


MARKET OUTCOMES



Load Weighted
Average Price

Php 9.87 /kWh

SYSTEM-WIDE

Luzon: Php 9.55 /kWh

Visayas: Php 11.21 /kWh

Mindanao: Php 10.16 /kWh



Average Supply

19,547 MW

SYSTEM-WIDE

Luzon: 14,081 MW

Visayas: 2,359 MW

Mindanao: 3,106 MW



Average Demand

16,320 MW

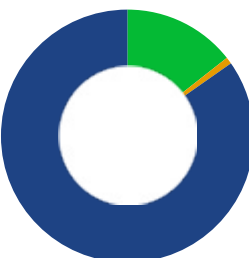
SYSTEM-WIDE

Luzon: 11,888 MW

Visayas: 2,184 MW

Mindanao: 2,249 MW

GENERATION MIX



57 GWH

14.4%

Renewables

3 GWH

0.9%

Energy Storage System

334 GWH


84.8%

Non-renewables

SYSTEM-WIDE

	NON-RENEWABLE ENERGY	RENEWABLE ENERGY	ENERGY STORAGE SYSTEM
Luzon	89.40%	9.42%	1.17%
Visayas	63.18%	36.82%	0.00%
Mindanao	79.39%	20.61%	0.00%

HVDC AVERAGE MW FLOW



LUZON TO VISAYAS

>>> 185 MW

61.81% of the time

VISAYAS TO LUZON

<<< 227 MW

37.50% of the time

VISAYAS TO MINDANAO

>>> 26 MW

14.58% of the time

