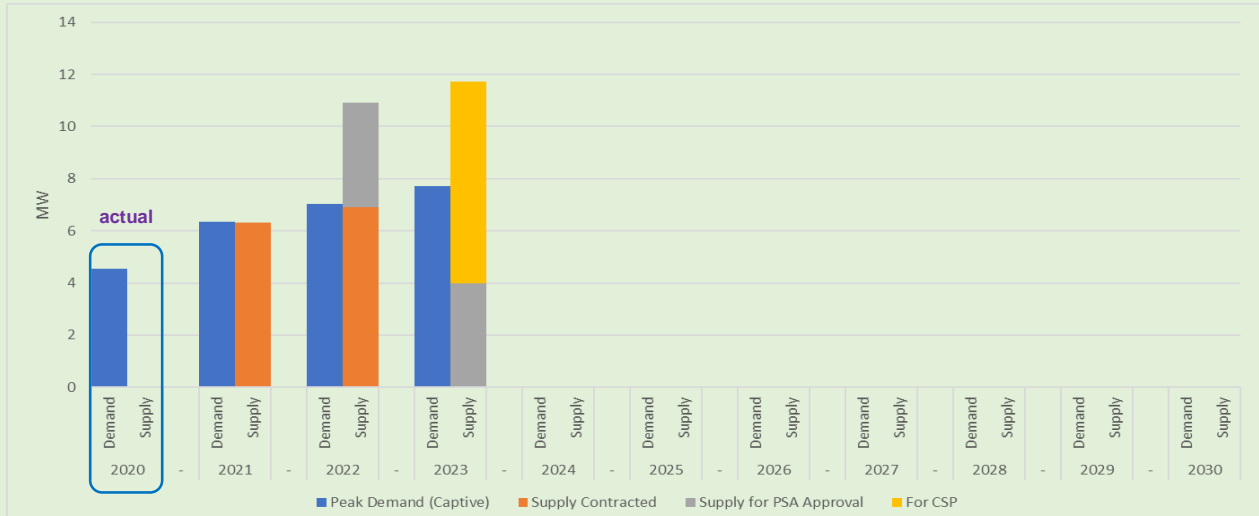
SOCOTECO II	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	179.39	177.31	337.88	342.45	347.03	351.60	356.18	360.75	365.33	369.90	374.48
Supply Contracted	193.90	192.20	239.00	243.00	120.00	120.00	120.00	120.00	120.00	100.50	100.50
Supply for PSA Approval											
Uncontracted Requirements		- 14.89	98.88	99.45	227.03	231.60	236.18	240.75	245.33	269.40	273.98
Incremental Requirements			113.77	0.57	127.57	4.57	4.57	4.57	4.57	24.07	4.57
For CSP		-	100.00	115.00	235.00	235.00	237.00	255.00	255.00	255.00	255.00
CSP Schedule											
Baseload 1 for RPS (2023 - 2038)				15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Baseload 2 (2022 - 2037)			25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Baseload 3 (2022 - 2037)			35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
Baseload 4 (2022 - 2037)			40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
CSEE renewal with PSALM Corp. (2023 - 2025)					60.00	60.00	60.00				
CSEE renewal with PSALM Corp. (2026 - 2029)								80.00	80.00	80.00	80.00
Baseload 5 (2023 - 2038)					60.00	60.00	62.00	60.00	60.00	60.00	60.00
Uncontracted Requirements after CSP		- 14.89	- 1.12	- 15.55	- 7.97	- 3.40	- 0.82	- 14.25	- 9.67	14.40	18.98
% - Uncontracted Requirements after CSP vs Peak Demand		-8.40%	-0.33%	-4.54%	-2.30%	-0.97%	-0.23%	-3.95%	-2.65%	3.89%	5.07%

Figure 163. Supply-Demand Profile of SUKELCO – Grid



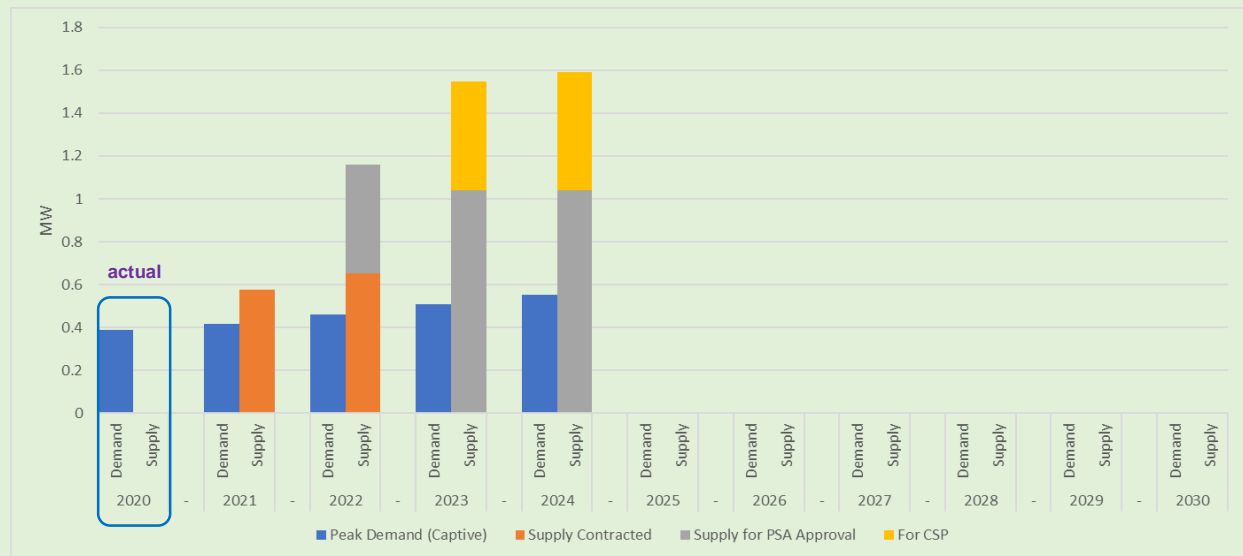
SUKELCO-Grid	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	35.06	40.96	44.97	49.35	62.03	69.97	76.24	82.86	89.83	97.14	104.79
Supply Contracted	19.48	30.28	33.81	38.50	43.58	49.06	10.00	10.00	10.00	10.00	10.00
Supply for PSA Approval	16.97	20.32	21.53	15.53	19.53	20.57	20.57	20.57	20.57	20.57	20.57
Uncontracted Requirements		- 9.64	- 10.38	- 4.69	- 1.08	0.34	45.67	52.29	59.26	66.57	74.22
Incremental Requirements			0.74	5.69	3.61	1.43	45.33	6.62	6.97	7.31	7.65
For CSP		-	-	-	5.00	5.00	45.67	52.29	59.26	66.57	74.22
CSP Schedule											
Peaking (2023 - 2028)					5.00	5.00	5.00	5.00	5.00	5.00	5.00
Baseload (2026 - 2041)								30.00	30.00	30.00	30.00
CSEE renewal with PSALM Corp. (2025 - 2030)							40.67	17.29	24.26	31.57	39.22
Uncontracted Requirements after CSP		- 9.64	- 10.38	- 4.69	- 6.08	- 4.66	-	-	-	-	-
% - Uncontracted Requirements after CSP vs Peak Demand		-23.53%	-23.08%	-9.50%	-9.80%	-6.65%	0.00%	0.00%	0.00%	0.00%	0.00%

