

MARKET ASSESSMENT HIGHLIGHTS

Demand, Supply, and Price

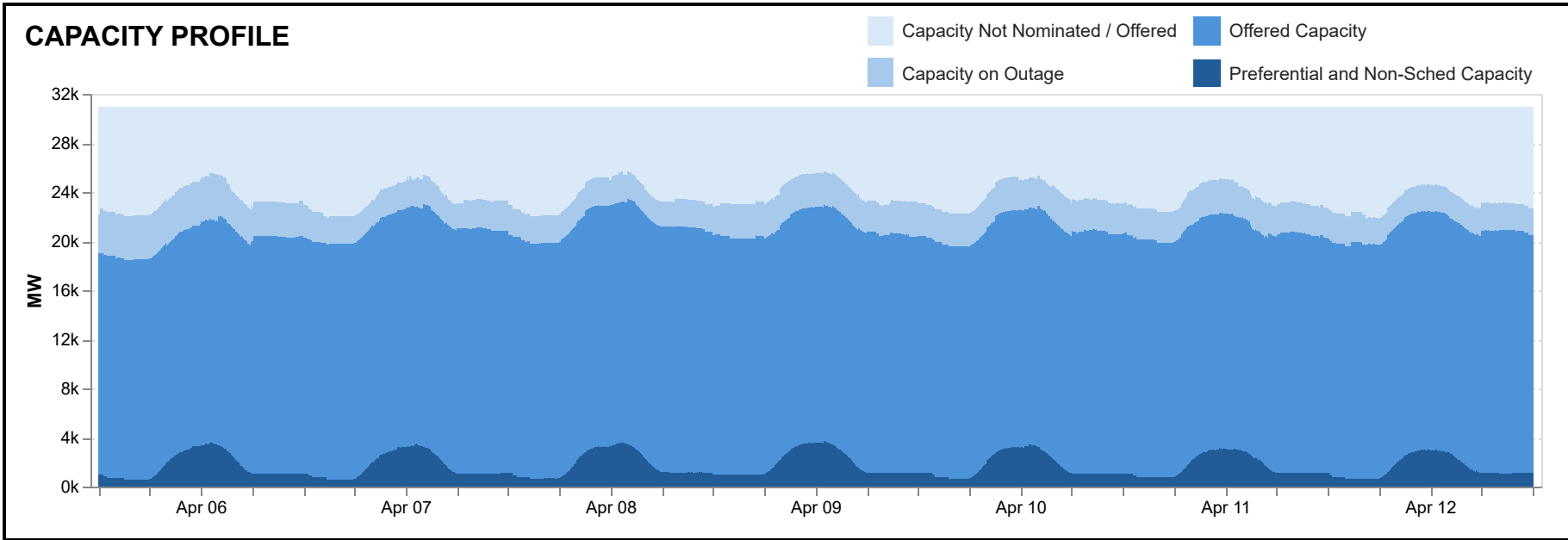
- The average weekly regional GWAP decreased in the Luzon region by 5.37%, in the Visayas region by 7.12%, and in the Mindanao region by 0.55%. The calculated GWAP for this week and previous week are based on generator-modified administered prices as prescribed in the Special Operating Guidelines in view of the Market Suspension, which started on 26 March.
- The average weekly demand increased across all regions.
- The average weekly outage decreased across all regions.
- Exports from Luzon to Visayas occurred 35.47% of the time, averaging at 81.6 MW, while flow from Visayas to Luzon occurred 63.74% of the time, averaging at 196.4 MW. Flow from Mindanao to Visayas was observed 97.47% of the time, averaging at 345.7 MW, while flow from Visayas to Mindanao occurred 2.53% of the time, averaging at 31.8 MW.
- In Luzon, the Upward and Downward Regulation and Dispatchable reserve requirements were met 100% of the time, while the Contingency reserve requirements were met 92.21% of the time. In the Visayas and Mindanao regions, all types of reserve requirements were met 100% of the time.

Energy Offer Pattern Analysis

- Luzon
- Battery Energy Storage System recorded a decrease in offered capacity on 09 Apr due to an outage.
 - Biofuel plants recorded a dip in nominated capacities on 07 Apr due to an outage, with a further decrease from 09 to 11 Apr due to another outage.
 - Coal plants recorded a decrease in offered capacities from 09 Apr until the end of the week due to outages, with an average utilization rate of 82.26% for the week, peaking at 86.42% on 10 Apr and falling to 75.14% on 12 Apr.
 - Geothermal plants recorded a dip in nominated capacities on 07 April due to outages.
 - Hydro plants experienced variations in offered capacities throughout the week due to outages and resource constraints.
 - Natural gas plants experienced variations in offered capacities from 06 to 07 Apr and on 11 Apr due to outages and the conduct of liquid fuel commissioning.
 - Solar plants recorded higher effective supply compared to their nominated capacities throughout the week due to commissioning activities imposed with overriding constraints by the SO for new and newly rehabilitated plants. Wind plants likewise showed similar pattern on 08 Apr.
- Visayas
- Battery Energy Storage System recorded a dip in offered capacity on 11 Apr due to an outage.
 - Biofuel plants experienced variations in nominated capacities throughout the week due to outages and resource constraints.
 - Coal plants recorded higher offered capacities compared to the previous week due to resumption of plant from outage, with an average utilization rate of 85.50% for the week, peaking at 92.26% on 10 Apr and falling to 68.41% on 12 Apr.
 - Geothermal plants recorded a decrease in offered capacities on 09 Apr due to an outage.
 - Hydro plants experienced variations in nominated capacities throughout the week due to outages and resource constraints.
 - Oil plants recorded dips in offered capacities on 06, 07, 08 and 10 Apr due to outages.
 - Solar and Wind plants recorded higher effective supply compared to their nominated capacities throughout the week due to commissioning activities imposed with overriding constraints by the SO for new and newly rehabilitated plants.
- Mindanao
- Battery Energy Storage System recorded a dip in offered capacity on 12 Apr due to an outage.
 - Biofuel plants recorded a dip in nominated capacities on 07 Apr due to an outage, with a further decrease from 09 to 10 Apr due to outages.
 - Coal Plants showed decreases in offered capacities on 07 and 08 Apr due to commissioning activities imposed with overriding constraints by the SO and starting 10 Apr onwards due to outages, with an average utilization rate of 85.12% for the week, peaking at 88.20% on 07 Apr and falling to 78.48% on 12 Apr.
 - Hydro plants experienced variations in offered capacities due to resource constraints and outages.
 - Oil plants recorded a decrease in offered capacities on 12 Apr due to outages.

IEMOP Market Systems Advisory

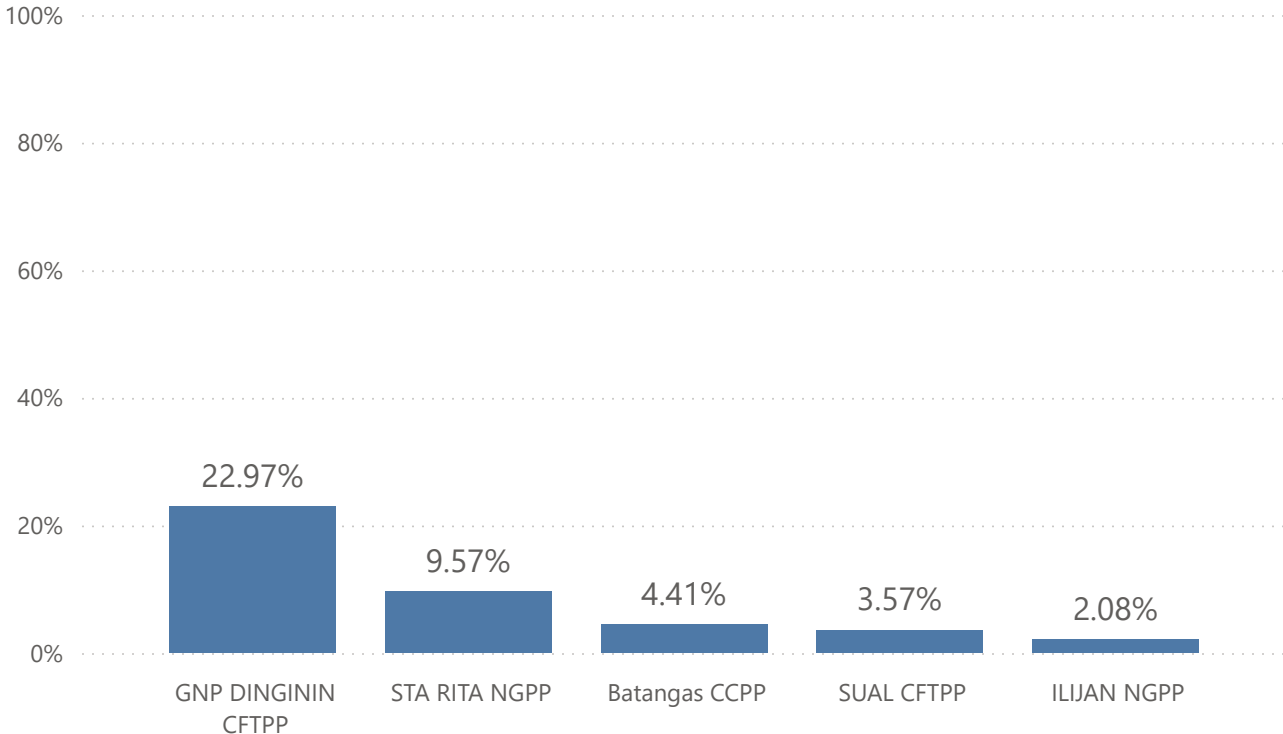
- Market Suspension was issued in all regions following the declaration of State of National Energy Emergency and prioritization of fuel in the power sector to mitigate rising global fuel prices and supply disruption starting from 0005H of 26 Mar, this is still in effect until a Notice of Market Resumption is issued by the ERC.



