





Monthly Trading Report

December 2023



December Market Overview

 <p>USEP \$131.42/MWh</p>		Weekdays	Saturday	Sunday
	Daily Average	135.96	132.85	115.06
	Daily Maximum	661.67	273.79	404.97
	Daily Minimum	76.55	86.58	75.92
				(in \$/MWh)
 <p>Forecasted Demand 6,112MW</p>		Weekdays	Saturday	Sunday
	Daily Average	6,246	5,972	5,781
	Daily Maximum	7,094	6,500	6,419
	Daily Minimum	5,183	5,295	5,175
				(in MW)
 <p>Total Supply 7,040MW</p>		Weekdays	Saturday	Sunday
	Daily Average	7,169	6,829	6,788
	Daily Maximum	7,872	7,349	7,417
	Daily Minimum	6,211	6,284	6,131
				(in MW)
 <p>Pri Con Reg 1.67 15.55 35.62 (in \$/MWh)</p>		Weekdays	Saturday	Sunday
	Primary Reserve	1.02	3.96	1.95
	Contingency Reserve	20.16	4.71	9.23
	Regulation	38.59	32.50	28.32
				(in \$/MWh)

*Pri for Primary Reserve; Con for Contingency Reserve; Reg for Regulation.

Forecasted Demand, USEP



Figure 1: Forecasted Demand vs USEP for This Month

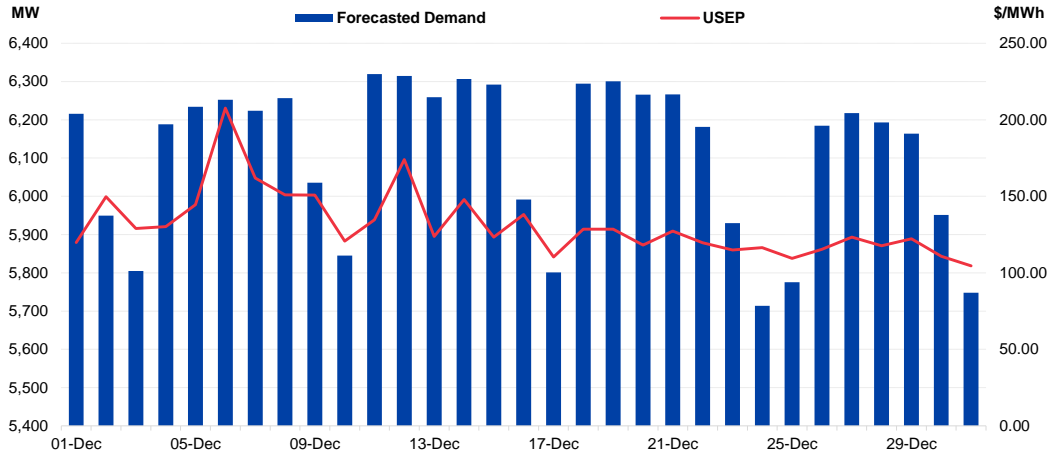
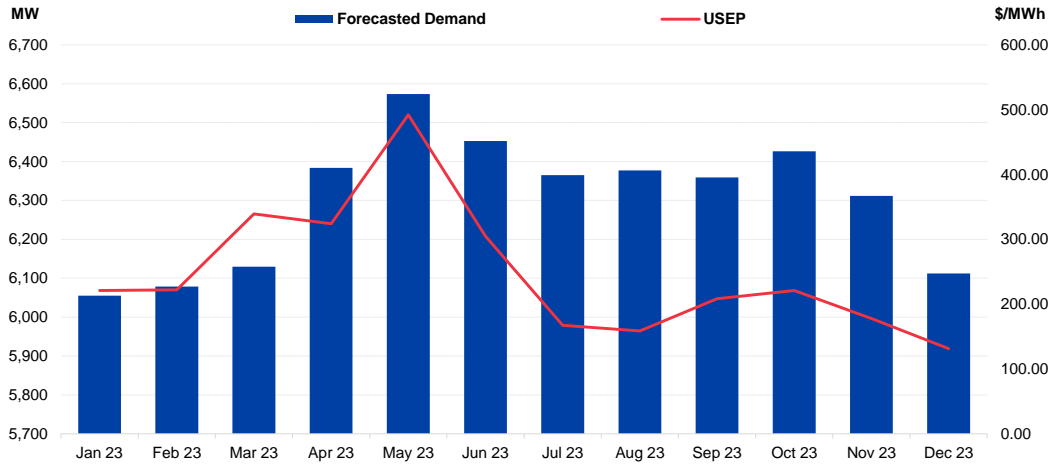


