



Philippine Electricity
Market Corporation

MONTHLY FORECAST ACCURACY STANDARDS RESULT

September and October FAS Result (2023)

17 January 2024 | MS Teams

REQUESTED ACTION

FOR INFORMATION

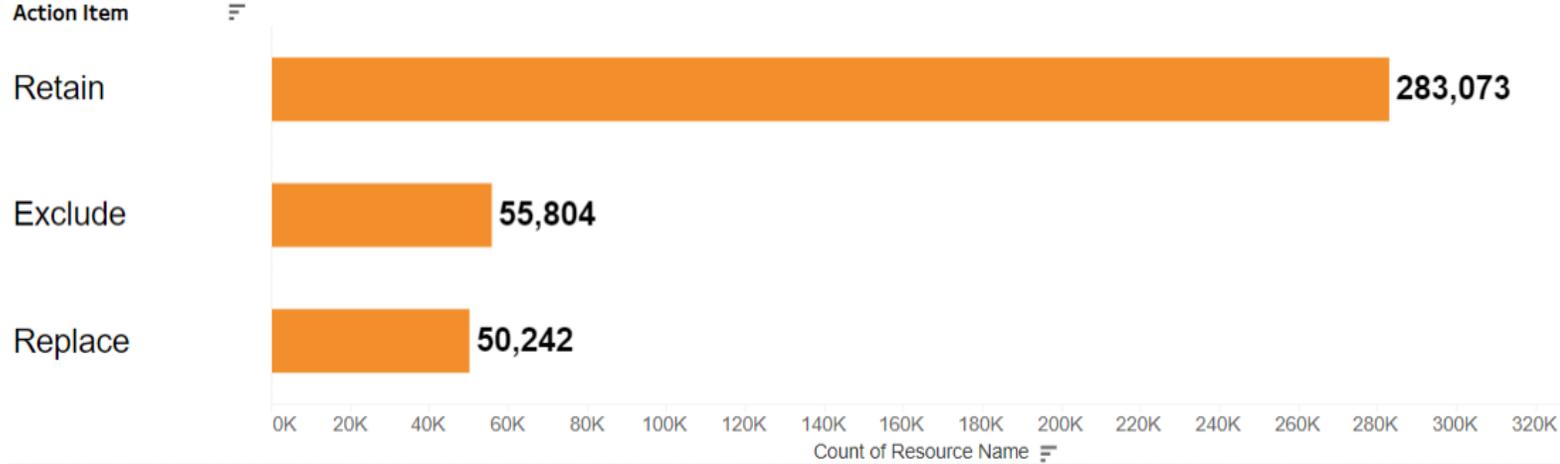
SUMMARY OF WESM REGISTRATION ON MUST DISPATCH GENERATING UNITS

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

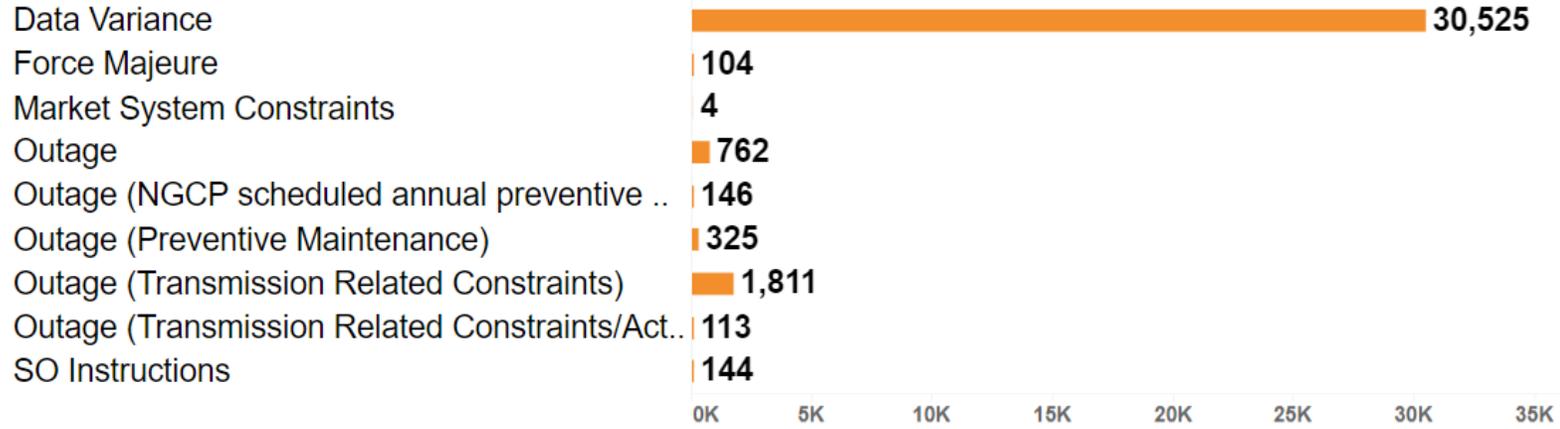
As of October 2023, there are **102** facilities registered as MDGU in the WESM. From the registered facilities, **96** facilities from Luzon and Visayas, and Mindanao regions are being monitored, **6** facilities are under test and commissioning, and Mindanao facilities are being monitored after the 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 - SEPTEMBER 2023

