



Philippine Electricity
Market Corporation

MONTHLY FORECAST ACCURACY STANDARDS RESULT

November FAS Result (2023)

21 February 2024 | MS Teams

REQUESTED ACTION

FOR INFORMATION

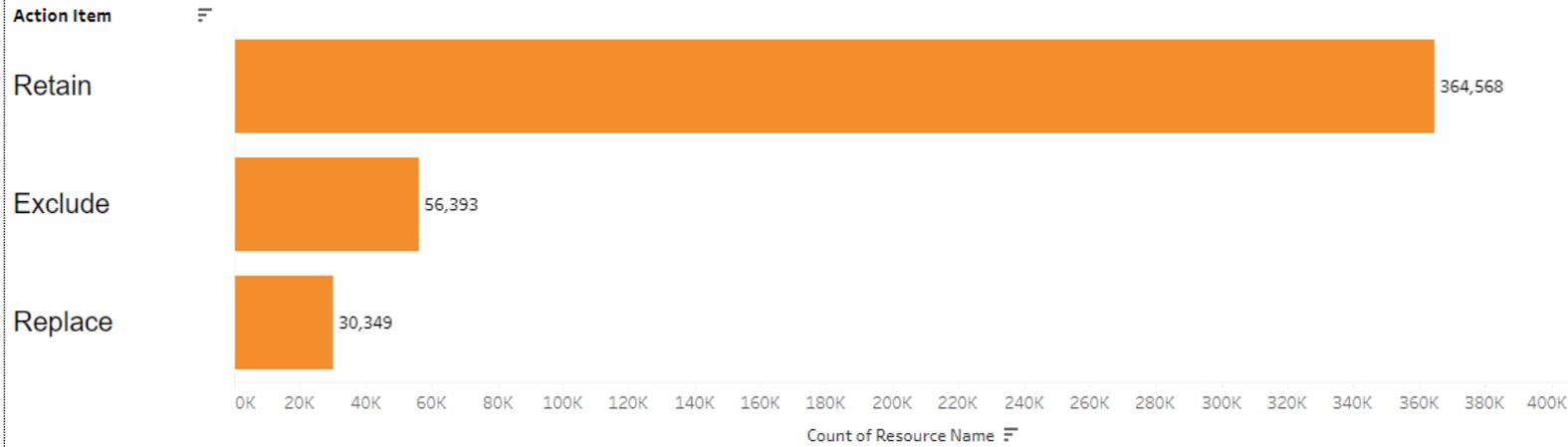
SUMMARY OF WESM REGISTRATION ON MUST DISPATCH GENERATING UNITS

Technology	No. of Resources in Luzon	No. of Resources in Visayas	No. of Resources in Mindanao	Total
Run of River	18	3	14	35
Solar	37	12	5	54
Wind	5	2	0	7
Total	60	17	19	96

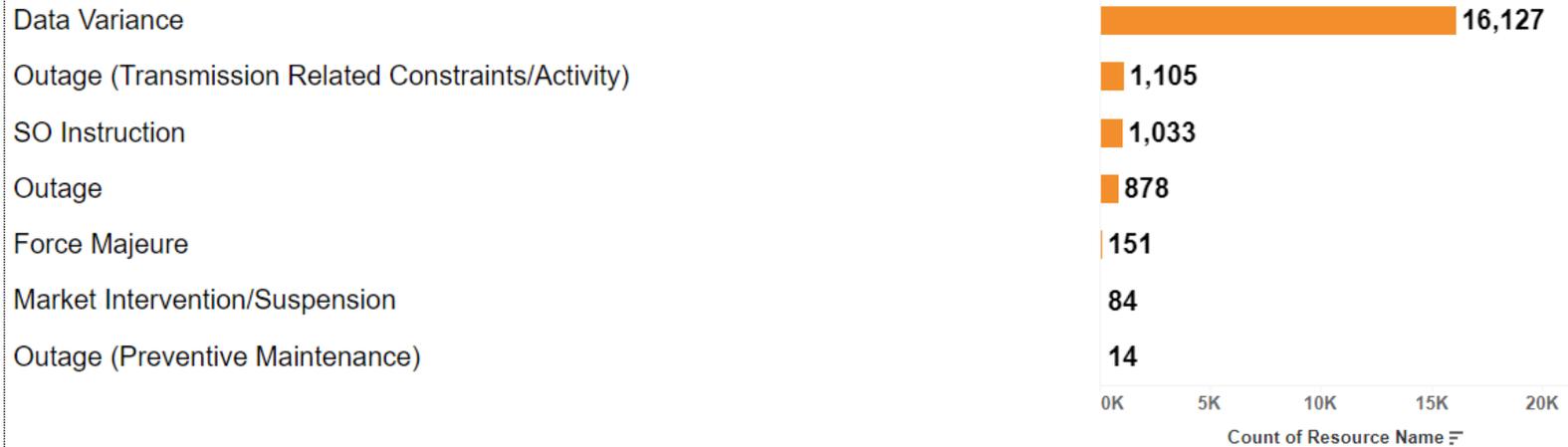
As of November 2023, there are **104** facilities registered as MDGU in the WESM. From the registered facilities, **96** facilities from Luzon, Visayas, and Mindanao regions are being monitored, **8** facilities are under test and commissioning, and Mindanao facilities are being monitored after the declaration 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 - NOVEMBER 2023

Requested Actions by Billing Month



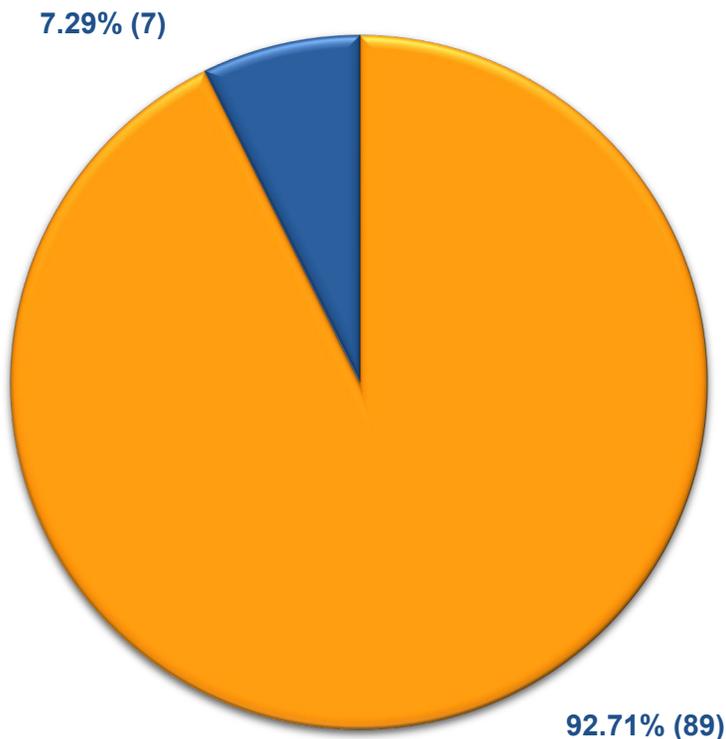
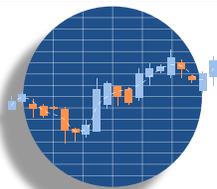
Event Categories