Figure 2: Forecasted Demand vs USEP for Last 12 Months



Generation

Figure 3: Average Generation by Type for This Month

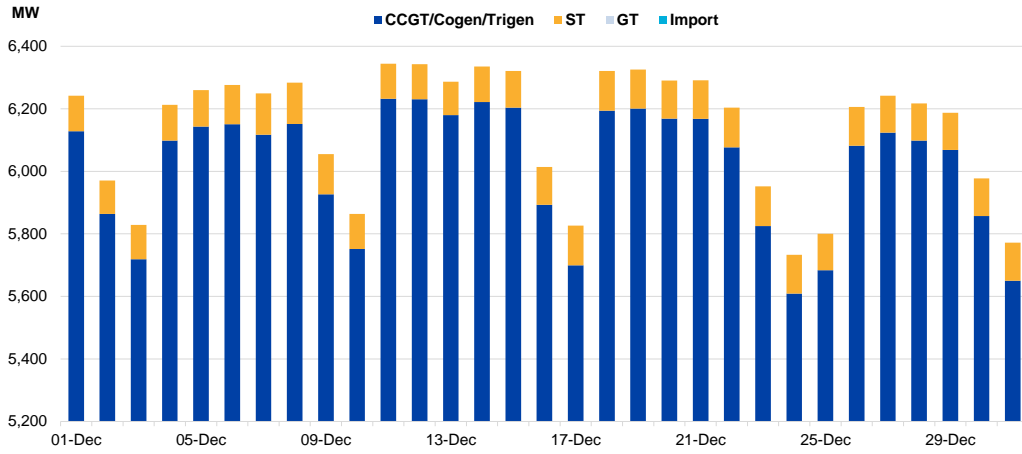
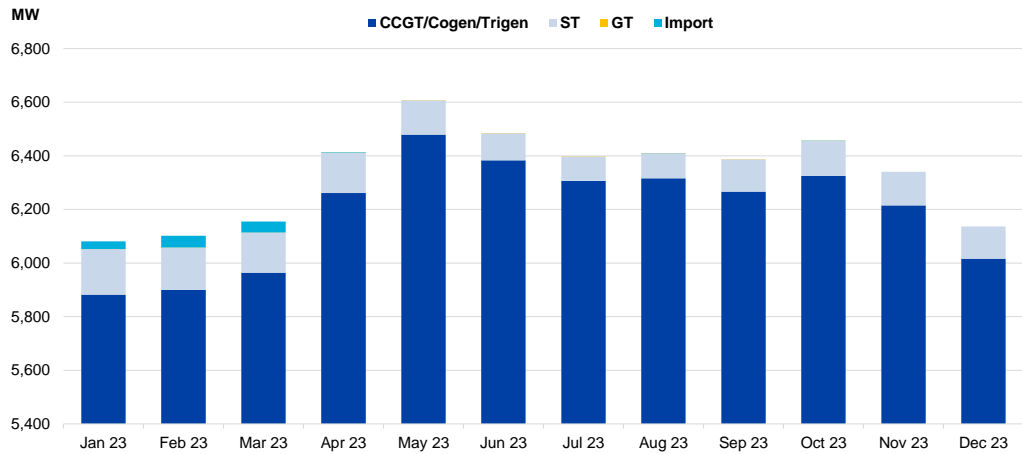


