MONTHLY MONITORING OF OVER-RIDING CONSTRAINTS STATISTICS

JUNE 2025
(26 May to 25 June 2025)

Document Information Classification: Public

PUBLIC

AT A GLANCE

26 May 2025 - 25 June 2025

Total Over-riding Constraints Imposition **70,462** | ▼ **1.17 %** decrease from previous billing period

LUZON
42,500

Solar plants had the highest no. of OC*

Coal plants, on average, had the largest capacities scheduled due to Ancillary Service and Emission Tests

Most OC were due to commissioning test of Solar and Wind plants

VISAYAS
24,767

Hydro plants had the highest no. of OC

Coal plants, on average, had the largest capacities scheduled due to Emission and Grid Compliance Tests

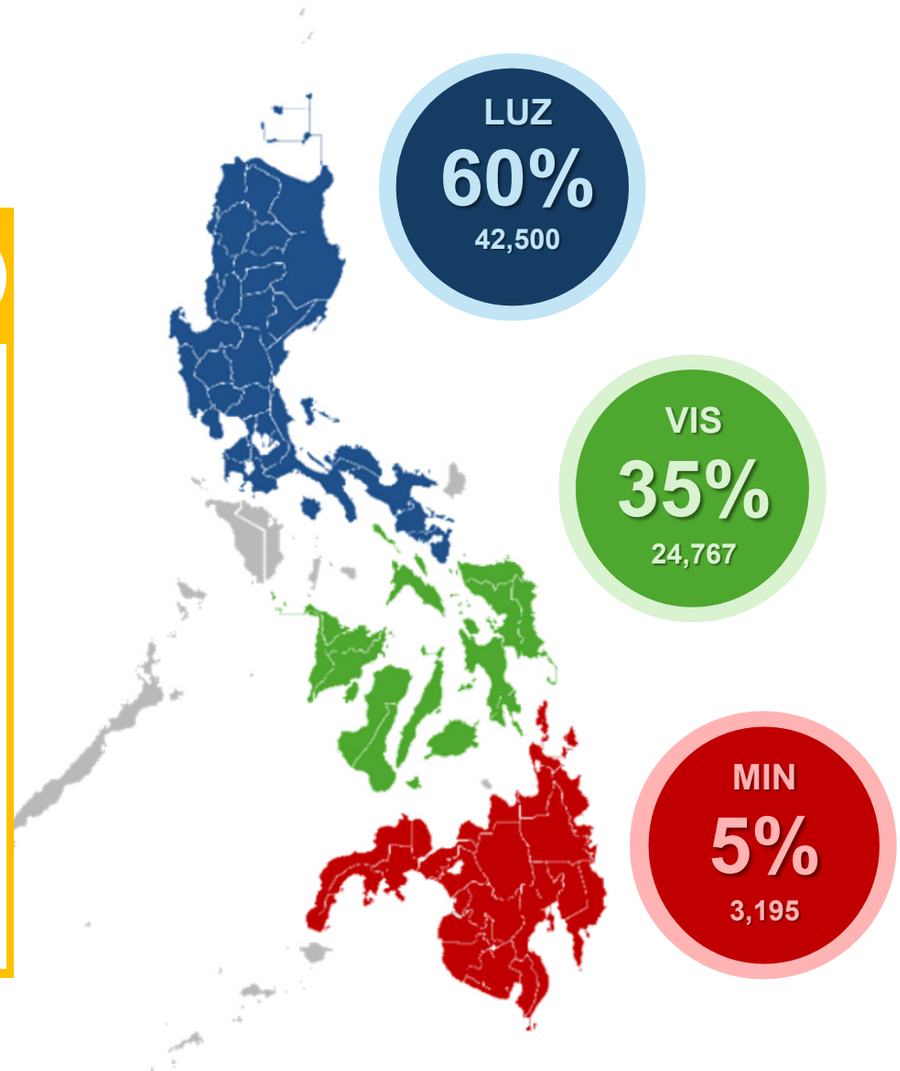
Most OC were due to commissioning test of Wind and Hydro plants

MINDANAO
3,195

Oil-based plants had the highest no. of OC

Coal plants, on average, had the largest capacities scheduled due to Emission Tests

Most OC were due to Emmission Test for Oil-based plants



OC – Over-riding Constraints

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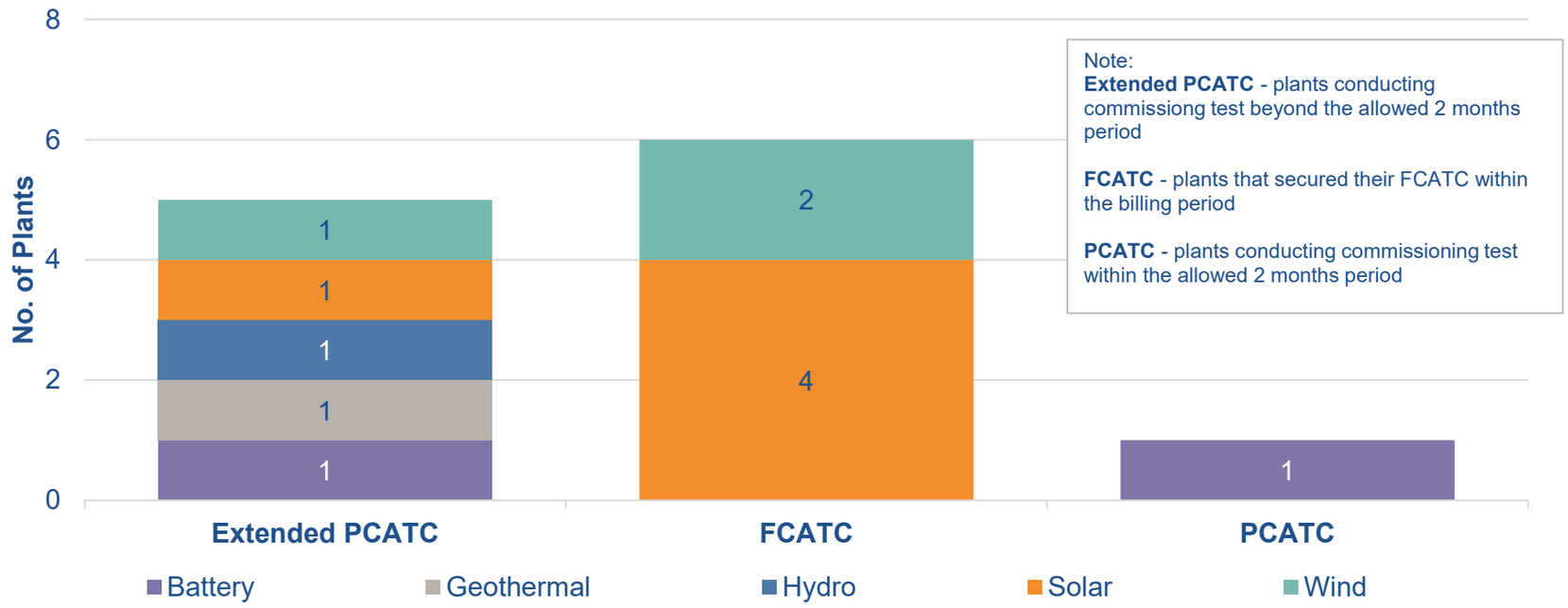
STATUS OF PLANTS UNDER COMMISSIONING TEST

26 May 2025 - 25 June 2025

Philippine Electricity Market Corporation

No. of Plants Under Commissioning Test

12



Ave. no. of days under commissioning test per plant type

Noted no. of extensions for commissioning test period

BESS	GEO	HYDRO	SOLAR	WIND
88	155	289	176	503
2 – Bacman Battery	4 – Tanawon GPP	8 – Upper Taft HEPP	8 – Concepcion 1 Solar	13 – PWEI Nabas Wind