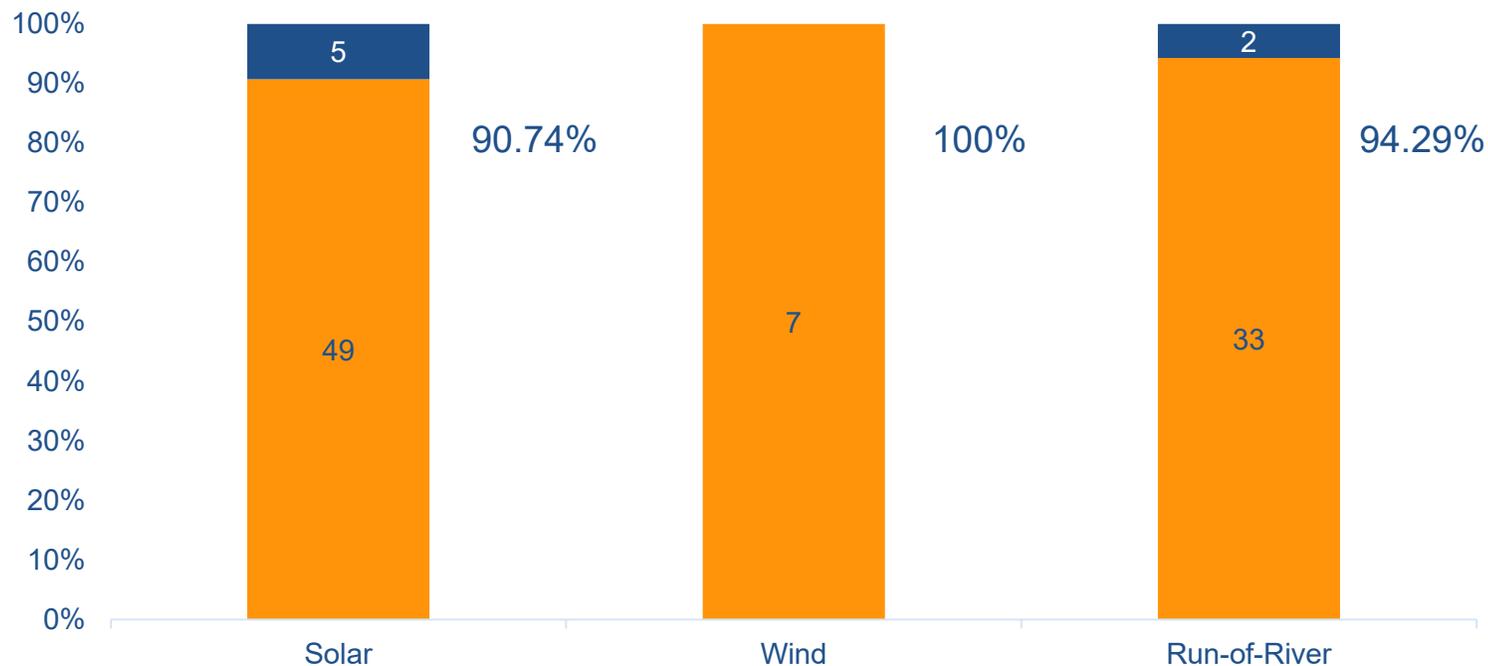
- ECO received a total of **30,349** intervals requesting replacement due to possible Data Variance and a total of **56,393** intervals requesting exclusion. The ECO also received a total of **364,568** intervals to retain results.
- Out of **30,349** intervals requesting data replacement, **16,127** intervals were confirmed to be Data Variance (**53.14%** of the intervals for replacement).
- Out of **55,804** intervals requesting exclusion, the ECO accepts **3,362** intervals (**6.02%** of the total intervals for exclusion).

NOVEMBER 2023 FINAL FAS REPORT (OVERALL PASSING RATE)