Figure 4: Average Generation by Type for Last 12 Months



Market Overview



Figure 5: YOY % Change of USEP and Forecasted Demand

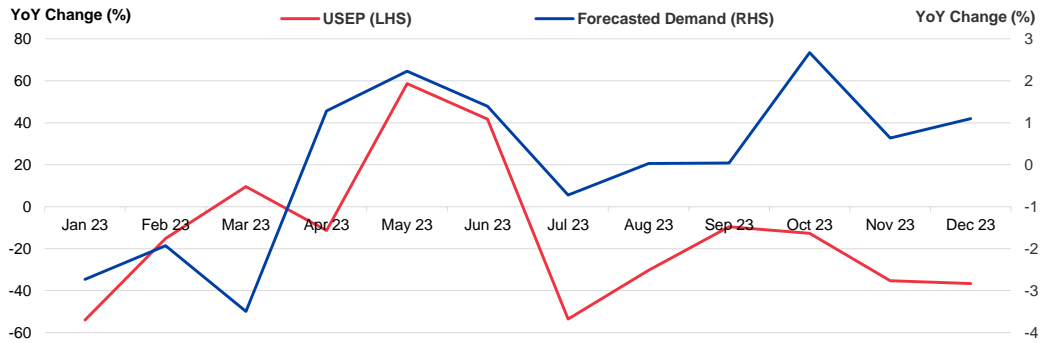


Figure 6: Ancillary Prices

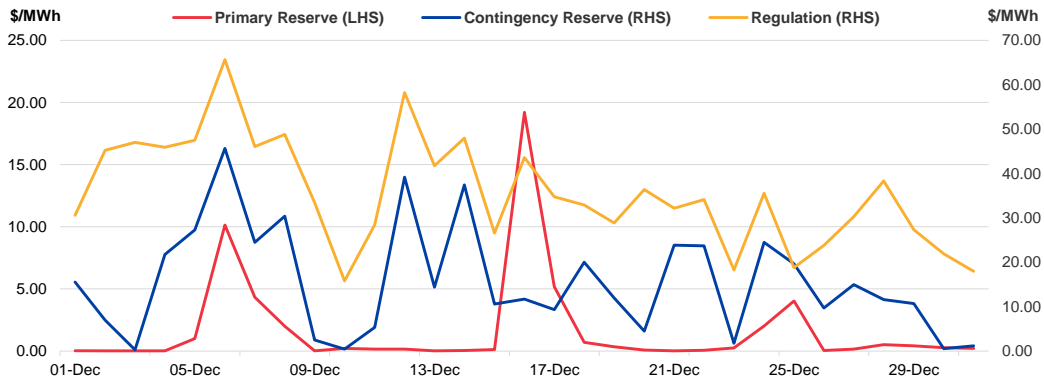


Figure 7: Monthly Payment for Last 12 Months

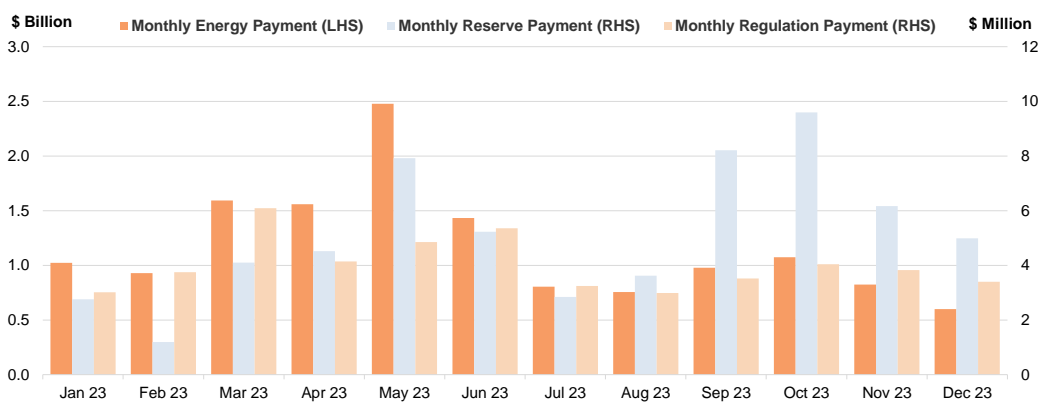


Figure 8: Instances of Demand Response (DR) Load Curtailment for Last 12 Months

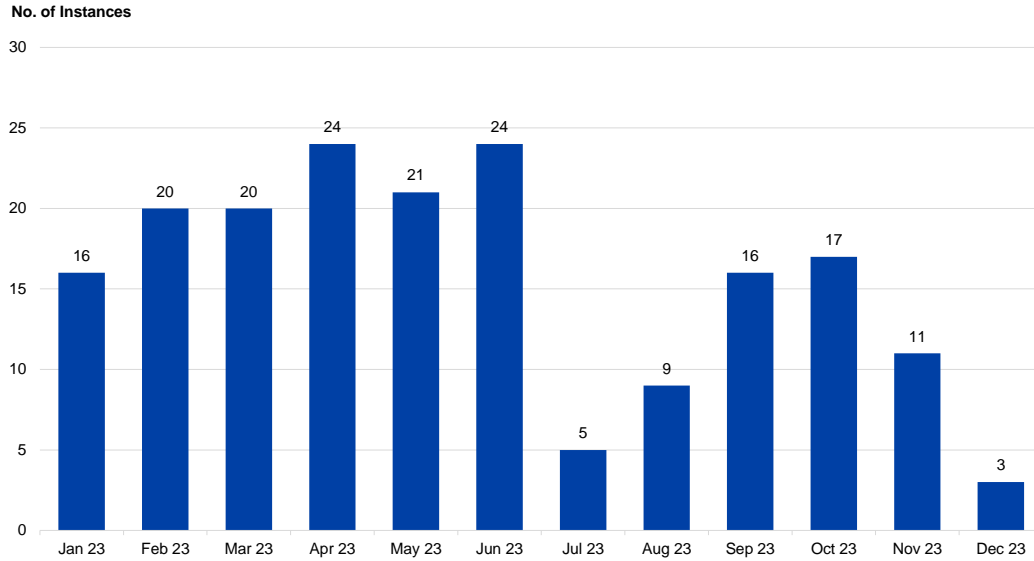
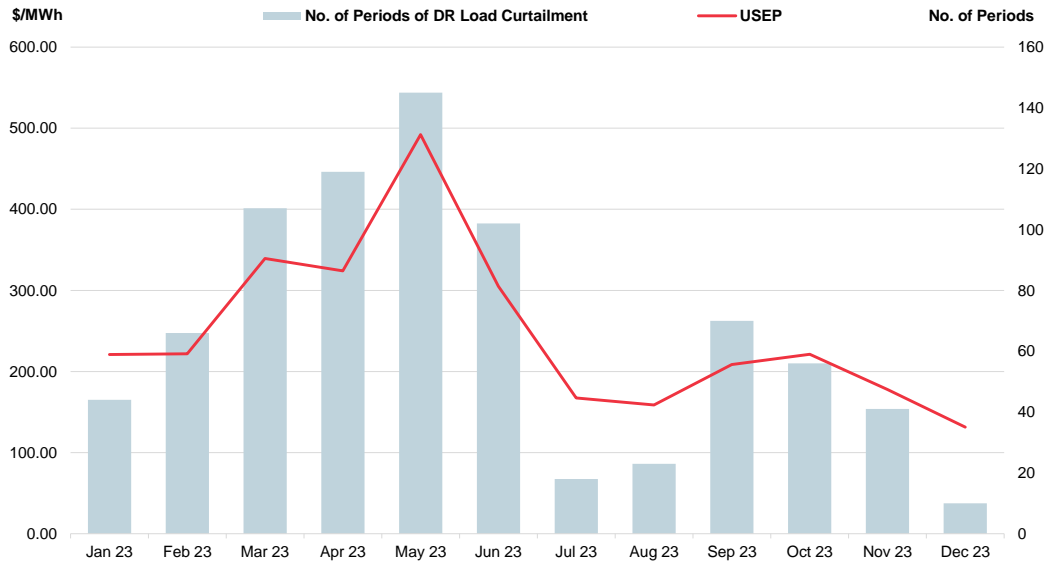


Figure 9: USEP and Periods of DR Load Curtailment for Last 12 Months



Market Statistics



Figure 10: Price Statistics for Year 2023

	USEP (\$/MWh)			Forecasted Demand (MW)			Generation (%)			
	Average	Min	Max	Average	Min	Max	CCGT/Cogen/Trigen	ST	GT	Import
Jan	220.97	76.19	4,500.00	6,055	4,936	7,045	96.74	2.79	0.01	0.46
Feb	221.98	76.74	3,336.48	6,078	5,032	6,857	96.69	2.59	0.00	0.72
Mar	339.26	73.46	4,500.00	6,130	4,991	7,127	96.90	2.42	0.02	0.66
