



Philippine Electricity
Market Corporation

MONTHLY FORECAST ACCURACY STANDARDS RESULT

July FAS Result (2023)

18 October 2023 | MS Teams

REQUESTED ACTION

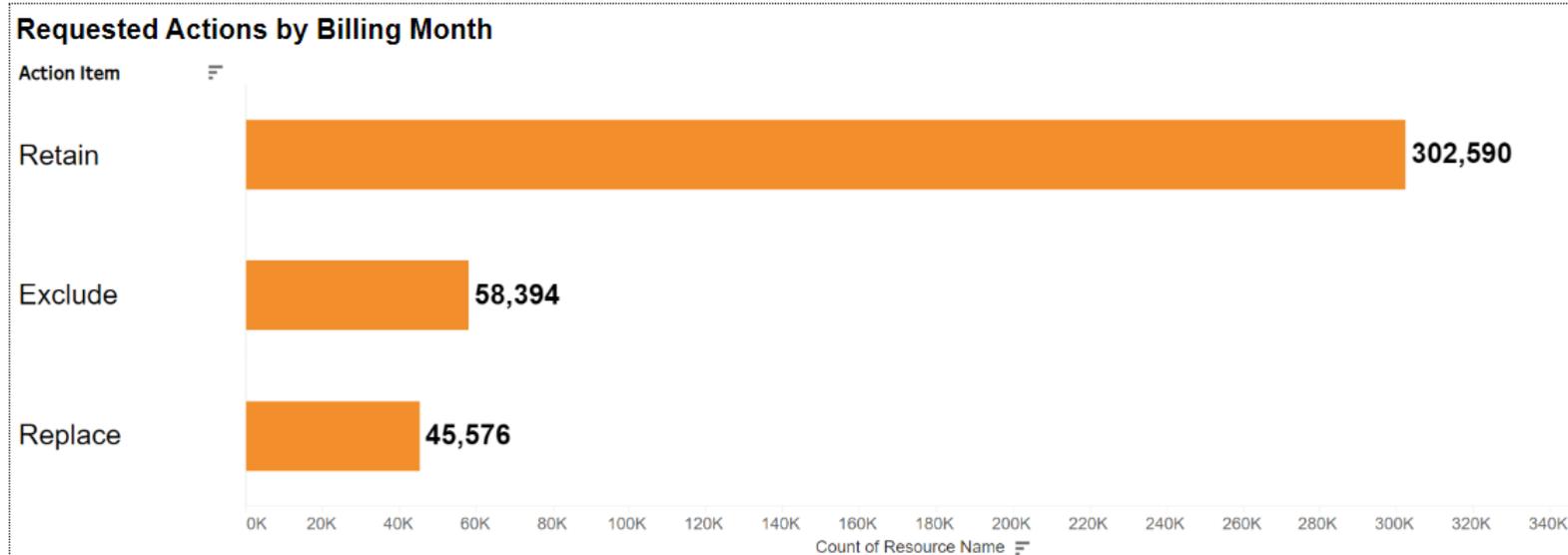
FOR INFORMATION

SUMMARY OF WESM REGISTRATION ON MUST DISPATCH GENERATING UNITS

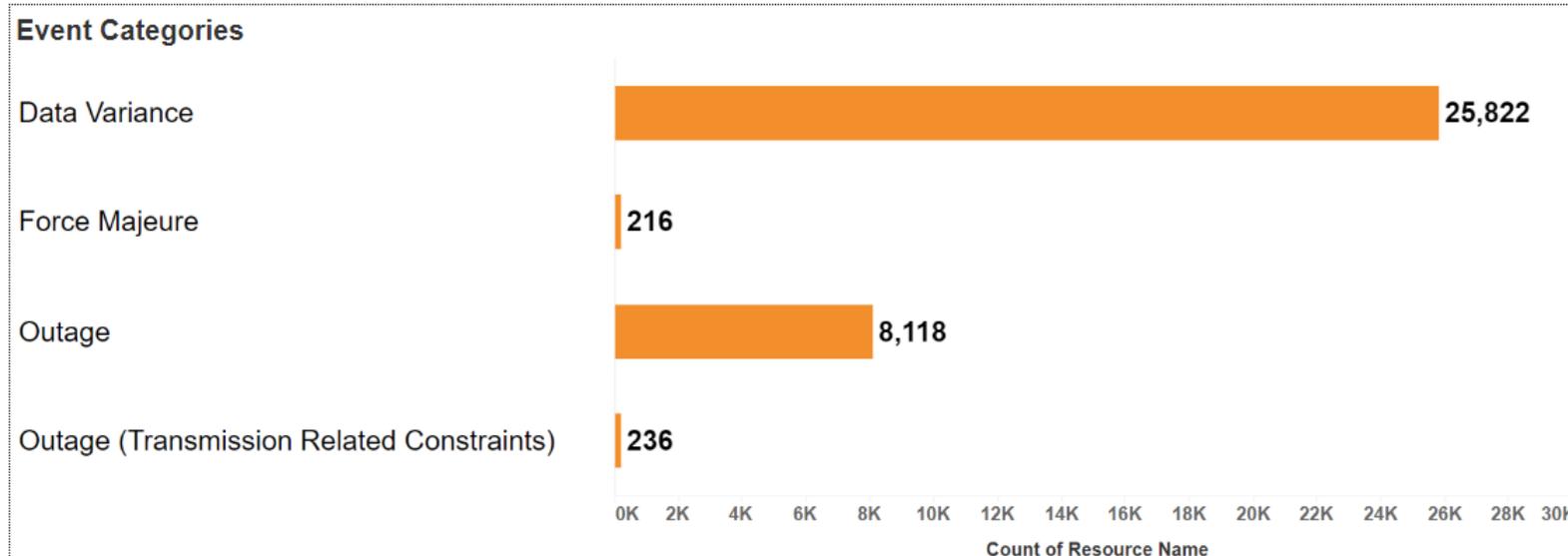
Technology	No. of Resources in Luzon	No. of Resources in Visayas	No. of Resources in Mindanao	Total
Run of River	17	2	14	33
Solar	35	12	5	52
Wind	5	2	0	7
Total	57	16	19	92

As of July 2023, there are **98** facilities registered as MDGU in the WESM. From the registered facilities, **92** facilities from Luzon and Visayas, and Mindanao regions are being monitored, **6** 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*)