Requested Actions by Billing Month



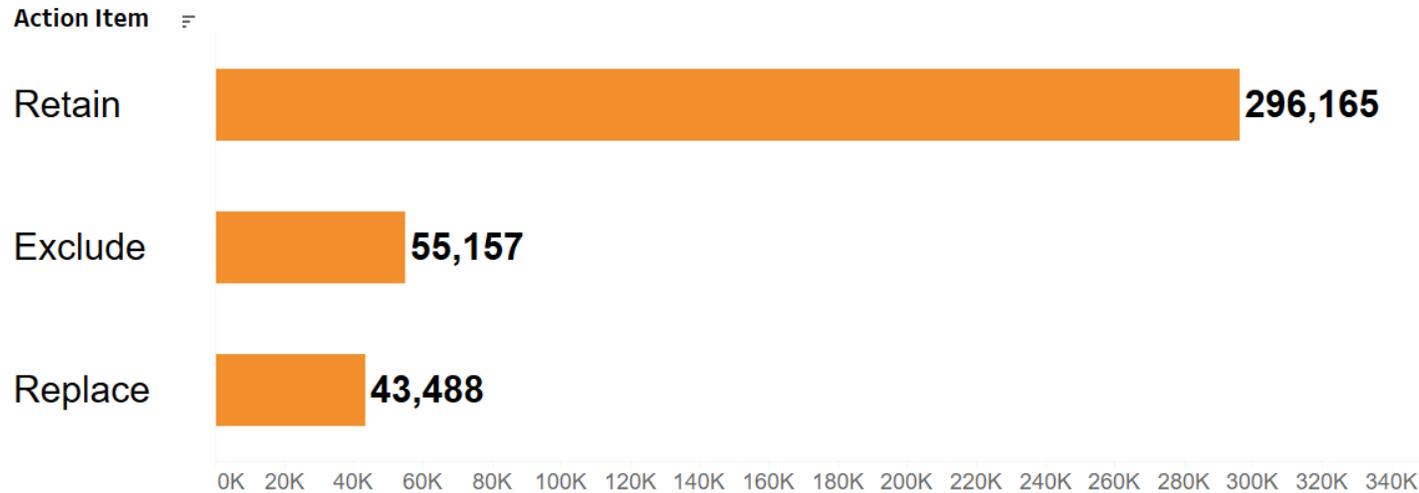
Event Categories



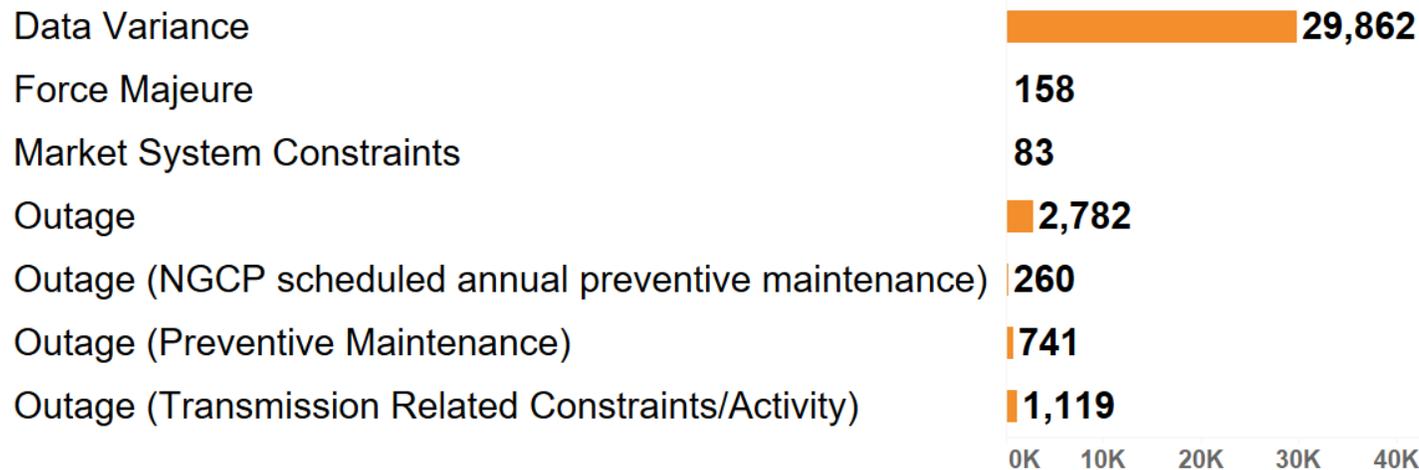
- ECO received a total of **50,242** intervals requesting replacement due to possible Data Variance and a total of **55,804** intervals requesting exclusion. The ECO also received a total of **283,073** intervals to retain results.
- Out of **50,242** intervals requesting data replacement, **30,525** intervals were confirmed to be Data Variance (**60.76%** 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).