Apr	323.96	78.17	3,698.21	6,384	5,349	7,477	97.61	2.34	0.01	0.04
May	492.09	91.21	3,593.76	6,574	5,501	7,569	98.05	1.94	0.00	0.00
Jun	305.15	92.82	4,500.00	6,453	5,425	7,443	98.43	1.56	0.01	0.00
Jul	167.49	85.99	3,346.16	6,365	5,387	7,294	98.58	1.42	0.00	0.00
Aug	158.82	85.65	4,500.00	6,377	5,332	7,255	98.55	1.44	0.00	0.01
Sep	208.59	96.53	4,500.00	6,359	5,364	7,317	98.10	1.89	0.01	0.00
Oct	221.19	76.04	3,347.38	6,426	5,379	7,370	97.98	2.02	0.00	0.01
Nov	177.73	80.00	4,500.00	6,312	5,228	7,275	98.02	1.98	0.00	0.00
Dec	131.42	75.92	661.67	6,112	5,175	7,094	98.05	1.95	0.00	0.00
Yearly	247.52	73.46	4,500.00	6,303	4,936	7,569	97.81	2.02	0.01	0.16
Q1	262.03	73.46	4,500.00	6,088	4,936	7,127	96.78	2.60	0.01	0.61
Q2	375.03	78.17	4,500.00	6,471	5,349	7,569	98.03	1.95	0.01	0.01
Q3	177.97	85.65	4,500.00	6,367	5,332	7,317	98.41	1.58	0.01	0.00
Q4	176.77	75.92	4500.00	6,283	5,175	7,370	98.02	1.98	0.00	0.00