MAPE

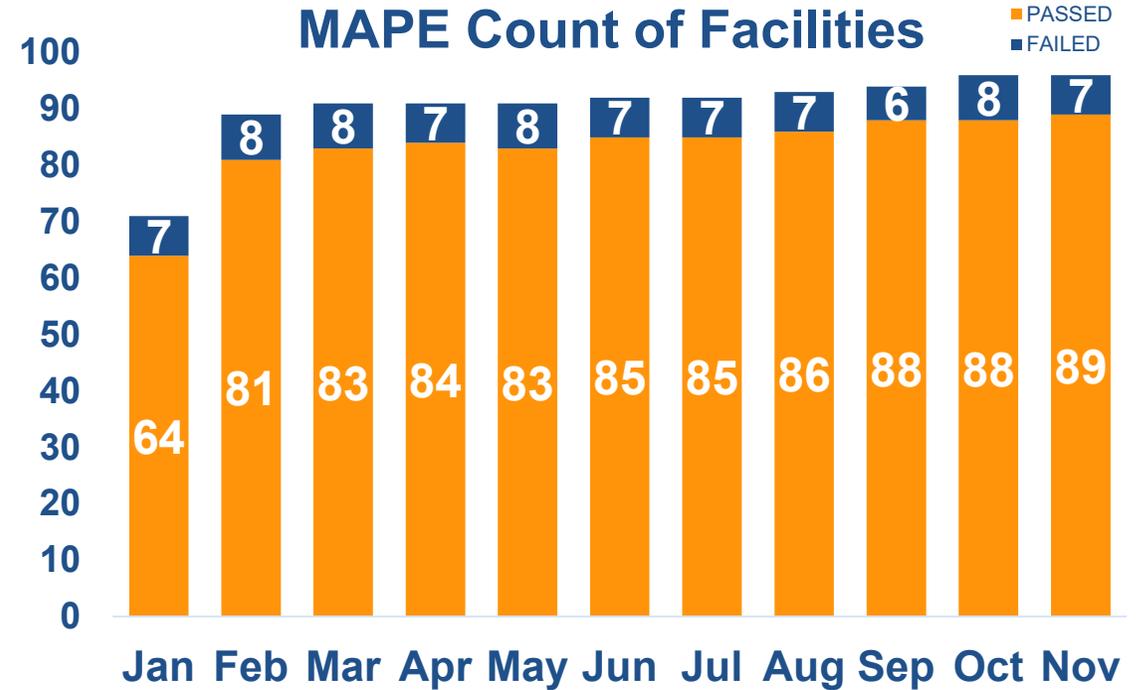
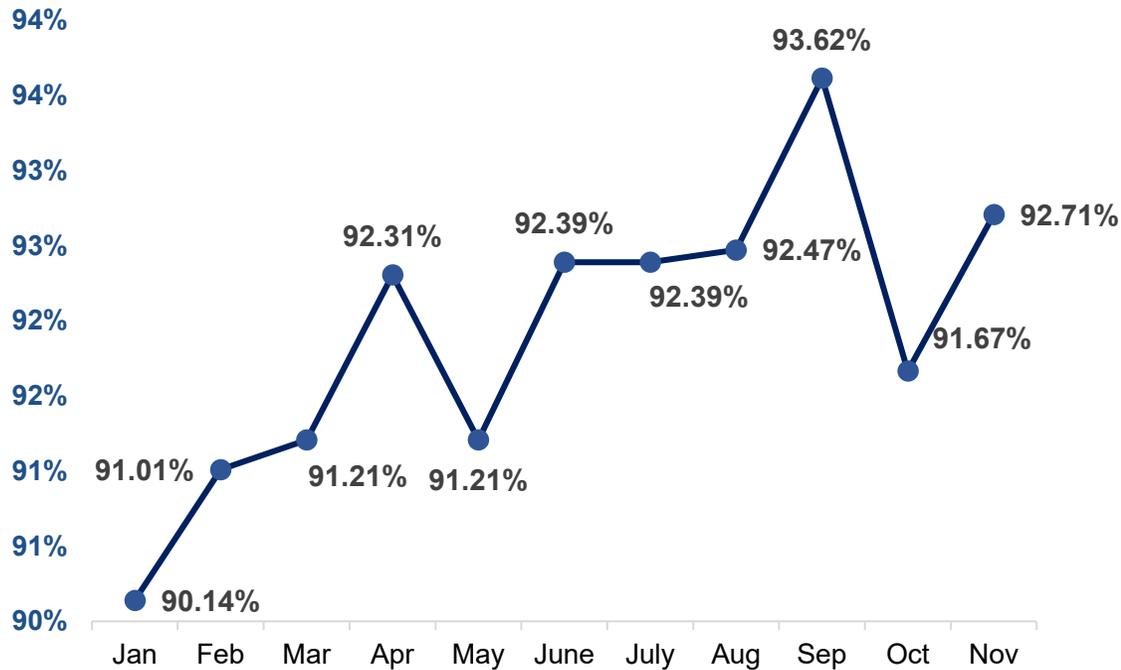