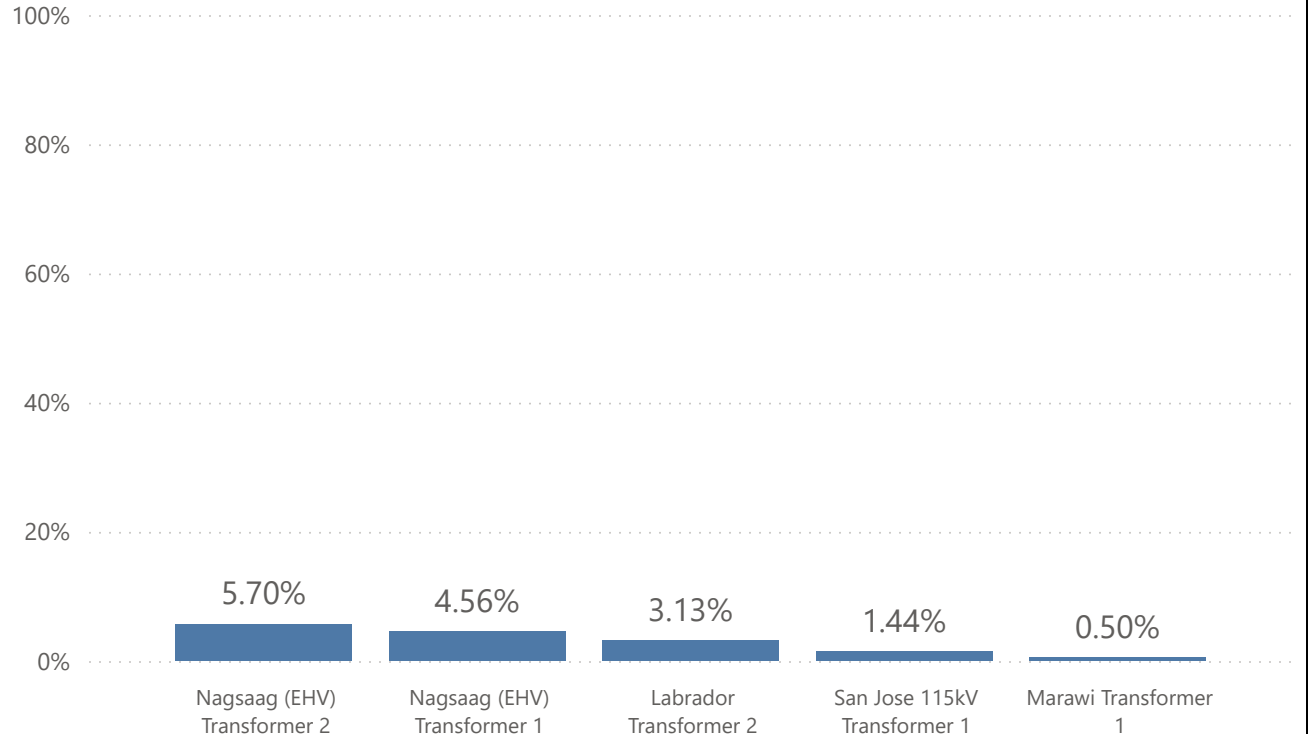
SUMMARY OF AVERAGE VALUES

Particulars	06 - 12 Apr 2026	30 Mar - 05 Apr 2026	% Change
GENERATOR WEIGHTED AVERAGE PRICE (Php/MWh)			
System	5,053	5,308	-4.81%
Luzon	4,937	5,217	-5.37%
Visayas	5,059	5,447	-7.12%
Mindanao	5,532	5,563	-0.55%
EFFECTIVE SUPPLY (MW)			
Luzon	13,143	11,603	13.27%
Visayas	2,382	2,265	5.15%
Mindanao	3,309	3,089	7.12%
DEMAND (MW)			
Luzon	10,801	9,243	16.85%
Visayas	2,037	1,837	10.92%
Mindanao	2,180	2,015	8.19%
OUTAGE (MW)			
Luzon	1,849	2,948	-37.28%
Visayas	479	592	-19.09%
Mindanao	215	221	-2.48%
REGULATING UP PRICE (Php/MWh)			
Luzon	195	1,547	-87.37%
Visayas	5,140	17,991	-71.43%
Mindanao	445	3,641	-87.78%
REGULATING DOWN PRICE (Php/MWh)			
Luzon	410	1,507	-72.81%
Visayas	6,745	18,868	-64.25%
Mindanao	193	3,538	-94.54%
CONTINGENCY RESERVE PRICE (Php/MWh)			
Luzon	6,890	8,418	-18.15%
Visayas	5,290	17,719	-70.15%
Mindanao	5,876	4,128	42.34%
DISPATCHABLE RESERVE PRICE (Php/MWh)			
Luzon	1,225	1,201	2.00%
Visayas	403	524	-23.09%
Mindanao	7	11	-36.36%

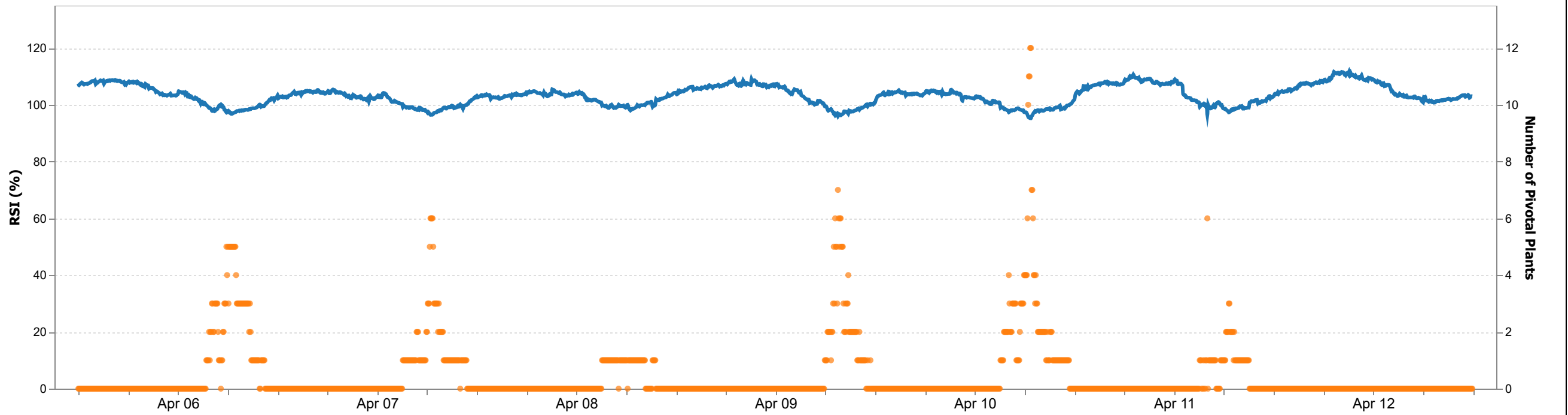
Top Pivotal Plants



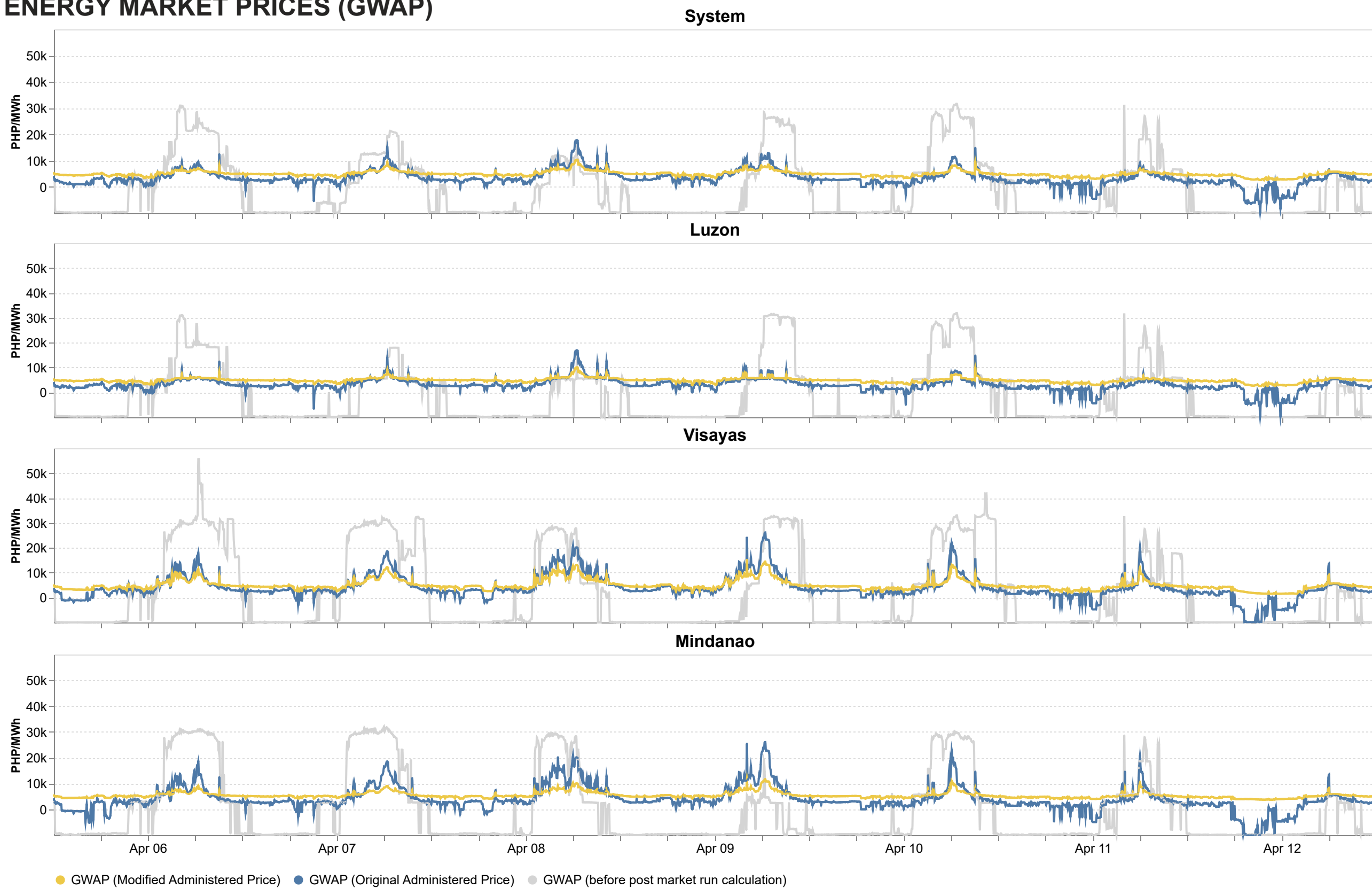
RTD Congestion



Market RSI vs Pivotal Plants

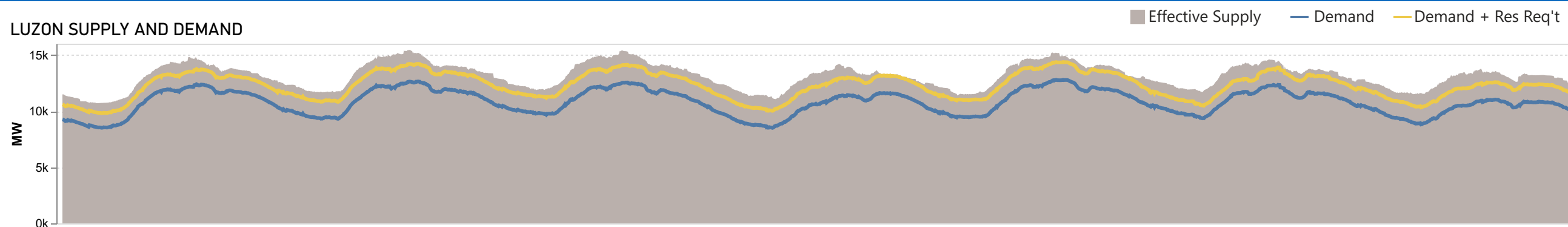


ENERGY MARKET PRICES (GWAP)

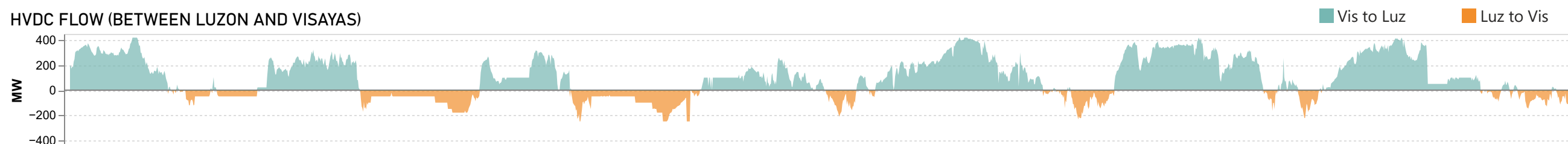


The charts show the market prices by region based on generator weighted average price (GWAP). Prices are subject to the finalization of settlement data.