TOTAL INTERVALS WITH REQUESTED ACTION & ECO ASSESSMENT - OCTOBER 2023

Requested Actions by Billing Month



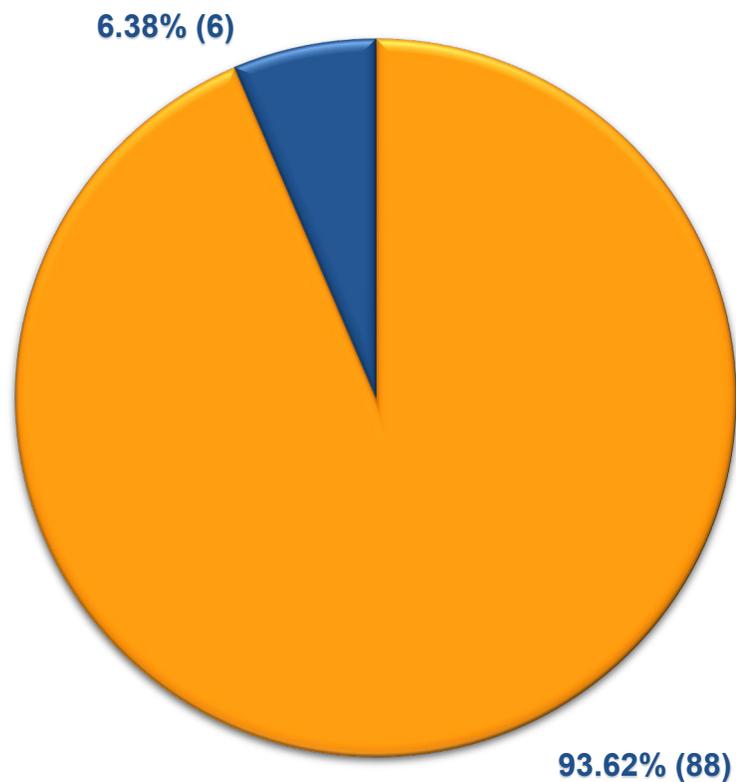
Event Categories



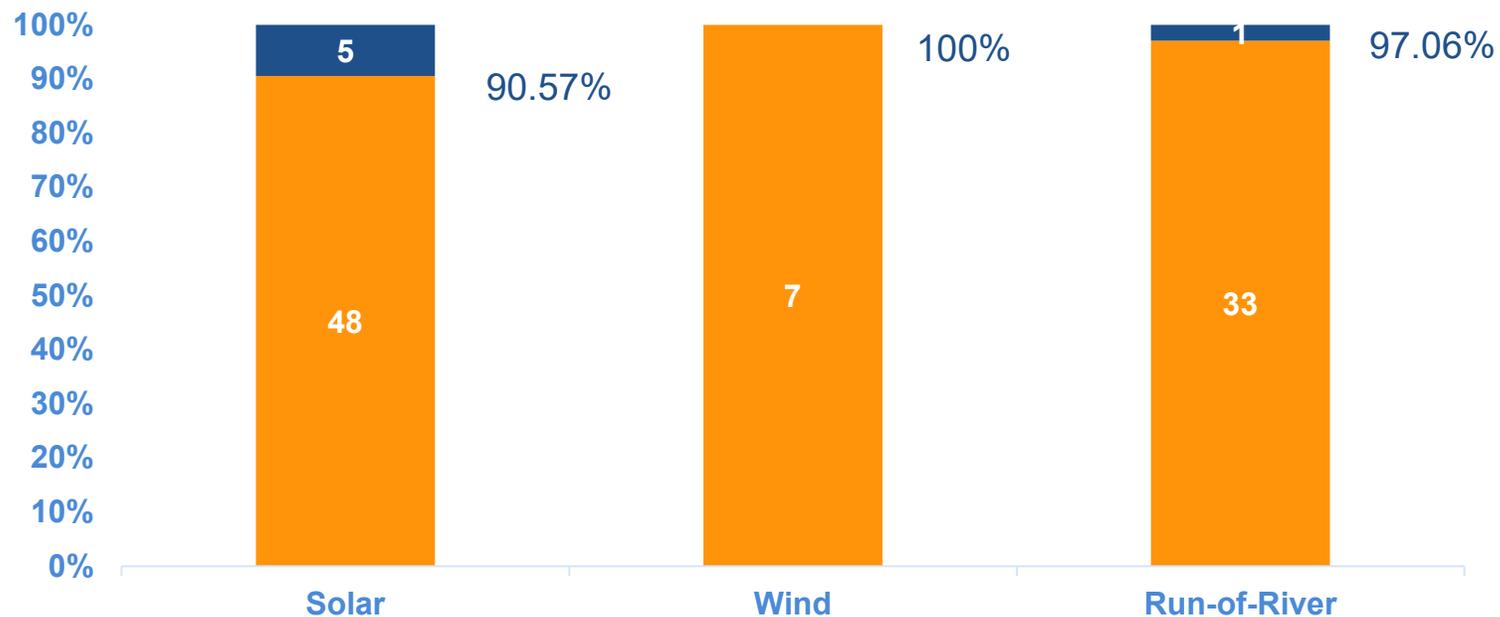
- ECO received a total of **43,488** intervals requesting replacement due to possible Data Variance and a total of **55,157** intervals requesting exclusion. The ECO also received a total of **296,165** intervals to retain results.
- Out of **43,488** intervals requesting data replacement, **29,862** intervals were confirmed to be Data Variance (**70.28%** of the intervals for replacement).