Passing Rate per Technology



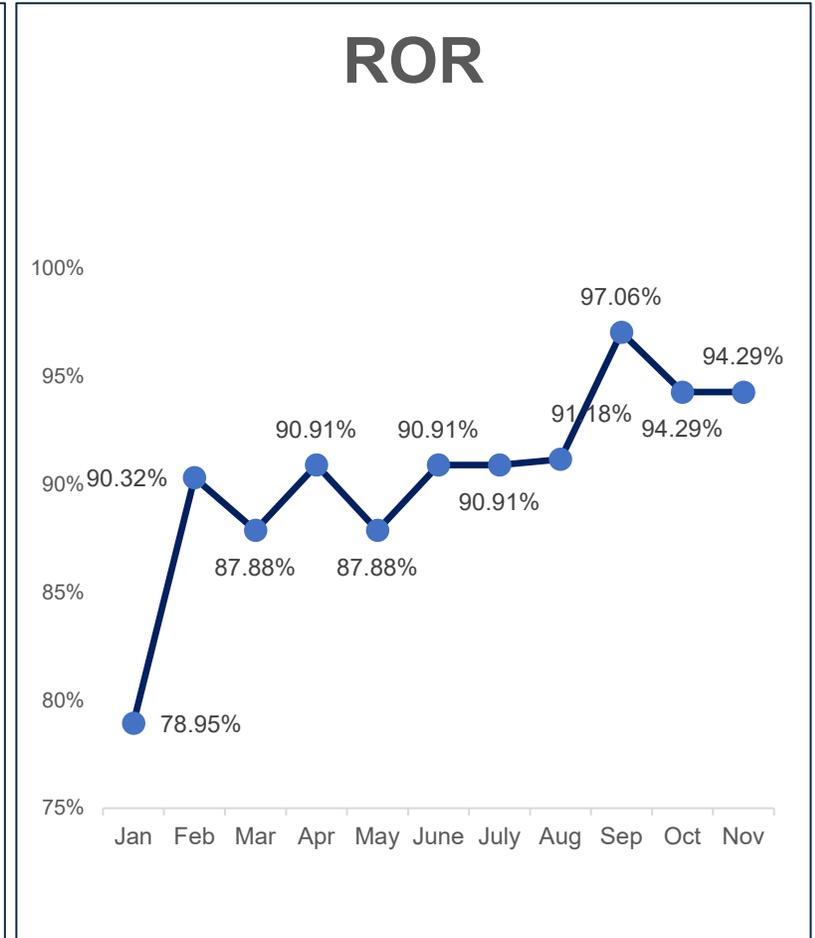
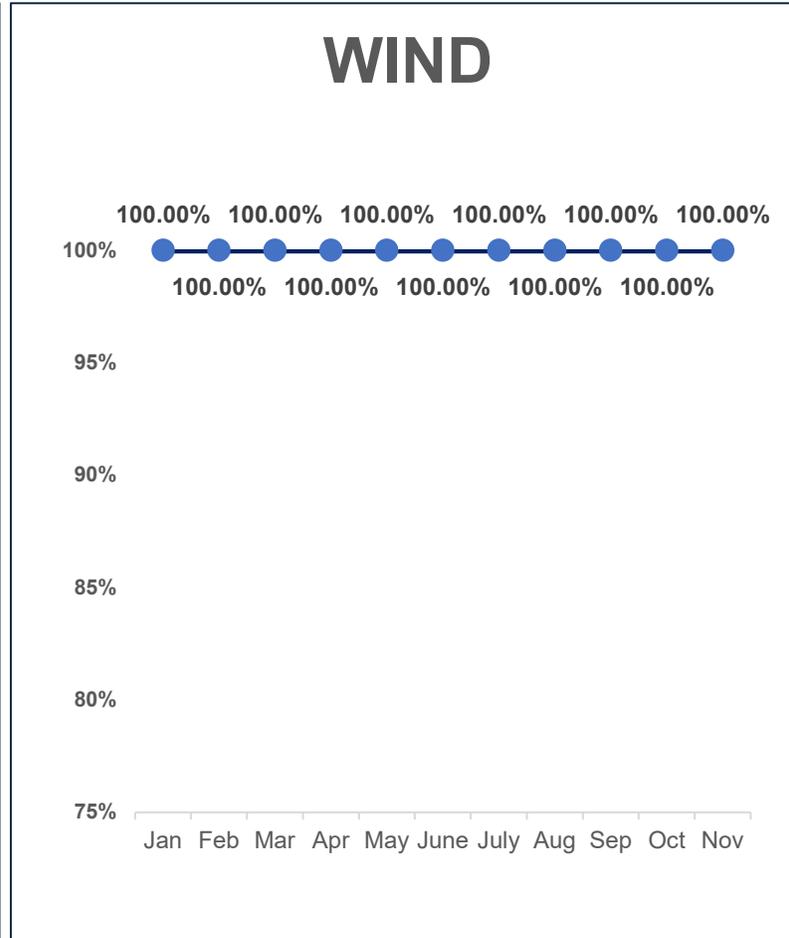
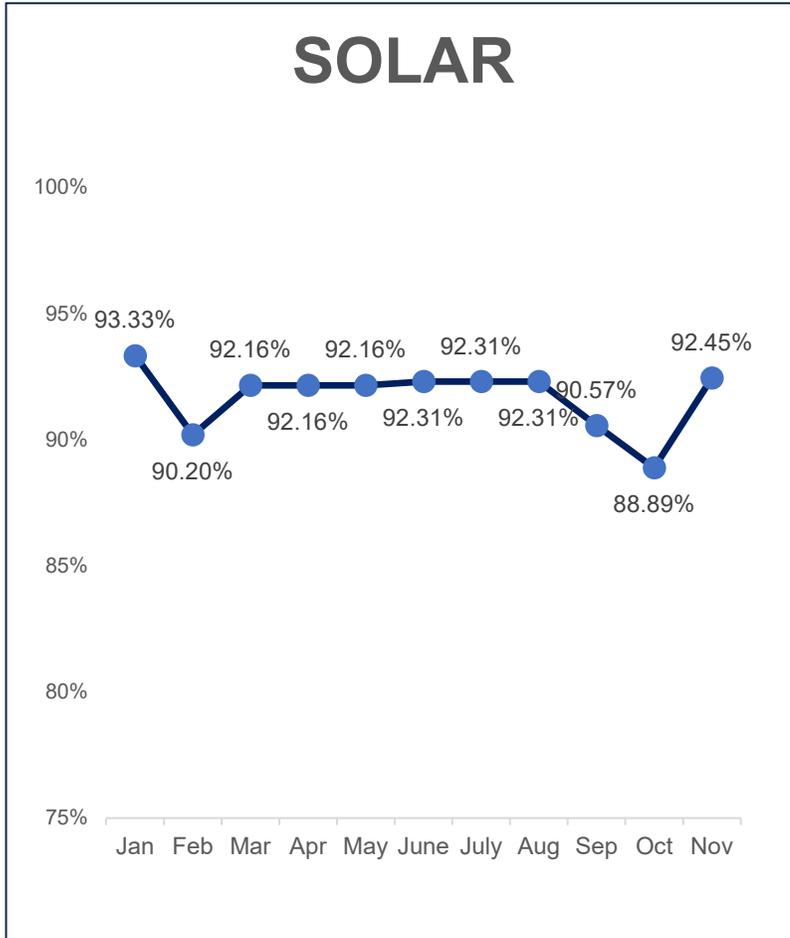
- 89 out of 96 facilities being monitored performed within the MAPE standards while 7 failed.
- 49 out of 54 Solar Power Plants, 7 out of 7 Wind Power Plants passed the MAPE standards, and 33 out of 35 Run of River Power Plants.

PASSING RATE TREND – MAPE FINAL RESULT



From the **Final MAPE result (January to November 2023)**, the average passing rate is **91.92%**, and the average count of passing plant is **83**.

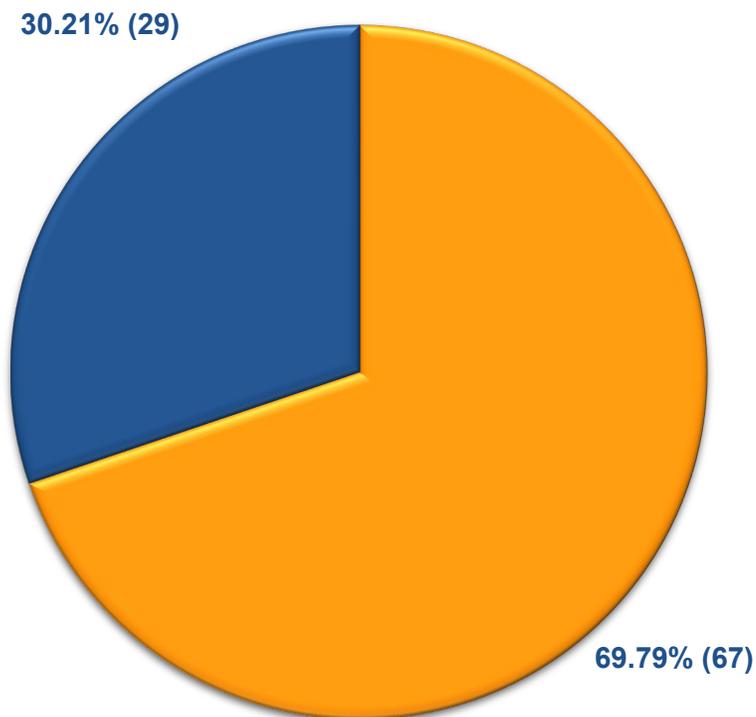
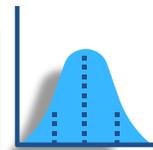
PASSING RATE TREND – MAPE



