MONTHLY FORECAST ACCURACY STANDARDS RESULT

Monthly FAS Result (2023)

16 August 2023 | MS Teams

Philippine Electricity Market Corporation

REQUESTED ACTION

FOR INFORMATION

SUMMARY OF WESM REGISTRATION ON MUST DISPATCH GENERATING UNITS

Technology	No. of Resources in Luzon	No. of Resources in Visayas	No. of Resources in Mindanao	Total
Run of River	17	2	14	33
Solar	34	12	5	51
Wind	5	2	0	7
Total	56	16	19	91

As of May 2023, there are **95** facilities registered as MDGU in the WESM. From the registered facilities, **91** facilities from Luzon and Visayas, and Mindanao regions are being monitored, **4** facilities are under test and commissioning, and Mindanao facilities are being monitored after the declaration of commercial operation of the WESM Mindanao on 26 January 2023. *(DOE DC2022-12-0039, 23 December 2022)*

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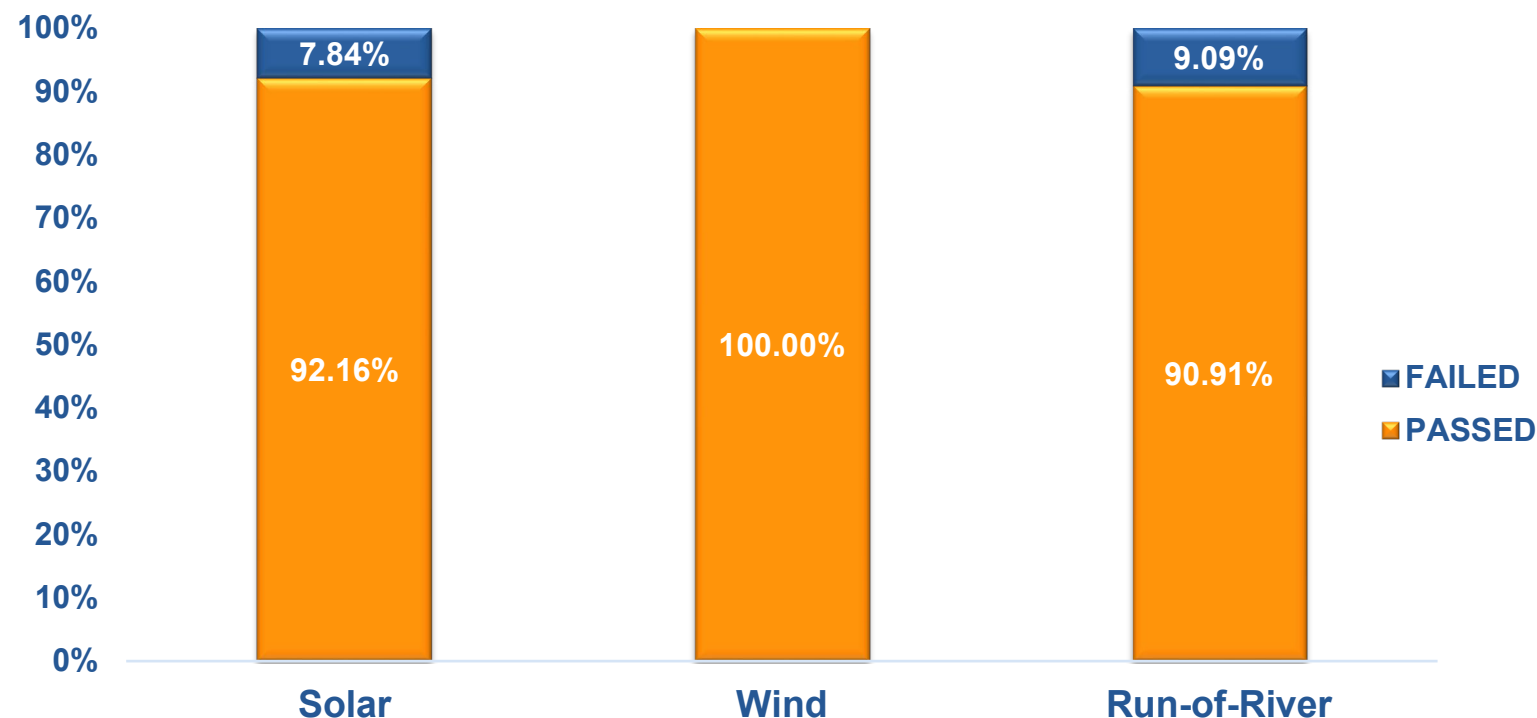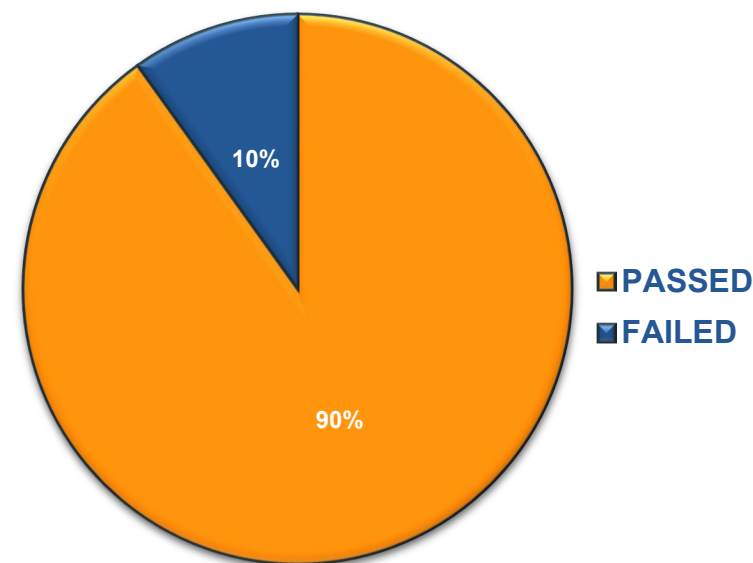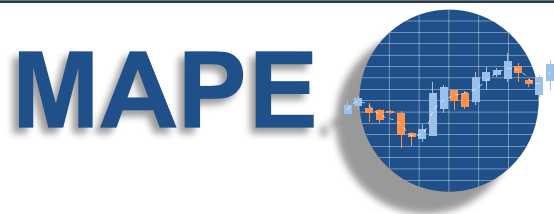# TOTAL INTERVALS WITH REQUESTED ACTION MARCH TO MAY 2023
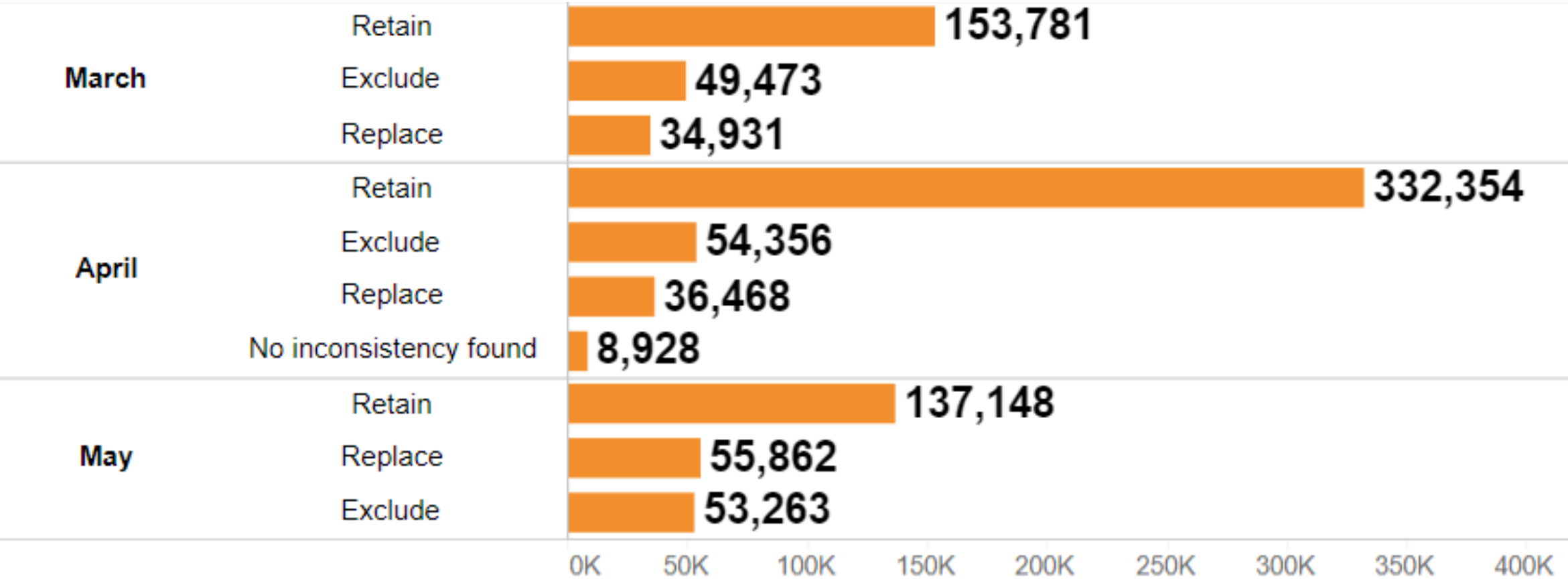
From March 2023 to May 2023, the ECO received a total of **157,092** intervals requesting for exclusion and a total of **127,261** intervals requesting for a replacement due to Data Variance. The ECO also receive a total of **623,283** intervals to retain results.