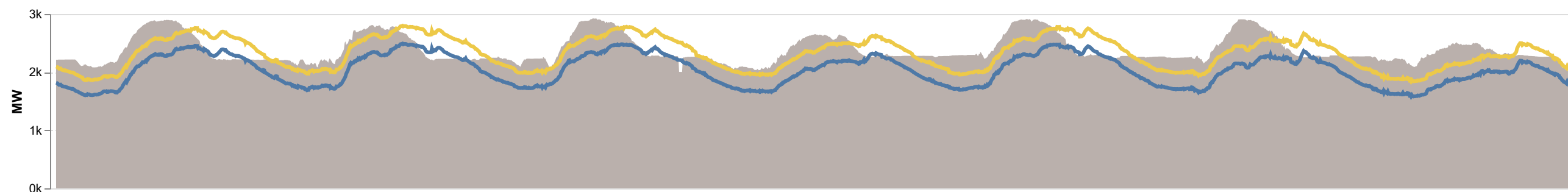
LUZON SUPPLY AND DEMAND



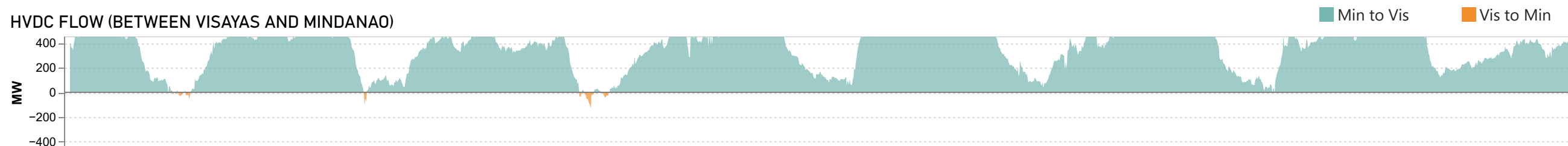
HVDC FLOW (BETWEEN LUZON AND VISAYAS)



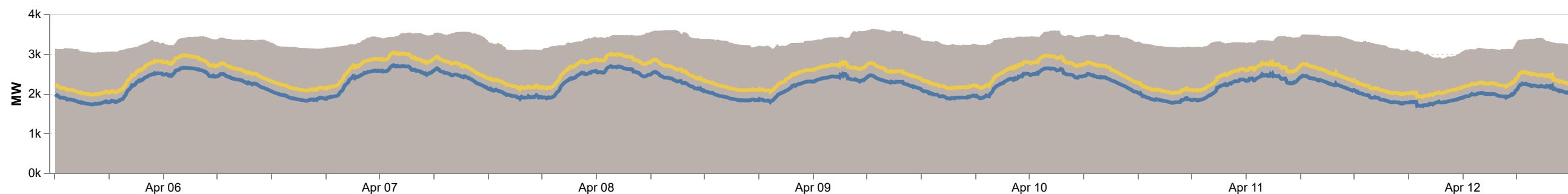
VISAYAS SUPPLY AND DEMAND



HVDC FLOW (BETWEEN VISAYAS AND MINDANAO)

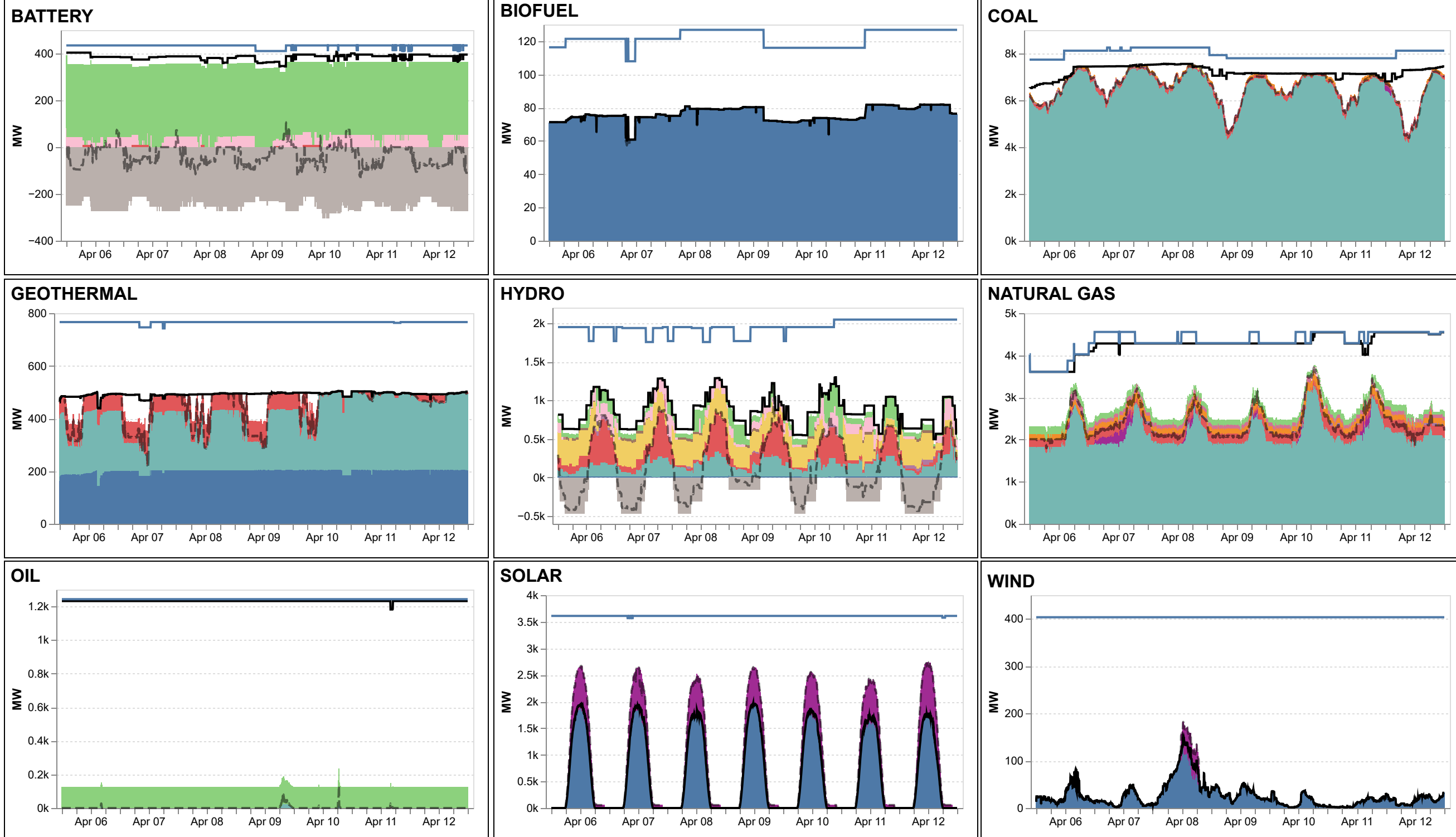


MINDANAO SUPPLY AND DEMAND



The charts show the aggregated supply and demand in each region and the scheduled power flow from/to a particular region via HVDC links.

ENERGY OFFER PATTERN - LUZON



Offer Price Range

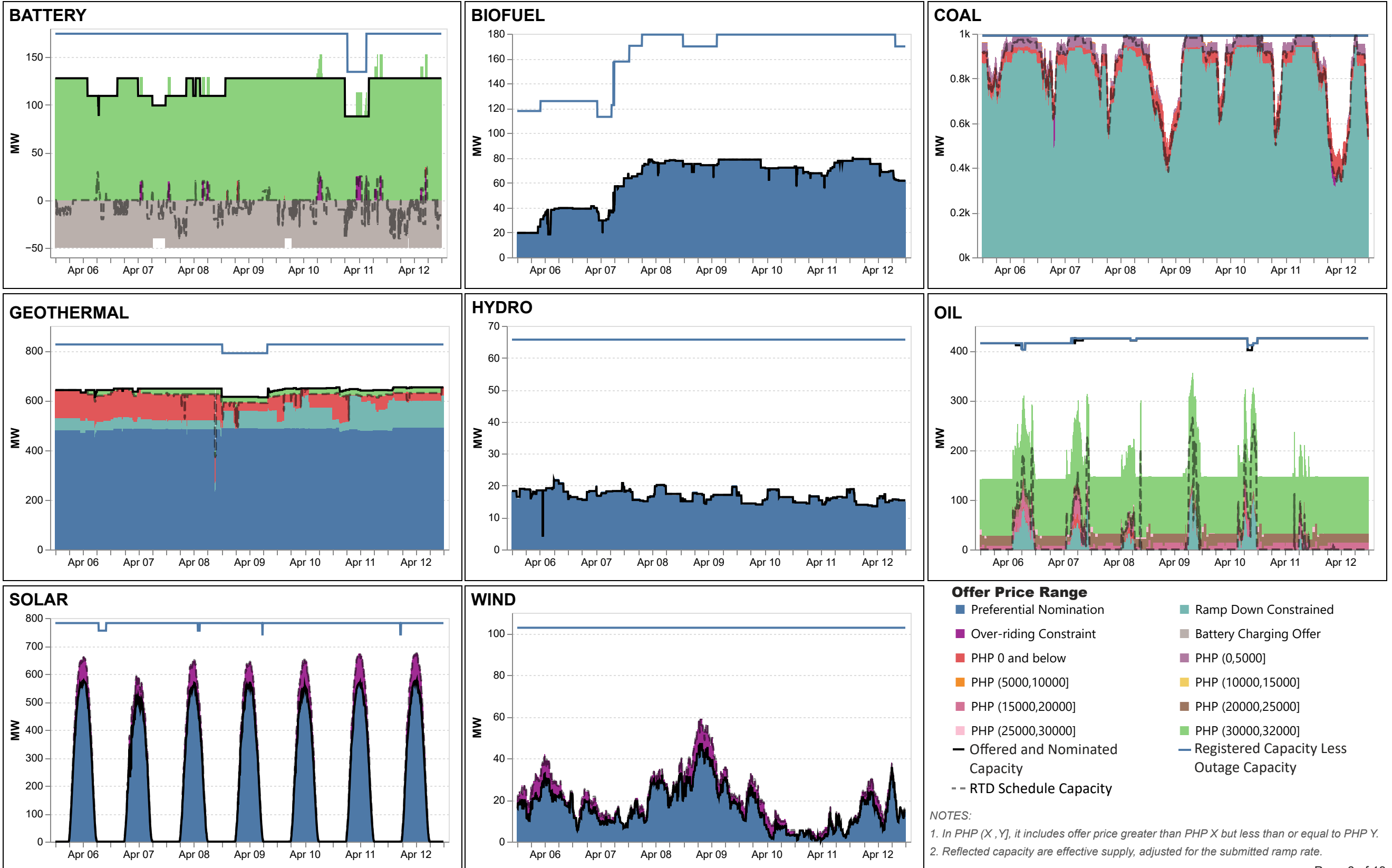
- Preferential Nomination
- PHP (0,5000]
- PHP (5000,10000]
- PHP (10000,15000]
- PHP (15000,20000]
- PHP (20000,25000]
- PHP (25000,30000]
- PHP (30000,32000]