	Average Price (\$/MWh)			Average Requirements (MW)		
	Primary Reserve	Contingency Reserve	Regulation	Primary Reserve	Contingency Reserve	Regulation
Jan	0.20	8.88	30.06	158	389	120
Feb	0.14	4.20	42.52	165	389	117
Mar	0.24	13.37	63.10	169	392	117
Apr	0.12	14.95	43.84	160	392	117
May	0.28	25.29	50.85	172	410	117
Jun	0.74	17.31	60.02	167	403	117
Jul	0.08	9.25	34.31	160	392	117
Aug	1.89	10.92	31.34	169	398	117
Sep	1.02	27.06	37.75	172	399	117
Oct	1.70	30.27	42.02	162	398	117
Nov	1.26	20.33	41.41	152	391	117
Dec	1.67	15.55	35.62	166	391	117
Yearly	0.78	16.51	42.71	164	395	117
Q1	0.20	8.97	45.32	164	390	118
Q2	0.38	19.25	51.56	166	402	117
Q3	1.00	15.62	34.43	167	396	117
Q4	1.54	22.07	39.67	160	393	117

Market Statistics



Figure 11: Renewable Generation Market Share in Percentage for Year 2023 (based on IEQ)

	Renewable Generations	
	IGS	Import
Jan	0.63	0.50
Feb	0.77	0.76
Mar	0.82	0.70
Apr	0.88	0.04
May	0.91	0.00
Jun	0.87	0.00
Jul	0.87	0.00
Aug	0.99	0.01
Sep	1.10	0.00
Oct	1.19	0.01
Nov	1.00	0.00
Dec	0.95	0.00
Yearly	0.92	0.17
Q1	0.74	0.65
Q2	0.88	0.01
Q3	0.99	0.00
Q4	1.05	0.00

Figure 12: Vesting Price, Tariffs and WEP for Year 2023

	Vesting Contract Price (\$/MWh)	Domestic Electricity Tariffs (¢/kWh)	Average WEP (\$/MWh)	WEP Components (\$/MWh)					
				USEP	AFP	HEUC	MEUC	EMC Fees	PSO Fees
Jan	204.44	28.95	219.13	220.97	0.60	-4.05	0.97	0.36	0.28
Feb	204.44	28.95	222.53	221.98	0.82	-2.96	1.98	0.41	0.30
Mar	204.44	28.95	337.77	339.26	1.20	-3.72	0.35	0.41	0.27
Apr	190.53	27.43	324.04	323.96	0.79	-2.95	1.50	0.41	0.33
May	190.53	27.43	488.71	492.09	0.89	-6.24	1.25	0.41	0.31
Jun	190.53	27.43	303.33	305.15	1.06	-3.70	0.08	0.41	0.33
Jul	184.90	27.74	167.07	167.49	0.62	-2.84	1.11	0.37	0.32
Aug	184.90	27.74	158.16	158.82	0.57	-2.29	0.40	0.37	0.30
Sep	184.90	27.74	207.80	208.59	0.68	-2.21	0.06	0.37	0.31
Oct	192.64	28.70	221.21	221.19	0.75	-1.84	0.45	0.37	0.29
Nov	192.64	28.70	178.06	177.73	0.74	-1.30	0.20	0.37	0.31
Dec	192.64	28.70	131.36	131.42	0.67	-1.22	-0.19	0.37	0.31
Yearly	193.07	28.20	246.72	247.52	0.78	-2.95	0.67	0.39	0.31
Q1	204.44	28.95	261.06	262.03	0.87	-3.60	1.07	0.39	0.29
Q2	190.53	27.43	373.31	375.03	0.92	-4.32	0.95	0.41	0.32
Q3	184.90	27.74	177.35	177.97	0.62	-2.45	0.53	0.37	0.31
Q4	192.64	28.70	176.86	176.77	0.72	-1.45	0.15	0.37	0.31

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