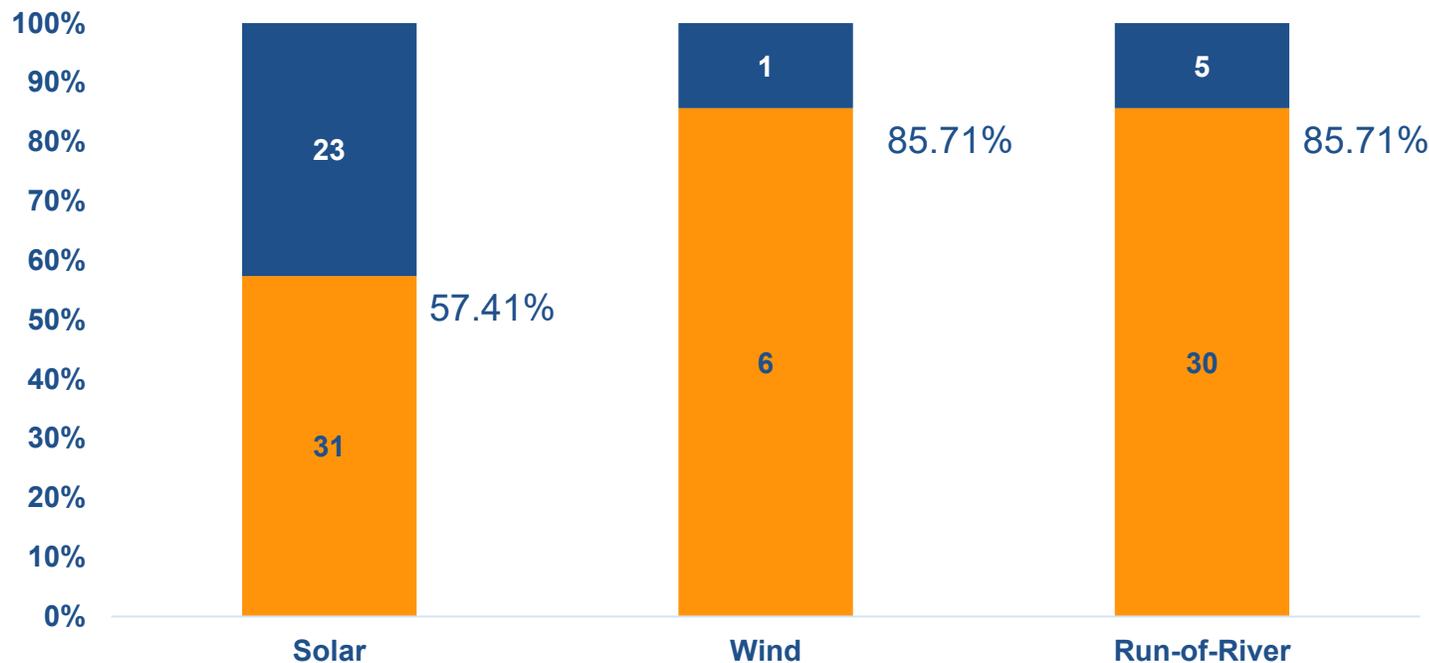
- The average passing rates of Solar, Wind and ROR Power Plants from the final result are **91.71%**, **100.00%** and **90.41%**, respectively.

NOVEMBER 2023 FINAL FAS REPORT (OVERALL PASSING RATE)

PERC95

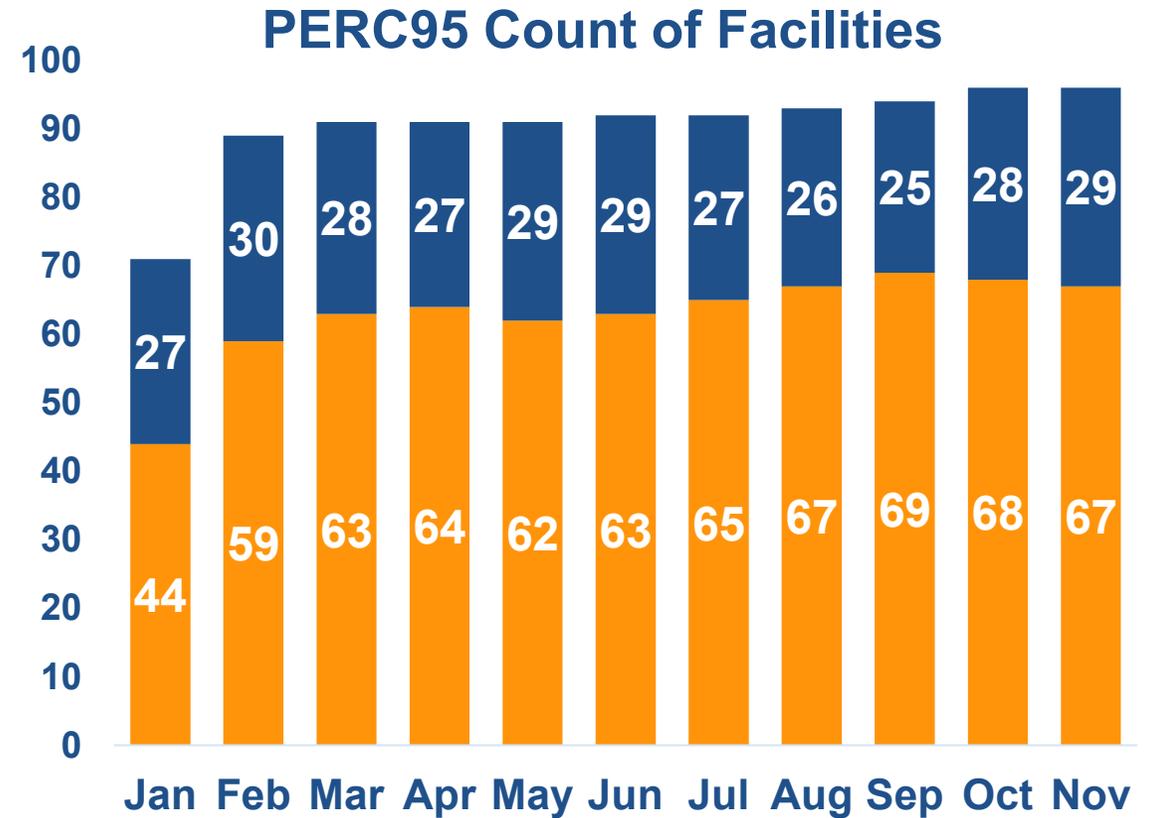
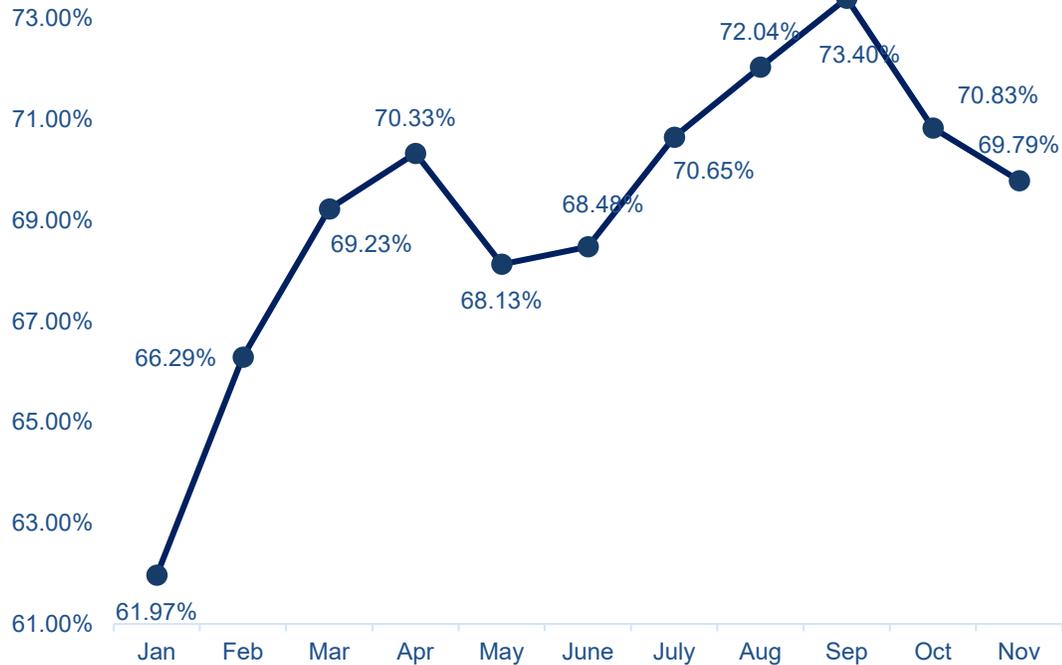