Other Constraints and Capacity

- Ramp Down Constrained
- Over-riding Constraint
- Battery Charging Offer/Pumping Nomination
- Offered and Nominated Capacity
- Registered Capacity Less Outage Capacity
- PHP 0 and below
- PHP (20000,25000]
- RTD Schedule Capacity

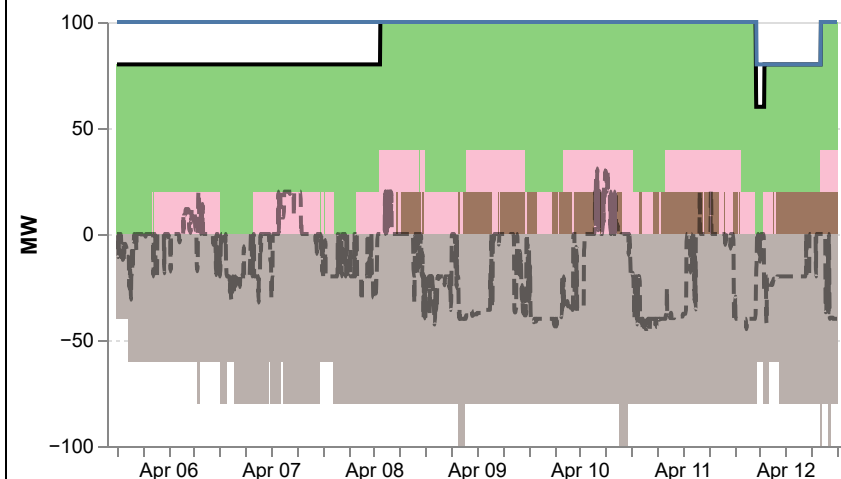
NOTES: 1. In PHP (X,Y], it includes offer price greater than PHP X but less than or equal to PHP Y. 2. Reflected capacity are effective supply, adjusted for the submitted ramp rate.