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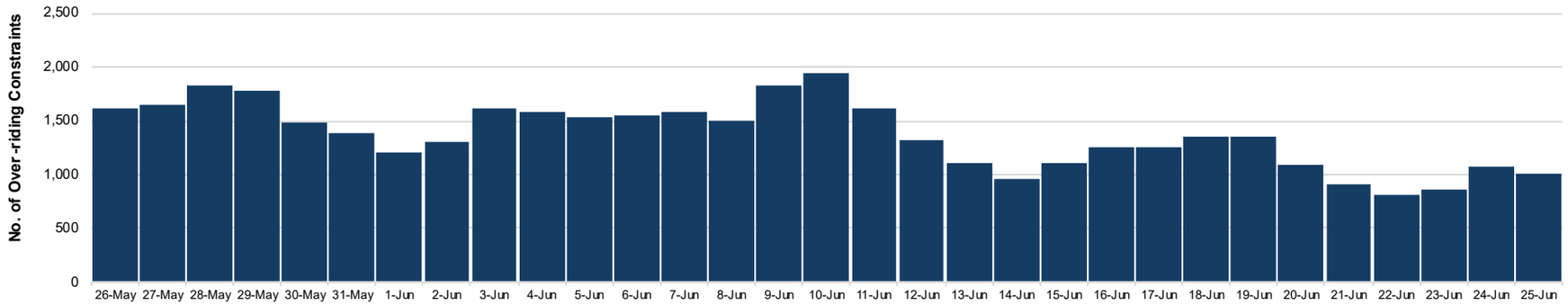
LUZON OVER-RIDING CONSTRAINTS

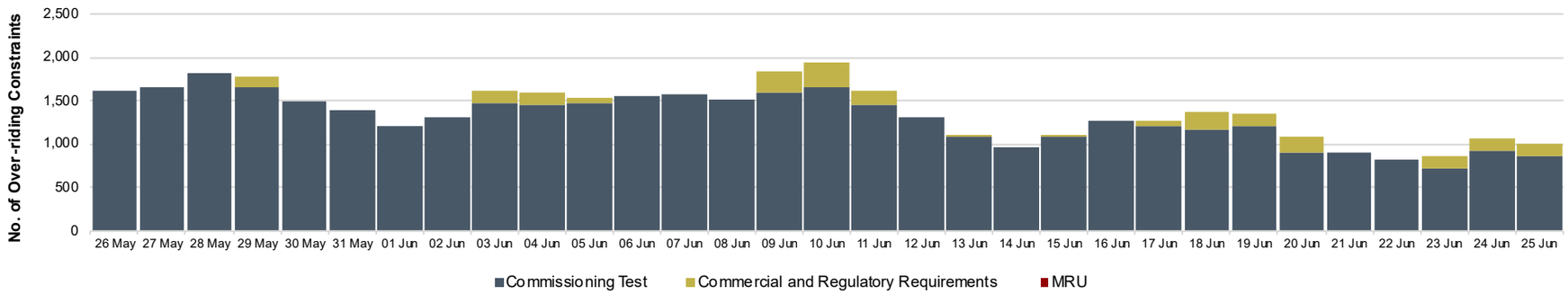
26 May 2025 - 25 June 2025

Philippine Electricity Market Corporation



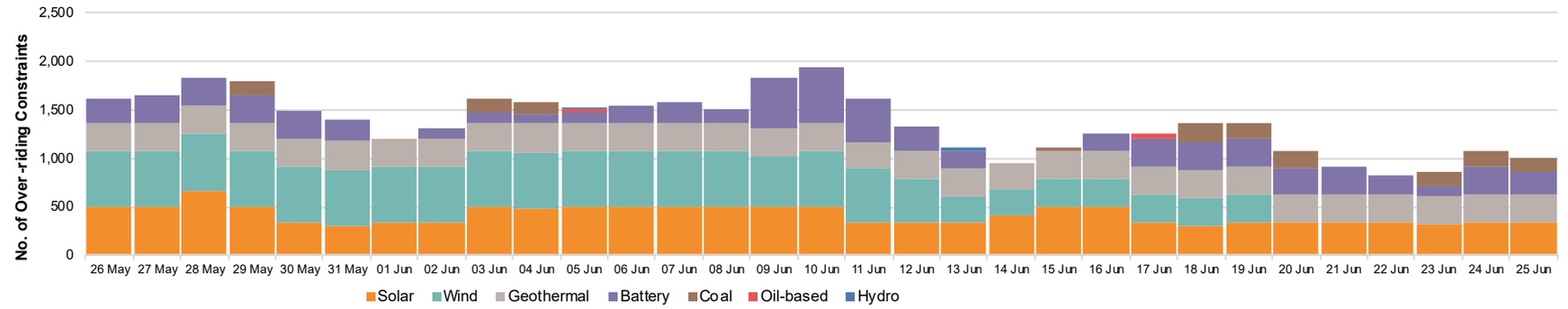
By Day

	No. of Over-riding Constraints	Date
Maximum	1,944	10-Jun
Average	1,371	
Minimum	816	22-Jun



By Incident

Incident	No. of Over-riding Constraints
Commissioning Test	40,250
Commercial and Regulatory Requirements	2,250
MRU	-



By Plant Type

Plant Type	No. of Over-riding Constraints
Solar	12,905
Wind	12,164
Geothermal	8,905
Battery	6,970
Coal	1,415
Oil-based	87
Hydro	54

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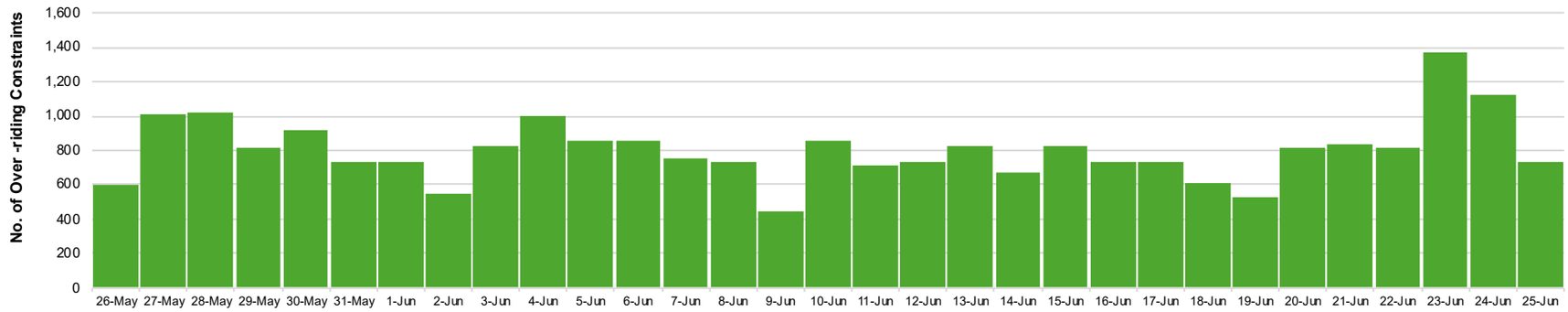
VISAYAS OVER-RIDING CONSTRAINTS