Figure 164. Supply-Demand Profile of SUKELCO – Kalamansig and Lebak



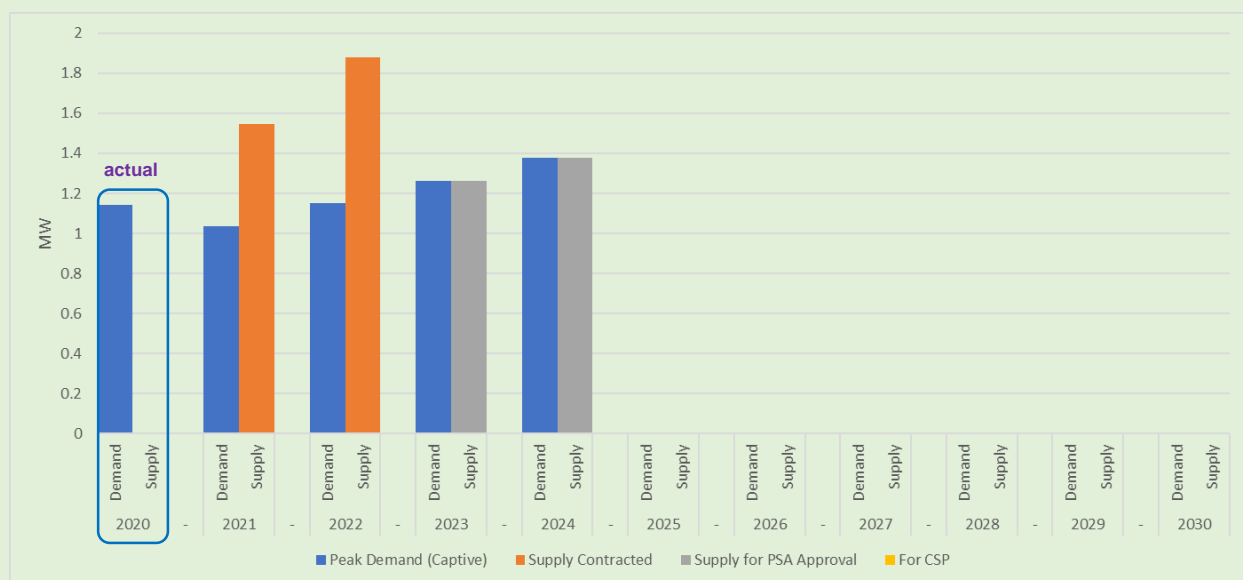
SUKELCO - LEBAK AND KALAMANSIG	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	4.54	6.34	7.03	7.72							
Supply Contracted		6.31	6.91	4.00							
Supply for PSA Approval			4.00	4.00							
Uncontracted Requirements		0.03	3.88	3.72	-	-	-	-	-	-	-
Incremental Requirements			3.91	7.60	3.72	-	-	-	-	-	-
For CSP				7.72	-	-	-	-	-	-	-
CSP Schedule											
PSA renewal with NPC (2023)				7.72							
Uncontracted Requirements after CSP		0.03	3.88	4.00	-	-	-	-	-	-	-
% - Uncontracted Requirements after CSP vs Peak Demand		0.48%	-55.26%	-51.82%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Figure 165. Supply-Demand Profile of SUKELCO - Palimbang



SUKELCO - PALIMBANG	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	0.39	0.42	0.46	0.51	0.55						
Supply Contracted		0.58	0.65								
Supply for PSA Approval			0.51	1.04	1.04						
Uncontracted Requirements		- 0.16	- 0.70	- 0.53	- 0.49	-	-	-	-	-	-
Incremental Requirements			- 0.54	0.16	0.04	0.49	-	-	-	-	-
For CSP		-	-	0.51	0.55	-	-	-	-	-	-
CSP Schedule											
PSA renewal with NPC (2023 - 2024)				0.51	0.55						
Uncontracted Requirements after CSP		- 0.16	- 0.70	- 1.04	- 1.04	-	-	-	-	-	-
% - Uncontracted Requirements after CSP vs Peak Demand		-38.77%	-151.18%	-205.31%	-188.56%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Figure 166. Supply-Demand Profile of SUKELCO – Sen. Ninoy Aquino

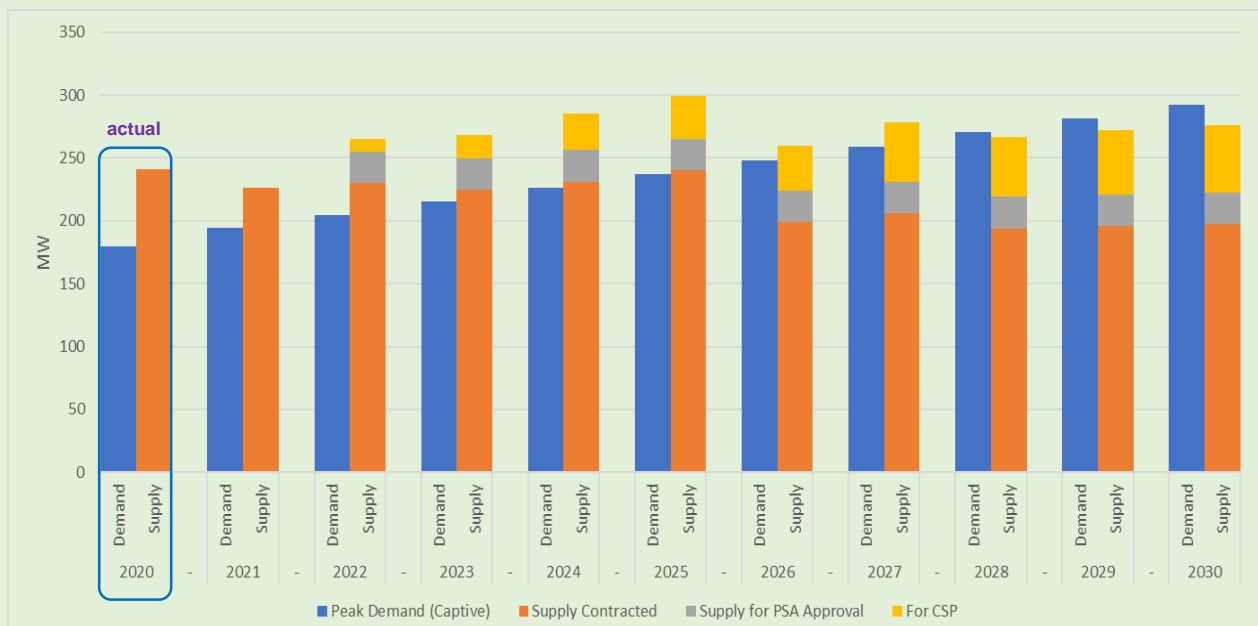


SUKELCO - SEN. NINOY AQUINO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	1.14	1.04	1.15	1.26	1.38						
Supply Contracted		1.55	1.88								
Supply for PSA Approval				1.26	1.38						
Uncontracted Requirements		- 0.51	- 0.73	-	-	-	-	-	-	-	-
Incremental Requirements		-	- 0.22	0.73	-	-	-	-	-	-	-
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		- 0.51	- 0.73	-	-	-	-	-	-	-	-
% - Uncontracted Requirements after CSP vs Peak Demand		-49.03%	-63.46%	0.00%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