ENERGY OFFER PATTERN - VISAYAS

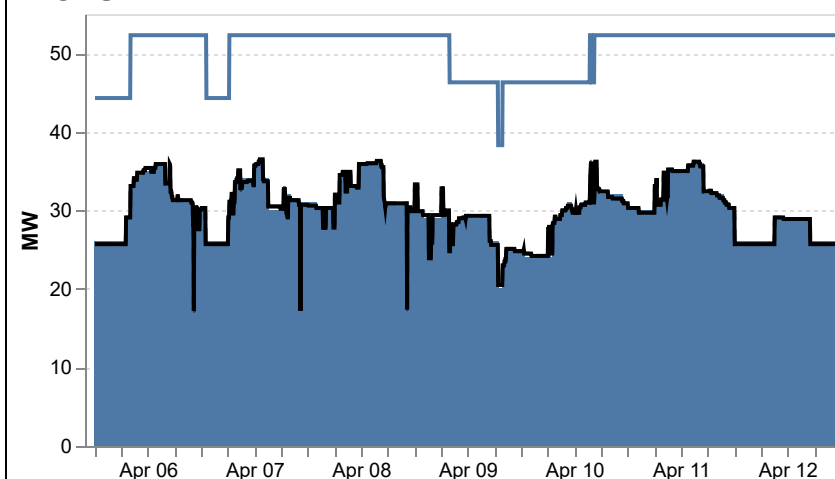


ENERGY OFFER PATTERN - MINDANAO

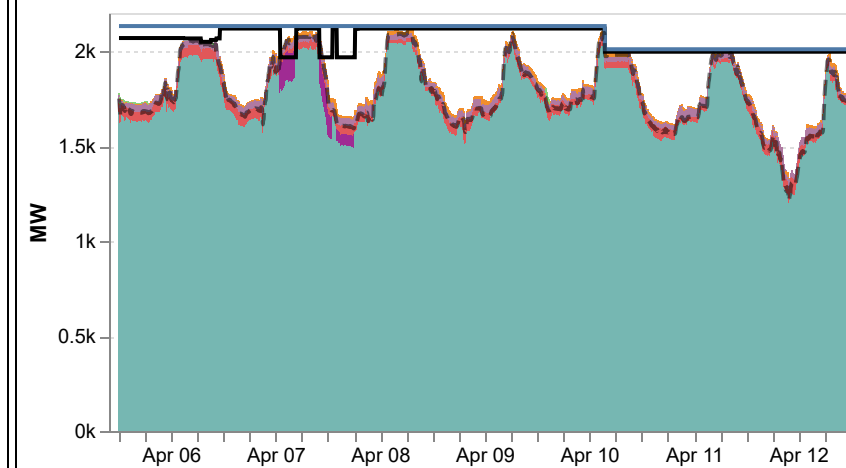
BATTERY



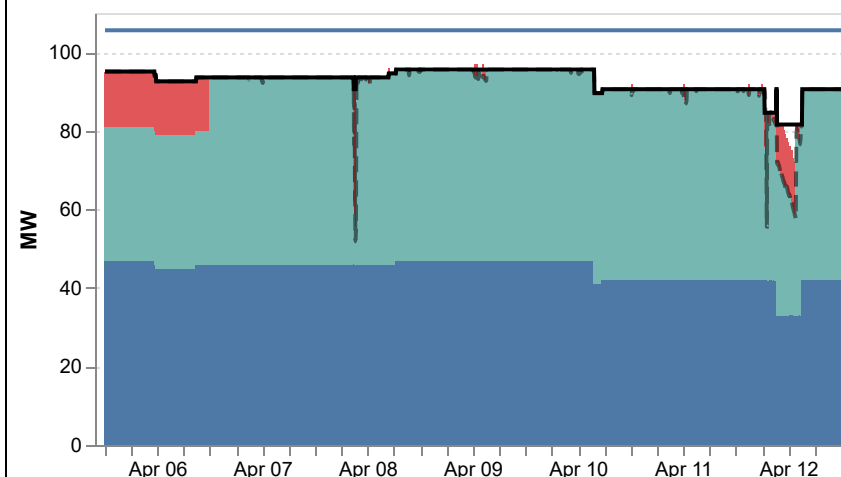
BIOFUEL



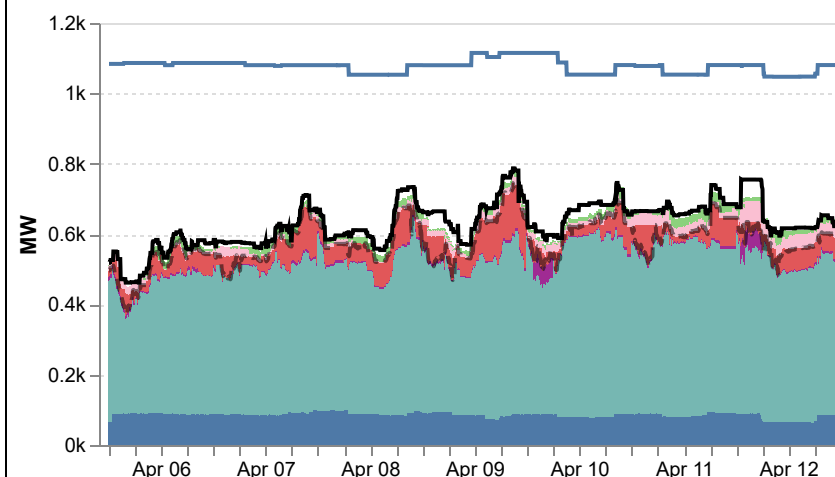
COAL



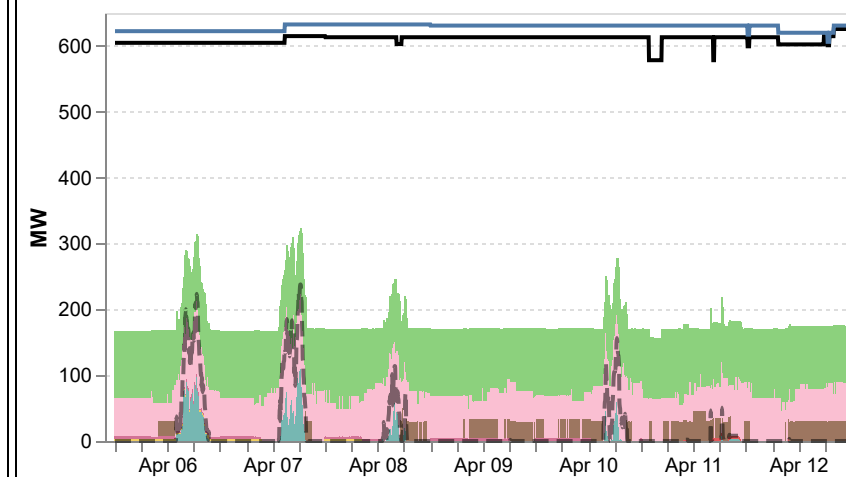
GEOTHERMAL



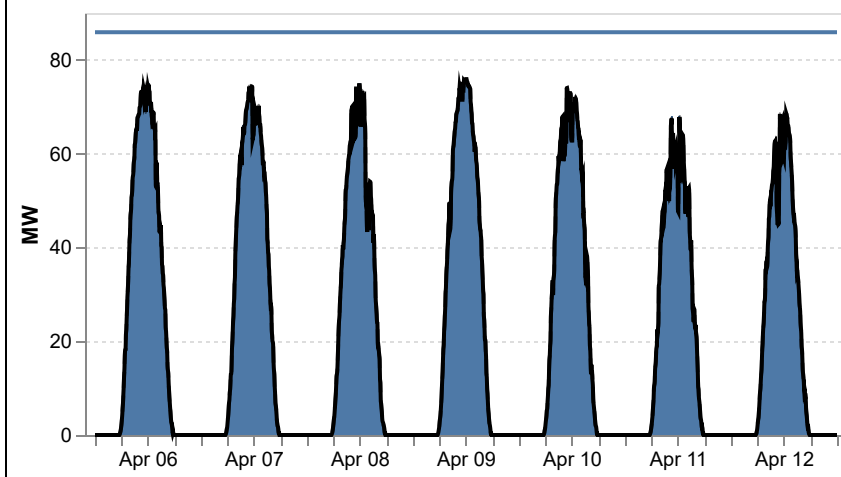
HYDRO



OIL



SOLAR



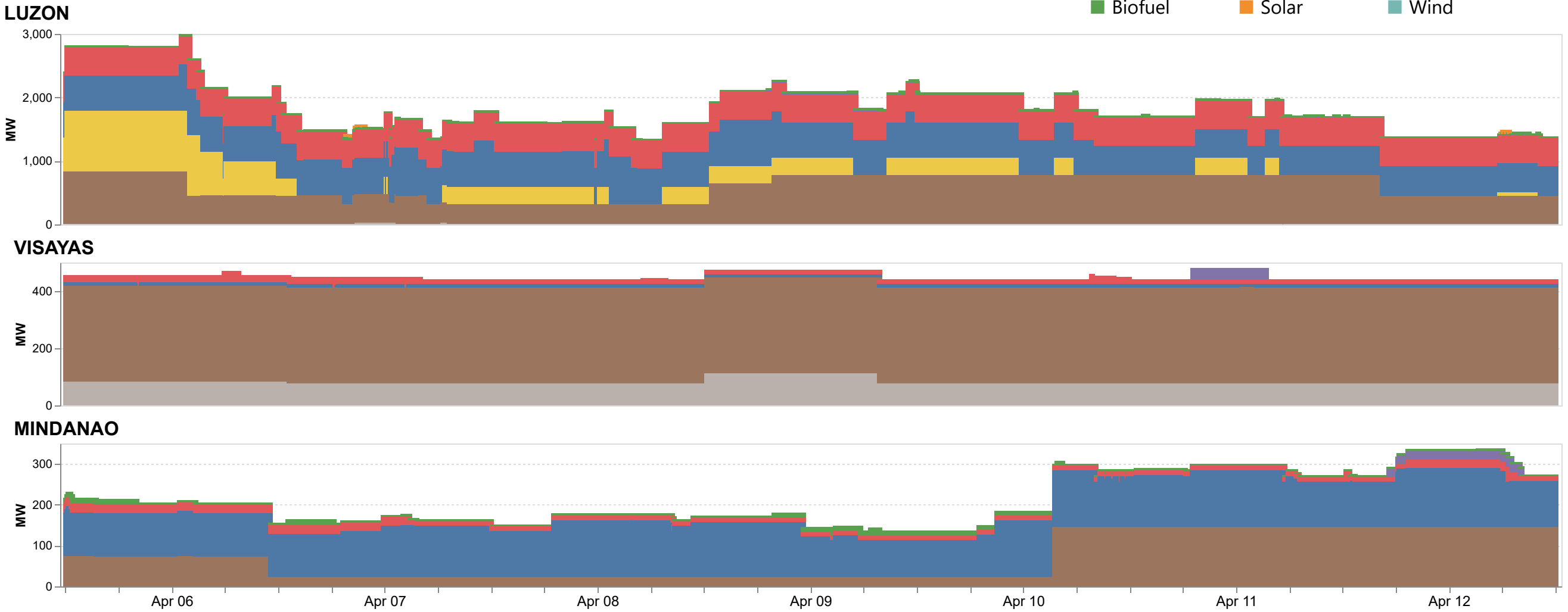
Offer Price Range

■ Preferential Nomination	■ Ramp Down Constrained	■ Over-riding Constraint	■ Battery Charging Offer	■ PHP 0 and below
■ PHP (0,5000]	■ PHP (5000,10000]	■ PHP (10000,15000]	■ PHP (15000,20000]	■ PHP (20000,25000]
■ PHP (25000,30000]	■ PHP (30000,32000]	— Offered and Nominated Capacity	— Registered Capacity Less Outage Capacity	— RTD Schedule Capacity

NOTES:

1. In PHP (X,Y], it includes offer price greater than PHP X but less than or equal to PHP Y
2. Reflected capacity are effective supply, adjusted for the submitted ramp rate.

CAPACITIES ON OUTAGE PER PLANT TYPE



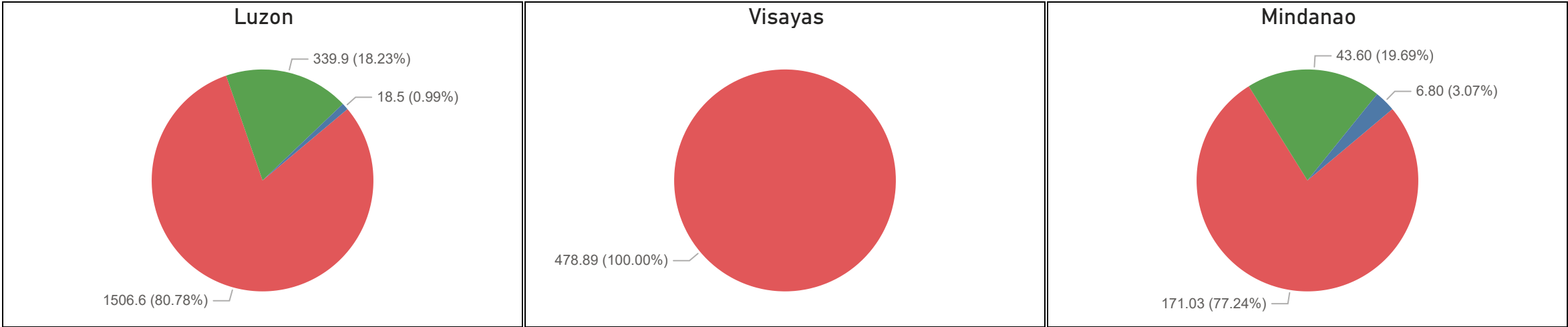
CAPACITIES ON OUTAGE PER CATEGORY (MW)