Passing Rate per Technology



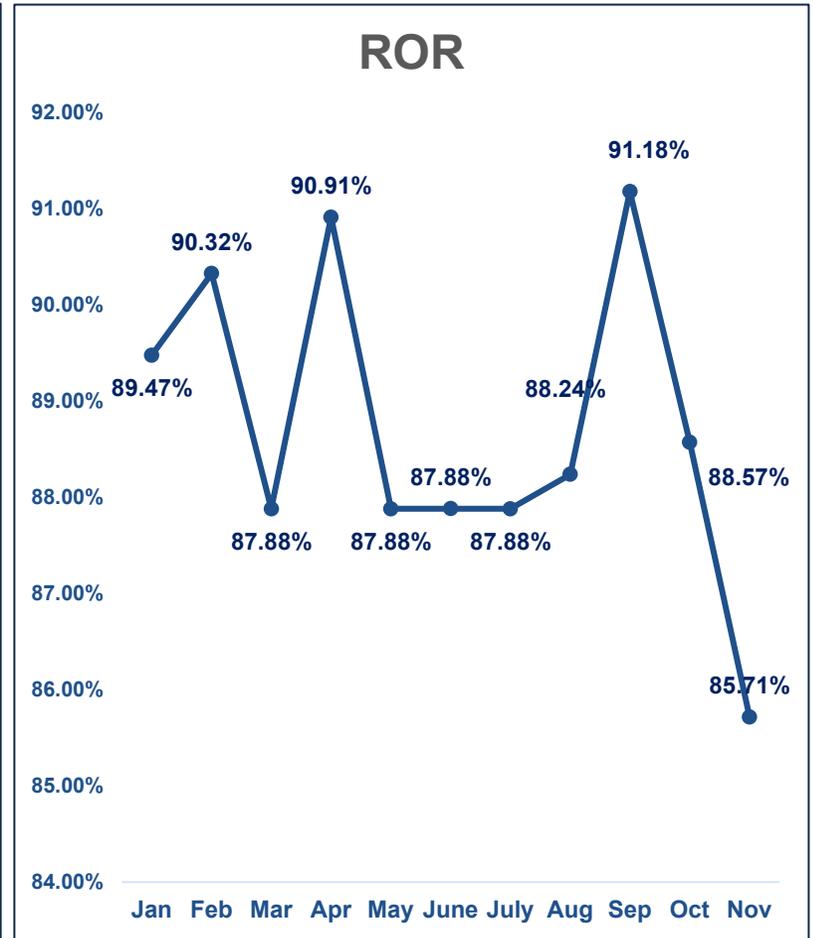
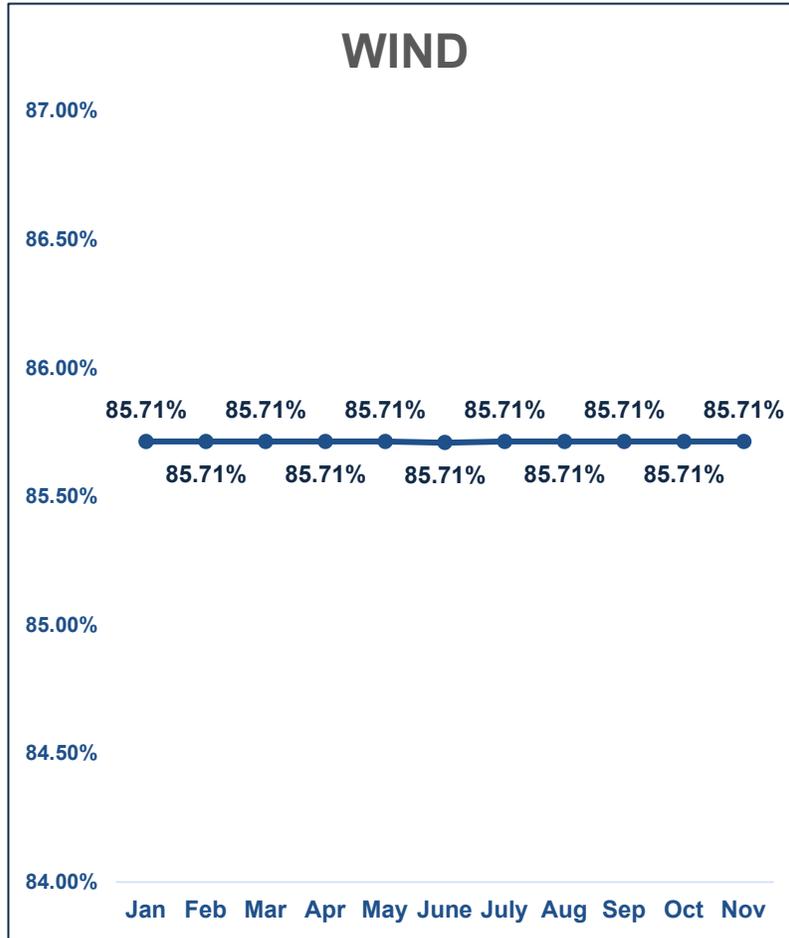
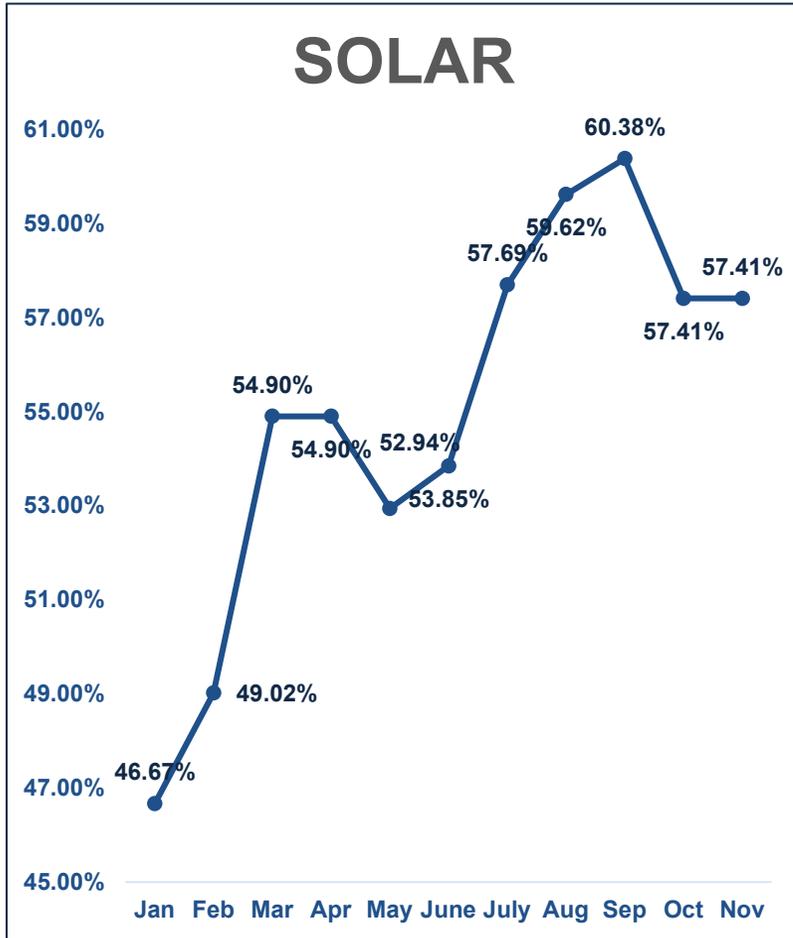
- 67 out of 96 facilities being monitored performed within the PERC95 standards while 29 failed.
- 31 out of 54 Solar Power Plants, 6 out of 7 Wind Power Plants, and 30 out of 35 Run of River Power Plants passed the PERC95 standards.