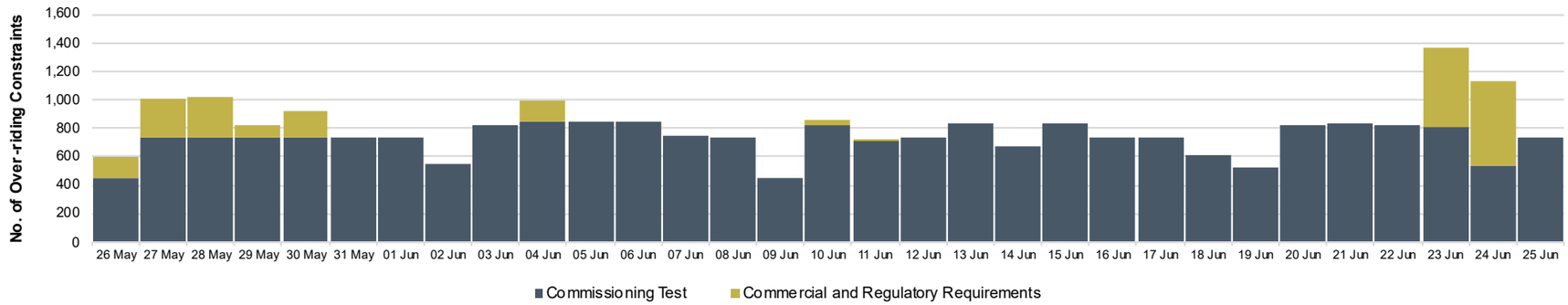
26 May 2025 - 25 June 2025

Philippine Electricity Market Corporation



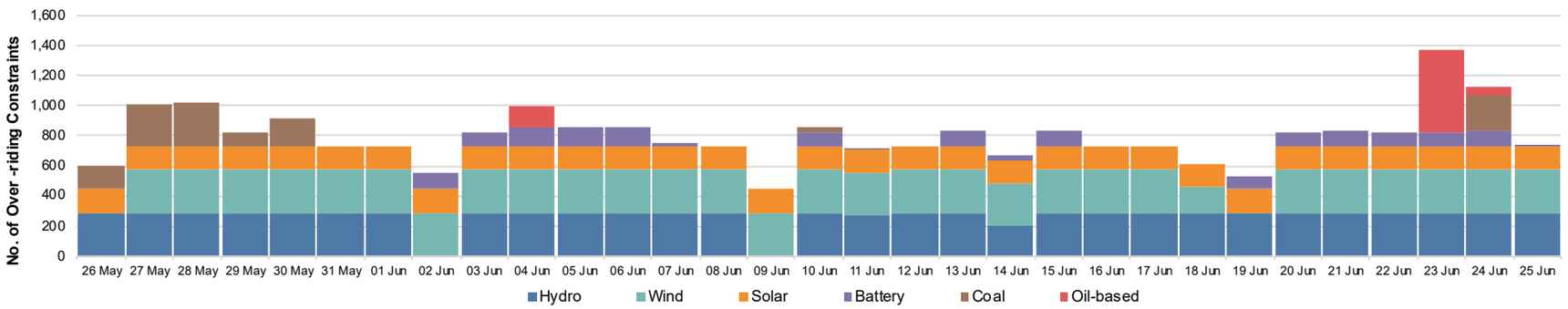
By Day

	No. of Over-riding Constraints	Date
Maximum	1,368	23-Jun
Average	799	
Minimum	444	9-Jun



By Incident

Incident	No. of Over-riding Constraints
Commissioning Test	22,450
Commercial and Regulatory Requirements	2,317
MRU	-



By Plant Type

Plant Type	No. of Over-riding Constraints
Hydro	8,255
Wind	8,209
Solar	4,835
Battery	1,451
Coal	1,271
Oil-based	746

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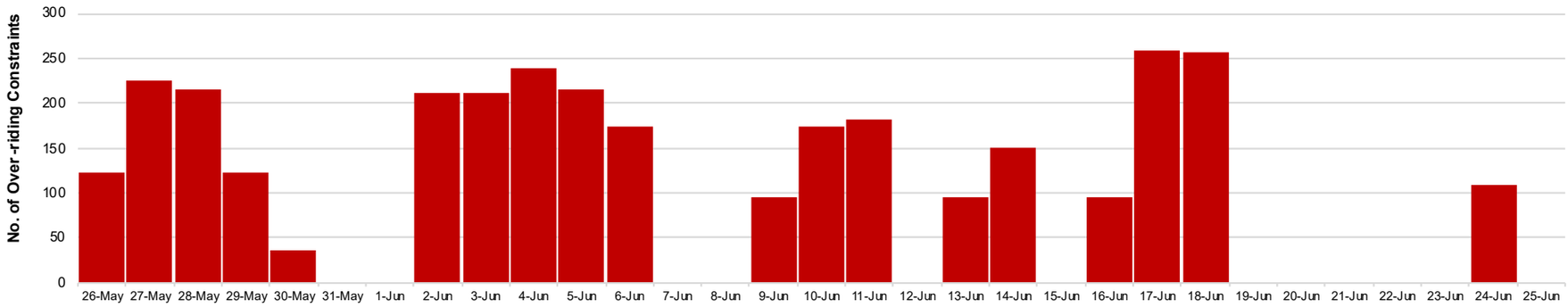
MINDANAO OVER-RIDING CONSTRAINTS

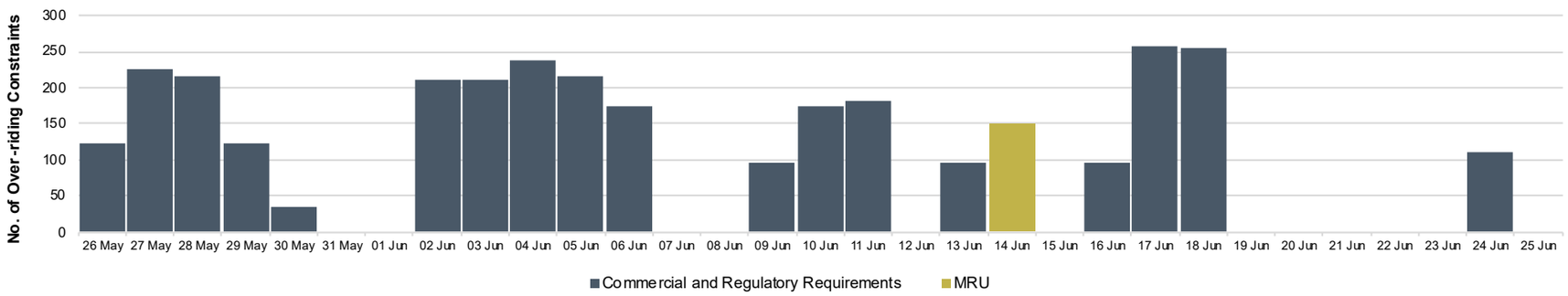
26 May 2025 - 25 June 2025

Philippine Electricity Market Corporation



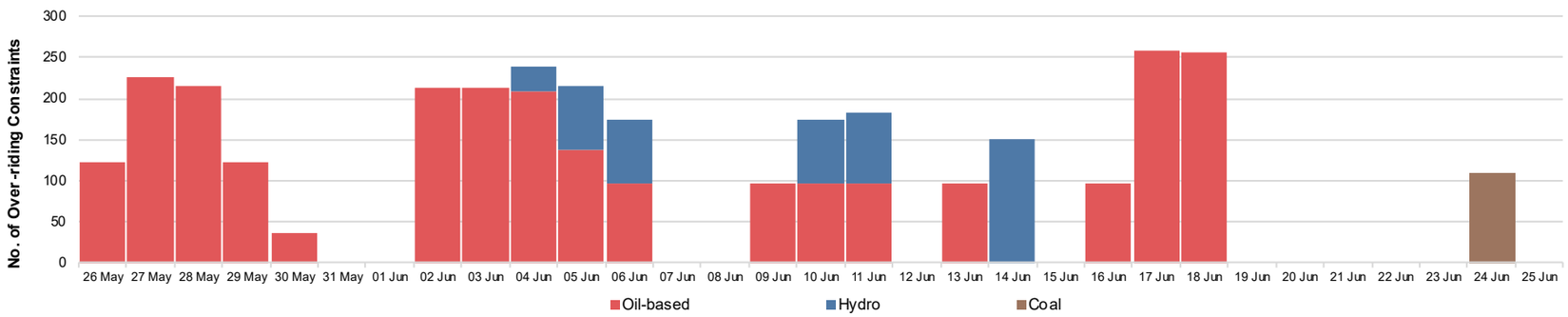
By Day

	No. of Over-riding Constraints	Date
Maximum	258	17-Jun
Average	168	
Minimum	36	30-May



By Incident

Incident	No. of Over-riding Constraints
Commissioning Test	-
Commercial and Regulatory Requirements	3,044
MRU	151



By Plant Type

Plant Type	No. of Over-riding Constraints
Oil-based	2,584
Hydro	501
Coal	110

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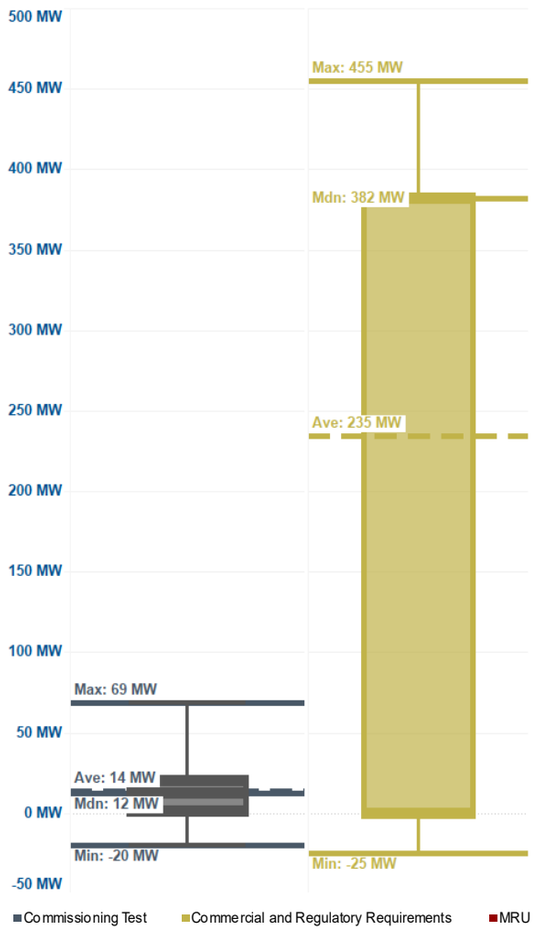
LUZON SCHEDULED CAPACITIES