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ECO ASSESSMENT MARCH TO MAY 2023

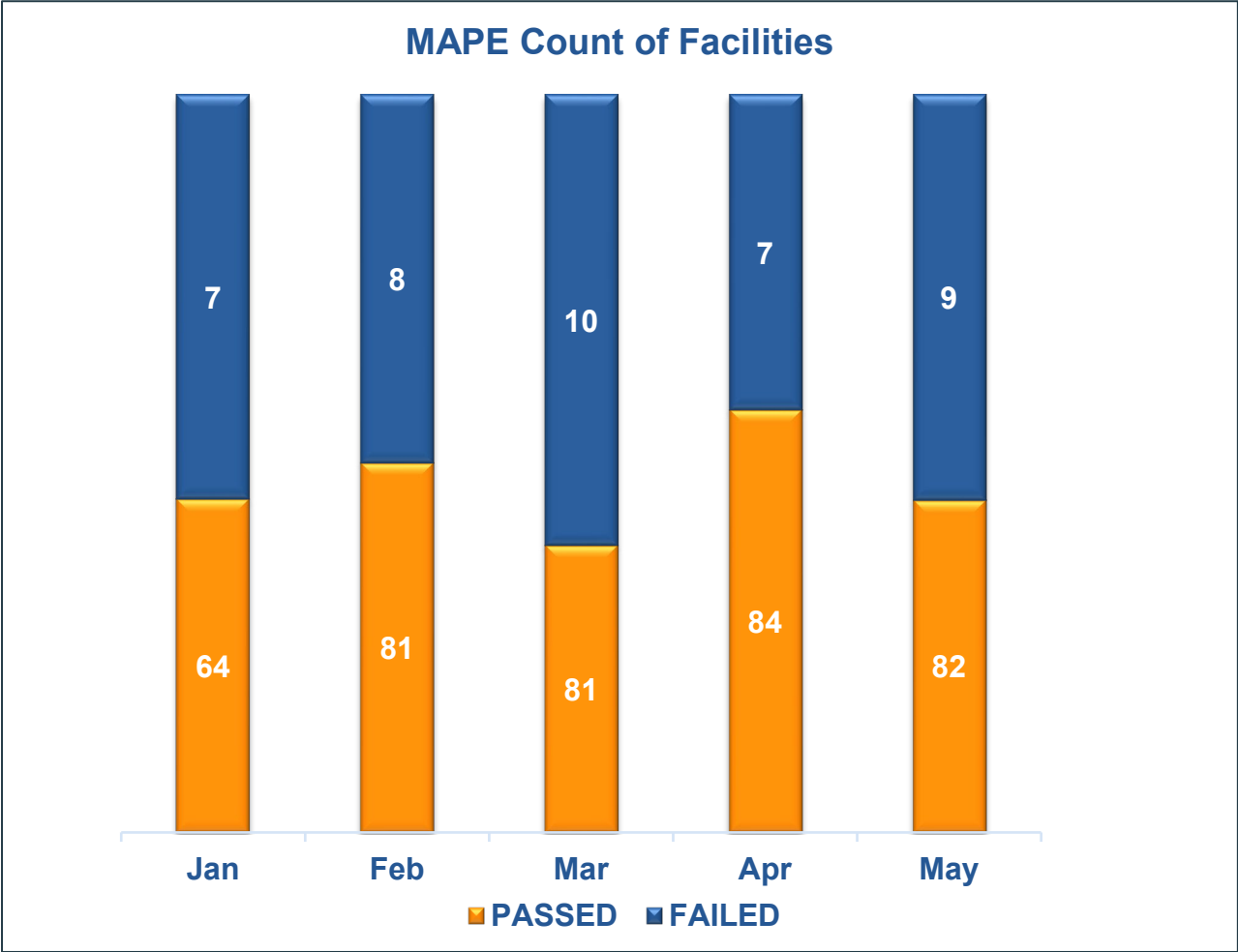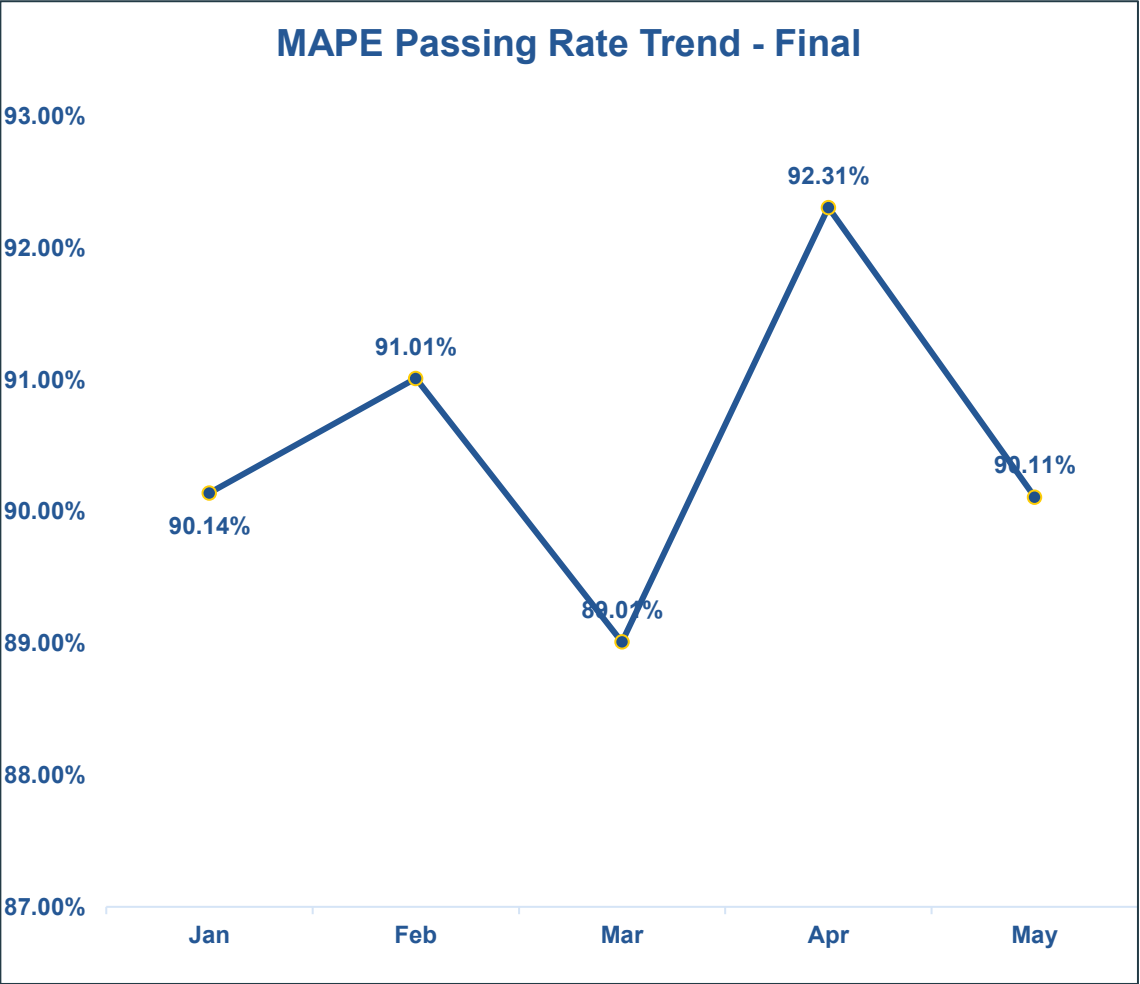| Billingmonth name	Eco Validation	Eco Remarks	
March	Exclude	Outage	189
		Outage (Transmission Related Constraints)	335
		SO Instructions	199
	Replace	Data Variance	22,507
April	Exclude	Outage	76
		Outage (Transmission Related Constraints)	722
	Replace	Data Variance	28,878
May	Exclude	Outage	1,004
		Outage (Transmission Related Constraints)	478
	Replace	Data Variance	31,668