MINDANAO TO VISAYAS

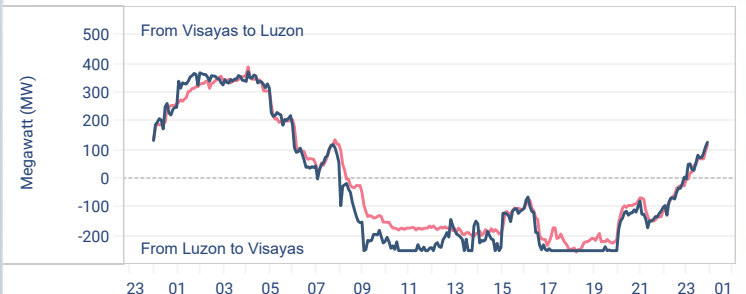
<<< 198 MW

85.42% of the time


RTD

Actual

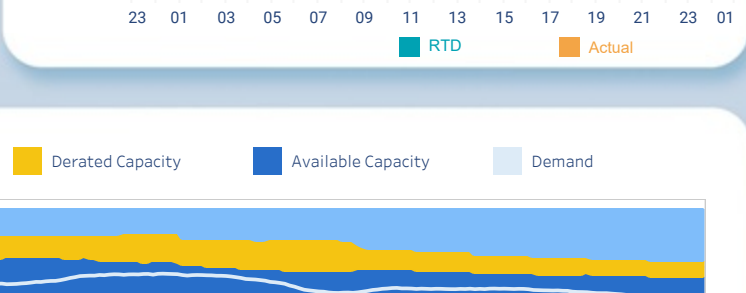
From Visayas to Luzon



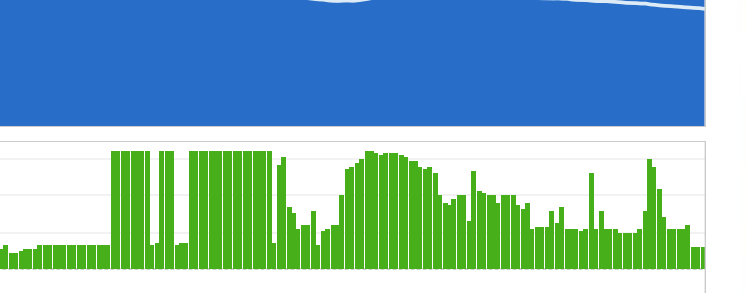
From Luzon to Visayas



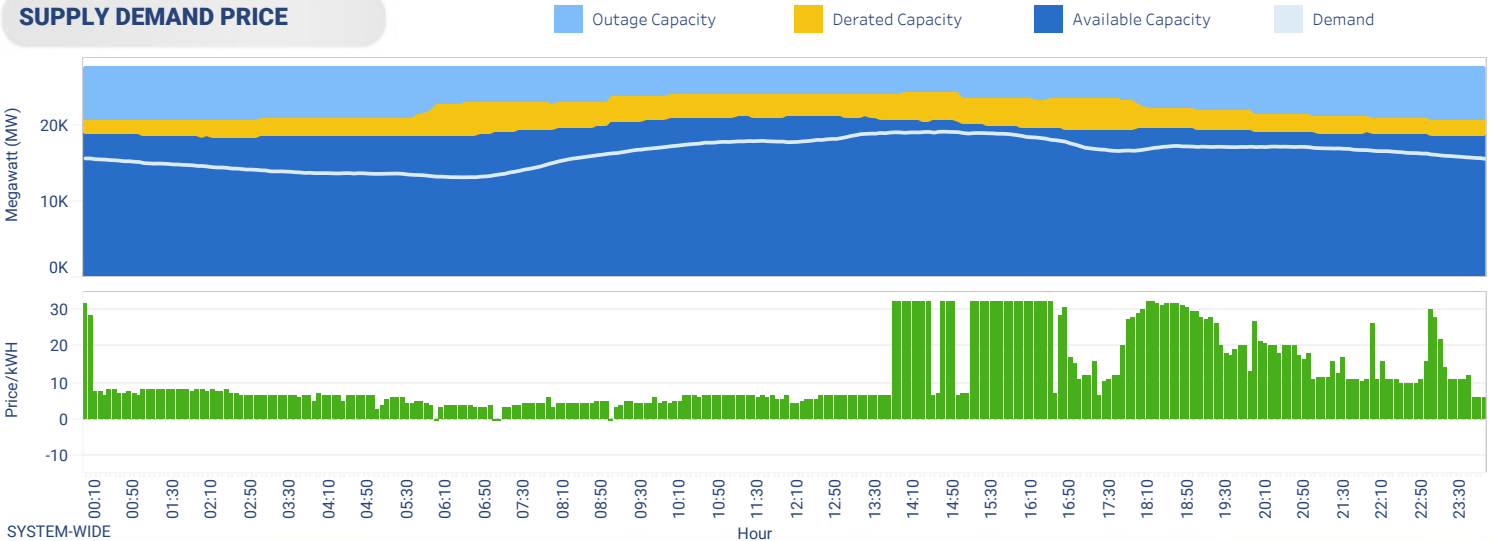
From Mindanao to Visayas



From Visayas to Mindanao



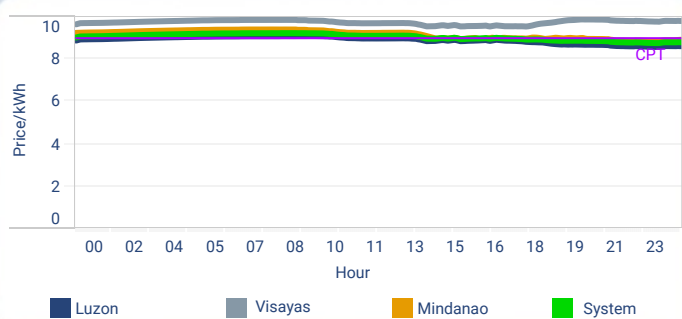
SUPPLY DEMAND PRICE



AVERAGE RESERVE REQUIREMENT AND SCHEDULE

	Regulation Up			Regulation Down			Contingency Reserve			Dispatchable Reserve		
	Req't	Sched	Surplus (+) or Deficit (-)	Req't	Sched	Surplus (+) or Deficit (-)	Req't	Sched	Surplus (+) or Deficit (-)	Req't	Sched	Surplus (+) or Deficit (-)
Luzon	238	170	-67	238	172	-66	619	273	-346	618	131	-487
Visayas	44	44	0	44	44	0	166	90	-76	151	100	-51
Mindanao	44	32	-11	44	33	-10	120	73	-47	120	117	-3