TOTAL INTERVALS WITH REQUESTED ACTION & ECO ASSESSMENT - JULY 2023

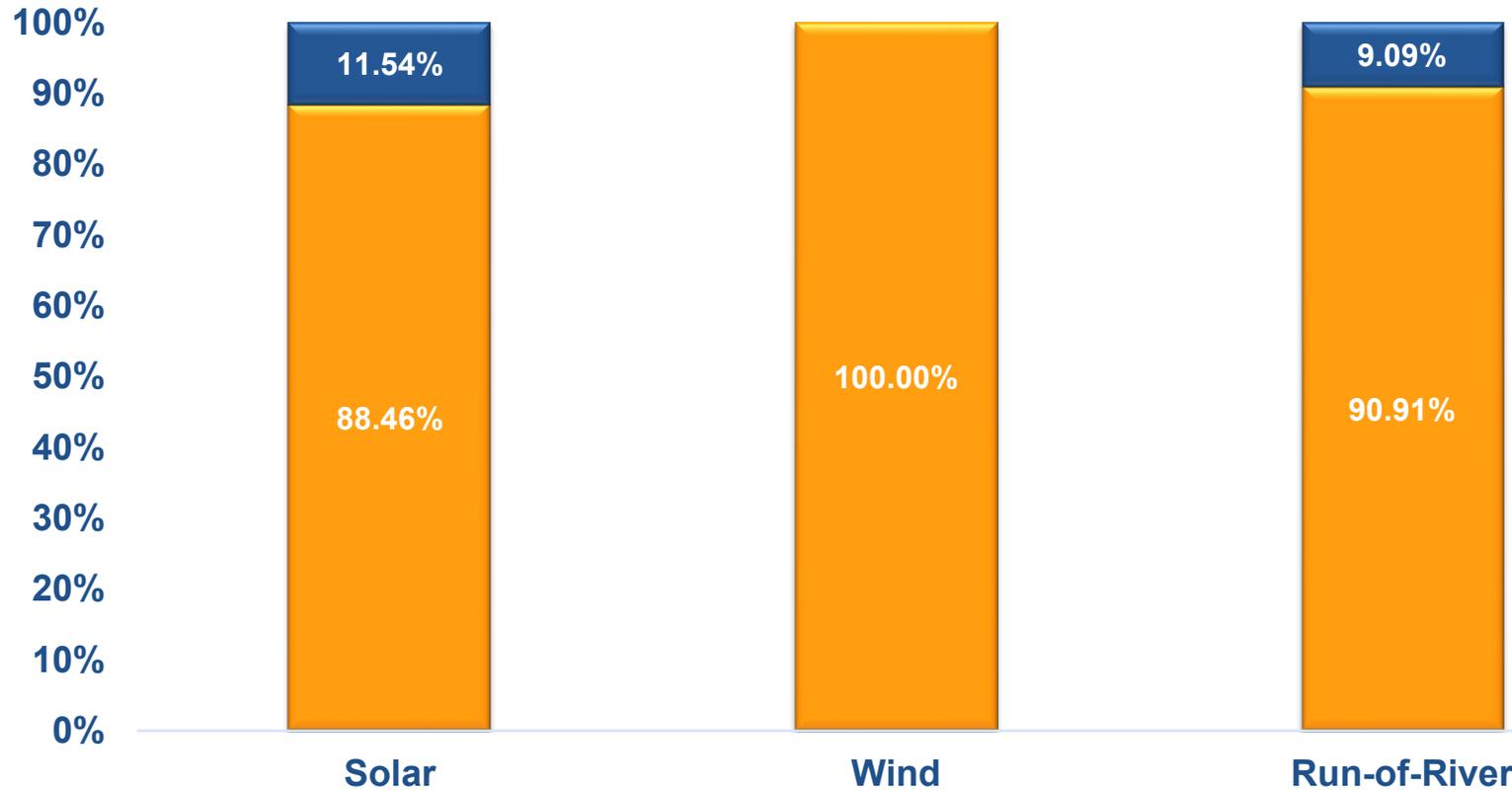
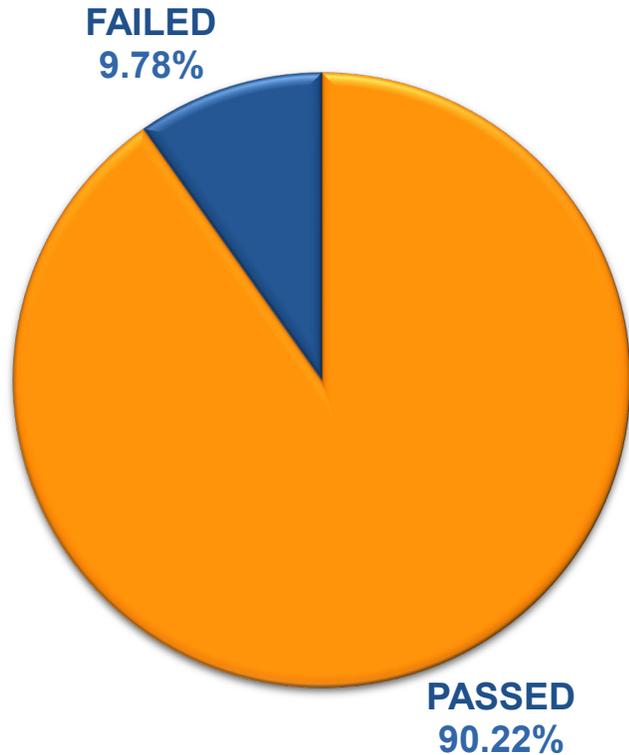


- ECO received a total of **58,394** intervals requesting exclusion and a total of **45,576** intervals requesting replacement due to possible Data Variance. The ECO also received a total of **302,590** intervals to retain results.