- Out of **55,804** intervals requesting exclusion, the ECO accepts **5,143** intervals (**9.32%** of the total intervals for exclusion).

SEPTEMBER 2023 FINAL FAS REPORT (OVERALL PASSING RATE)

MAPE



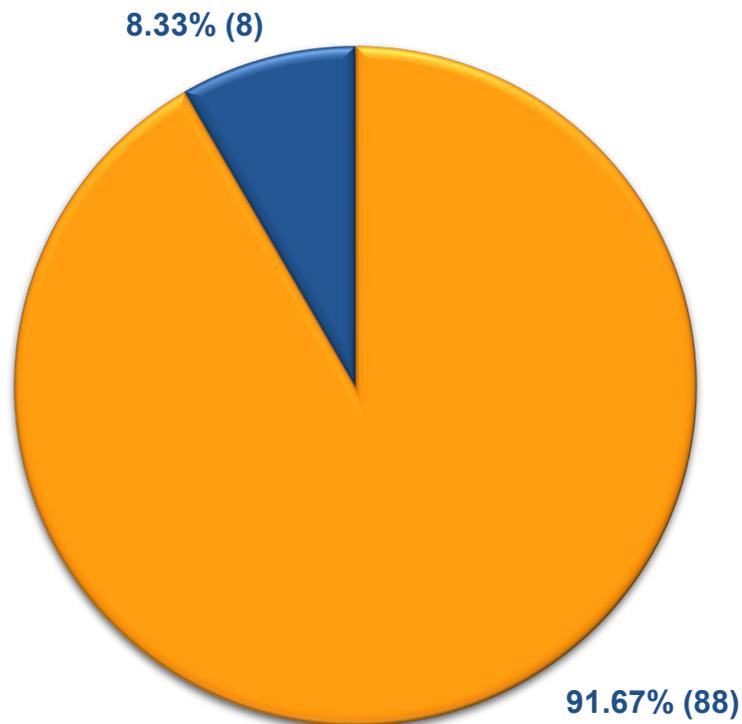
PASSING RATE PER TECHNOLOGY



- 88 out of 94 facilities being monitored performed within the MAPE standards while 6 failed.
- 48 out of 53 Solar Power Plants, 7 out of 7 Wind Power Plants passed the MAPE standards, and 33 out of 34 Run of River Power Plants.