➤ REGION XIII (CARAGA)

The non-coincident peak demand of CARAGA DUs reached 179.73 MW in 2020. This was projected to increase from 194.46 MW in 2021 to 292.04 MW in 2030 with an AAGR of 4.73% for the entire planning horizon. CARAGA Region will have a supply deficit of 23.69 MW starting 2026, which is expected to grow annually.

Figure 167. Supply-Demand Profile of Region XIII DUs

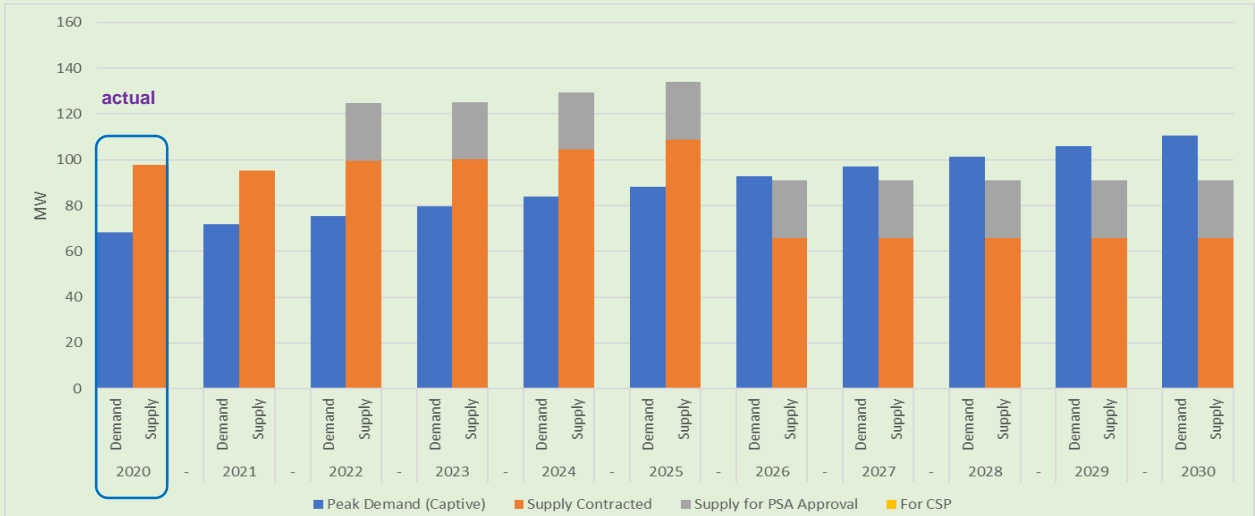


CARAGA	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	179.73	194.46	204.80	215.60	226.28	237.09	248.01	259.05	270.25	281.09	292.04
Supply Contracted	240.77	226.14	230.27	224.82	231.32	239.96	199.32	206.14	194.01	195.98	197.16
Supply for PSA Approval	-	-	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Uncontracted Requirements		- 31.68	- 50.47	- 34.23	- 30.04	- 27.87	23.69	27.91	51.24	60.11	69.89
Incremental Requirements			- 18.79	16.25	4.19	2.17	51.56	4.22	23.33	8.87	9.78
For CSP			9.68	18.68	28.68	33.99	34.99	46.99	47.99	50.99	54.19
CSP Schedule			9.68	18.68	28.68	33.99	34.99	46.99	47.99	50.99	54.19
Uncontracted Requirements after CSP		- 31.68	- 60.15	- 52.91	- 58.72	- 61.86	- 11.30	- 19.08	3.25	9.12	15.70
% - Uncontracted Requirements after CSP vs Peak Demand		-16.29%	-29.37%	-24.54%	-25.95%	-26.09%	-4.56%	-7.37%	1.20%	3.24%	5.37%

The DUs in CARAGA will have a schedule for CSP ranging from 9.68 MW to 54.19 MW for the planning period. Majority of the requirement come from SIARELCO, ASELCO and SURSECO II.

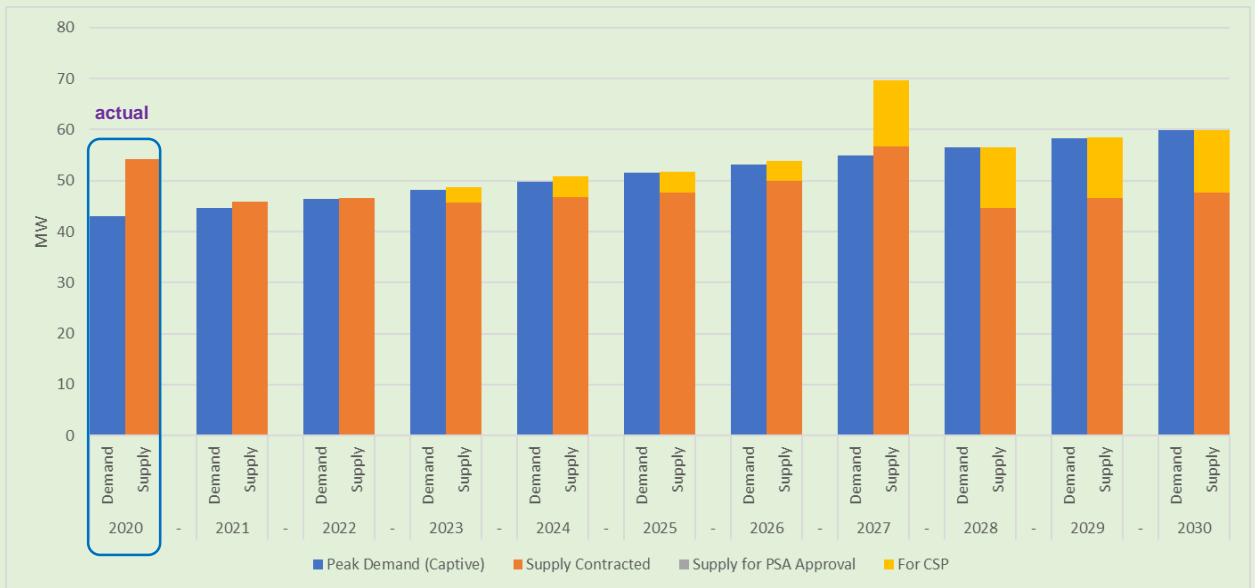
With the proposed CSP, CARAGA Region will have sufficient supply for their power supply requirements until 2027, and will be requiring 1.20% - 5.37% of the total uncontracted requirements of CARAGA Region starting 2028.