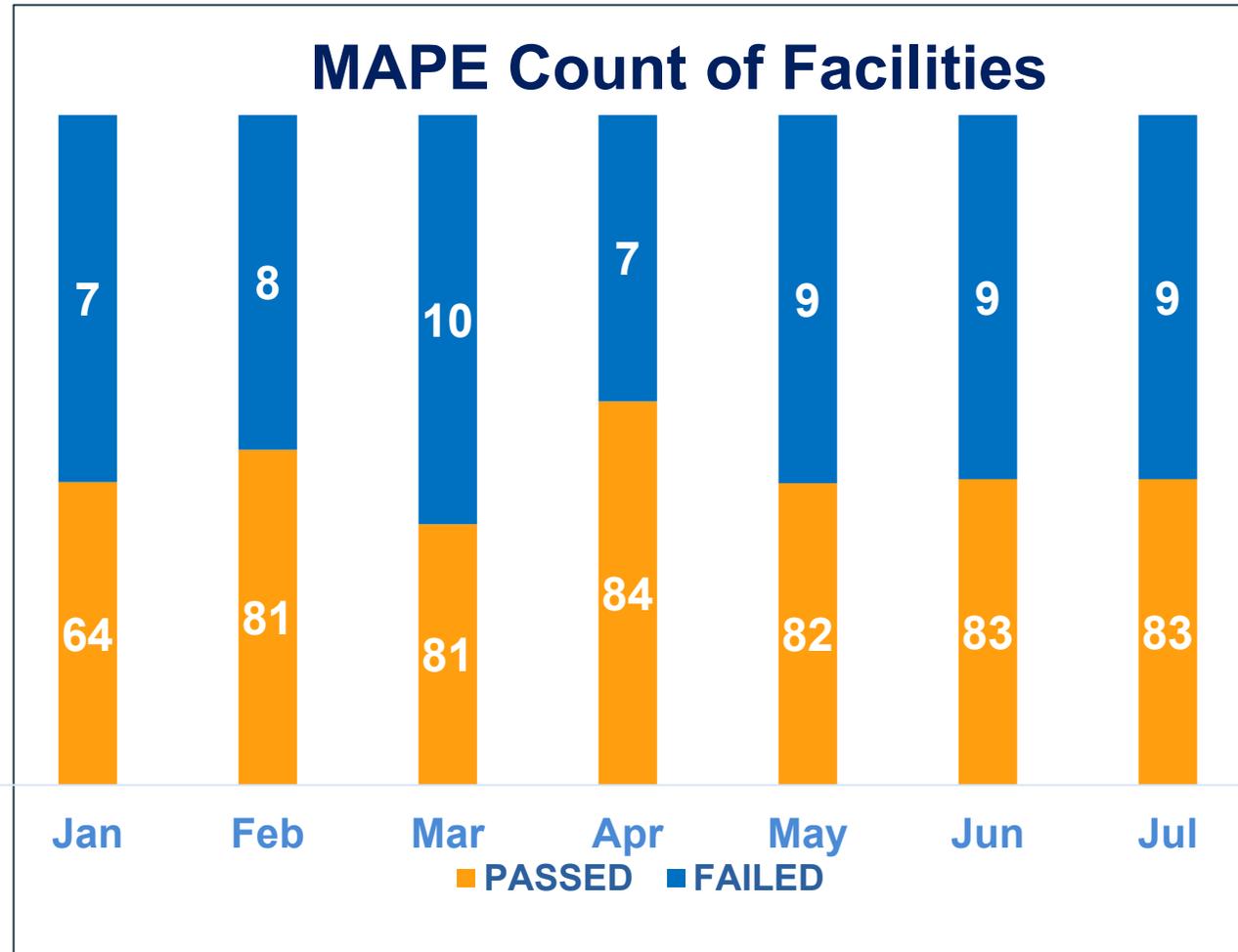
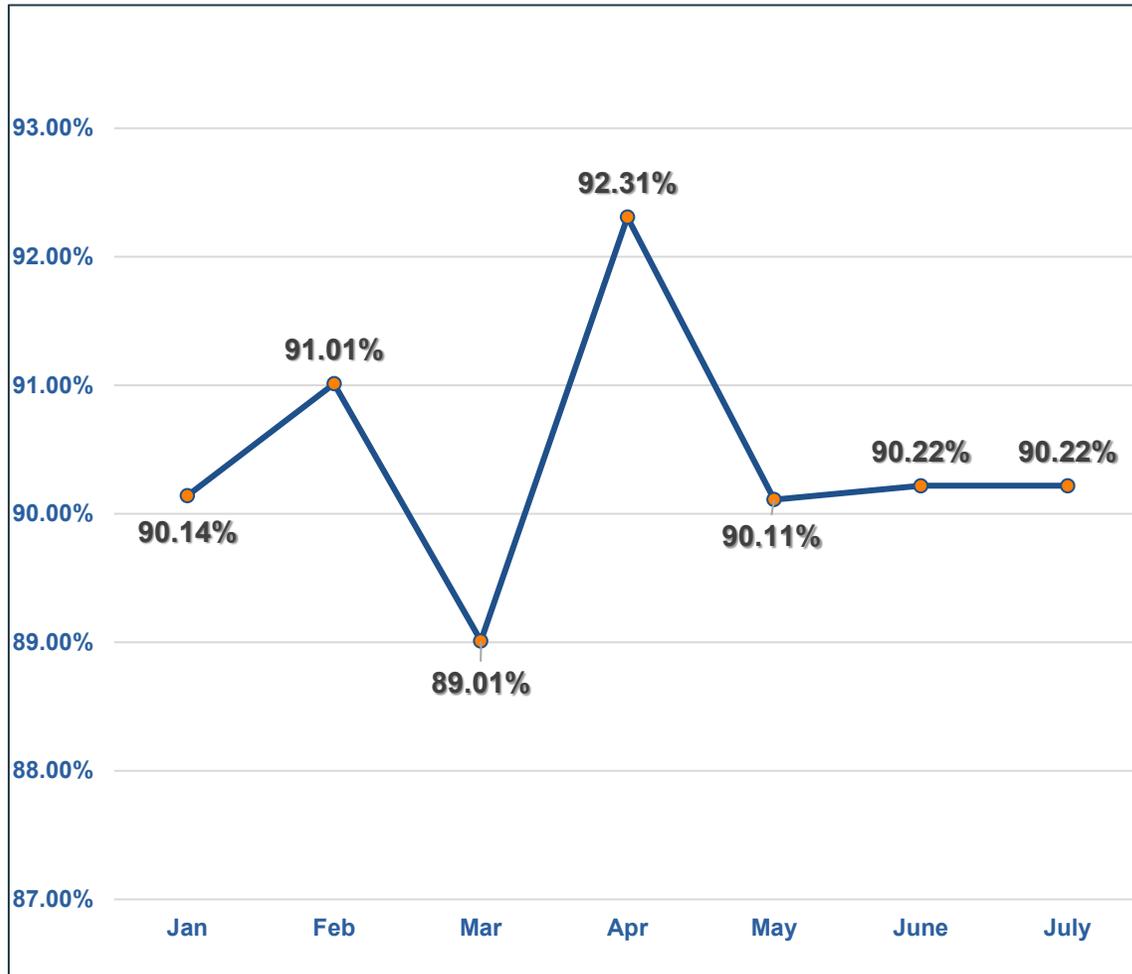
- Out of **58,394** intervals requesting exclusion, the ECO accepts **8,570** intervals (**14.68%** of the total intervals for exclusion).
- Out of **45,576** intervals requesting data replacement, **25,822** intervals were confirmed to be Data Variance (**56.65%** of the intervals for replacement).