- Out of **53,263** intervals requesting for exclusion, the ECO accepts **1,482** or **2.78%** of the intervals.
- Out of **55,862** intervals requesting for replacement, **31,668** or **56.69%** confirmed to be Data Variance.

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MAPE

Pie chart: PASSED 90%, FAILED 10%

Bar chart (FAILED / PASSED):
- Solar: FAILED 7.84%, PASSED 92.16%
- Wind: PASSED 100.00%
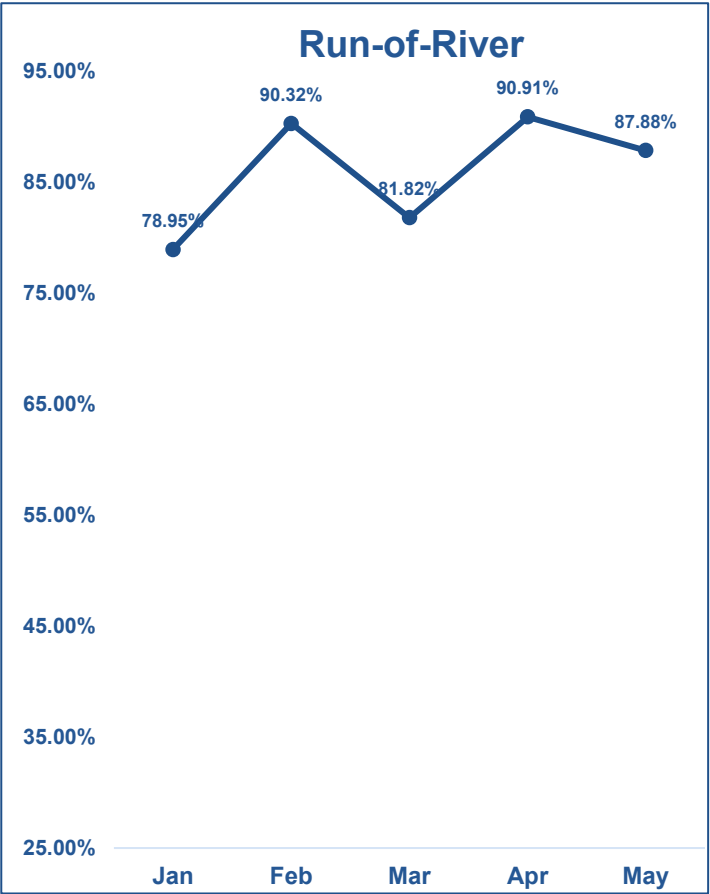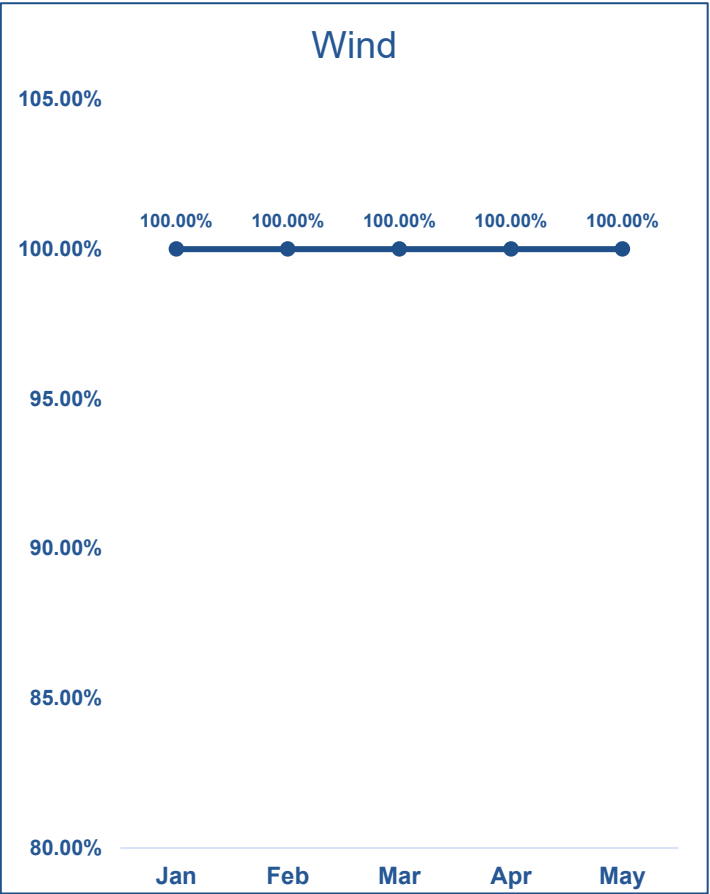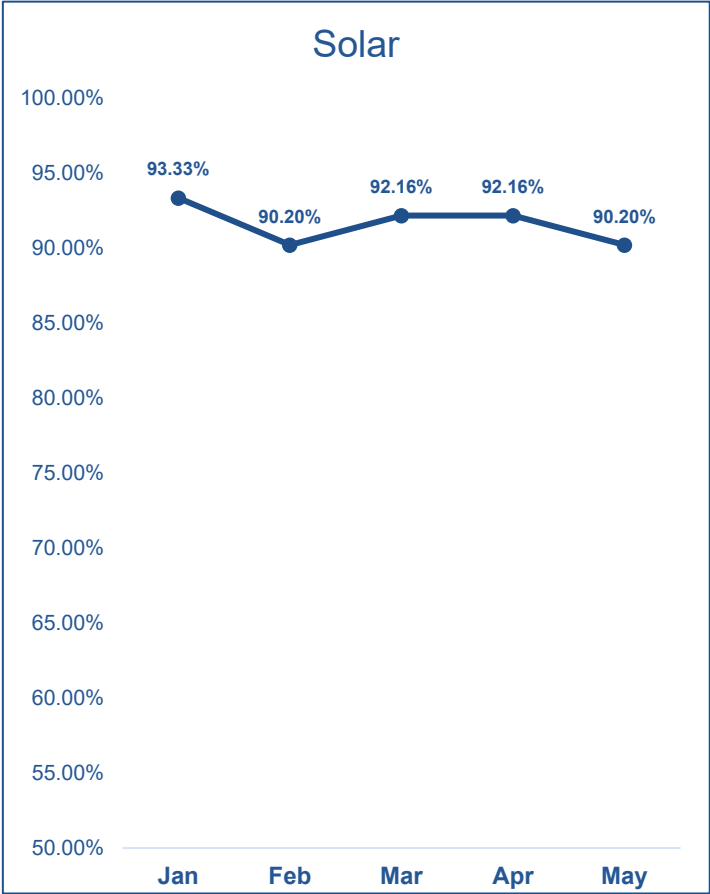- Run-of-River: FAILED 9.09%, PASSED 90.91%