Figure 168. Supply-Demand Profile of ANECO



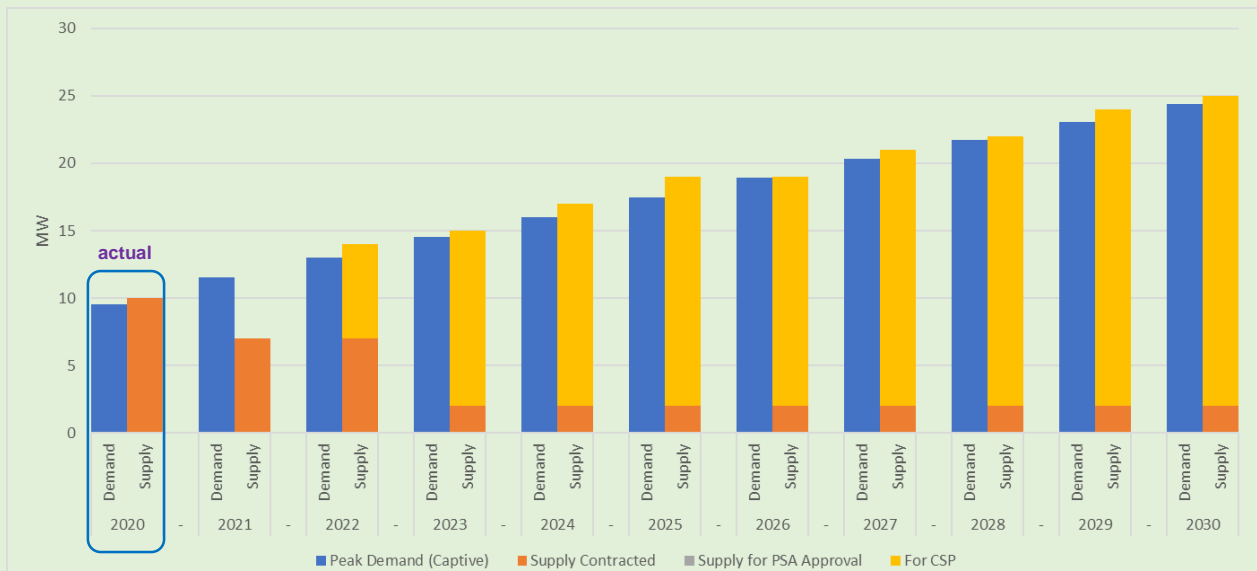
ANECO	Forecast										
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	68.41	71.74	75.55	79.76	84.01	88.30	92.64	97.01	101.43	105.88	110.38
Supply Contracted	97.65	95.24	99.71	100.12	104.45	108.82	65.96	65.96	65.96	65.96	65.96
Supply for PSA Approval			25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Uncontracted Requirements		- 23.50	- 49.16	- 45.36	- 45.44	- 45.51	1.68	6.05	10.47	14.92	19.42
Incremental Requirements			- 25.66	3.80	- 0.08	- 0.07	47.19	4.37	4.41	4.46	4.50
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		- 23.50	- 49.16	- 45.36	- 45.44	- 45.51	1.68	6.05	10.47	14.92	19.42
% - Uncontracted Requirements after CSP vs Peak Demand		-32.75%	-65.07%	-56.86%	-54.09%	-51.54%	1.81%	6.24%	10.32%	14.09%	17.59%

Figure 169. Supply-Demand Profile of ASELCO



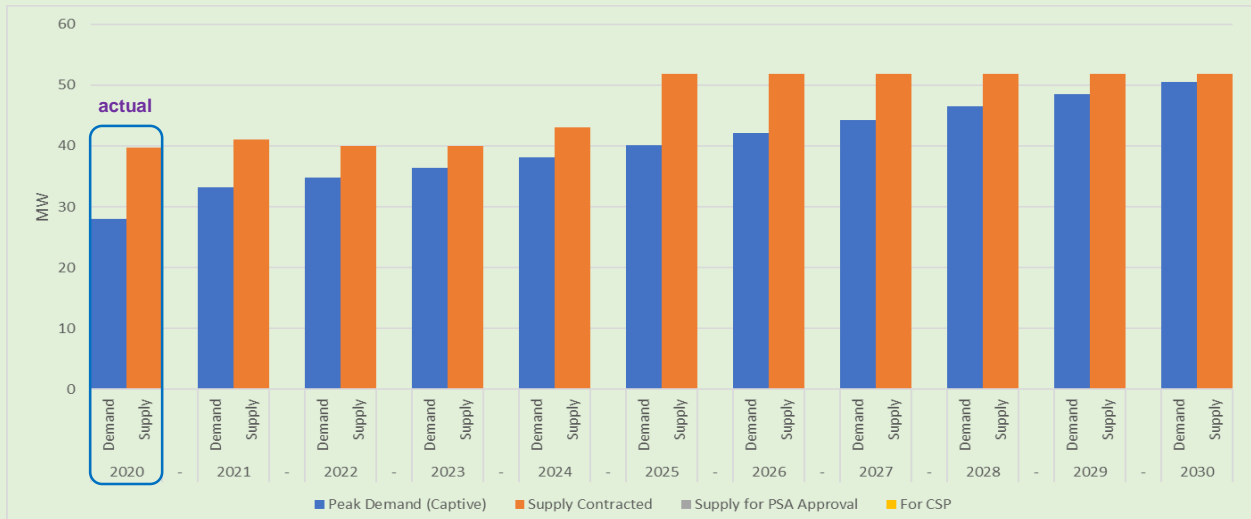
ASELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	43.00	44.68	46.40	48.11	49.80	51.50	53.19	54.87	56.56	58.24	59.92
Supply Contracted	54.29	45.86	46.51	45.65	46.80	47.72	49.92	56.73	44.60	46.54	47.72
Supply for PSA Approval											
Uncontracted Requirements		- 1.17	- 0.11	2.45	3.00	3.78	3.27	- 1.86	11.96	11.70	12.20
Incremental Requirements			1.06	2.57	0.55	0.78	- 0.52	- 5.12	13.81	- 0.26	0.50
For CSP		-	-	3.00	4.00	4.00	4.00	13.00	12.00	12.00	12.20
CSP Schedule											
Intermediate (2023 - 2038)				3.00	4.00	4.00	4.00	5.00	4.00	4.00	4.20
Baseload (2027 - 2037)								8.00	8.00	8.00	8.00
Uncontracted Requirements after CSP		- 1.17	- 0.11	- 0.55	- 1.00	- 0.22	- 0.73	- 14.86	- 0.04	- 0.30	-
% - Uncontracted Requirements after CSP vs Peak Demand		-2.63%	-0.25%	-1.14%	-2.01%	-0.42%	-1.38%	-27.07%	-0.08%	-0.52%	0.00%