ROLLING AVERAGE GENERATOR
WEIGHTED AVERAGE PRICE

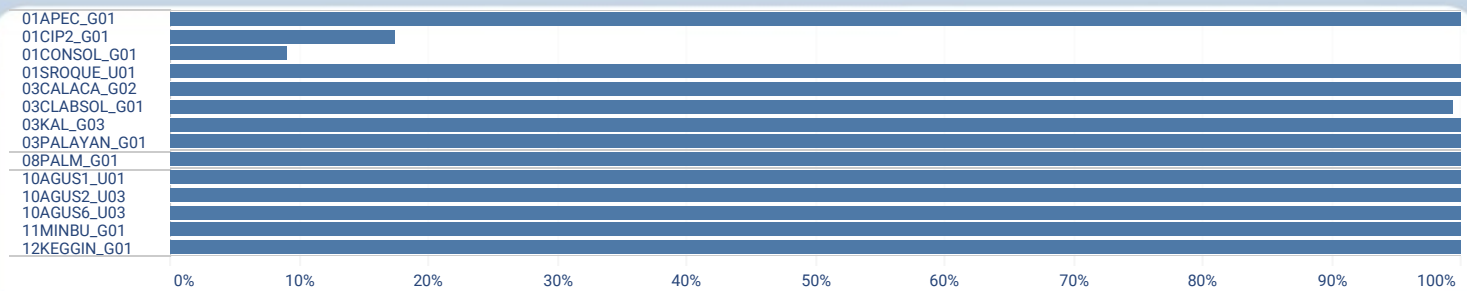


PRICE DISTRIBUTION

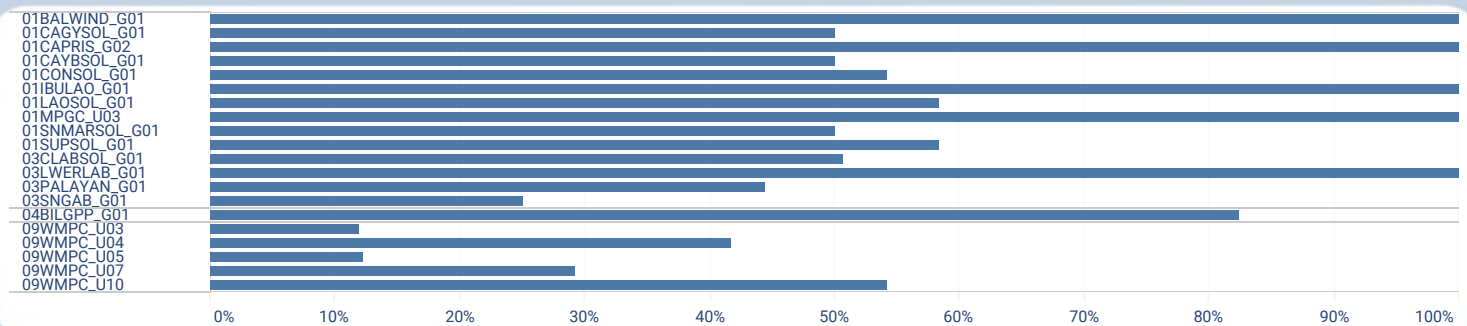
	Below 0 P/kWh	0 - 2.5 P/kWh	2.5 - 5.0 P/kWh	5 - 10 P/kWh	Above 10 P/kWh
System	1%	1%	24%	43%	31%
Luzon	1%	1%	31%	45%	22%
Visayas	0%	2%	22%	42%	35%
Mindanao	0%	2%	20%	52%	27%

Based on Generator Weighted Average Price (GWAP)

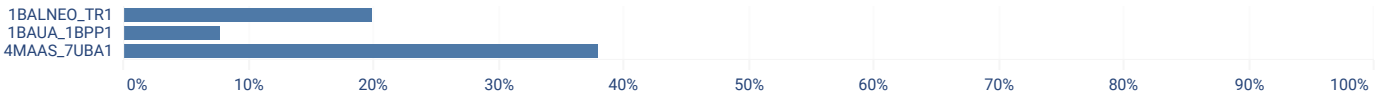
GENERATORS ON OUTAGE



GENERATORS WITH SYSTEM OPERATOR OVERRIDING CONSTRAINT



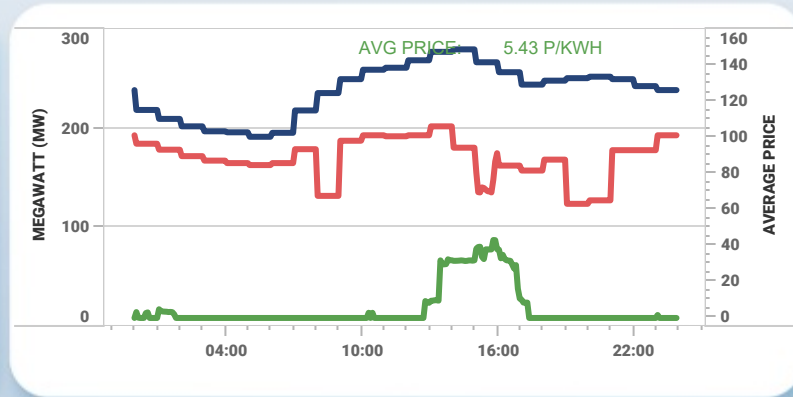
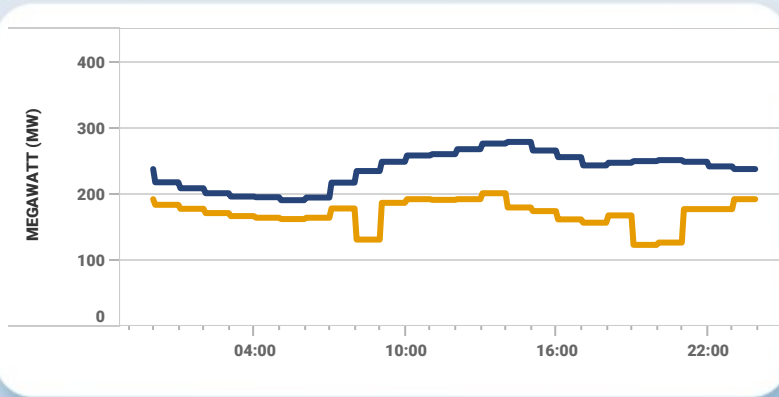
FREQUENT CONGESTIONS