26 May 2025 - 25 June 2025

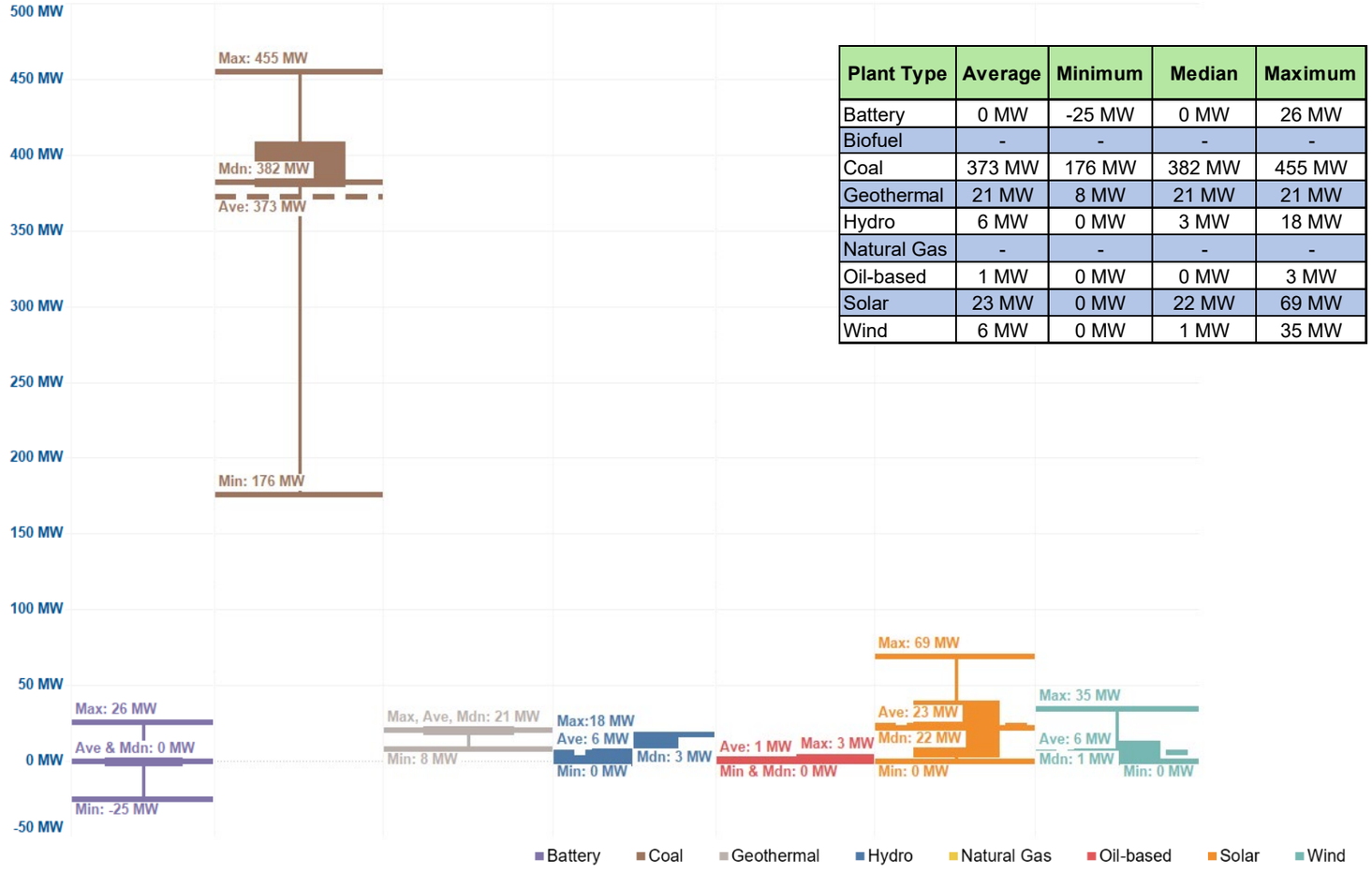
Philippine Electricity Market Corporation

By Incident



Incident	Average	Minimum	Median	Maximum
Commissioning Test	14 MW	-20 MW	12 MW	69 MW
Commercial and Regulatory Requirements	235 MW	-25 MW	382 MW	455 MW
MRU	-	-	-	-

By Plant Type



Plant Type	Average	Minimum	Median	Maximum
Battery	0 MW	-25 MW	0 MW	26 MW
Biofuel	-	-	-	-
Coal	373 MW	176 MW	382 MW	455 MW
Geothermal	21 MW	8 MW	21 MW	21 MW
Hydro	6 MW	0 MW	3 MW	18 MW
Natural Gas	-	-	-	-
Oil-based	1 MW	0 MW	0 MW	3 MW
Solar	23 MW	0 MW	22 MW	69 MW
Wind	6 MW	0 MW	1 MW	35 MW

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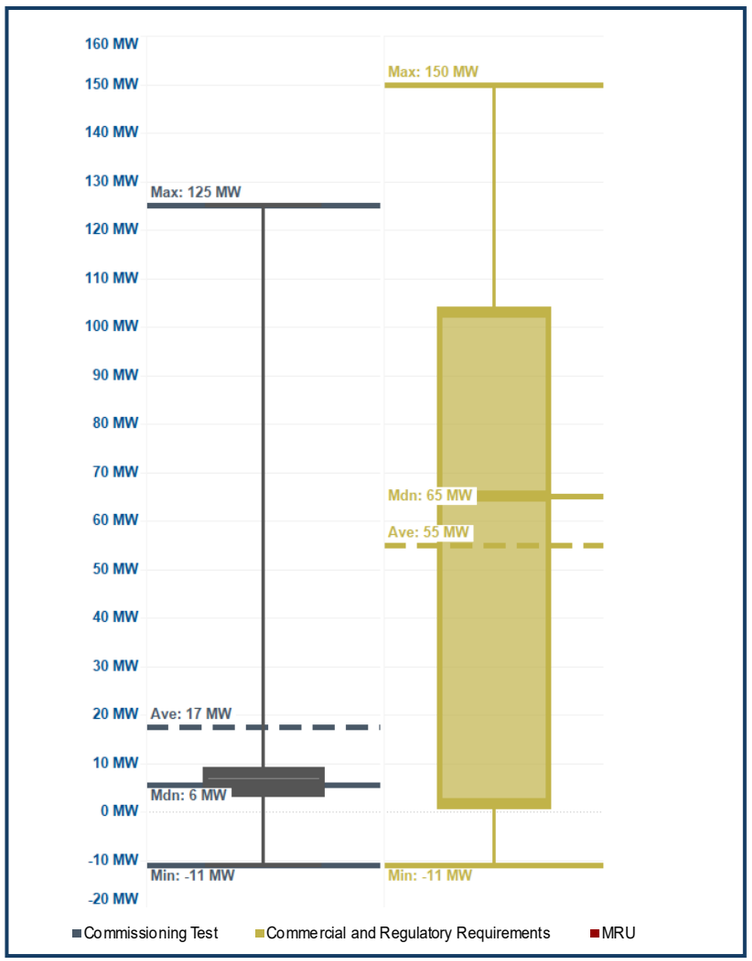
VISAYAS SCHEDULED CAPACITIES