PASSING RATE TREND – PERC95



- From the **Final PERC95 result (January to November 2023)**, the average passing rate is **69.20%**, and the average count of passing plant is **62**.

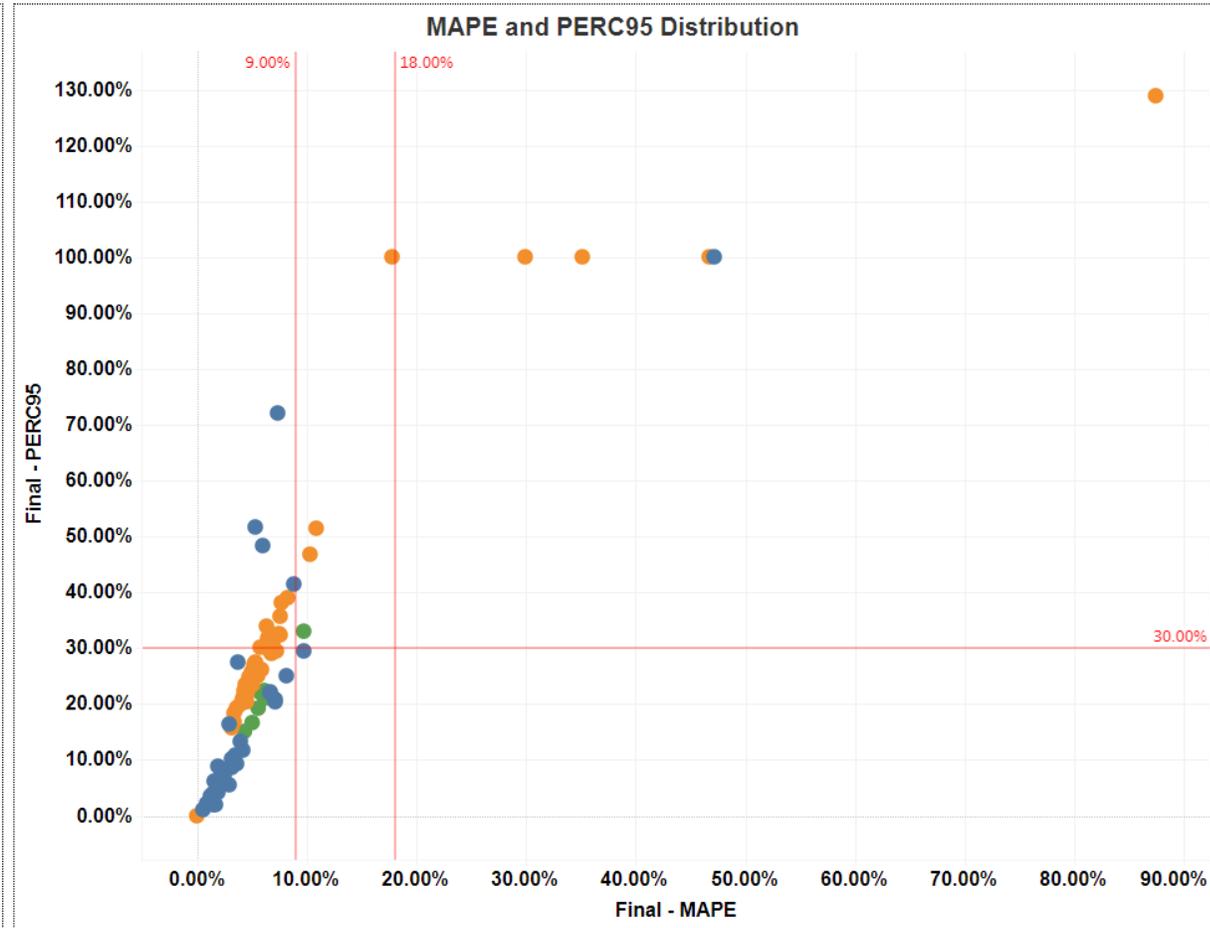
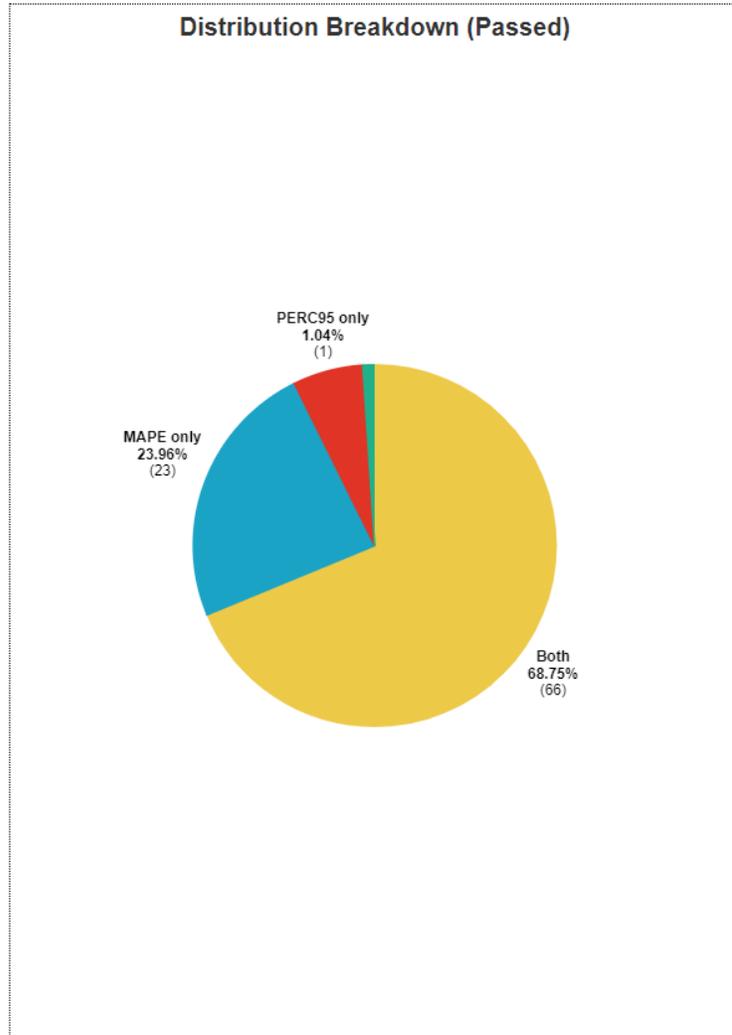
PASSING RATE TREND – PERC95