JULY 2023 FINAL FAS REPORT (OVERALL PASSING RATE)



- 83 out of 92 facilities being monitored performed within the MAPE standards while 9 failed.
- 46 out of 52 Solar Power Plants, 30 out of 33 Run of River Power Plants, and 7 out of 7 Wind Power Plants passed the MAPE standards

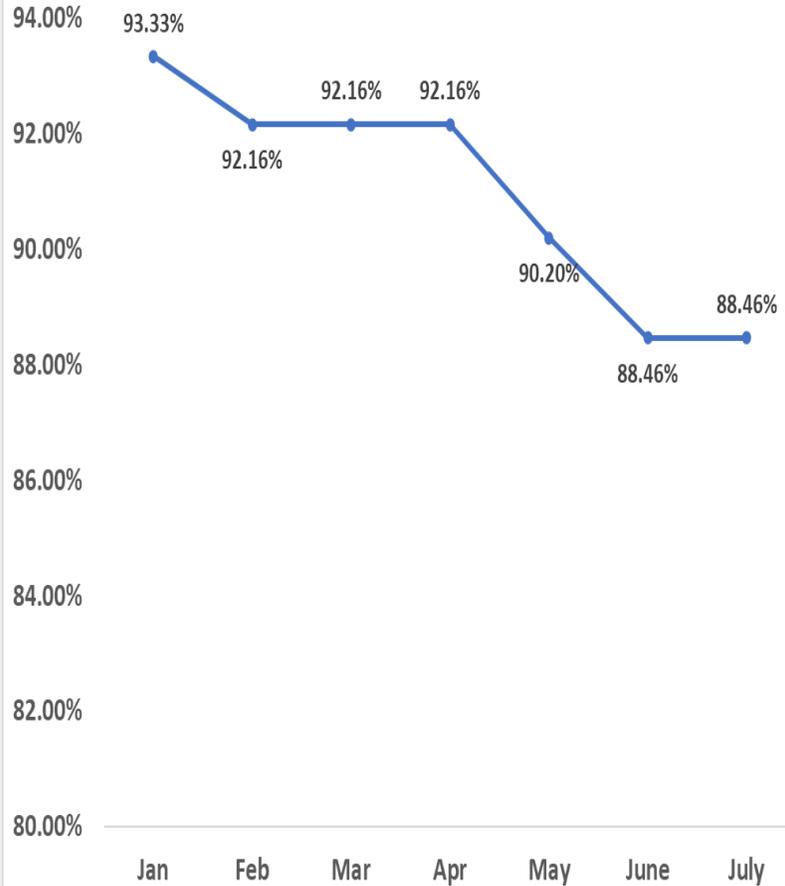
PASSING RATE TREND – MAPE FINAL RESULT



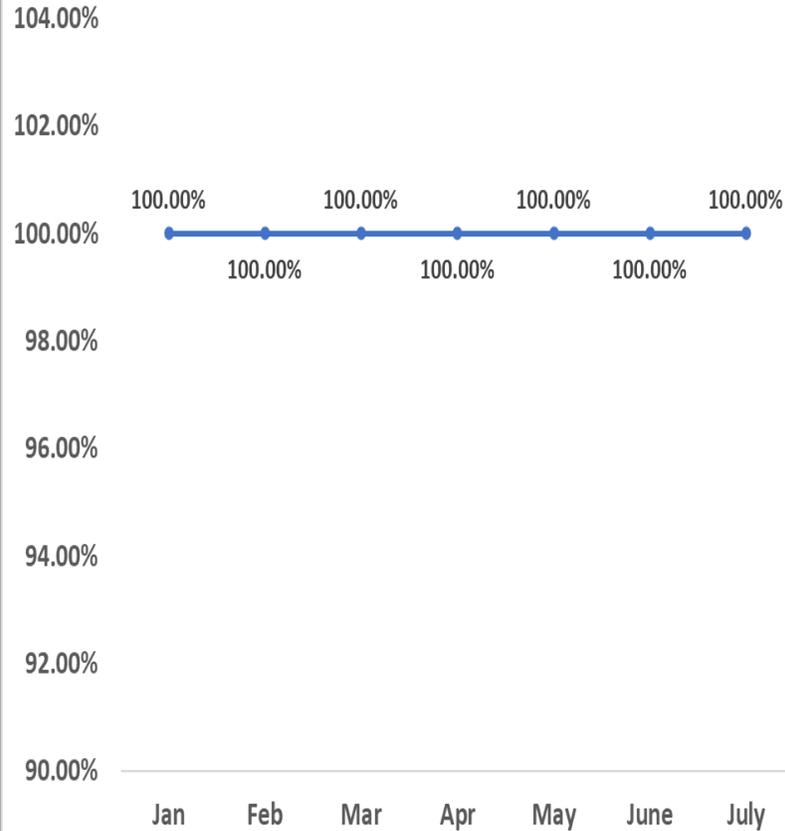
From the **Final MAPE result (January to July 2023)**, the average passing rate is **90.43%**, and the average count of passing plant is **80**.