26 May 2025 - 25 June 2025

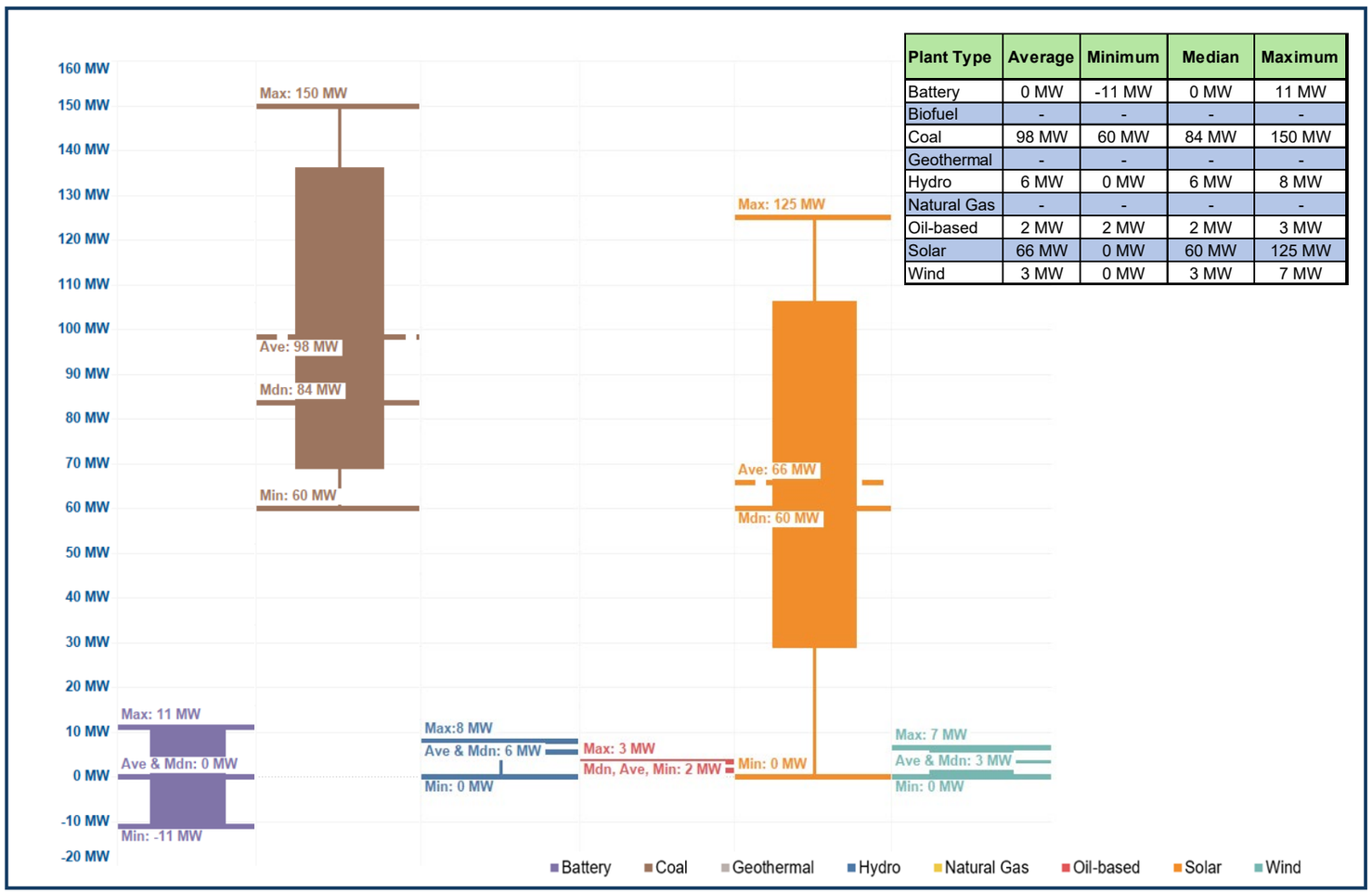
Philippine Electricity Market Corporation

By Incident



Incident	Average	Minimum	Median	Maximum
Commissioning Test	17 MW	-11 MW	6 MW	125 MW
Commercial and Regulatory Requirements	55 MW	-11 MW	65 MW	150 MW
MRU	-	-	-	-

By Plant Type



Plant Type	Average	Minimum	Median	Maximum
Battery	0 MW	-11 MW	0 MW	11 MW
Biofuel	-	-	-	-
Coal	98 MW	60 MW	84 MW	150 MW
Geothermal	-	-	-	-
Hydro	6 MW	0 MW	6 MW	8 MW
Natural Gas	-	-	-	-
Oil-based	2 MW	2 MW	2 MW	3 MW
Solar	66 MW	0 MW	60 MW	125 MW
Wind	3 MW	0 MW	3 MW	7 MW

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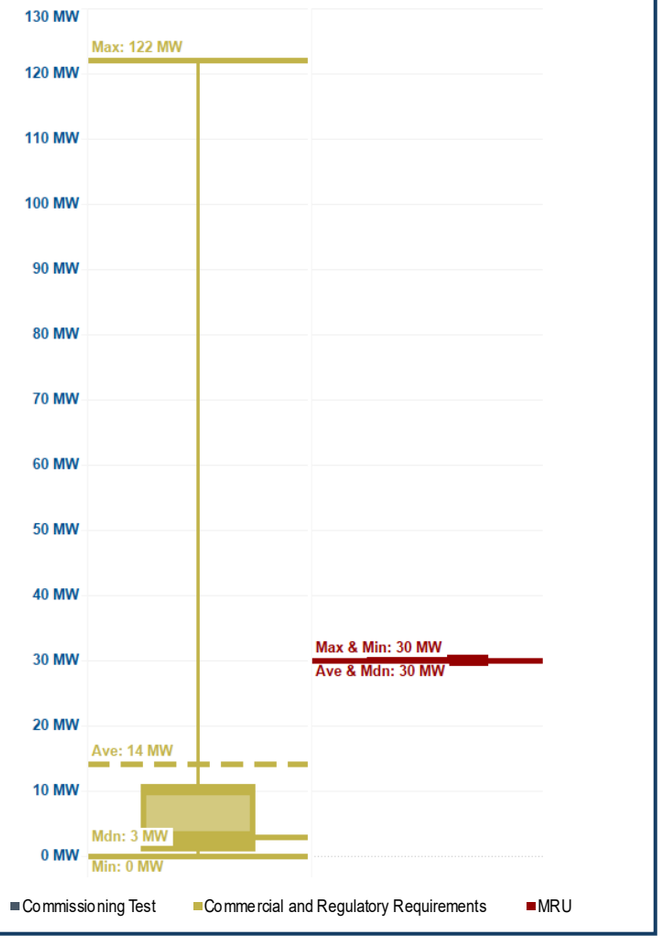
MINDANAO SCHEDULED CAPACITIES

26 May 2025 - 25 June 2025

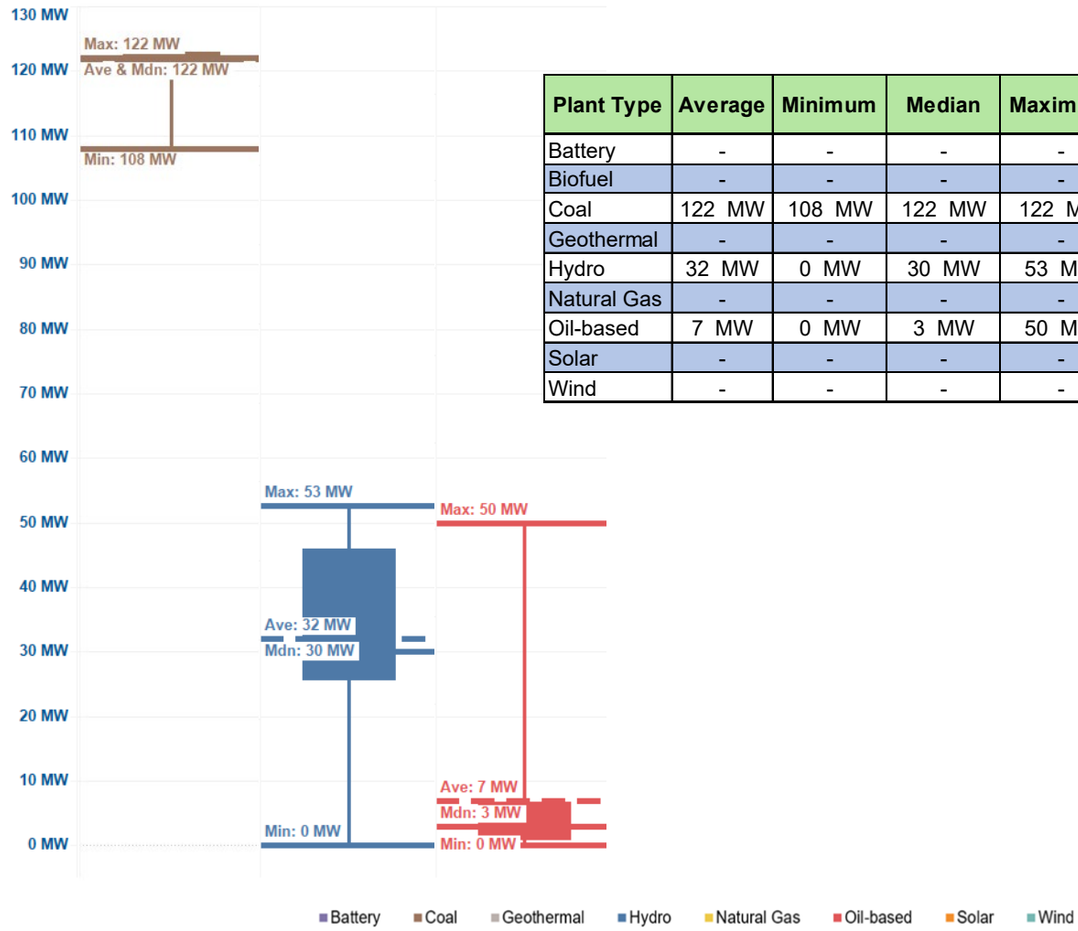
Philippine Electricity Market Corporation