Forced

Planned

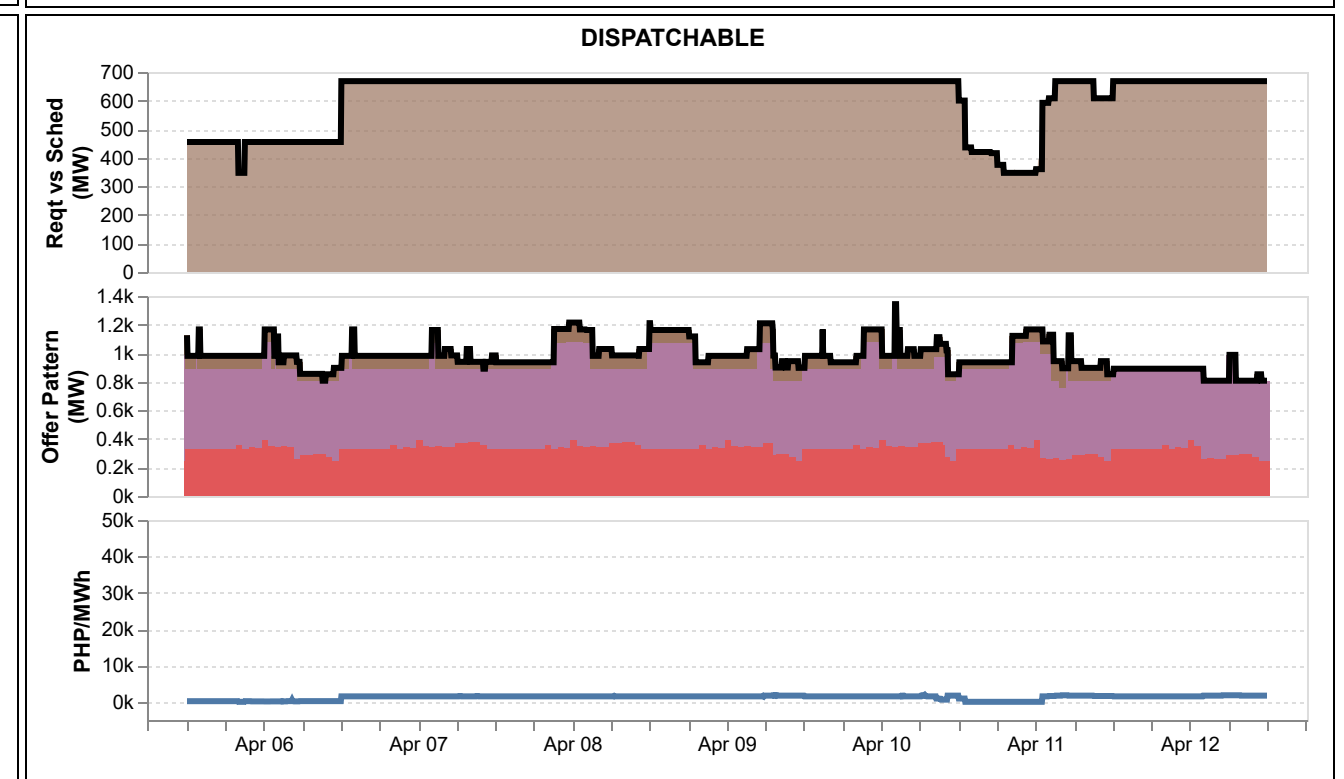
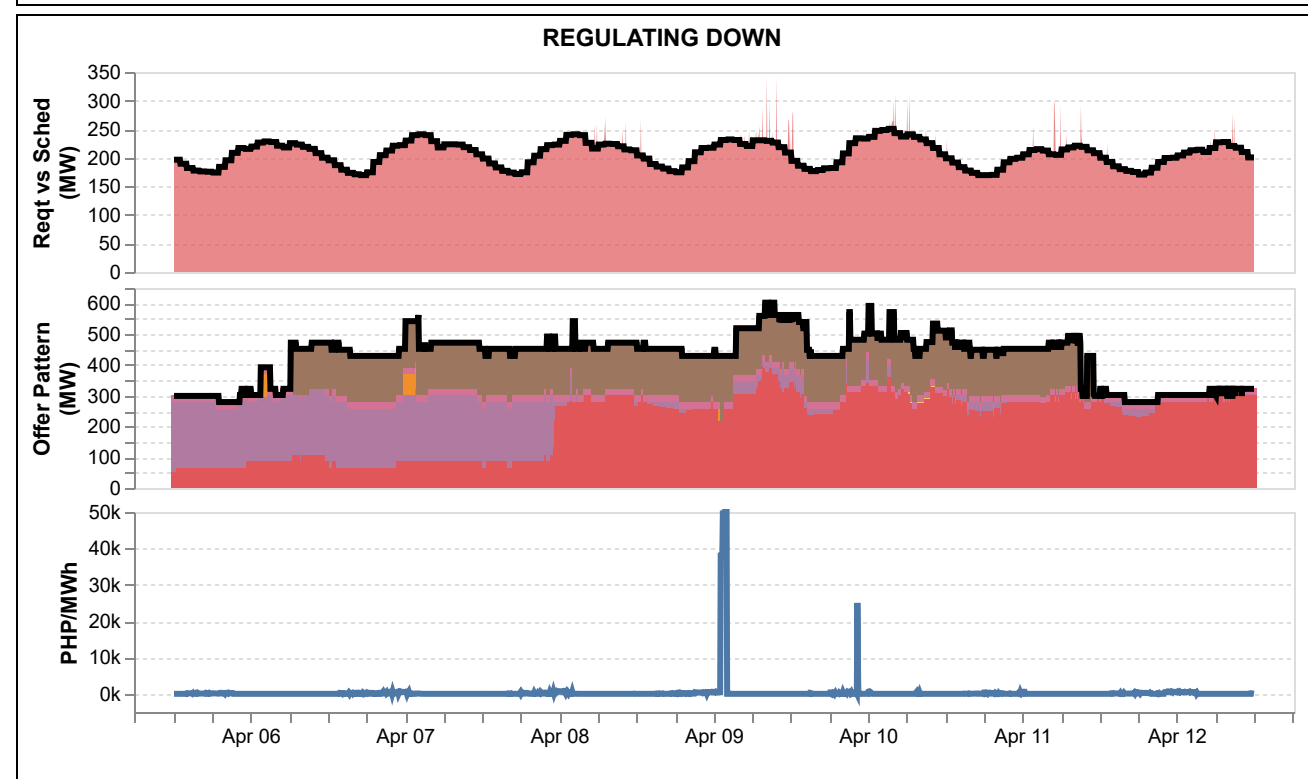
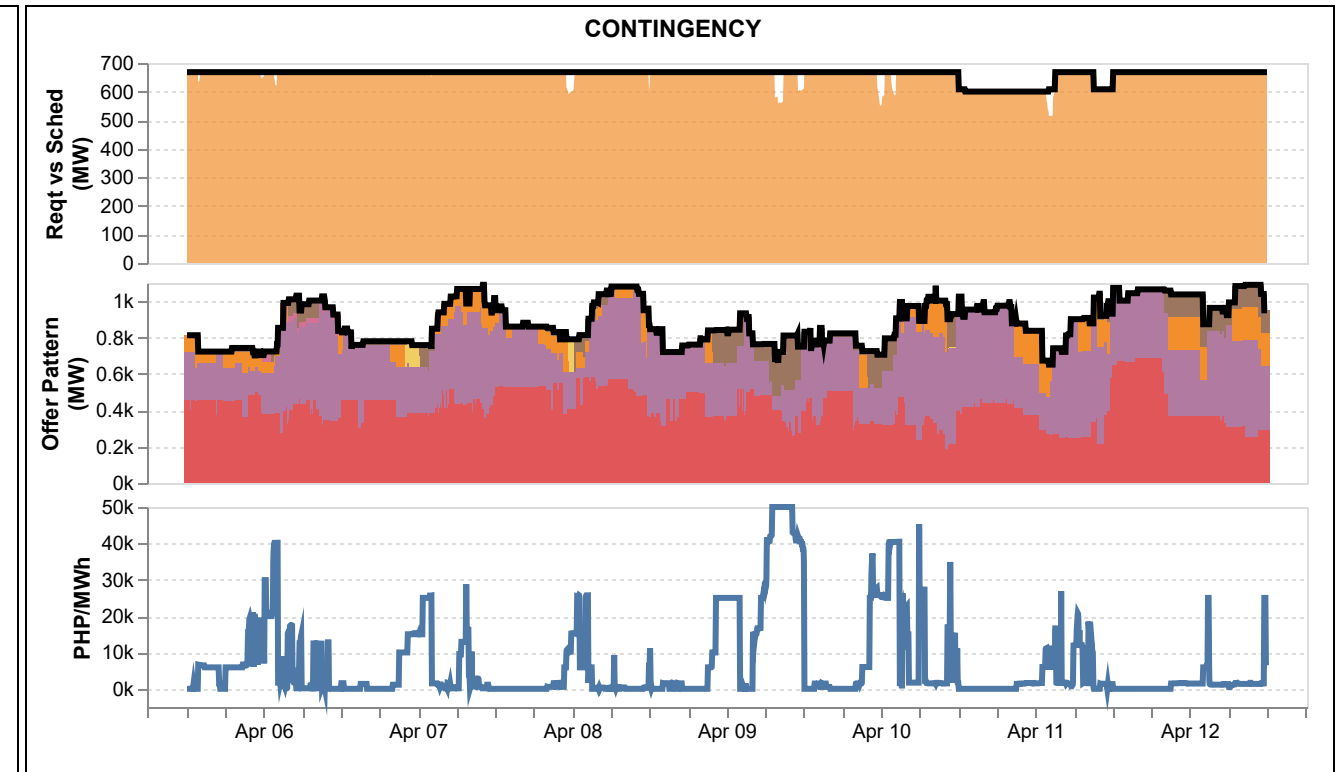
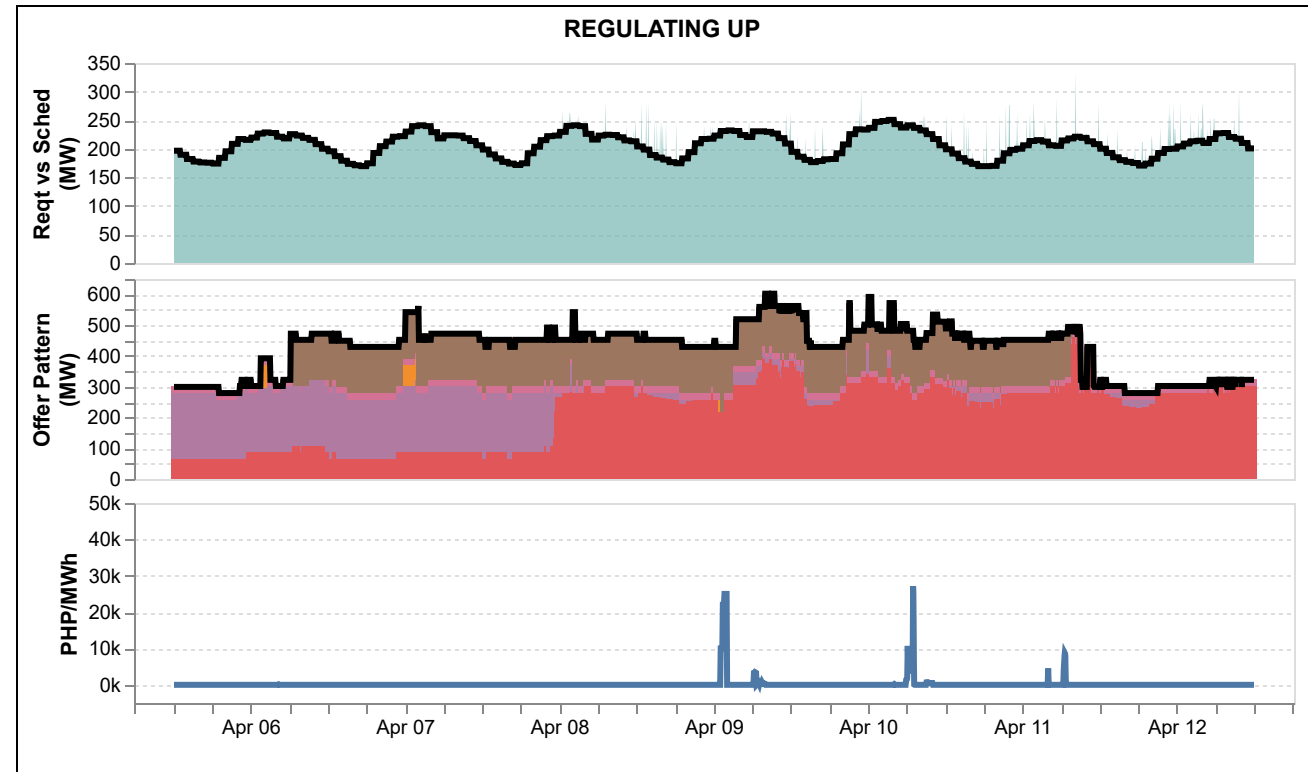
Maintenance

Deactivated Shutdown



RESERVE MARKET DATA - LUZON

All reserve prices will be capped at price offer cap as per ERC NOR - Case No. 2023-002 RC - PDM Section 2.2.1.4



Reqt vs Sched Legends

- Reserve Requirement
- RU Schedule
- RD Schedule
- FR Schedule
- DR Schedule

Price Offer Range

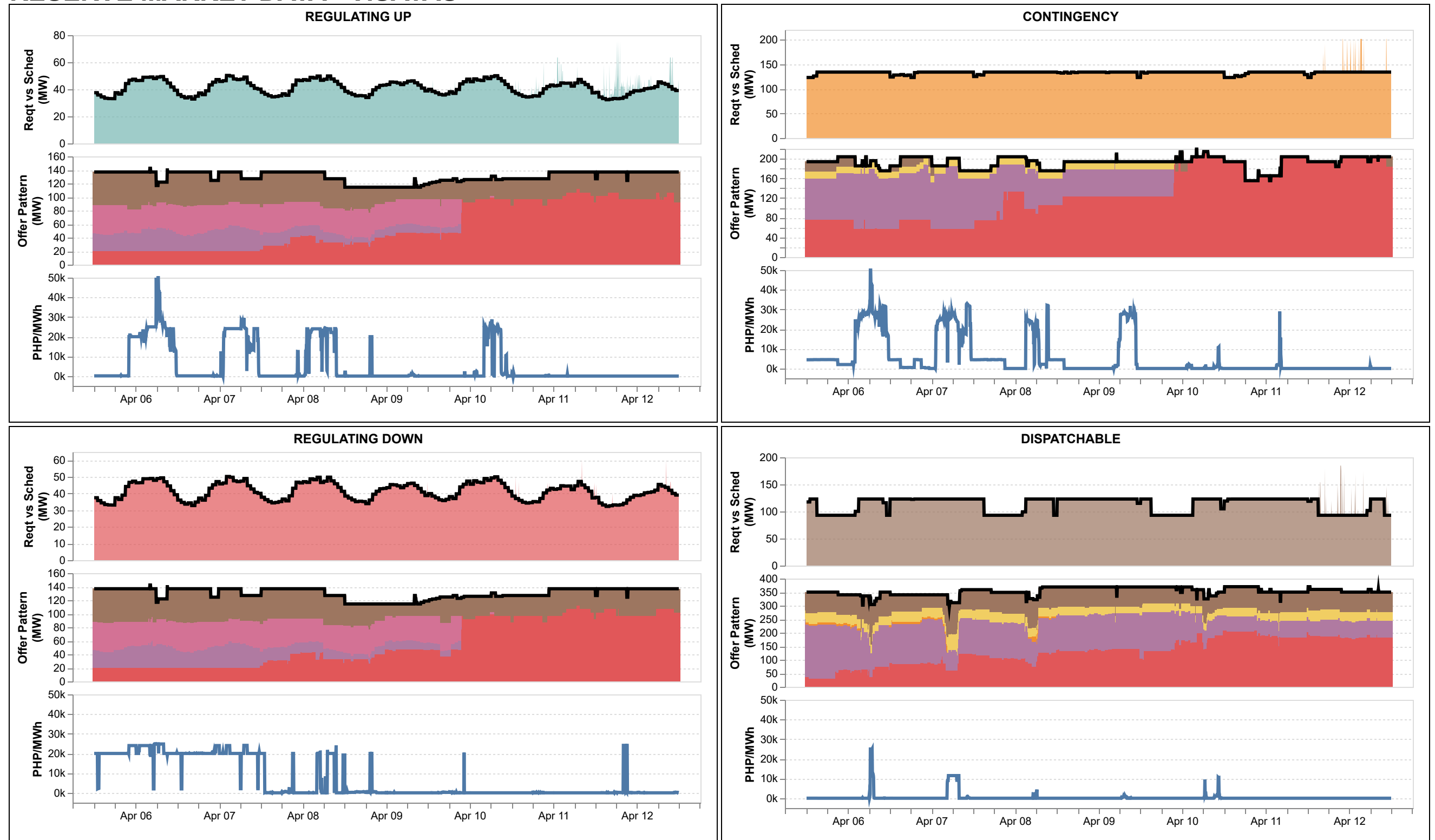
- NOTES: 1. In PHP (X,Y), it includes offer price greater than PHP X but less than or equal to PHP Y.
- PHP 0
 - PHP (0,5000]
 - PHP (5000,10000]
 - PHP (10000,15000]
 - PHP (15000,20000]
 - PHP (20000,25000]