PASSING RATE TREND – MAPE

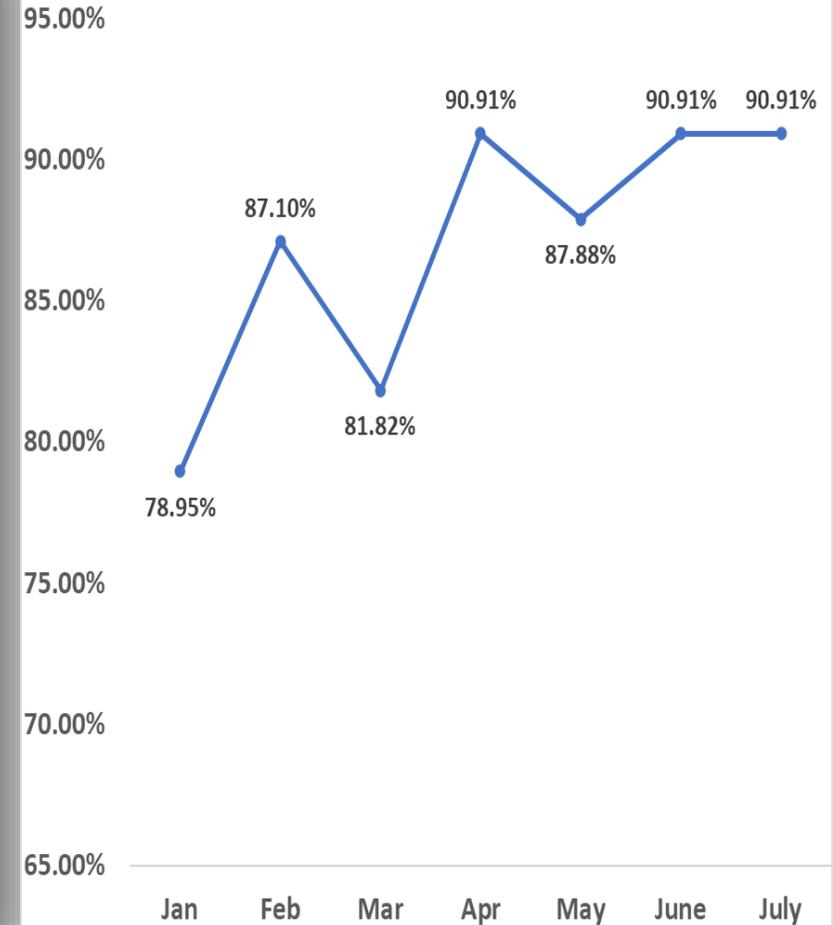
Solar



Wind



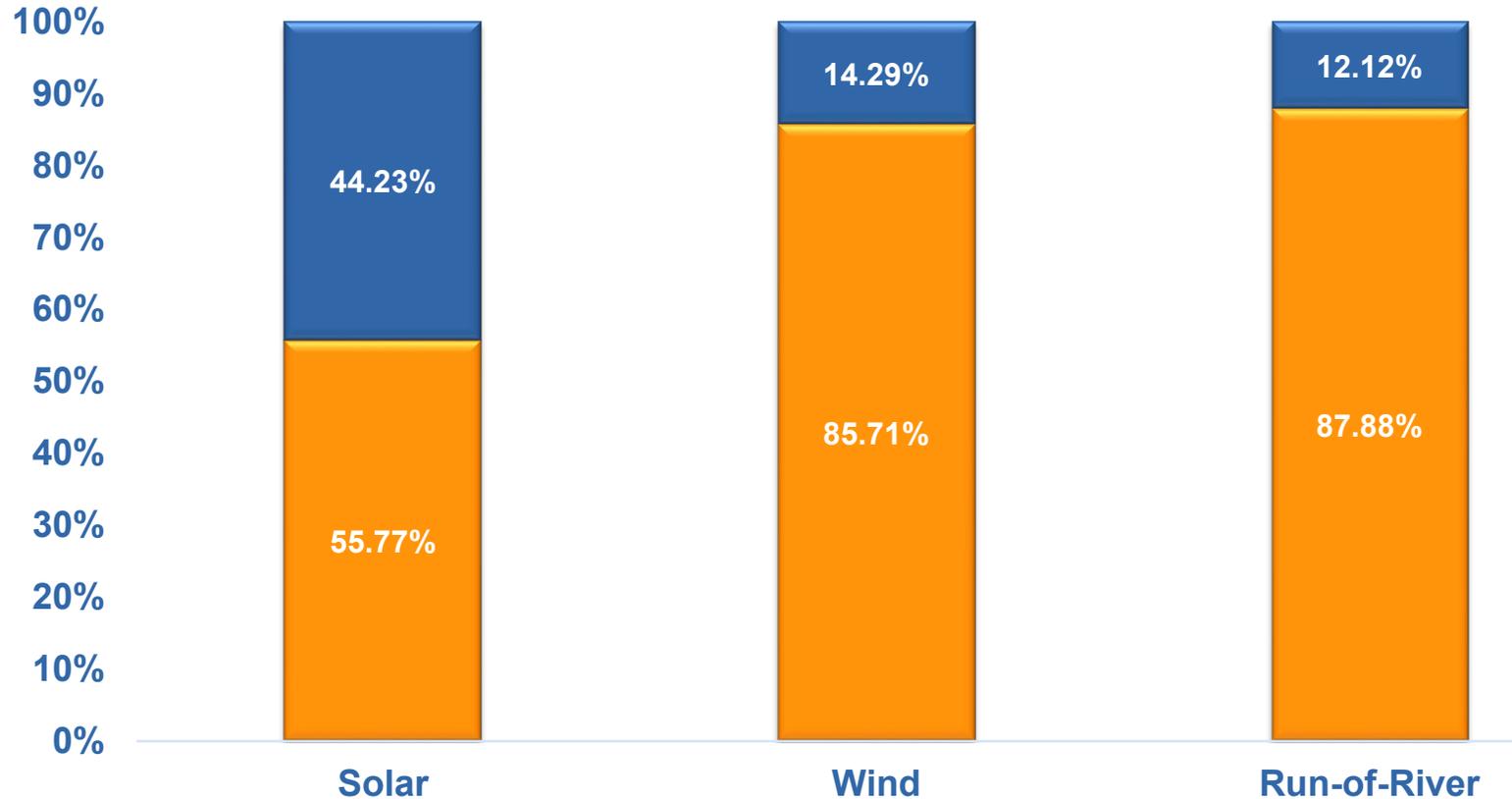
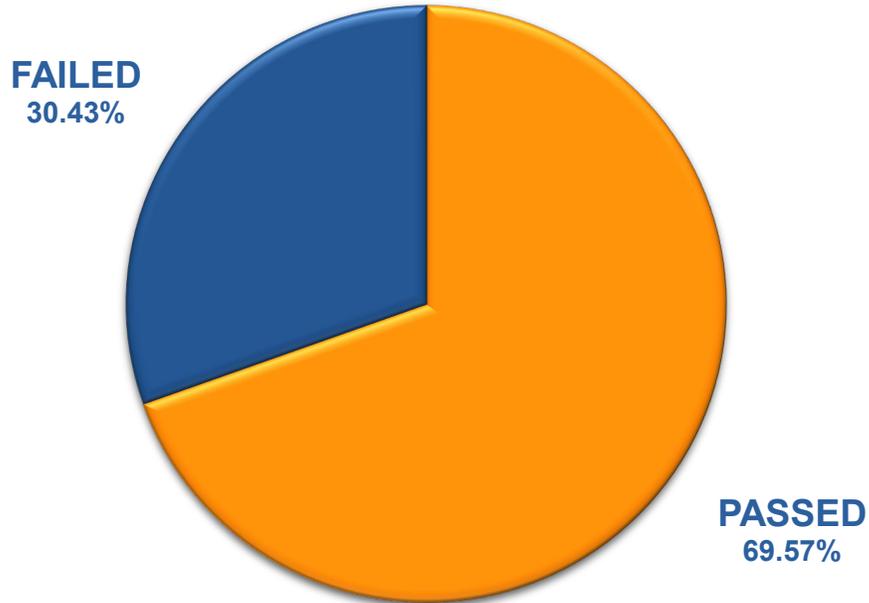
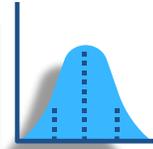
Run-of-River



- The average passing rates of Solar, Wind and ROR Power Plants from the final result are **90.99%**, **100.00%** and **86.92%**, respectively.