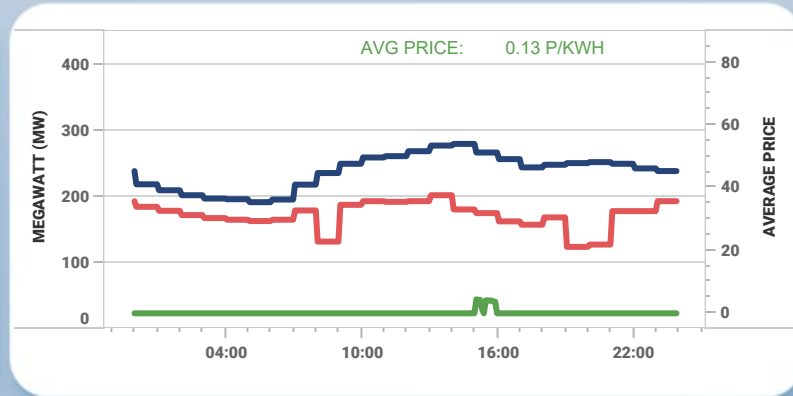
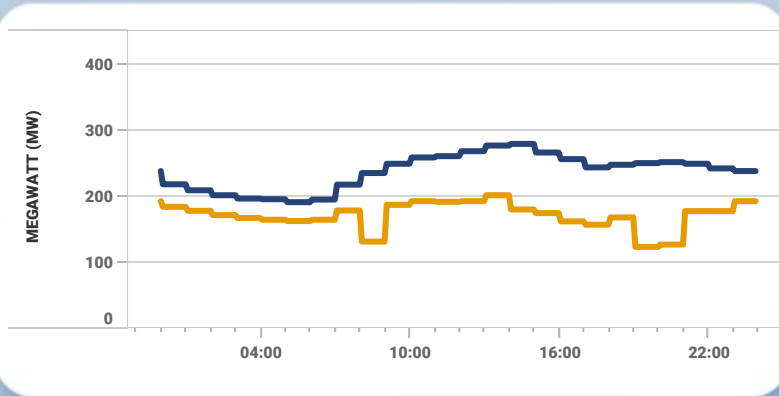
LUZON RESERVES

Reserve Requirement Reserve Offers Reserve Schedule Zonal Reserve Price

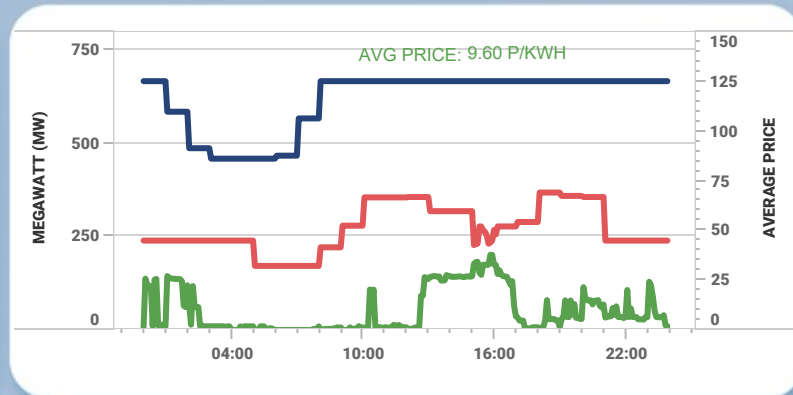
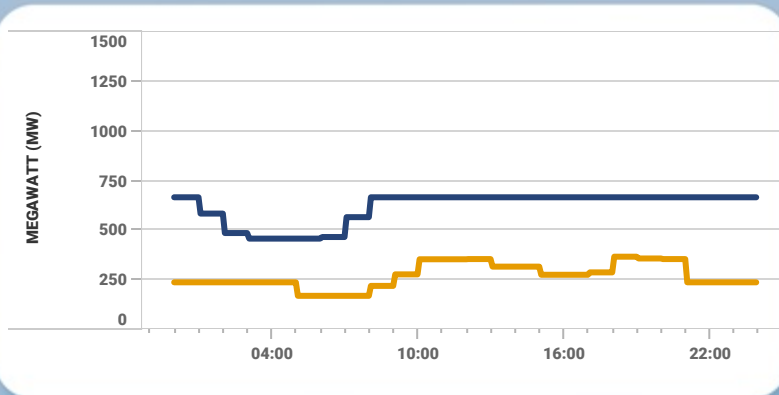
REGULATION UP RESERVE