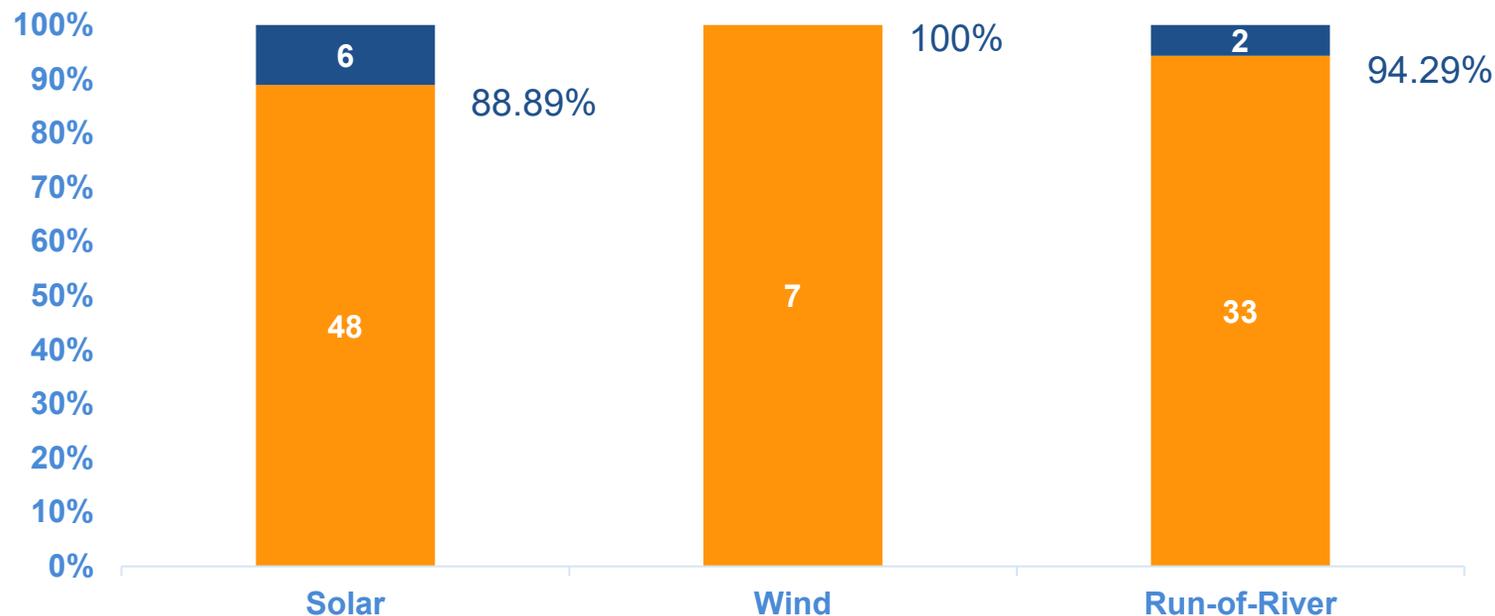
OCTOBER 2023 FINAL FAS REPORT (OVERALL PASSING RATE)