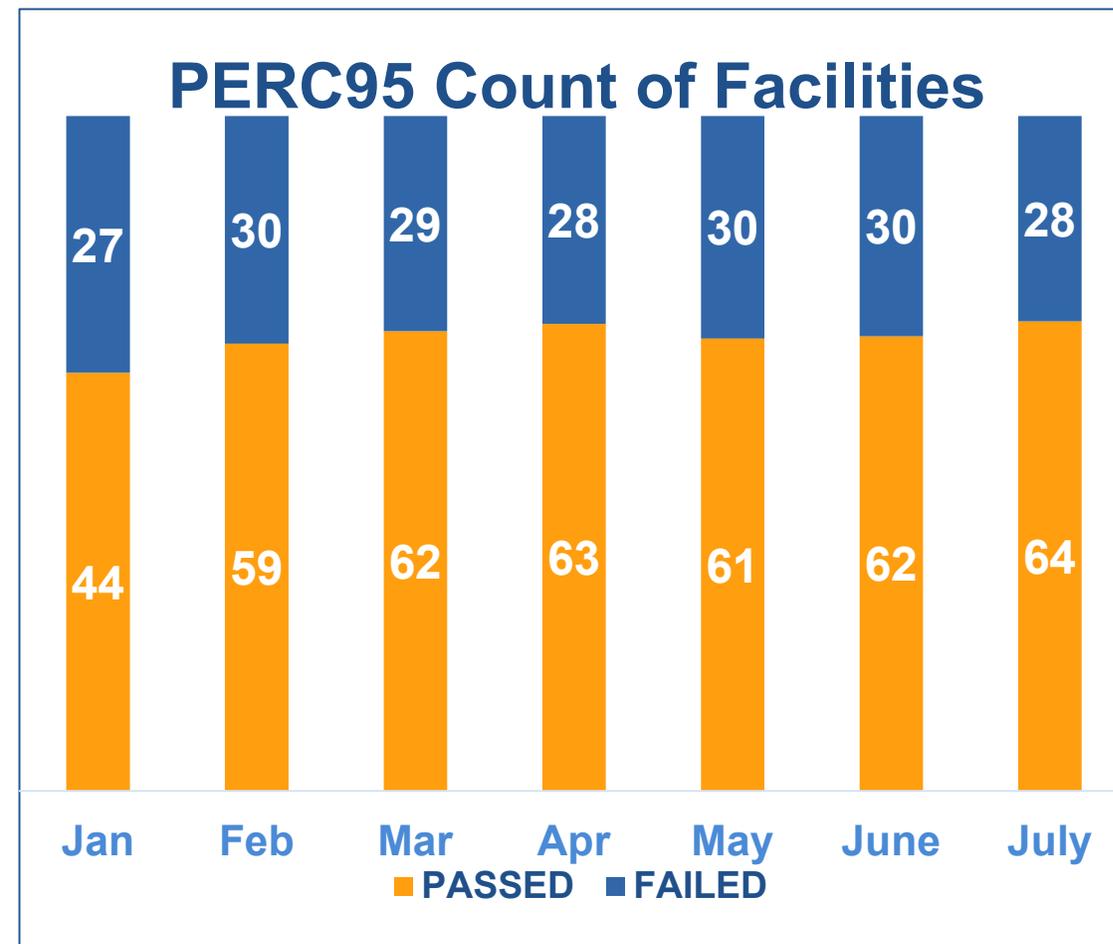
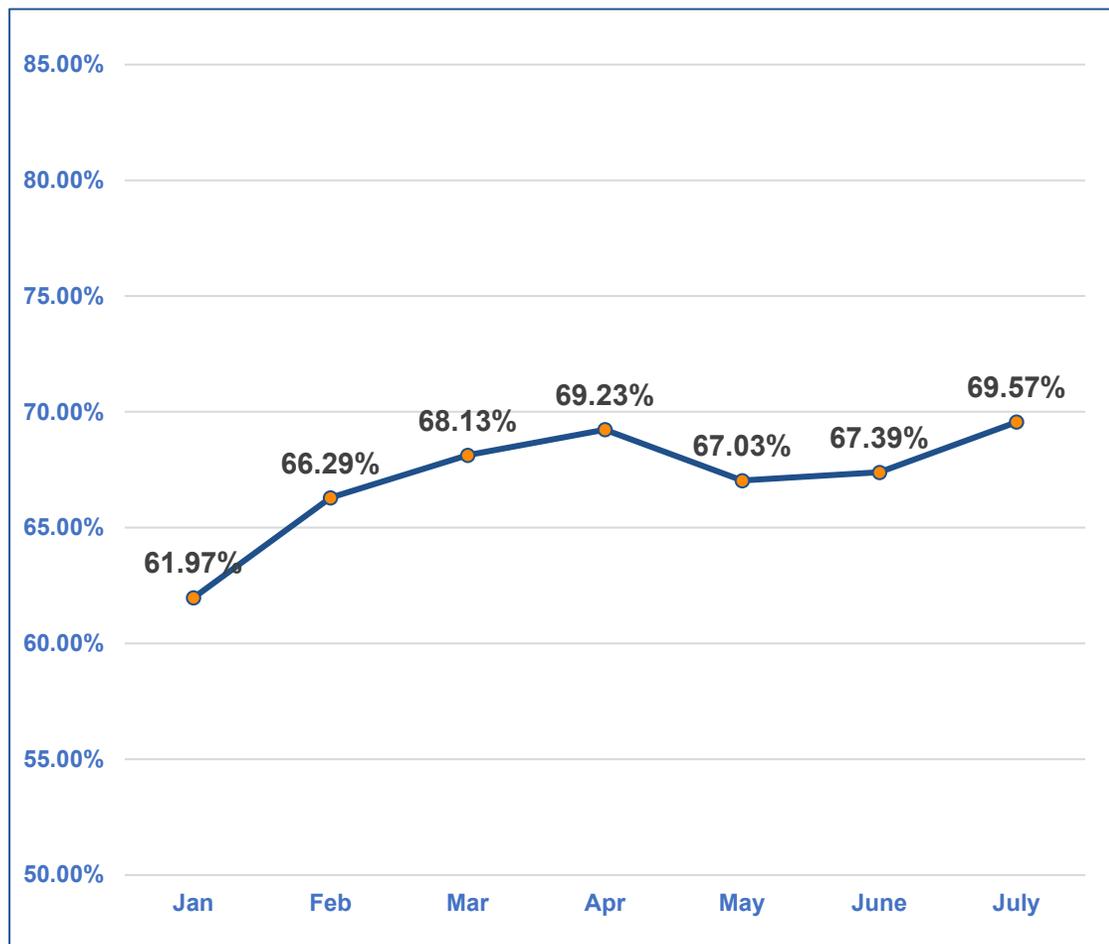
JULY 2023 FINAL FAS REPORT (OVERALL PASSING RATE)