Price (PHP/MWh)

- Reserve Market Price
- Offered Capacity

RESERVE MARKET DATA - VISAYAS

All reserve prices will be capped at price offer cap as per ERC NOR - Case No. 2023-002 RC - PDM Section 2.2.1.4



Req't vs Sched Legends

■ Reserve Requirement
■ RU Schedule
■ RD Schedule
■ FR Schedule
■ DR Schedule

Price Offer Range

■ PHP 0
■ PHP (0,5000]
■ PHP (15000,20000]
■ PHP (20000,25000]

NOTES: 1. In PHP (X,Y], it includes offer price greater than PHP X but less than or equal to PHP Y.

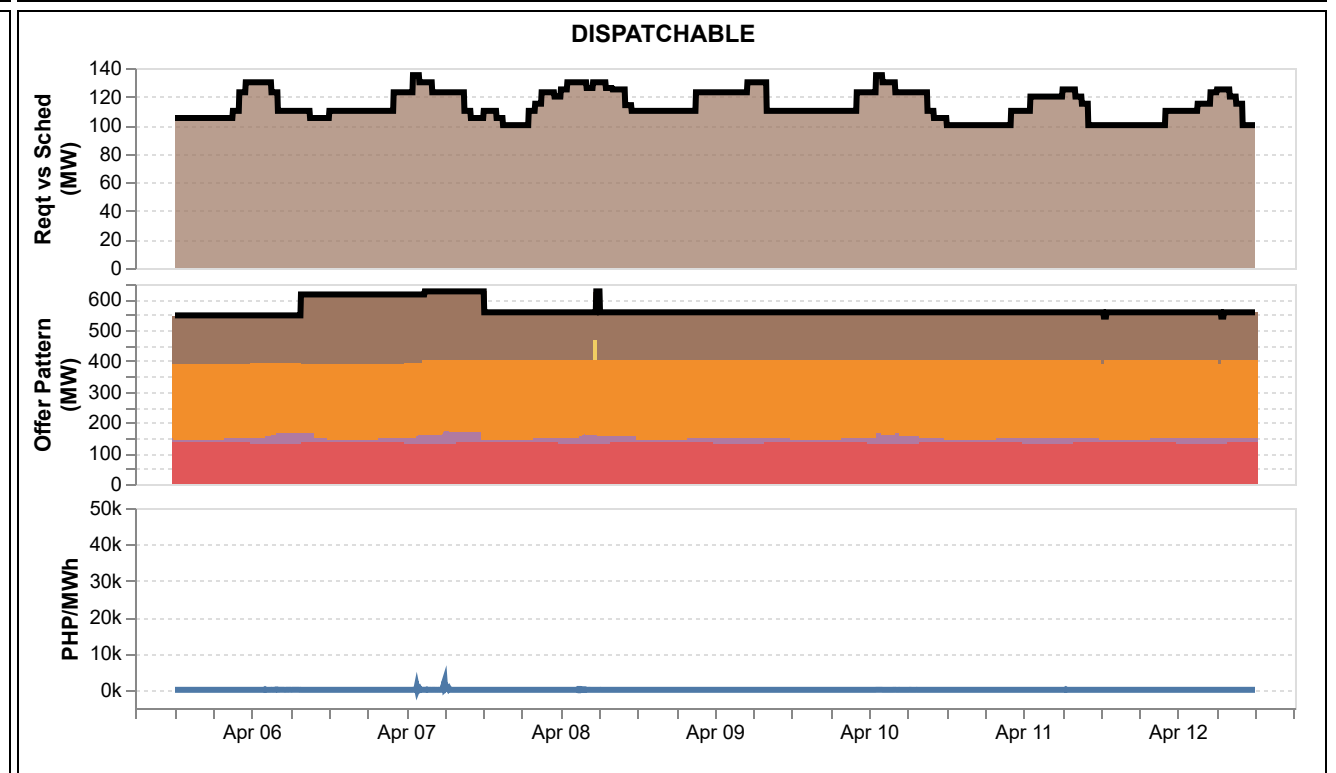
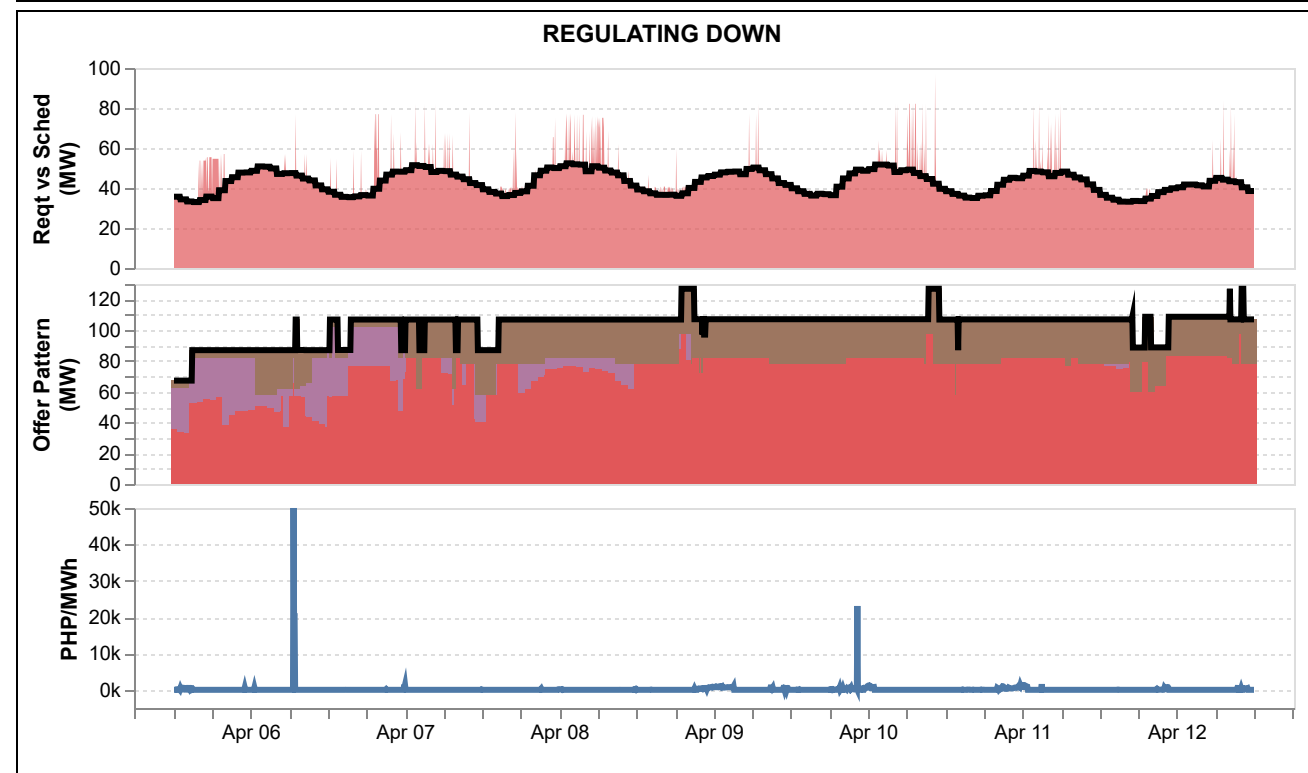
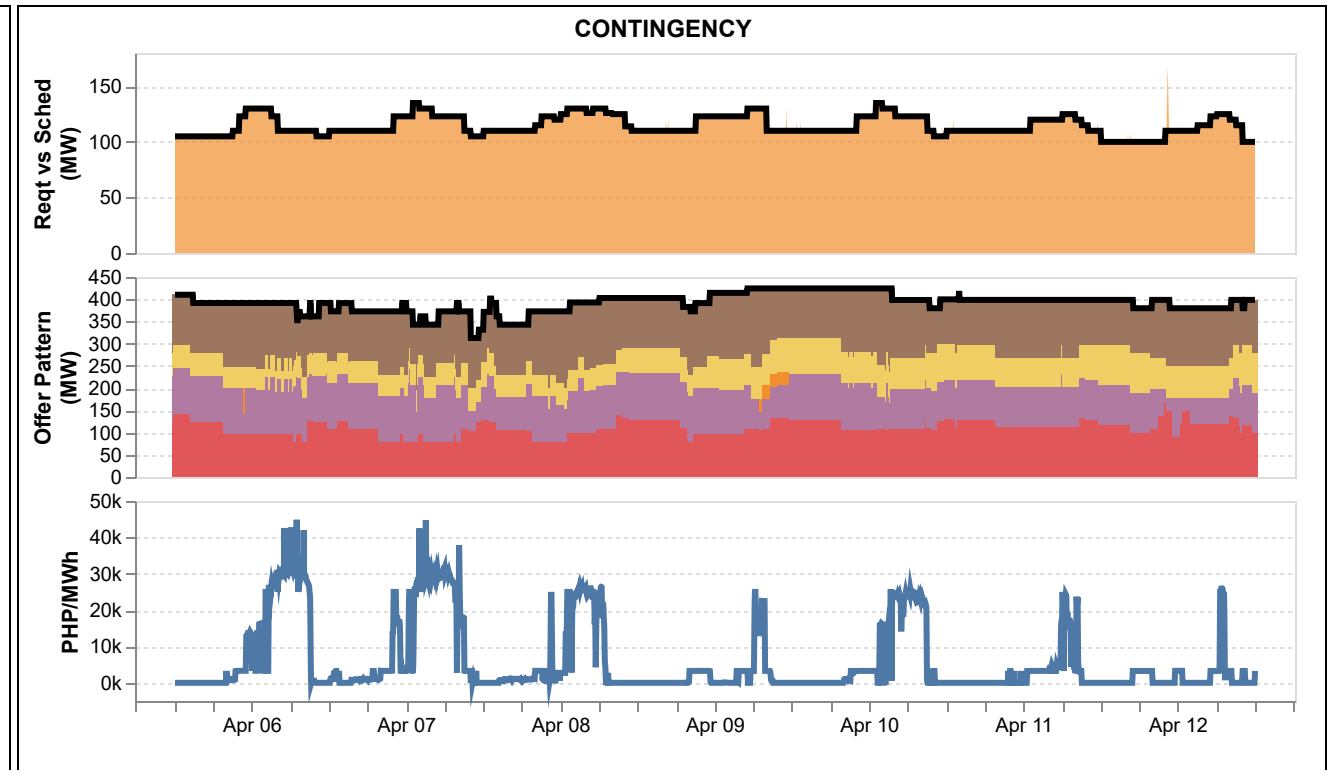
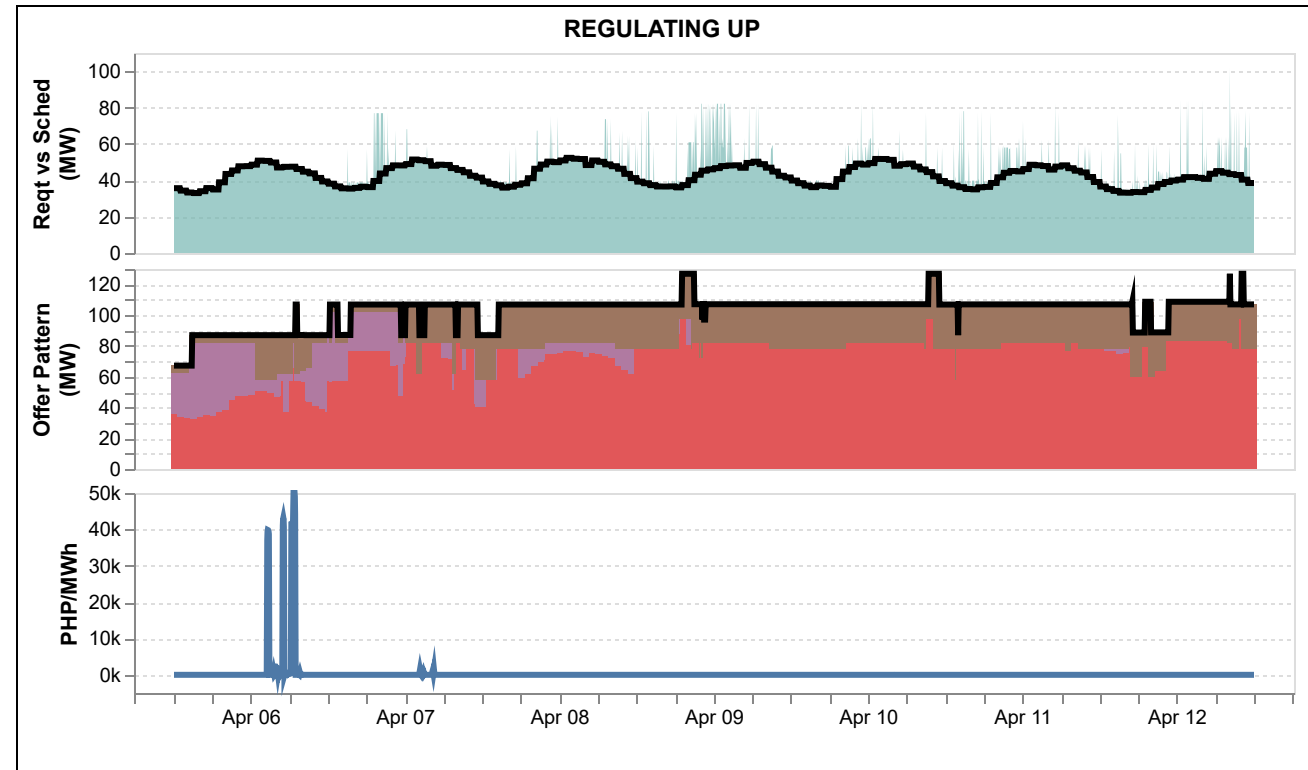
Price (PHP/MWh)