By Incident



Incident	Average	Minimum	Median	Maximum
Commissioning Test	-	-	-	-
Commercial and Regulatory Requirements	14 MW	0 MW	3 MW	122 MW
MRU	30 MW	30 MW	30 MW	30 MW

By Plant Type



Plant Type	Average	Minimum	Median	Maximum
Battery	-	-	-	-
Biofuel	-	-	-	-
Coal	122 MW	108 MW	122 MW	122 MW
Geothermal	-	-	-	-
Hydro	32 MW	0 MW	30 MW	53 MW
Natural Gas	-	-	-	-
Oil-based	7 MW	0 MW	3 MW	50 MW
Solar	-	-	-	-
Wind	-	-	-	-

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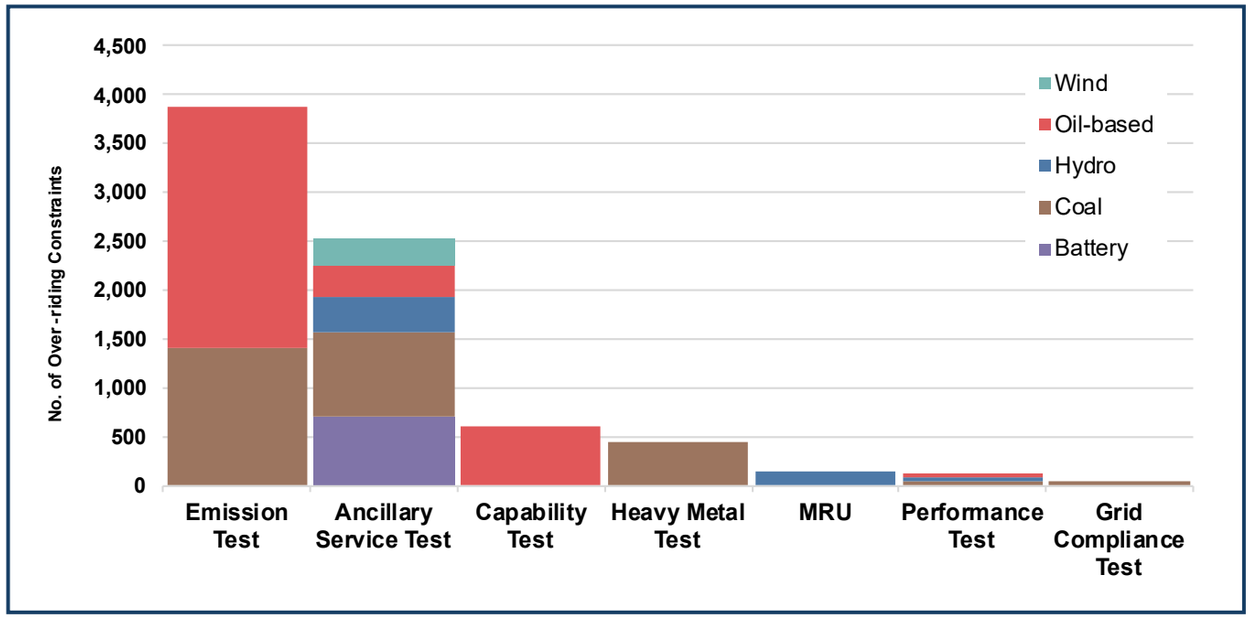
OVER-RIDING CONSTRAINTS EXCLUDING COMMISSIONING TESTS

Luzon, Visayas, Mindanao

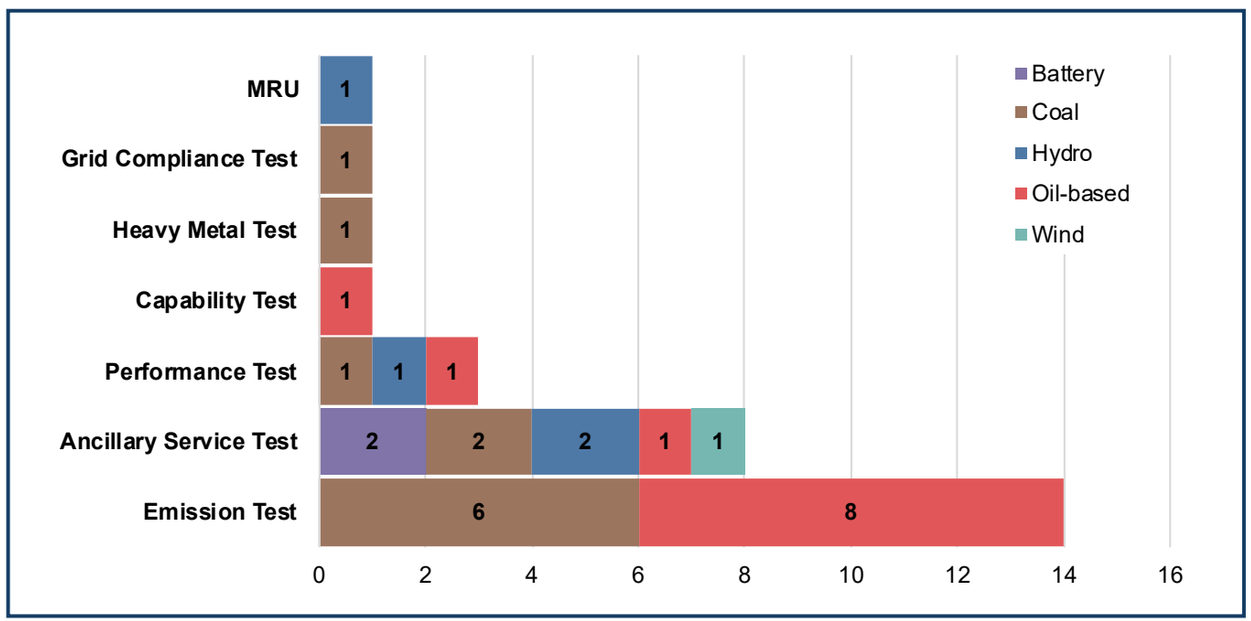
26 May 2025 - 25 June 2025

Philippine Electricity Market Corporation



Over-riding Constraints By Incident

Reasons	No. of Over-riding Constraints
Emission Test	3,881
Ancillary Service Test	2,529
Capability Test	602
Heavy Metal Test	448
MRU	151
Performance Test	115
Grid Compliance Test	36



Number of Plants By Incident

Reasons	No. of Plants
MRU	1
Grid Compliance Test	1
Heavy Metal Test	1
Capability Test	1
Performance Test	3
Ancillary Service Test	8
Emission Test	14