PERC95



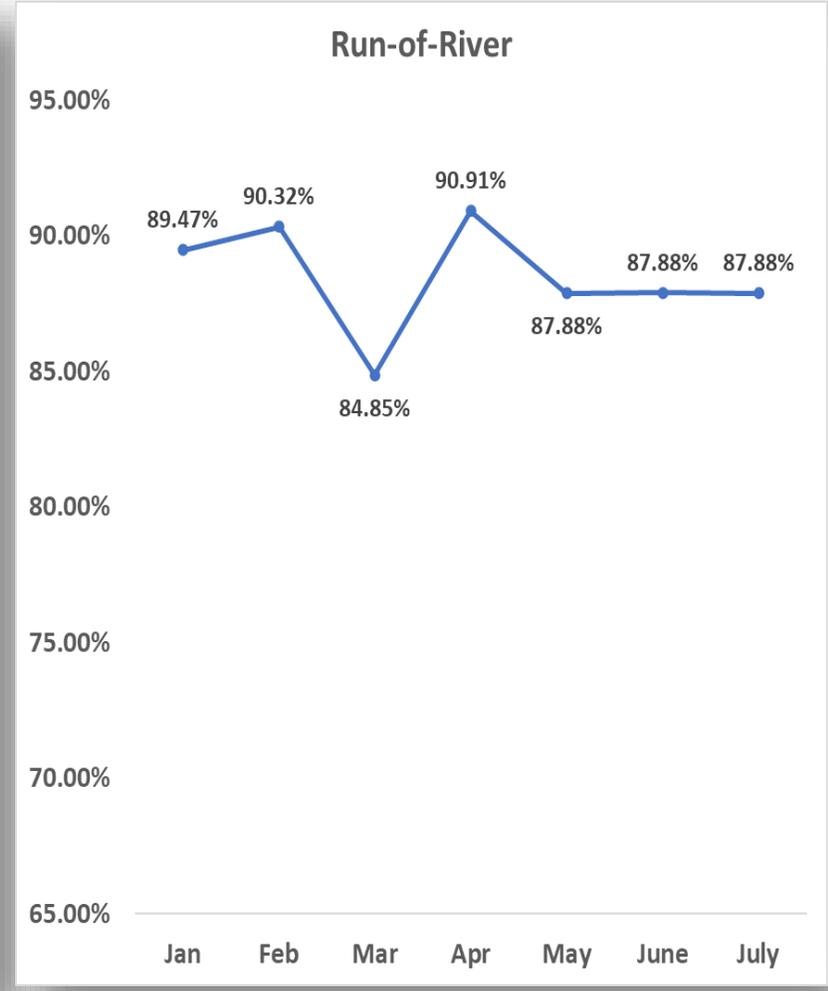
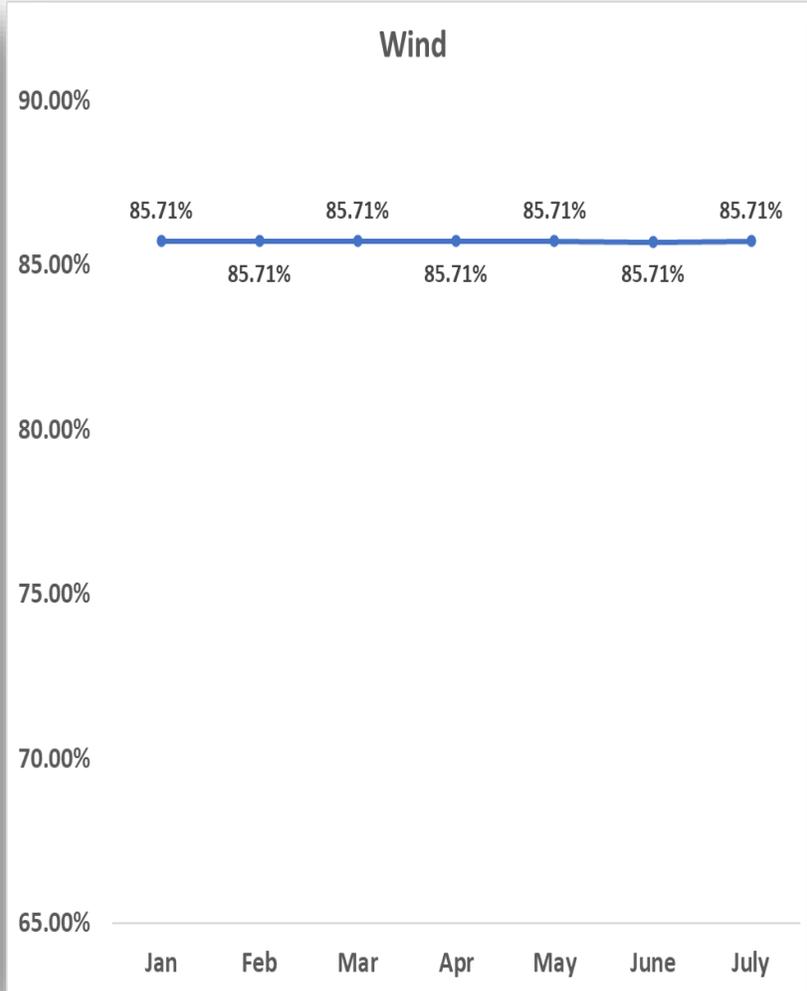
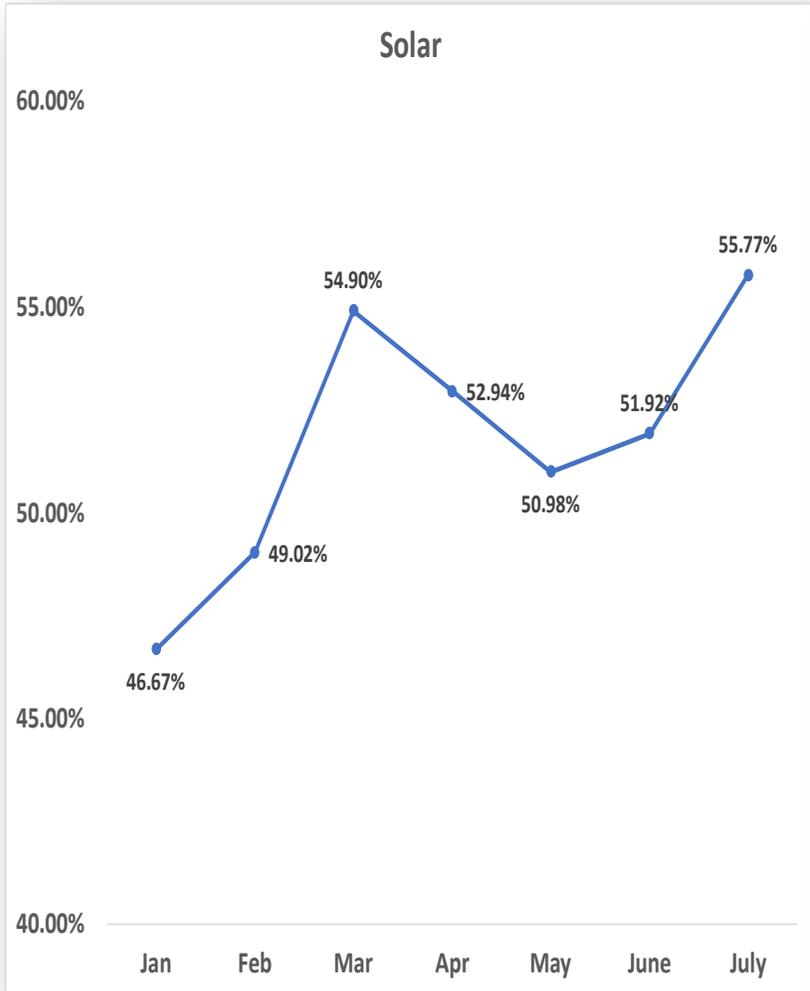
- 64 out of 92 facilities being monitored performed within the PERC95 standards while 28 failed.
- 29 out of 52 Solar Power Plants, 29 out of 33 Run of River Power Plants, and 6 out of 7 Wind Power Plants passed the PERC95 standards.