Figure 170. Supply-Demand Profile of SIARELCO



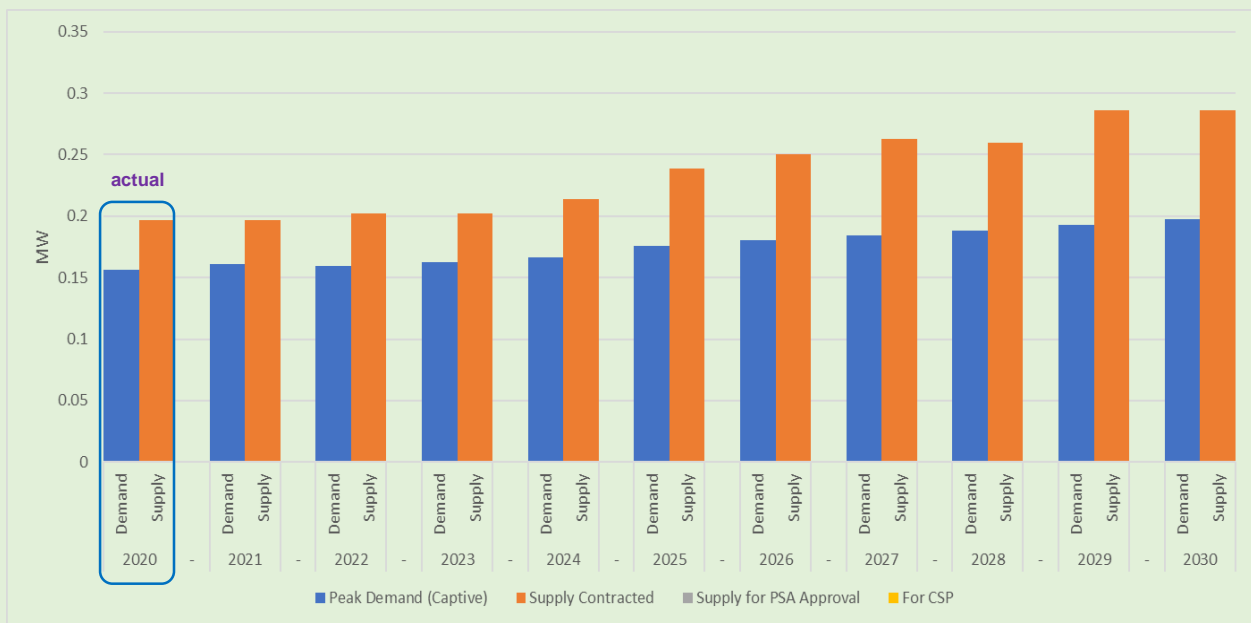
SIARELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	9.54	11.51	13.03	14.53	16.01	17.47	18.91	20.32	21.71	23.07	24.42
Supply Contracted	10.00	7.00	7.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Supply for PSA Approval											
Uncontracted Requirements		4.51	6.03	12.53	14.01	15.47	16.91	18.32	19.71	21.07	22.42
Incremental Requirements			1.52	6.50	1.48	1.46	1.44	1.41	1.39	1.36	1.34
For CSP		-	7.00	13.00	15.00	17.00	17.00	19.00	20.00	22.00	23.00
CSP Schedule											
CSEE renewal with PSALM Corp. (2022 - 2026)			7.00	11.00	13.00	12.00	14.00				
Baseload 1 (HEDCOR-RESA) (2023 - 2025)				2.00	2.00	2.00					
Baseload 2 (2025 - 2040)						3.00	3.00	3.00	3.00	3.00	3.00
CSEE renewal with PSALM Corp. (2027 - 2030)								16.00	17.00	19.00	20.00
Uncontracted Requirements after CSP		4.51	- 0.97	- 0.47	- 0.99	- 1.53	- 0.09	- 0.68	- 0.29	- 0.93	- 0.58
% - Uncontracted Requirements after CSP vs Peak Demand		39.18%	-7.47%	-3.24%	-6.18%	-8.75%	-0.48%	-3.34%	-1.34%	-4.01%	-2.39%

Figure 171. Supply-Demand Profile of SURNECO – Grid



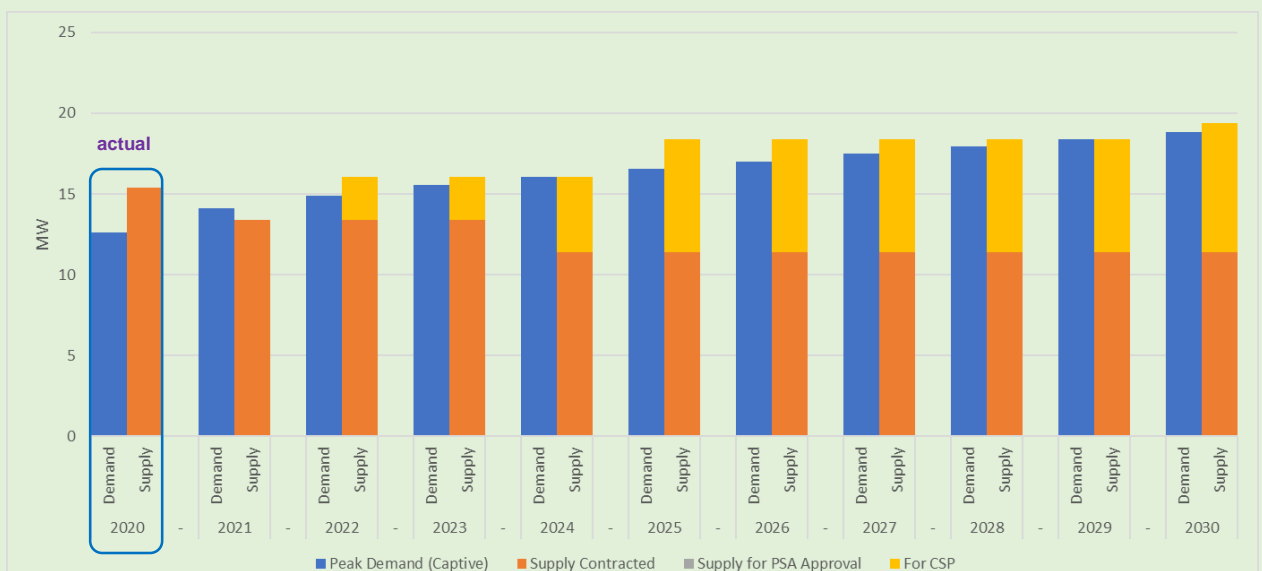
SURNECO - GRID	Forecast											
	Actual 2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Peak Demand (Captive)	27.96	33.23	34.77	36.41	38.17	40.06	42.07	44.23	46.55	48.51	50.57	
Supply Contracted	39.78	41.00	40.00	40.00	43.00	51.80	51.80	51.80	51.80	51.80	51.80	
Supply for PSA Approval												
Uncontracted Requirements		- 7.77	- 5.23	- 3.59	- 4.83	- 11.74	- 9.73	- 7.57	- 5.25	- 3.29	- 1.23	
Incremental Requirements			2.53	1.65	1.25	6.91	2.02	2.15	2.32	1.96	2.06	
For CSP		-	-	-	-	-	-	-	-	-	-	
CSP Schedule												
Uncontracted Requirements after CSP		- 7.77	- 5.23	- 3.59	- 4.83	- 11.74	- 9.73	- 7.57	- 5.25	- 3.29	- 1.23	
% - Uncontracted Requirements after CSP vs Peak Demand		-23.37%	-15.06%	-9.85%	-12.66%	-29.31%	-23.12%	-17.13%	-11.29%	-6.78%	-2.44%	