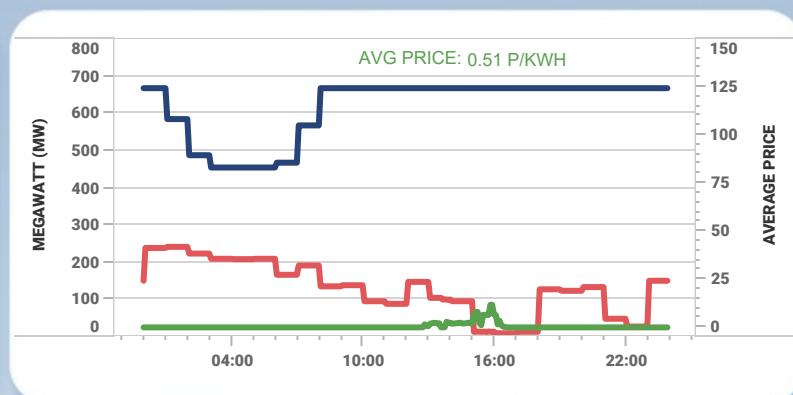
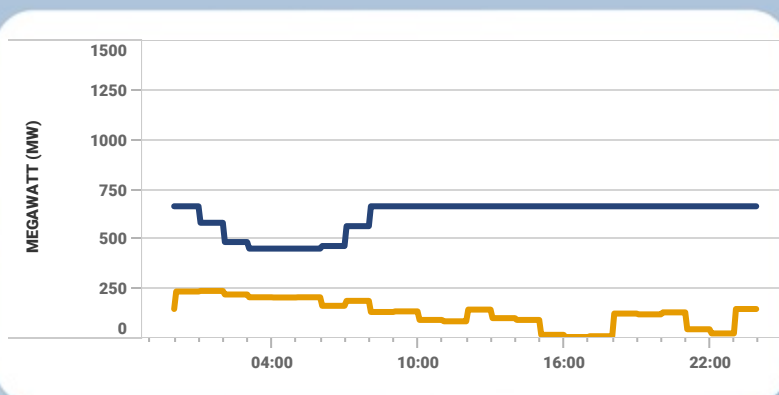
REGULATION DOWN RESERVE



CONTINGENCY RESERVE



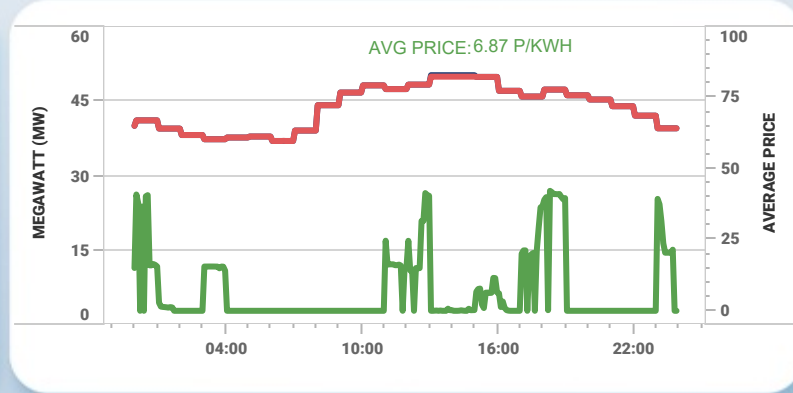
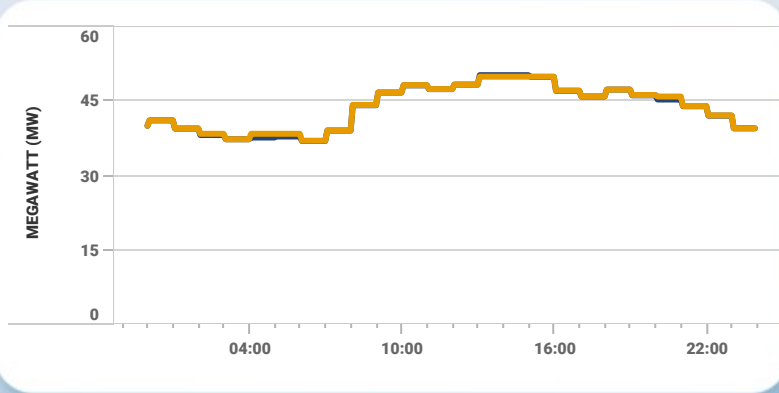
DISPATCHABLE RESERVE