PUBLIC

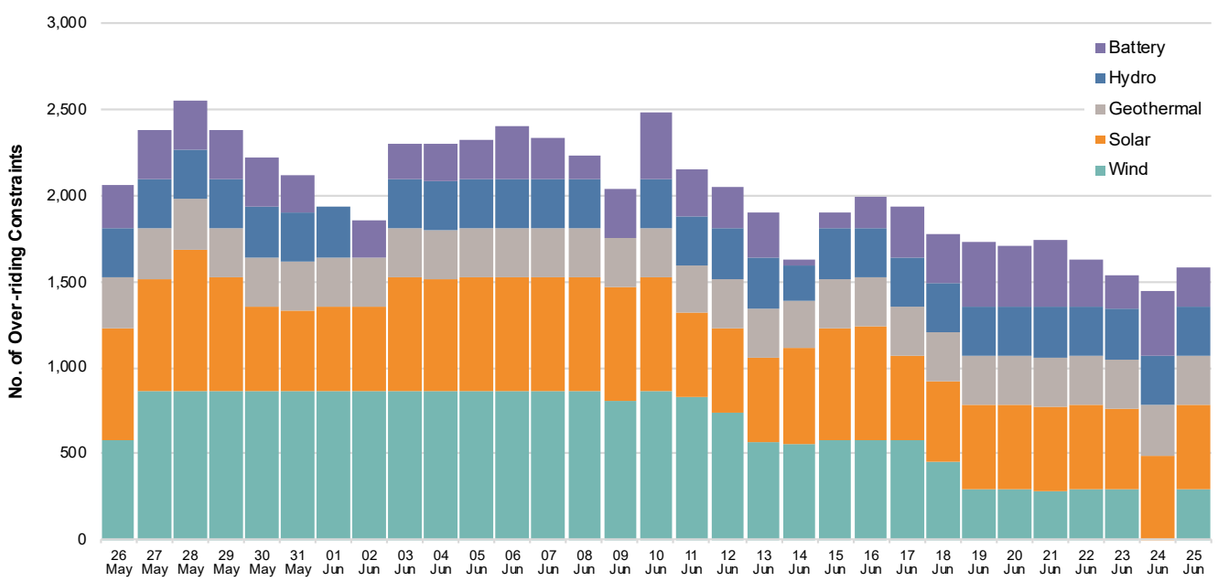
PLANTS UNDER COMMISSIONING TESTS

Luzon, Visayas, Mindanao

26 May 2025 - 25 June 2025

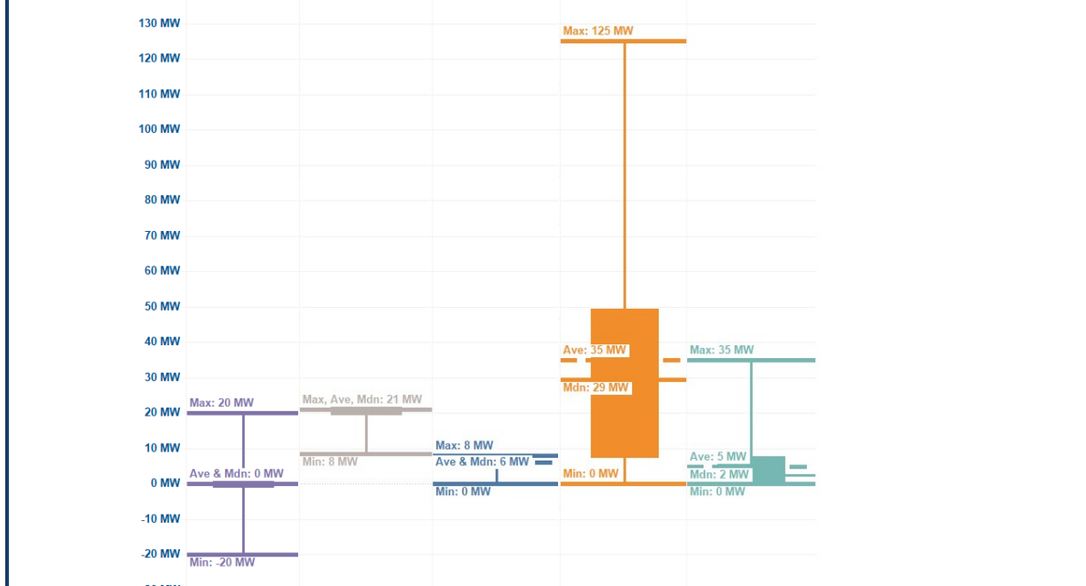
Philippine Electricity Market Corporation

Number of Over-riding Constraints
By Plant Type



Plant Type	No. of Over-riding Constraints
Battery	7,715
Hydro	8,255
Geothermal	8,905
Solar	17,740
Wind	20,085

Scheduled Capacities
By Plant Type



Plant Type	Average	Minimum	Median	Maximum
Battery	0 MW	-20 MW	0 MW	20 MW
Biofuel	-	-	-	-
Coal	-	-	-	-
Geothermal	21 MW	8 MW	21 MW	21 MW
Hydro	6 MW	0 MW	6 MW	8 MW
Natural Gas	-	-	-	-
Oil-based	-	-	-	-
Solar	35 MW	0 MW	29 MW	125 MW
Wind	5 MW	0 MW	2 MW	35 MW

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ANNEX A PLANTS WITH OVER-RIDING CONSTRAINTS

26 May 2025 - 25 June 2025

Philippine Electricity Market Corporation

Plant/Unit Name	Plant Type	Registered Capacity(MW)
LUZON		
Ambuklao Hydroelectric Power Plant Unit 1	Hydro	37.5
Ambuklao Hydroelectric Power Plant Unit 2	Hydro	37.5
80.000 MW Balaoi and Caunayan Wind Power Project Phase 1	Wind	80
23.776 MWP Bongabon Solar Power Project	Solar	18.8
Caparispisan II Wind Power Project	Wind	50
21.2656 MW Bunker C-Fired Diesel Power Plant	Oil-based	20
Concepcion 1 Solar Power Project	Solar	76
63.961 MWp Cordon Solar Power Project	Solar	52.8
Masinloc Battery Energy Storage System	Battery	30
Samal Solar Power Project Phase 1	Solar	35.8
Navotas Bunker C-Fired Diesel Power Plant Power Barge 1 / Mobile 3	Oil-based	63.8
Bac-Man Energy Storage System	Battery	28.5
Pagbilao Coal-Fired Power Plant 1	Coal	382
Pagbilao Coal-Fired Power Plant 2	Coal	382
Pagbilao 3 Power Plant	Coal	420
SBPL Coal Fired Power Plant	Coal	455
21.573 MW Tanawon Geothermal Power Plant	Geothermal	20.2
VISAYAS		
14.160MW Upper Taft Hydroelectric Power Plant	Run-of River Hydro	14.2
CPPC Bunker C-Fired Diesel Power Plant Unit 1	Oil-based	6.5
CPPC Bunker C-Fired Diesel Power Plant Unit 2	Oil-based	6.5
CPPC Bunker C-Fired Diesel Power Plant Unit 3	Oil-based	6.5
CPPC Bunker C-Fired Diesel Power Plant Unit 4	Oil-based	6.5
CPPC Bunker C-Fired Diesel Power Plant Unit 5	Oil-based	6.5
CPPC Bunker C-Fired Diesel Power Plant Unit 6	Oil-based	6.5
CPPC Bunker C-Fired Diesel Power Plant Unit 7	Oil-based	6.5

*** Based on IEMOP-MO's status of plants under commissioning test as of 25 June 2025 and NGCP-SO's data for Security Limits for June 2025 billing period**

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ANNEX A PLANTS WITH OVER-RIDING CONSTRAINTS

26 May 2025 - 25 June 2025

Philippine Electricity Market Corporation

Plant/Unit Name	Plant Type	Registered Capacity(MW)
VISAYAS		
CPPC Bunker C-Fired Diesel Power Plant Unit 8	Oil-based	6.5
CPPC Bunker C-Fired Diesel Power Plant Unit 9	Oil-based	6.5
CPPC Bunker C-Fired Diesel Power Plant Unit 10	Oil-based	6.5
Cebu Coal-Fired Thermal Power Plant (Cebu CFTPP) Unit 1	Coal	103
Cebu Coal-Fired Thermal Power Plant (Cebu CFTPP) Unit 2	Coal	103
168.953 MWP / 137.400 MWAC Calatrava Solar Power Project (SPP)	Solar	137.4
14.535 MWh Southern Negros Battery Energy Storage System	Battery	14.2
PPC3 Nabas Bunker C-Fired Diesel Power Plant Unit 1	Oil-based	3
PPC3 Nabas Bunker C-Fired Diesel Power Plant Unit 2	Oil-based	3.4
135.000 MW Circulating Fluidized Bed (CFB) Coal-Fired Power Plant (CFPP)	Coal	135
PEDC Coal-Fired Thermal Power Plant Unit 1	Coal	83.7
PEDC Coal-Fired Thermal Power Plant Unit 2	Coal	83.7
150.025 MW Unit 3 Circulating Fluidized Bed (CFB) Coal Fired Thermal Power Plant	Coal	150
13.200 Nabas Wind Power Plant Phase 2 (Nabas-2)	Wind	13.2
MINDANAO		
112 MW Bunker-C Fired Diesel Power Plant Unit 1	Oil-based	10.2
112 MW Bunker-C Fired Diesel Power Plant Unit 2	Oil-based	10.2
112 MW Bunker-C Fired Diesel Power Plant Unit 3	Oil-based	10.2
112 MW Bunker-C Fired Diesel Power Plant Unit 4	Oil-based	10.2
112 MW Bunker-C Fired Diesel Power Plant Unit 5	Oil-based	10.2
112 MW Bunker-C Fired Diesel Power Plant Unit 6	Oil-based	10.2
112 MW Bunker-C Fired Diesel Power Plant Unit 7	Oil-based	10
112 MW Bunker-C Fired Diesel Power Plant Unit 8	Oil-based	10.1
112 MW Bunker-C Fired Diesel Power Plant Unit 9	Oil-based	10.2
112 MW Bunker-C Fired Diesel Power Plant Unit 10	Oil-based	10.2
Agus II Hydroelectric Power Plant Unit 1	Hydro	60