Figure 172. Supply-Demand Profile of SURNECO – Hikdop



SURNECO - HIKDOP	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	0.16	0.16	0.16	0.16	0.17	0.18	0.18	0.18	0.19	0.19	0.20
Supply Contracted	0.20	0.20	0.20	0.20	0.21	0.24	0.25	0.26	0.26	0.29	0.29
Supply for PSA Approval											
Uncontracted Requirements		- 0.04	- 0.04	- 0.04	- 0.05	- 0.06	- 0.07	- 0.08	- 0.07	- 0.09	- 0.09
Incremental Requirements			- 0.01	0.00	- 0.01	- 0.02	- 0.01	- 0.01	0.01	- 0.02	0.00
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		- 0.04	- 0.04	- 0.04	- 0.05	- 0.06	- 0.07	- 0.08	- 0.07	- 0.09	- 0.09
% - Uncontracted Requirements after CSP vs Peak Demand		-22.20%	-27.07%	-24.24%	-28.10%	-35.56%	-39.16%	-42.85%	-37.97%	-48.38%	-45.06%

Figure 173. Supply-Demand Profile of SURSECO I



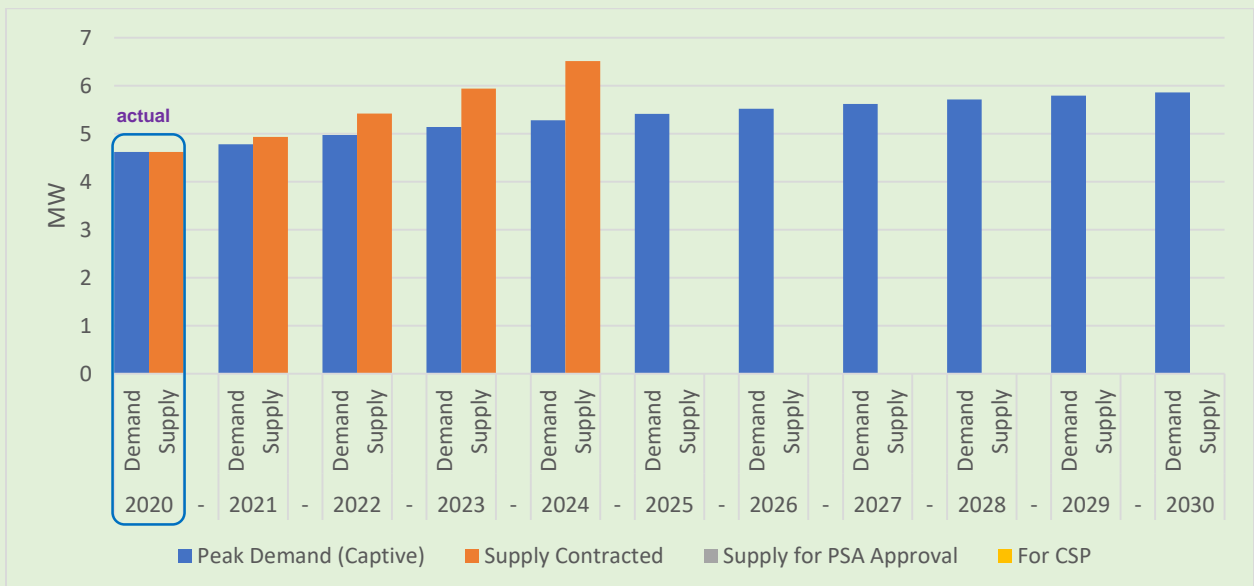
SURSECO I	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	12.59	14.13	14.86	15.57	16.07	16.55	17.02	17.48	17.93	18.38	18.85
Supply Contracted	15.39	13.39	13.39	13.39	11.39	11.39	11.39	11.39	11.39	11.39	11.39
Supply for PSA Approval											
Uncontracted Requirements		0.74	1.47	2.18	4.68	5.16	5.63	6.09	6.54	6.99	7.46
Incremental Requirements			0.74	0.71	2.49	0.48	0.47	0.46	0.45	0.45	0.47
For CSP		-	2.68	2.68	4.68	6.99	6.99	6.99	6.99	6.99	7.99
CSP Schedule											
Baseload 1 (2022 - 2032)			2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68
CSEE renewal with PSALM Corp (Baseload) (2024 - 2030)					2.00	2.00	2.00	2.00	2.00	2.00	2.00
Peaking 1 (2025 - 2030)						2.31	2.31	2.31	2.31	2.31	2.31
Peaking 2 (2030 - 2040)											1.00
Uncontracted Requirements after CSP		0.74	- 1.21	- 0.50	- 0.00	- 1.83	- 1.36	- 0.90	- 0.45	0.00	- 0.53
% - Uncontracted Requirements after CSP vs Peak Demand		5.21%	-8.13%	-3.20%	-0.02%	-11.06%	-7.99%	-5.15%	-2.51%	0.00%	-2.79%

Figure 174. Supply-Demand Profile of SURSECO II



SURSECO II	Actual		Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Peak Demand (Captive)	18.07	19.01	20.04	21.05	22.05	23.04	24.00	24.96	25.89	26.81	27.71	
Supply Contracted	23.46	23.46	23.46	23.46	23.46	18.00	18.00	18.00	18.00	18.00	18.00	
Supply for PSA Approval												
Uncontracted Requirements		- 4.45	- 3.42	- 2.41	- 1.41	5.04	6.00	6.96	7.89	8.81	9.71	
Incremental Requirements			1.03	1.02	1.00	6.44	0.97	0.95	0.93	0.92	0.90	
For CSP		-	-	-	5.00	6.00	7.00	8.00	9.00	10.00	11.00	
CSP Schedule												
Baseload 1 (2024 - 2039)					5.00	5.00	5.00	5.00	5.00	5.00	5.00	
Baseload 2 (PSA-FDC additional) (2025 - 2035)						0.50	1.00	1.50	2.00	2.50	3.00	
Baseload 3 (PSA-SMCPC additional) (2025 - 2035)						0.50	1.00	1.50	2.00	2.50	3.00	
Uncontracted Requirements after CSP		- 4.45	- 3.42	- 2.41	- 6.41	- 0.96	- 1.00	- 1.04	- 1.11	- 1.19	- 1.29	
% - Uncontracted Requirements after CSP vs Peak Demand		-23.42%	-17.09%	-11.44%	-29.06%	-4.18%	-4.15%	-4.19%	-4.29%	-4.45%	-4.65%	