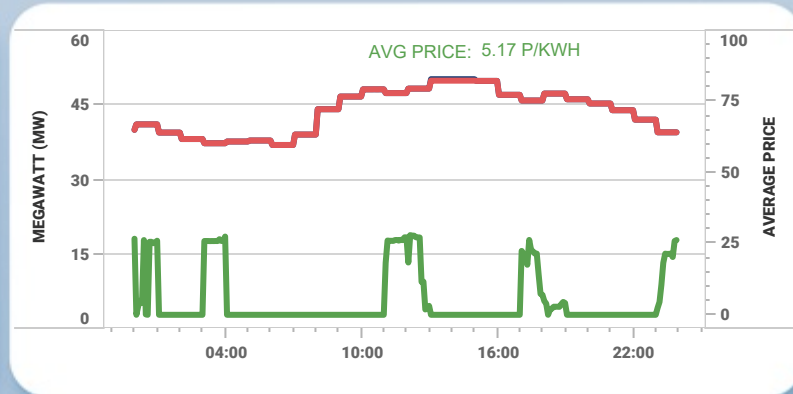
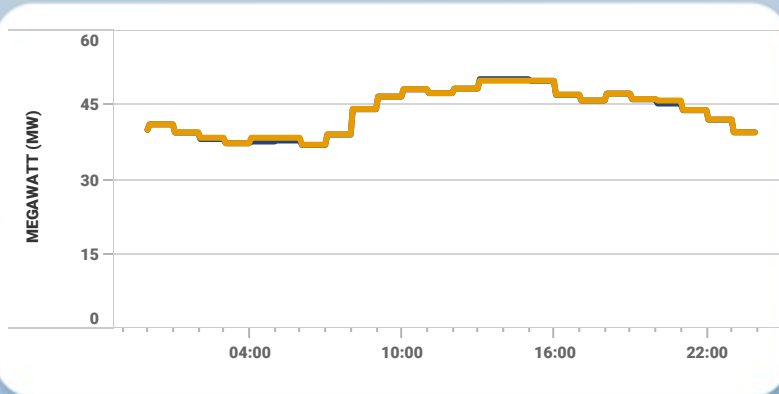
VISAYAS RESERVES

Reserve Requirement Reserve Offers Reserve Schedule Zonal Reserve Price

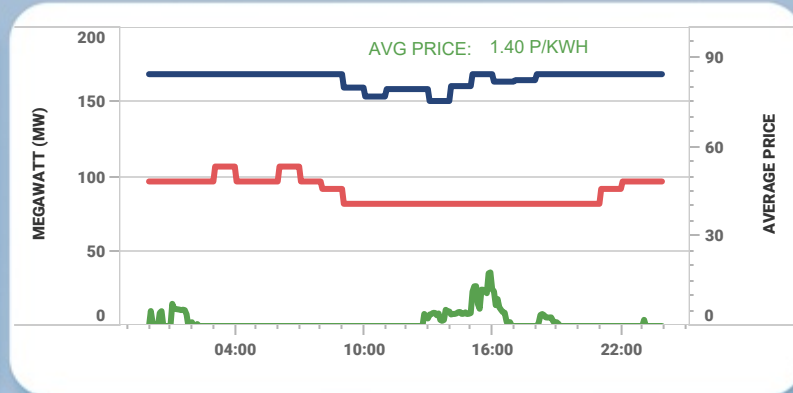
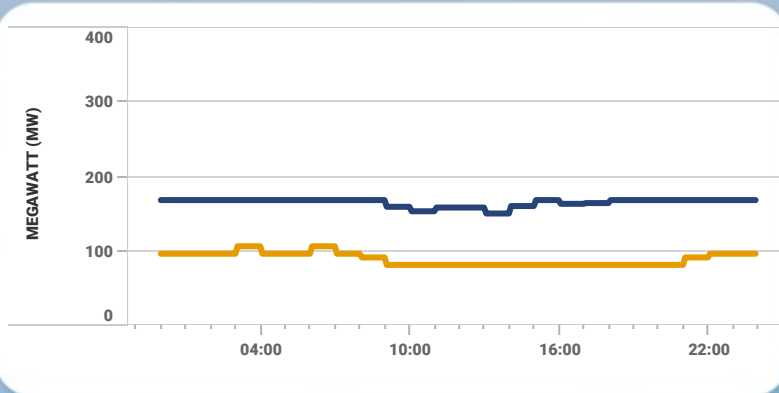
REGULATION UP RESERVE