- The average passing rates of Solar, Wind and ROR Power Plants from the final result are **54.98%**, **85.71%** and **88.72%**, respectively.

NOVEMBER 2023 FINAL FAS REPORT (OVERALL PASSING RATE)

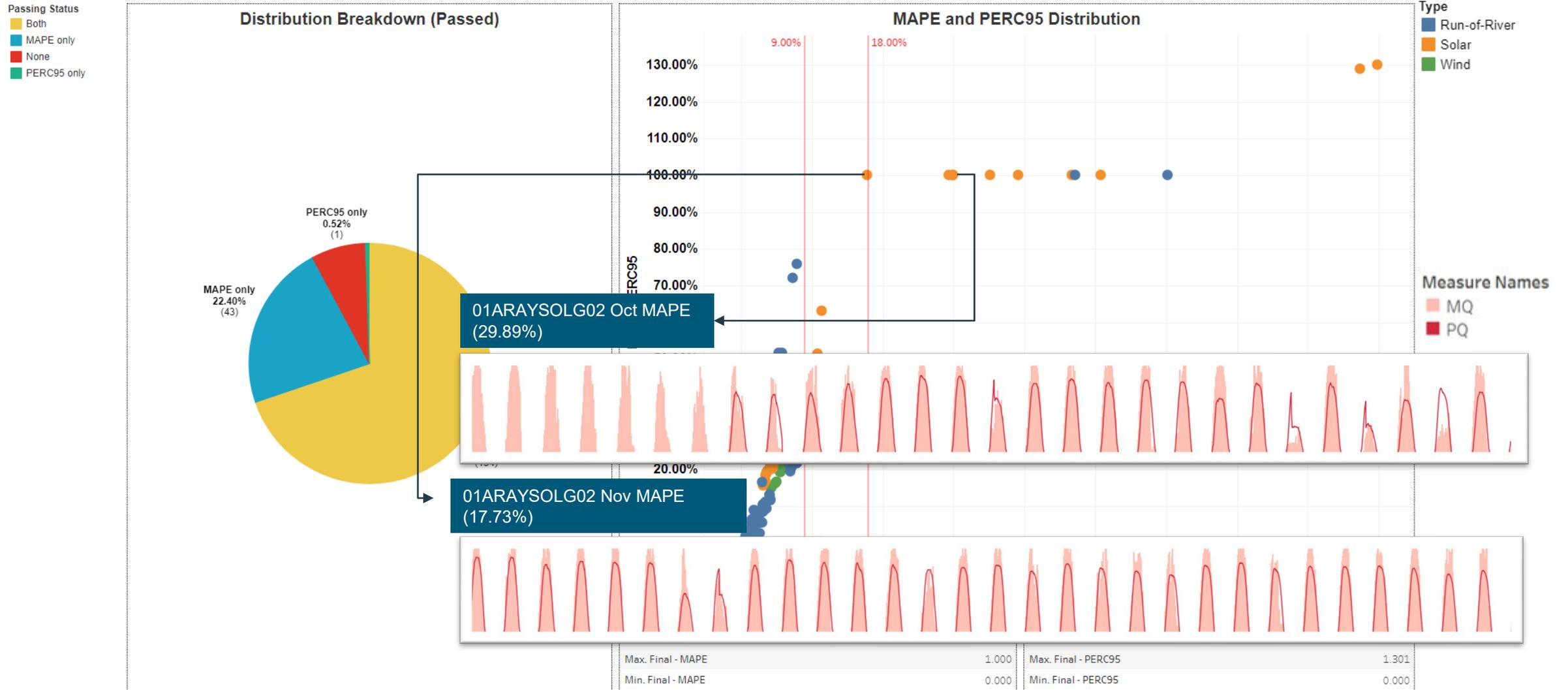
Passing Status
■ Both
■ MAPE only
■ None
■ PERC95 only



Type
■ Run-of-River
■ Solar
■ Wind

Avg. Final - MAPE	0.110	Avg. Final - PERC95	0.302
Max. Final - MAPE	1.000	Max. Final - PERC95	1.289
Min. Final - MAPE	0.000	Min. Final - PERC95	0.000

NOVEMBER 2023 FINAL FAS REPORT (OVERALL PASSING RATE)



REQUESTED ACTION

FOR INFORMATION

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