- 82 out of 91 facilities being monitored performed within the MAPE standards while 9 failed.

- 46 out of 51 Solar Power Plants, 29 out of 33 Run-of-River Power Plants, and 7 out of 7 Wind Power Plants passed the MAPE standards

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PASSING RATE TREND – MAPE FINAL RESULT

MAPE Passing Rate Trend - Final

- Jan: 90.14%
- Feb: 91.01%
- Mar: 89.01%
- Apr: 92.31%
- May: 90.11%

MAPE Count of Facilities

	Jan	Feb	Mar	Apr	May
FAILED	7	8	10	7	9
PASSED	64	81	81	84	82

■ PASSED ■ FAILED

From the **Final MAPE result (May 2023),** the average passing rate is **90.52%**, and the average count of passing plant is **81.**

FINAL FORECAST ACCURACY STANDARDS REPORT
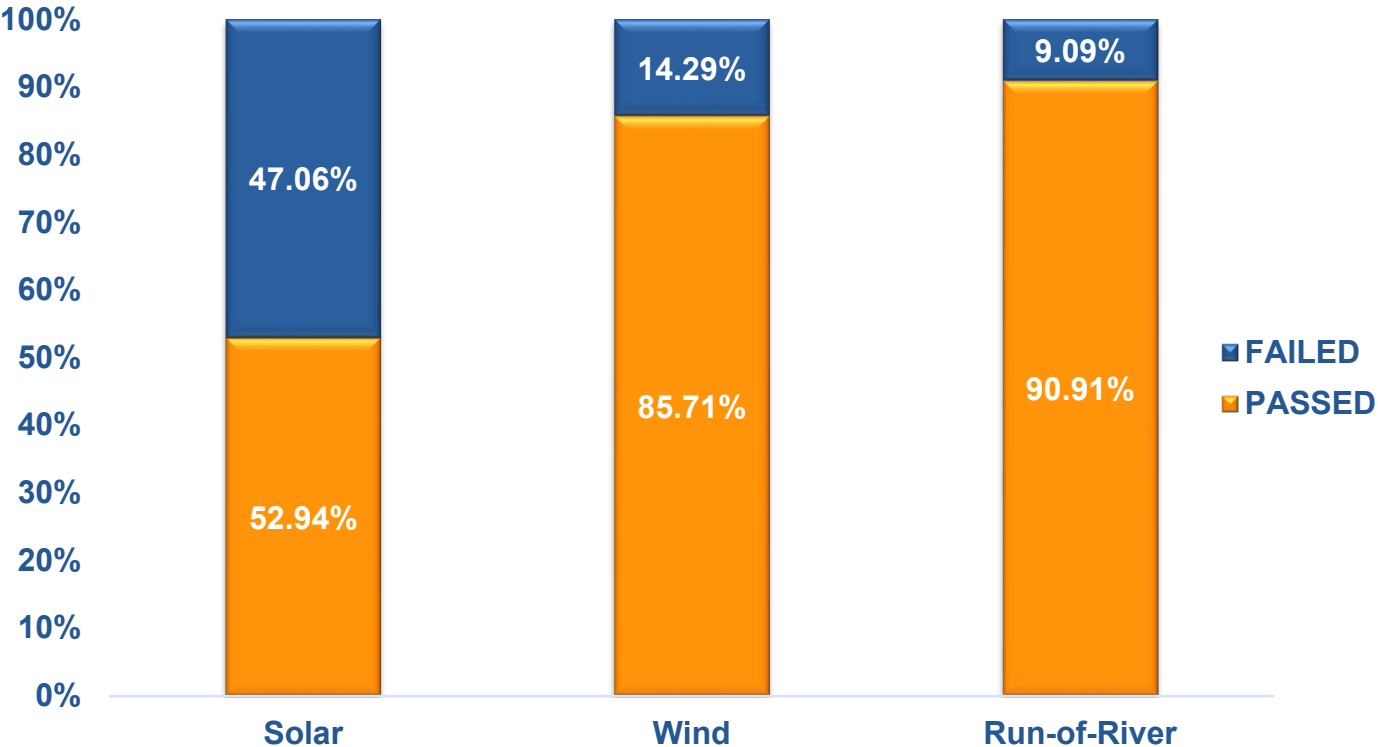
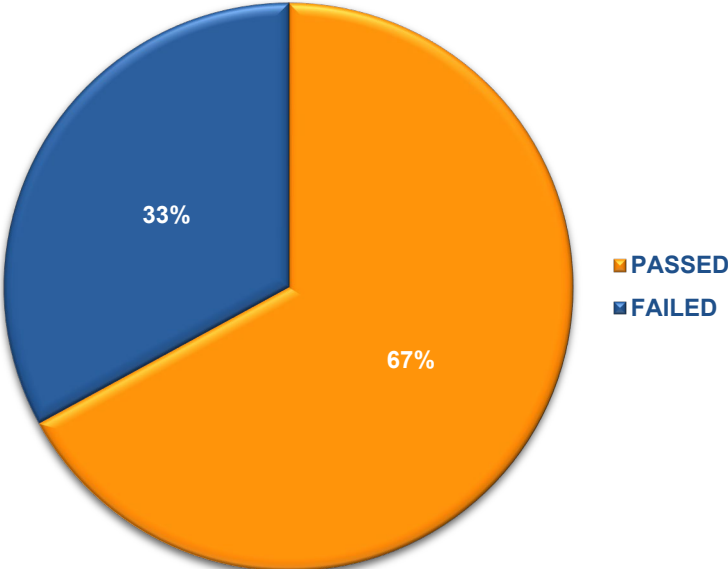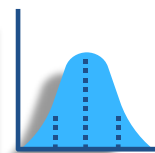**Philippine Electricity Market Corporation**