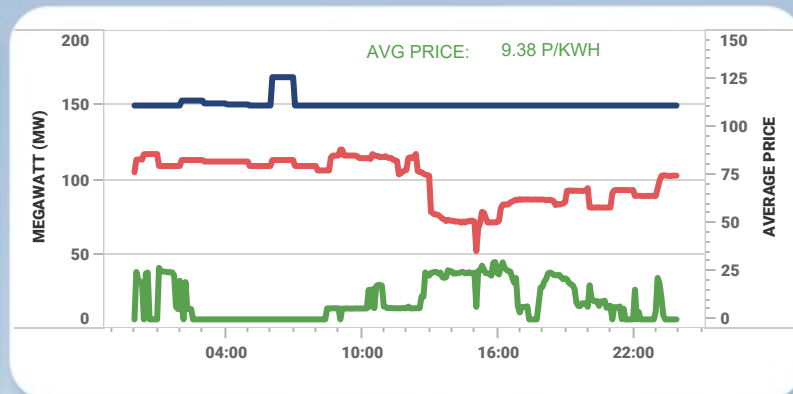
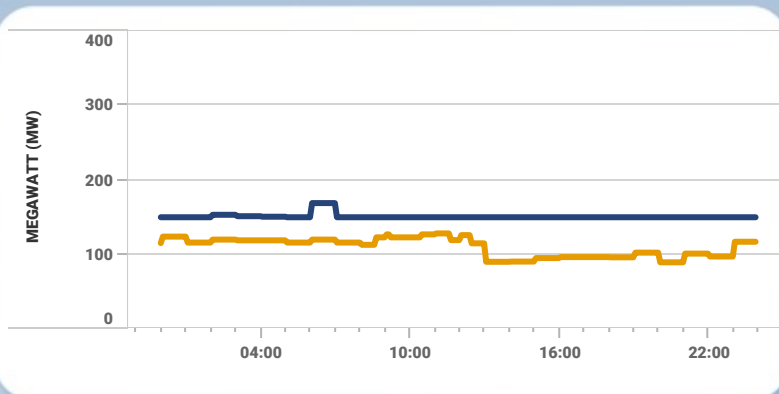
REGULATION DOWN RESERVE



CONTINGENCY RESERVE



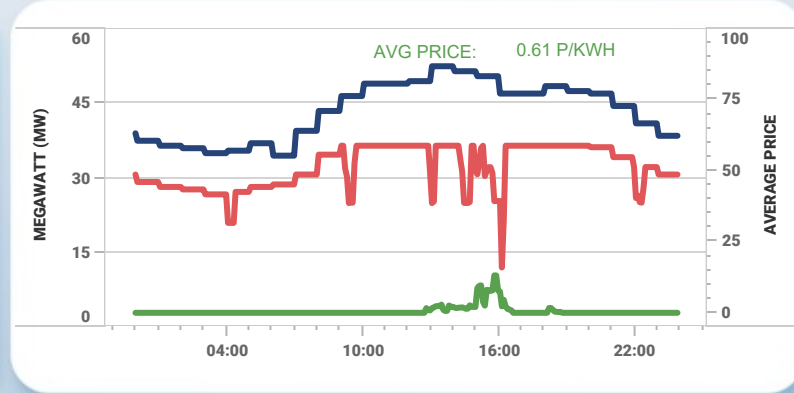
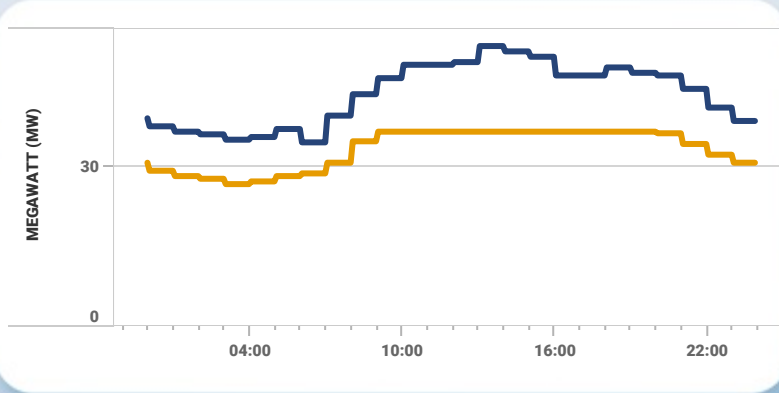
DISPATCHABLE RESERVE