■ PHP (5000,10000]
■ PHP (10000,15000]
■ Reserve Market Price

■ Offered Capacity

RESERVE MARKET DATA - MINDANAO

All reserve prices will be capped at price offer cap as per ERC NOR - Case No. 2023-002 RC - PDM Section 2.2.1.4



Reqt vs Sched Legends

- Reserve Requirement
- RU Schedule
- RD Schedule
- FR Schedule
- DR Schedule

Price Offer Range

NOTES: 1. In PHP (X,Y), it includes offer price greater than PHP X but less than or equal to PHP Y.

- PHP 0
- PHP (0,5000]
- PHP (5000,10000]
- PHP (10000,15000]
- PHP (15000,20000]
- PHP (20000,25000]
- Offered Capacity

Price (PHP/MWh)

- Reserve Market Price

GLOSSARY OF TERMS

CAPACITY ON OUTAGE

Calculated for each 5-min interval as the sum of the capacity of all generating units on outage, which are further distinguished by plant type and category. The generating unit/s on outage and categories of outage are based on the SO's daily operations report. Cited below are the outage categories as defined in ERC Resolution No. 21, Series of 2016.

- Deactivated Shutdown* - refers to a condition where a generating unit is unavailable for service for an extended period of time for reasons not related to equipment and inactive for more than 60 days.
- Forced Maintenance* - An outage that requires immediate removal of a unit from service, another outage state, or a reserve shutdown state.
- Maintenance* - An outage that does not require immediate removal from the In-Service state but requires a Unit to be removed from the available state before the next planned outage. This is scheduled at least seven (7) days in advance.
- Planned* - The state in which a Unit is unavailable due to inspection, testing, preventive maintenance or overhaul. A Planned Outage is scheduled with a pre-determined duration and is coordinated with the System Operator. The Planned Outage of a Unit shall be reflected in the Grid Operating and Management Program (GOMP).

DEMAND

Calculated for each 5-minute trading interval as the sum of the real time dispatch (RTD) schedule of all load resources plus losses.

EFFECTIVE SUPPLY

Calculated for each 5-minute trading interval as the sum of the offered capacity of all scheduled generators considering their offered ramp up rates, nominated loading level of nonscheduled generators and projected output of preferential dispatch generators, adjusted for any over-riding constraints imposed by the System Operator (SO), and reserve offers. Output of generators on testing and commissioning were considered based on the over-riding constraints imposed by the SO.

HERFINDAHL-HIRSCHMAN INDEX (HHI)

It is a commonly accepted measure of market concentration that takes into account the relative size and distribution of participants in the market. The HHI is a number between 0 and 10,000, which is calculated as the sum of squares of the participant's market share. The HHI approaches zero when the market has very large number of participants with each having a relatively small market share. In contrary, the HHI increases as the number of participants in the market decreases, and the disparity in the market shares among the participants increases. The following are the widely used HHI screening numbers: (1) less than 1,000 - not concentrated; (2) 1,000 to 1,800 - moderately concentrated; and (3) greater than 1,800 - highly concentrated.

MARKET RESIDUAL SUPPLY INDEX (Market RSI)

The RSI is a dynamic continuous index measured as ratio of the available generation without a generator to the total generation required to supply the demand. The RSI is measured for each generator. The greater the RSI of a generator, the less will be its potential ability to exercise market power and manipulate prices, as there will be sufficient capacity from the other generators. In contrary, the lower the RSI, the greater the market power of a generator (and its potential benefit of exercising market power), as the market is strongly dependent on its availability to be able to fully supply the demand. In particular, a RSI greater than 100% for a generator means that the remaining generators can cover the demand, and in principle that generator cannot manipulate market price. On the other hand, a RSI less than 100% means that the generator is pivotal in supplying the demand.

The RSI for the whole market (Market RSI) is measured as the lowest RSI among all the generators in the market. A Market RSI less than 100% indicates the presence of pivotal generator/s

MARKET SHARE

The fraction of the total capacity or energy that a company or related group owns or controls in the market.

MAJOR PARTICIPANT GROUP

The grouping of generators by ownership or control.

GLOSSARY OF TERMS

NOMINATED CAPACITY

The available capacity declared by self-scheduled generators.

OFFERED CAPACITY

The available capacity declared by scheduled generators.

PIVOTAL SUPPLIER INDEX (PSI)

The pivotal supplier index is a binary variable (1 for pivotal and 0 for not pivotal) for each generator. The index identifies whether a generator is pivotal in supplying the demand. The PSI is calculated as the percentage of time that a generator is pivotal in a period (i.e. monthly).

POST MARKET RUN CALCULATION

Price adjustment after consideration of different pricing conditions such as AP, SPC, PSM, and PEN.

REGISTERED CAPACITY

The capacity registered by a generator with WESM.

REGISTERED CAPACITY (NET OF OUTAGE)

The capacity registered by a generator with WESM less capacity on outage.

RESERVE CATEGORIES

Regulating (RU and RD) - Readily available and dispatchable generating capacity that is allocated exclusively to correct deviations from the acceptable nominal frequency caused by unpredicted variations in demand or generation output.

Contingency (FR) - Synchronized generation capacity from Qualified Generating Units and Qualified Interruptible Loads allocated to cover the loss or failure of a synchronized generating unit or a transmission element of the power import from a circuit interconnection.

Dispatchable (DR) - Generating Capacity that are readily available for dispatch in order to replenish the Contingency Reserves whenever a generating unit trips or a loss of a single transmission interconnection occurs.

RAMP DOWN CONSTRAINED CAPACITY

Calculated for each 5-minute trading interval as the sum of the offered capacity of all scheduled generators considering their offered ramp down rates

OVER-RIDING CONSTRAINTS CAPACITY

Constraints imposed in the market dispatch optimization model (MDOM) by the Market Operator, at the recommendation of the System Operator, with the intention of over-riding the effect of Trading Participant's offers.

RTD SCHEDULE CAPACITY

Calculated for each 5-minute trading interval as the sum of the RTD capacity, grouped by technology.

DISCLAIMER

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