Figure 175. Supply-Demand Profile of DIELECO

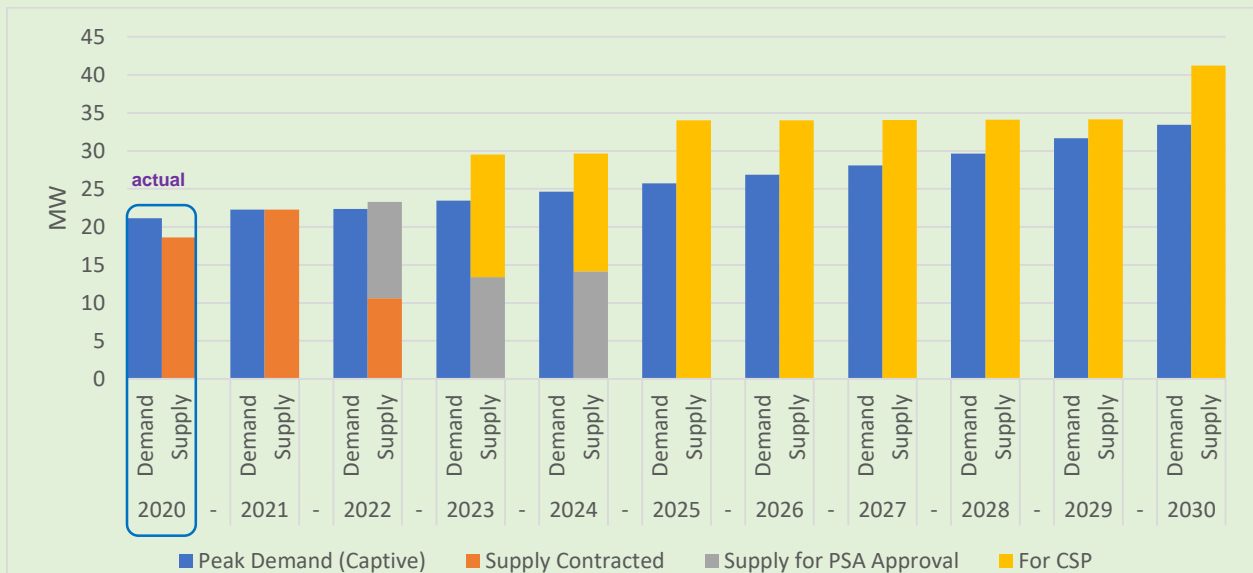


DIELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	4.62	4.78	4.97	5.14	5.28	5.41	5.52	5.62	5.71	5.79	5.86
Supply Contracted	4.62	4.93	5.42	5.94	6.51						
Supply for PSA Approval											
Uncontracted Requirements		- 0.15	- 0.45	- 0.80	- 1.23	5.41	5.52	5.62	5.71	5.79	5.86
Incremental Requirements			- 0.30	- 0.35	- 0.43	6.64	0.11	0.10	0.09	0.08	0.07
For CSP		-	-	-	-	-	-	-	-	-	-
CSP Schedule											
Uncontracted Requirements after CSP		(0.15)	- 0.45	- 0.80	- 1.23	5.41	5.52	5.62	5.71	5.79	5.86
% - Uncontracted Requirements after CSP vs Peak Demand		-3.14%	-9.05%	-15.56%	-23.30%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

➤ BANGSAMORO AUTONOMOUS REGION IN MUSLIM MINDANAO (BARMM)

The non-coincident peak demand of BARMM DUs, specific for BASELCO and SULECO only, reached 21.14 MW in 2020. This was expected to increase from 22.29 MW in 2021 to 33.44 MW in 2030 with an AAGR of 4.70% for the ten-year planning period. BARMM will have a supply deficit of 10.08 MW in 2023, which is expected to grow annually.

Figure 176. Supply-Demand Profile of BARMM DUs

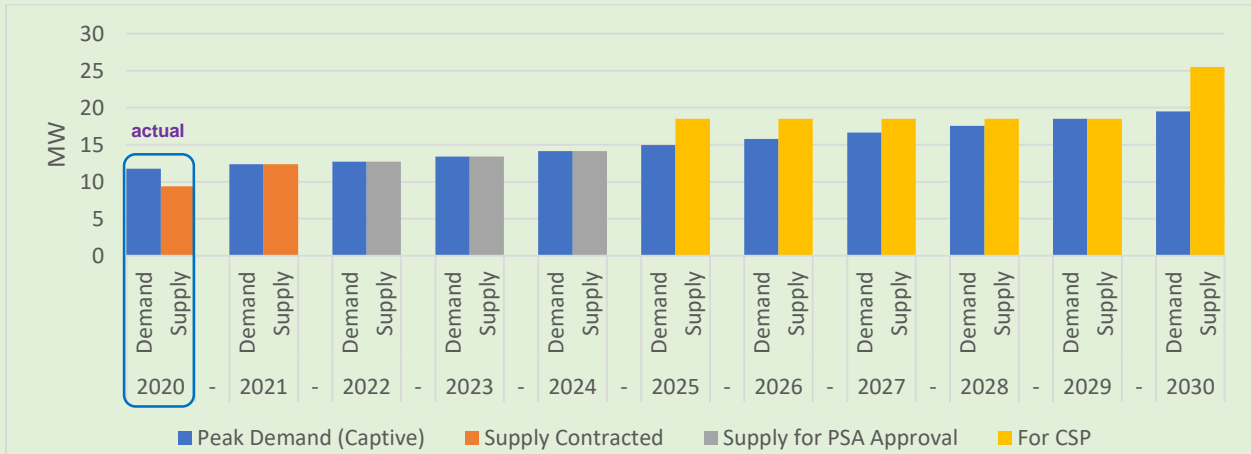


BARMM	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	21.14	22.29	22.38	23.48	24.64	25.75	26.89	28.10	29.66	31.66	33.44
Supply Contracted	18.60	22.26	10.62								
Supply for PSA Approval			12.69	13.40	14.15						
Uncontracted Requirements		0.03	- 0.93	10.08	10.49	25.75	26.89	28.10	29.66	31.66	33.44
Incremental Requirements			- 0.96	11.01	0.41	15.26	1.14	1.21	1.56	2.00	1.78
For CSP		-	-	16.12	15.50	34.01	34.03	34.07	34.12	34.17	41.24
CSP Schedule				16.12	15.50	34.01	34.03	34.07	34.12	34.17	41.24
Uncontracted Requirements after CSP		0.03	- 0.93	- 6.04	- 5.01	- 8.26	- 7.14	- 5.97	- 4.46	- 2.51	- 7.80
% - Uncontracted Requirements after CSP vs Peak Demand		0.13%	-4.16%	-25.72%	-20.31%	-32.09%	-26.54%	-21.25%	-15.04%	-7.94%	-23.33%

For the planning period, the DUs in BARMM have a schedule for CSP ranging from 15.50 MW to 41.24 MW. The proposed CSPs accounted for BASELCO and SULECO.