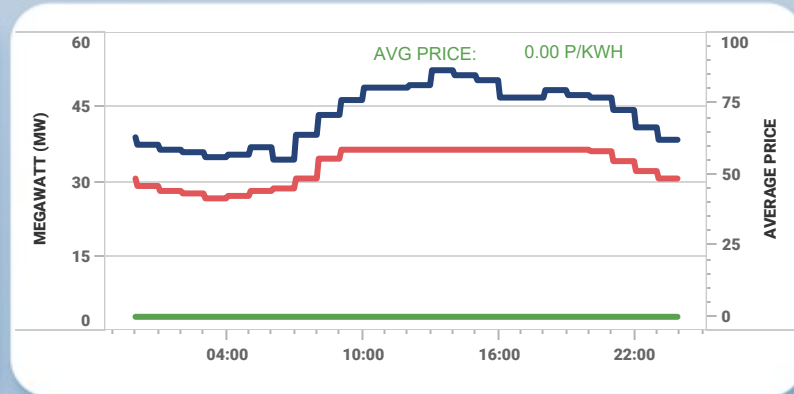
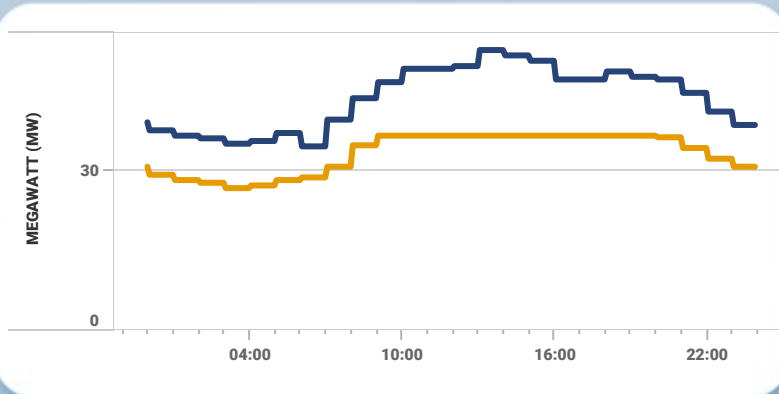
MINDANAO RESERVES

■ Reserve Requirement ■ Reserve Offers ■ Reserve Schedule ■ Zonal Reserve Price

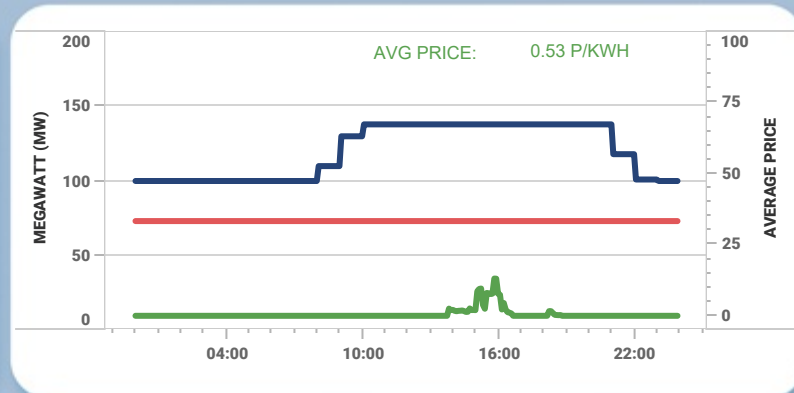
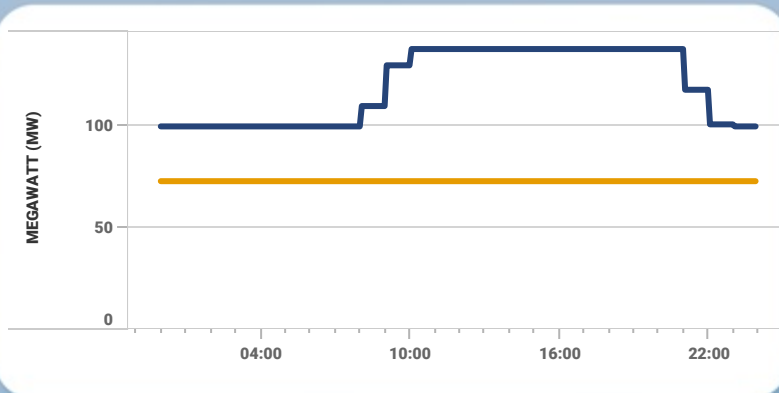
REGULATION UP RESERVE



REGULATION DOWN RESERVE



CONTINGENCY RESERVE



DISPATCHABLE RESERVE