PASSING RATE TREND – MAPE

- The average passing rates of Solar, Wind and ROR Power Plants from the final result are **91.61%%**, **100.00%** and **85.98%**, respectively.

MAY 2023 FINAL FAS REPORT (OVERALL PASSING RATE)

PERC95

Pie chart:
- PASSED: 67%
- FAILED: 33%

Bar chart (FAILED / PASSED):
- Solar: FAILED 47.06%, PASSED 52.94%
- Wind: FAILED 14.29%, PASSED 85.71%
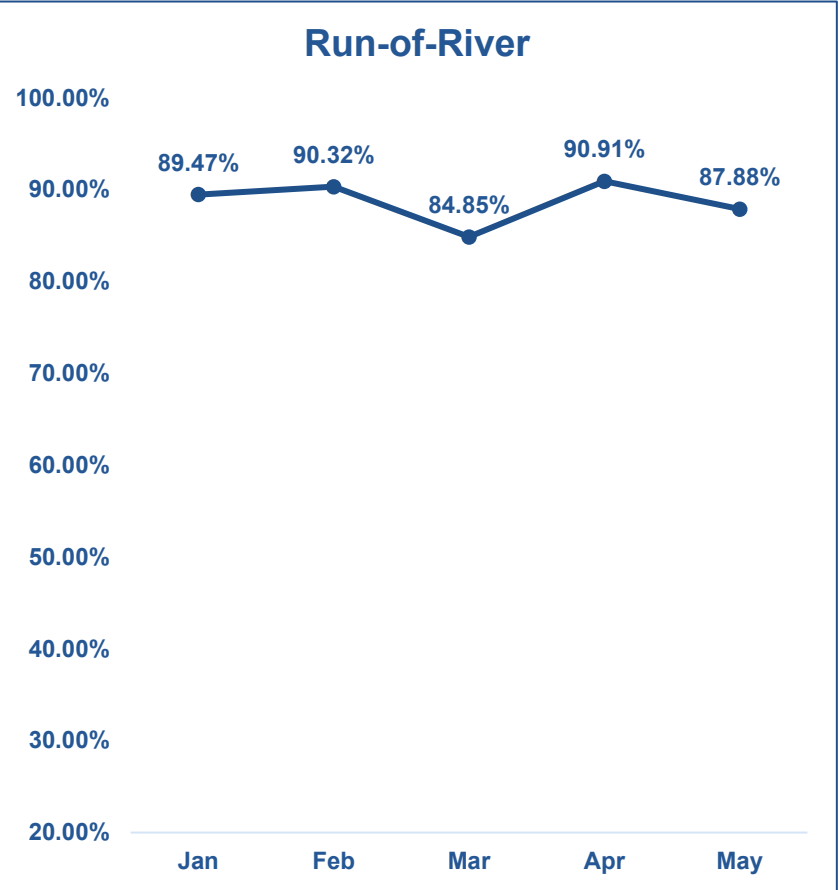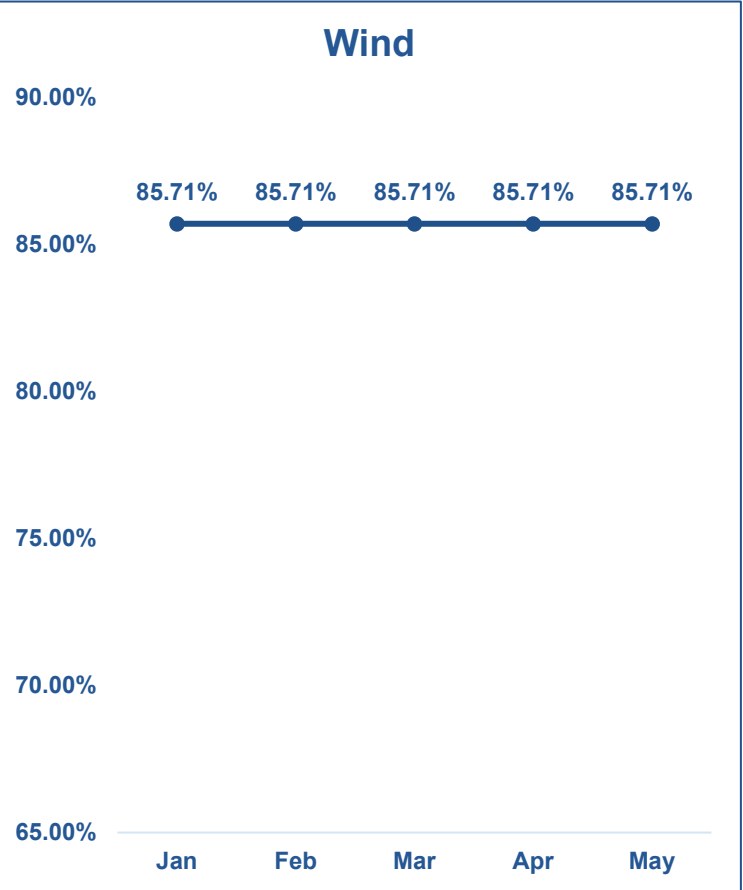- Run-of-River: FAILED 9.09%, PASSED 90.91%