*** Based on IEMOP-MO's status of plants under commissioning test as of 25 June 2025 and NGCP-SO's data for Security Limits for June 2025 billing period**

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ANNEX A PLANTS WITH OVER-RIDING CONSTRAINTS

26 May 2025 - 25 June 2025

Philippine Electricity Market Corporation

Plant/Unit Name	Plant Type	Registered Capacity(MW)
MINDANAO		
180 MW Agus II Hydroelectric Power Plant Unit 3	Hydro	60
Agus IV Hydroelectric Power Plant Unit 1	Hydro	52.7
Agus IV Hydroelectric Power Plant Unit 2	Hydro	52.7
Agus IV Hydroelectric Power Plant Unit 3	Hydro	52.7
Agus V Hydroelectric Power Plant Unit 1	Hydro	27.5
Agus V Hydroelectric Power Plant Unit 2	Hydro	27.5
Iligan Diesel Power Plant Unit 1	Oil-based	5.9
Iligan Diesel Power Plant Unit 2	Oil-based	5.7
Iligan Diesel Power Plant Unit 3	Oil-based	6
Iligan Diesel Power Plant Unit 4	Oil-based	5.6
Iligan Diesel Power Plant Unit 5	Oil-based	5.7
Iligan Diesel Power Plant Unit 6	Oil-based	5.9
Iligan Diesel Power Plant Unit 7	Oil-based	5.7
7.841 MW Surigao Del Sur Power Plant	Oil-based	7.8
100.327 MW Mobile 2 Bunker C-Fired Power Plant Unit 1	Oil-based	50
100.327 MW Mobile 2 Bunker C-Fired Power Plant Unit 2	Oil-based	50
11.040 Mati Bunker C-Fired Diesel Power Plant	Oil-based	10.9
18.040 MW Digos Modular Diesel Power Plant (Digos MDPP)	Oil-based	16.9
118.501 MW Phase 1 Coal-Fired Thermal Power Plant	Coal	122
11.90 MW Koronadal Bunker C-Fired Diesel Power Plant	Oil-based	11.5

*** Based on IEMOP-MO's status of plants under commissioning test as of 25 June 2025 and NGCP-SO's data for Security Limits for June 2025 billing period**

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ANNEX B PLANTS UNDER COMMISSIONING TEST

26 May 2025 - 25 June 2025

Philippine Electricity Market Corporation

Plant/Unit Name	Plant Type	Registered Capacity	No. of PCATC Extensions	No. of Days under Commissioning Tests
Bac-Man Energy Storage System	Battery	28.5	2	115
14.535 MWh Southern Negros Battery Energy Storage System	Battery	14.2	-	61
21.573 MW Tanawon Geothermal Power Plant	Geothermal	20.2	4	155
14.160MW Upper Taft Hydroelectric Power Plant	Run-of River Hydro	14.2	8	289
23.776 MWP Bongabon Solar Power Project	Solar	18.8	5	180
Concepcion 1 Solar Power Project	Solar	76	8	277
63.961 MWp Cordon Solar Power Project	Solar	52.8	3	139
Samal Solar Power Project Phase 1	Solar	35.8	1	89
168.953 MWP / 137.400 MWAC Calatrava Solar Power Project (SPP)	Solar	137.4	5	196
80.000 MW Balaoi and Caunayan Wind Power Project Phase 1	Wind	80	25	592
Caparispisan II Wind Power Project	Wind	50	14	471
13.200 Nabas Wind Power Plant Phase 2 (Nabas-2)	Wind	13.2	13	447

*** Based on IEMOP-MO's status of plants under commissioning test as of 25 June 2025 and NGCP-SO's data for Security Limits for June 2025 billing period**

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ANNEX C

PLANTS UNDER COMMISSIONING TEST FROM PREVIOUS BILLING PERIOD THAT CURRENTLY HAVE NO IMPOSITION OF OVER-RIDING CONSTRAINTS

26 May 2025 - 25 June 2025

Philippine Electricity Market Corporation

Plant/Unit Name	Plant Type	Registered Capacity	No. of PCATC Extensions	No. of Days under Commissioning Tests
60.702 MW Bohol In-Island Diesel Power Plant	Oil-based	57	1	87

*As of 25 June 2025

GLOSSARY

Monitoring of Over-riding Constraints

OVER-RIDING CONSTRAINTS

Constraints imposed in the market dispatch optimization model by the Market Operator, at the recommendation of the System operator, with the intention of over-riding the effect of a Trading Participant's offers or demand bids in accordance with Clause 3.5.13 of the WESM Rules.

Constraints imposed by the Market Operator, as required by the System Operator, relative to the power flow, energy generation of a specific facility in the Grid to address system security threat, mitigate the effects of a system emergency, address the need to dispatch generating units to comply with systems, regulatory and commercial test requirements, in accordance with Clause 3.5.13 of the WESM Rules and Section 5.5 of the Market Surveillance Manual.

TEST AND COMMISSIONING

Under the DOE Department Circular No. DC2024-08-0022, test and commissioning refers to the conduct of procedures to determine and certify that a Generation Facility was connected ot the grid in accordance with the Philippine Grid Code (PGC), the Philippine Distribution Code (PDC) and/or other relevant guidelines and specifications, as applicable, and to determin readiness to delivery energy to Grid or distribution network for the purpose of securing a COC from ERC.

For the purpose of this policy, Test and Commissioning includes the conduct of capability tests as specifies in the PGC, PDC, and other relevant issuances such as the Grid Compliance Test and Ancillary Services Capability Test and all other activities which require synchronization to the Grid or distribution network.

MUST-RUN UNIT (MRU)

It is a generating unit identified and instructed, by the System Operator to either a) come on-line, or b) provide additional energy on a particular dispatch interval but the dispatch of which is said to be out-of-merit, to address system security requirements. For clarity, MRU shall be utilized only after the System Operator has exhausted all available ancillary services. MRUs are classified as follows: a) Scheduled MRU - MRU designated by the System Operator before the dispatch interval and included in the real-time dispatch schedule through the imposition of security limit as defined in the WESM Dispatch Protocol Manual. B) Real-Time MRU - MRU designated by the System Operator within a dispatch interval.

PROVITIONAL CERTIFICATE OF APPROVAL TO CONNECT (PCATC)

From the DOE Department Circular No. DC2021-06-0013, it refers to the certification issued by the TNP or DU to a Generation Company, allowing the conduct of Test and Commissioning with respect to its Generation Facility/ies.

FINAL CERTIFICATE OF APPROVAL TO CONNECT (FCATC)

Under the DOE Department Circular No. DC2021-06-0013, FCATC refers to the certification issued by the TNP or DU to a Generation Company attesting that its Generation Facility/ies is ready to deliver energy to Grid or distribution network in accordance with the Philippine Grid Code (PGC), Philippine Distribution Code (PDC) and other relevant guidelines and specifications.

RENEWABLE ENERGY RESOURCE

It is an energy resource as defined in Section 4 (uu) of the Renewable Energy Act.

BATTERY ENERGY STORAGE SYSTEM (BESS)

It is a system with all related equipment essential to its functioning as a single entity which is capable of storing electrical energy through chemical reactions from which it is able to charge or discharge electrical energy to the power system.

REGISTERED CAPACITIES

It is the prevailing Maximum Stable Load or Pmax and the Minimum Stable Load or Pmin of a generating unit or generating system as registered with the Market Operator or subsequent changes confirmed and implemented by the Market Operator. The Pmax shall be the registered maximum capacity while the Pmin shall be the minimum registered capacity.