PASSING RATE TREND – PERC95



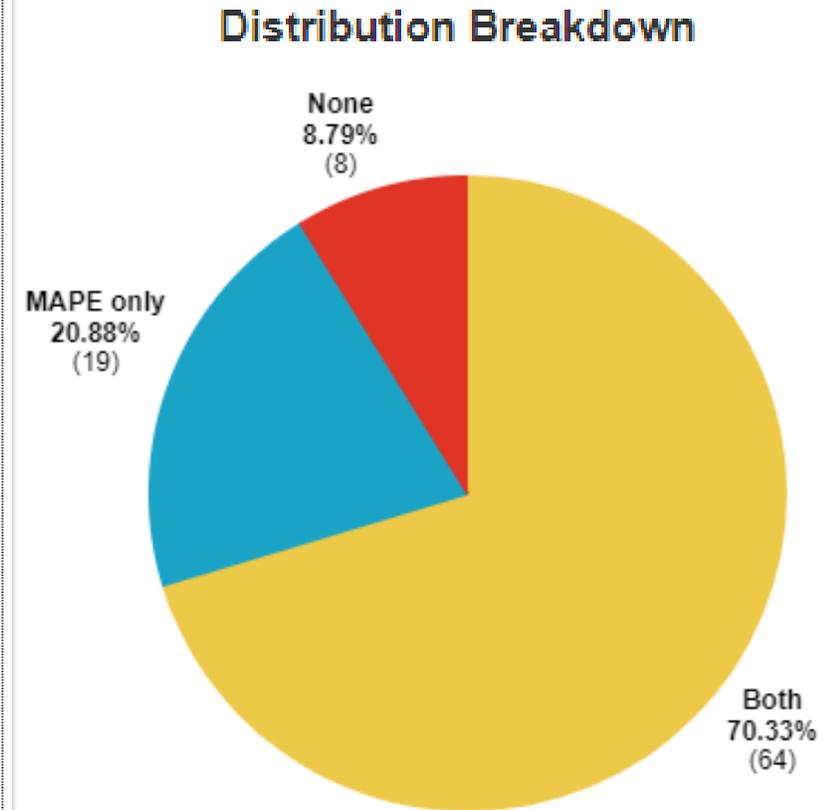
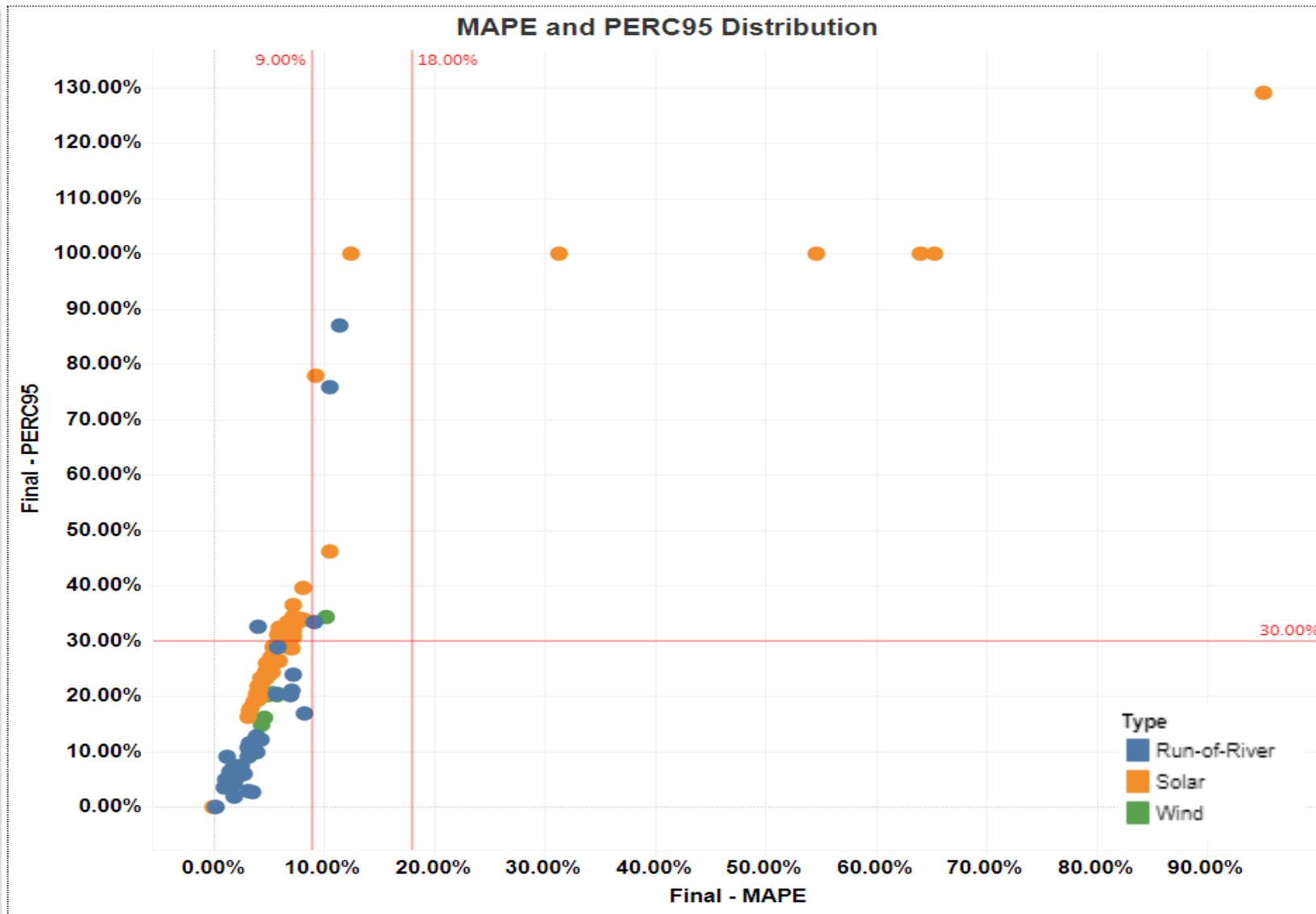
- From the **Final PERC95 result (January to July 2023)**, the average passing rate is **67.09%**, and the average count of passing plant is **59**.

PASSING RATE TREND – PERC95



- The average passing rates of Solar, Wind and ROR Power Plants from the final result are **51.74%**, **85.71%** and **88.46%**, respectively.

JULY 2023 FINAL FAS REPORT (OVERALL PASSING RATE)



REQUESTED ACTION

FOR INFORMATION

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