- 61 out of 91 facilities being monitored performed within the PERC95 standards while 30 failed.

- 27 out of 51 Solar Power Plants, 30 out of 33 Run-of-River Power Plants, and 6 out of 7 Wind Power Plants passed the PERC95 standards.

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PASSING RATE TREND – PERC95
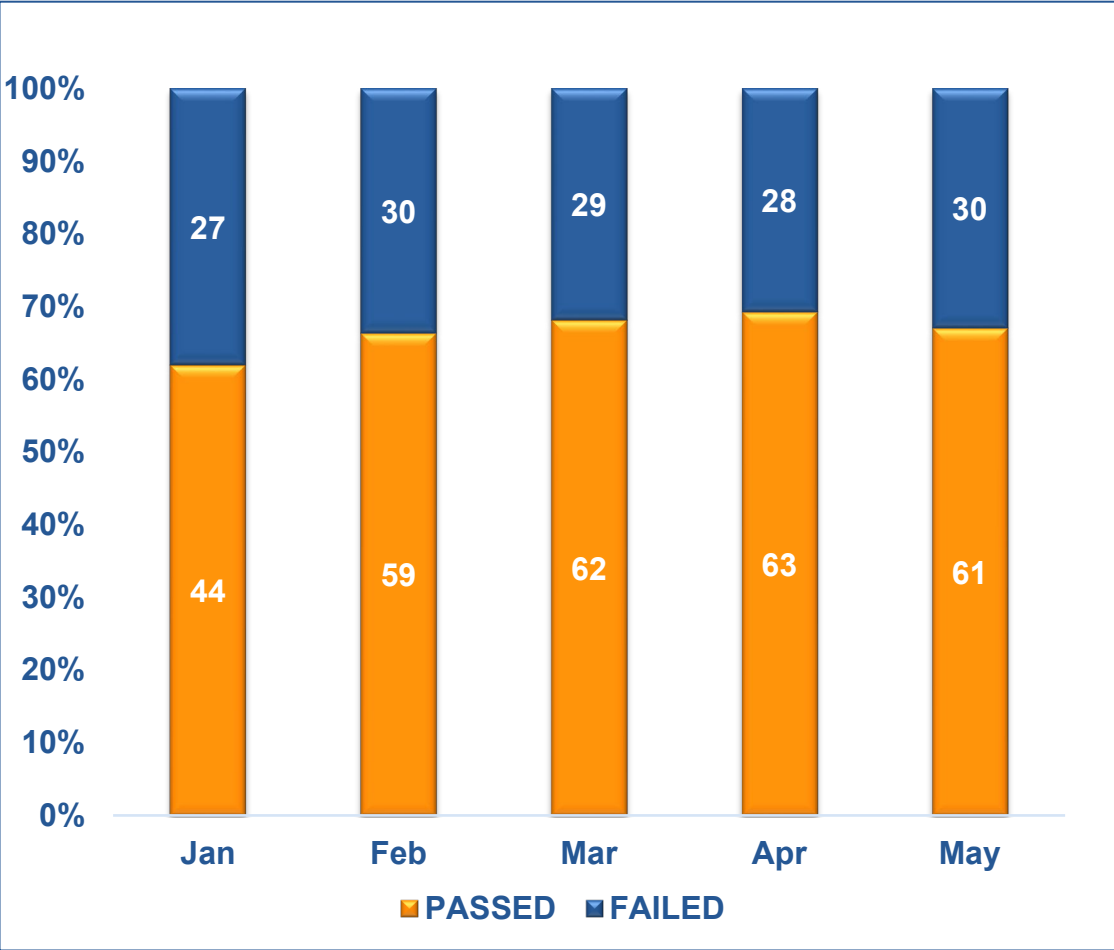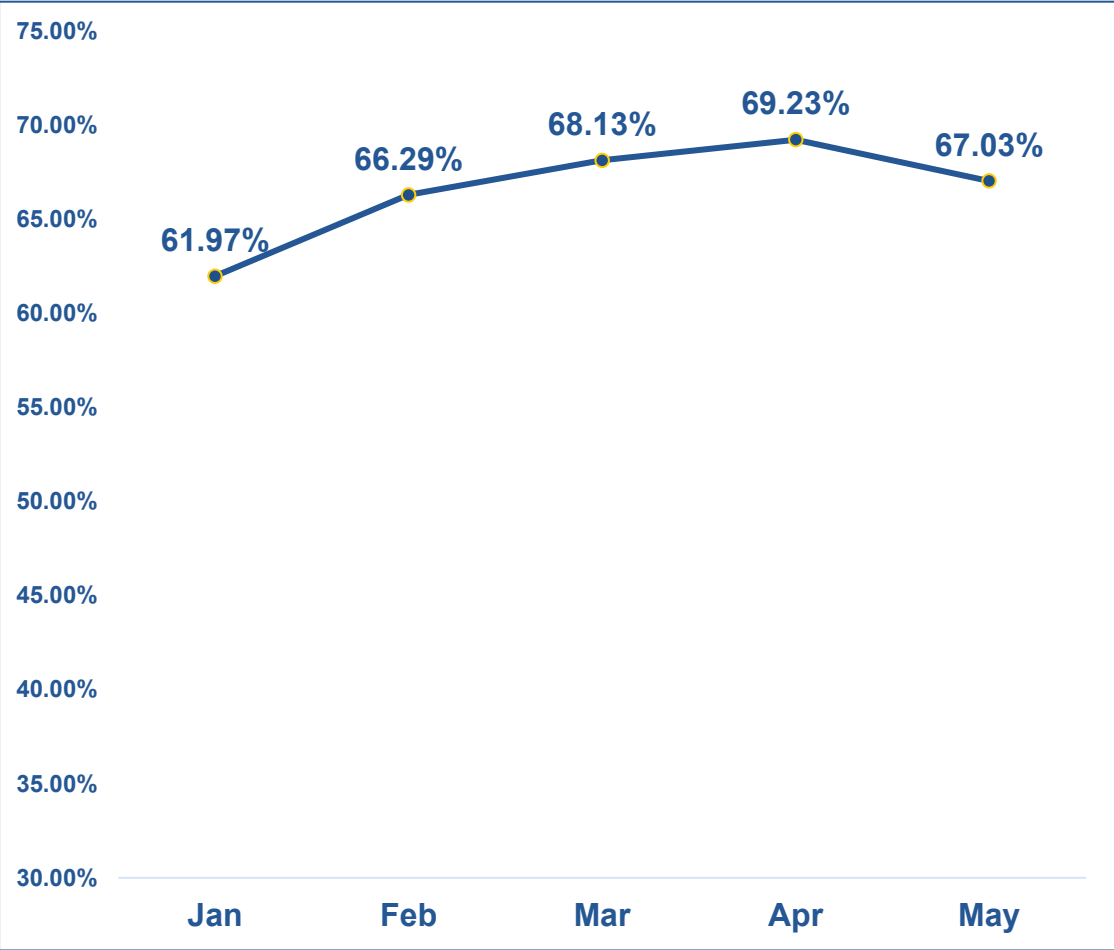
From the **Final PERC95 result (May 2023),** the average passing rate is **66.53%**, and the average count of passing plant is **57.80.**