With the proposed CSPs, BASELCO and SULECO will have sufficient power supply requirements for the entire planning horizon.

Figure 177. Supply-Demand Profile of BASELCO



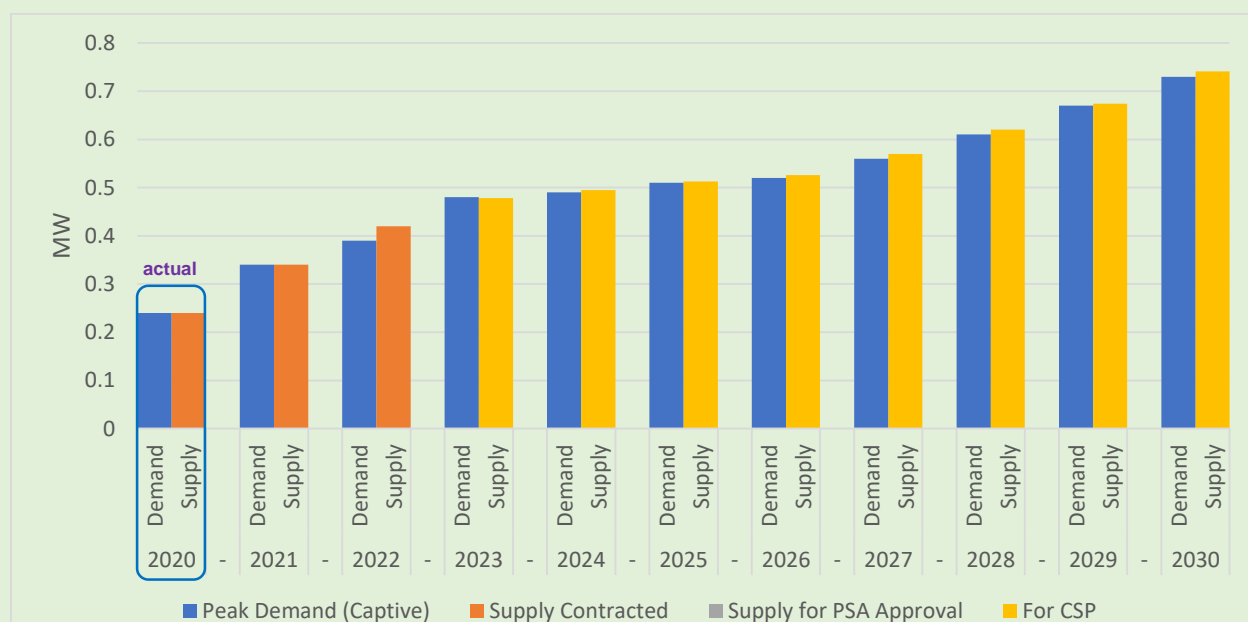
BASELCO	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	11.75	12.37	12.69	13.40	14.15	14.94	15.77	16.64	17.55	18.49	19.48
Supply Contracted	9.36	12.37									
Supply for PSA Approval			12.69	13.40	14.15						
Uncontracted Requirements		-	-	-	-	14.94	15.77	16.64	17.55	18.49	19.48
Incremental Requirements						14.94	0.83	0.87	0.91	0.94	0.99
For CSP						18.50	18.50	18.50	18.50	18.50	25.50
CSP Schedule											
Baseload (2024-2038)						18.50	18.50	18.50	18.50	18.50	18.50
Intermediate (2030-2038)											7.00
Uncontracted Requirements after CSP						3.56	2.73	1.86	0.95	0.01	6.02
% - Uncontracted Requirements after CSP vs Peak Demand		0.00%	0.00%	0.00%	0.00%	-23.83%	-17.31%	-11.18%	-5.41%	-0.05%	-30.90%

Figure 178. Supply-Demand Profile of SULECO – Jolo



SULECO - Jolo	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	9.15	9.58	9.30	9.60	10.00	10.30	10.60	10.90	11.50	12.50	13.23
Supply Contracted	9.00	9.55	10.20								
Supply for PSA Approval											
Uncontracted Requirements		0.03	- 0.90	9.60	10.00	10.30	10.60	10.90	11.50	12.50	13.23
Incremental Requirements			- 0.93	10.50	0.40	0.30	0.30	0.30	0.60	1.00	0.73
For CSP		-	-	15.64	15.00	15.00	15.00	15.00	15.00	15.00	15.00
CSP Schedule											
Intermediate (2022-2037)				5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Baseload (2024-2037)					10.00	10.00	10.00	10.00	10.00	10.00	10.00
Baseload (2023-2024)				10.64							
Uncontracted Requirements after CSP		0.03	- 0.90	- 6.04	- 5.00	- 4.70	- 4.40	- 4.10	- 3.50	- 2.50	- 1.77
% - Uncontracted Requirements after CSP vs Peak Demand		0.31%	-9.68%	-62.92%	-50.00%	-45.63%	-41.51%	-37.61%	-30.43%	-20.00%	-13.38%

Figure 179. Supply-Demand Profile of SULECO – Pangutaran



SULECO - Pangutaran	Actual	Forecast									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Peak Demand (Captive)	0.24	0.34	0.39	0.48	0.49	0.51	0.52	0.56	0.61	0.67	0.73
Supply Contracted	0.24	0.34	0.42								
Supply for PSA Approval											
Uncontracted Requirements		-	- 0.03	0.48	0.49	0.51	0.52	0.56	0.61	0.67	0.73
Incremental Requirements		-	- 0.03	0.51	0.01	0.02	0.01	0.04	0.05	0.06	0.06
For CSP		-	-	0.48	0.50	0.51	0.53	0.57	0.62	0.67	0.74
CSP Schedule											
Baseload (2023-2030)				0.48	0.50	0.51	0.53	0.57	0.62	0.67	0.74
Uncontracted Requirements after CSP		-	- 0.03	0.00	- 0.01	- 0.00	- 0.01	- 0.01	- 0.01	- 0.00	- 0.01
% - Uncontracted Requirements after CSP vs Peak Demand		0.00%	-7.69%	0.42%	-1.02%	-0.59%	-1.15%	-1.79%	-1.64%	-0.60%	-1.51%

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