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PASSING RATE TREND – PERC95

Solar
	Jan	Feb	Mar	Apr	May
	46.67%	49.02%	54.90%	52.94%	50.98%

Wind
	Jan	Feb	Mar	Apr	May
	85.71%	85.71%	85.71%	85.71%	85.71%

Run-of-River
	Jan	Feb	Mar	Apr	May
	89.47%	90.32%	84.85%	90.91%	87.88%
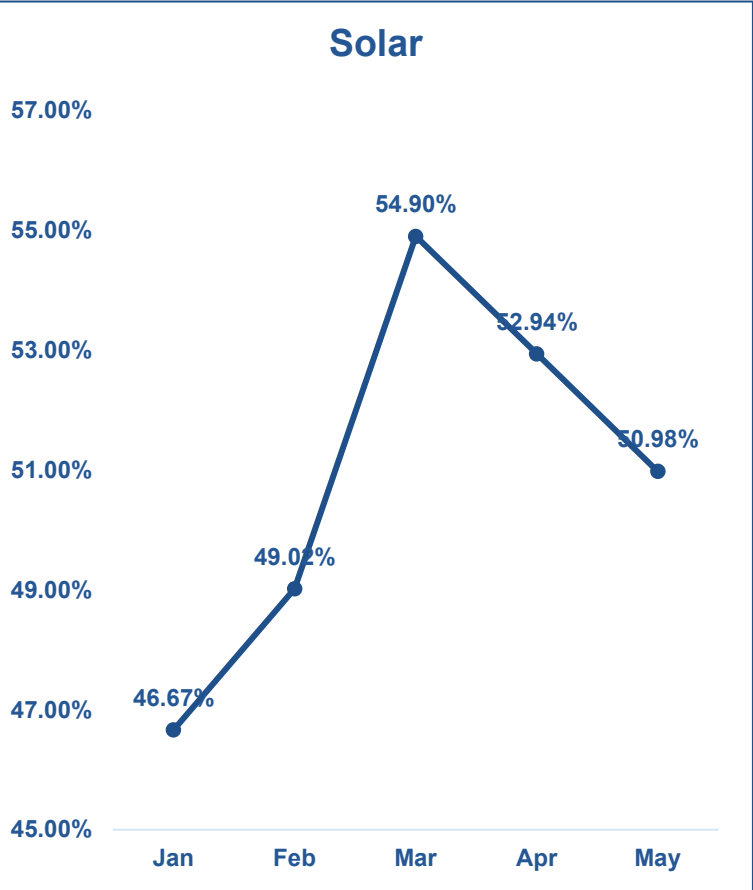
- The average passing rates of Solar, Wind and ROR Power Plants from the final result are **50.90%**, **85.71%** and **88.69%**, respectively.

REQUESTED ACTION

FOR INFORMATION

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