MAPE



■ PASSED ■ FAILED

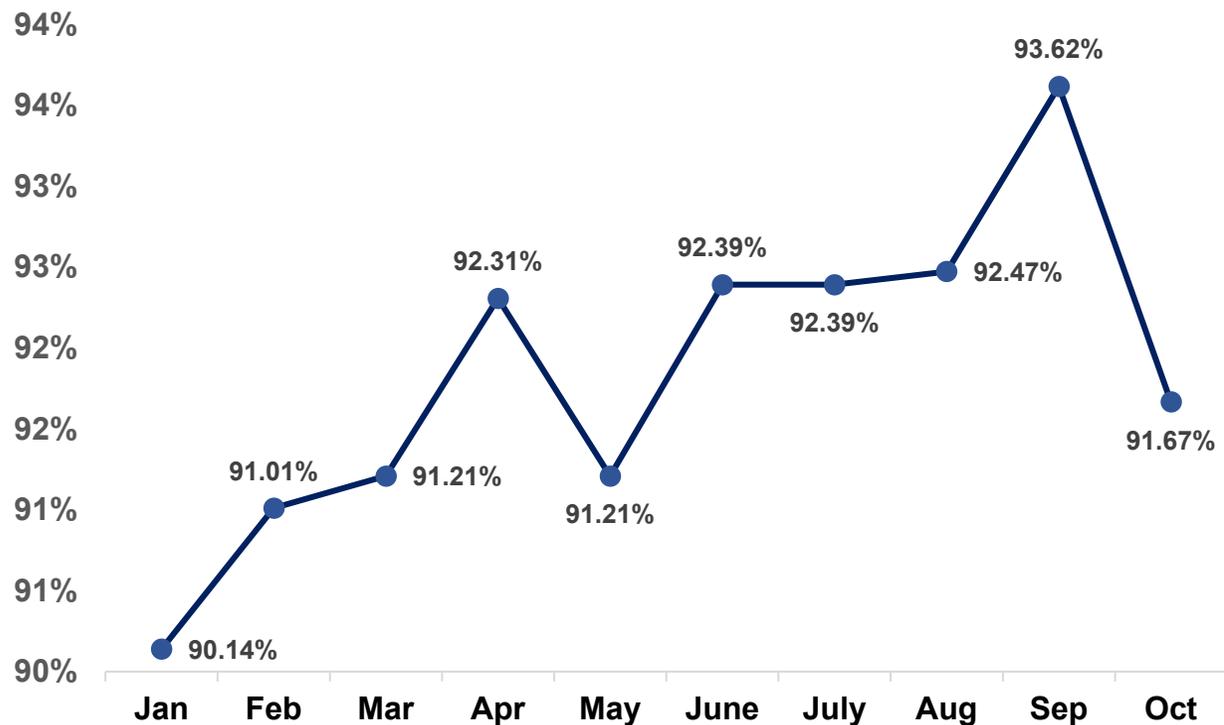
PASSING RATE PER TECHNOLOGY



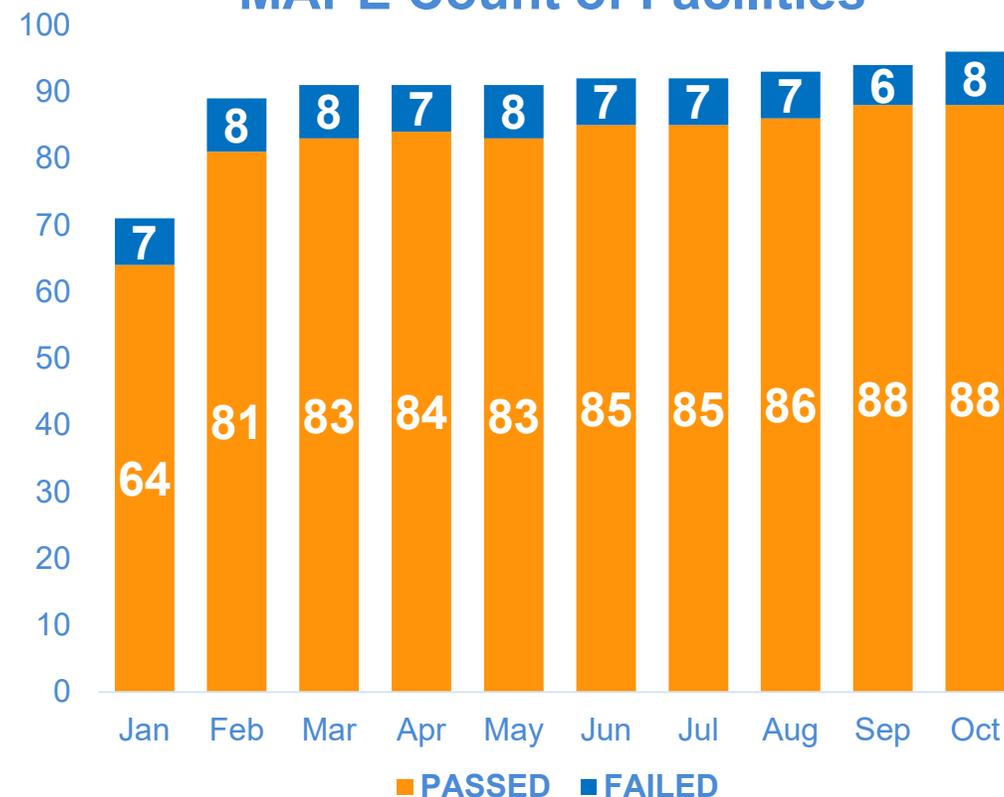
- 88 out of 96 facilities being monitored performed within the MAPE standards while 8 failed.
- 48 out of 54 Solar Power Plants, 7 out of 7 Wind Power Plants and 33 out of 35 Run of River Power Plants passed the MAPE standards

PASSING RATE TREND – MAPE FINAL RESULT

Passing Rate Trend



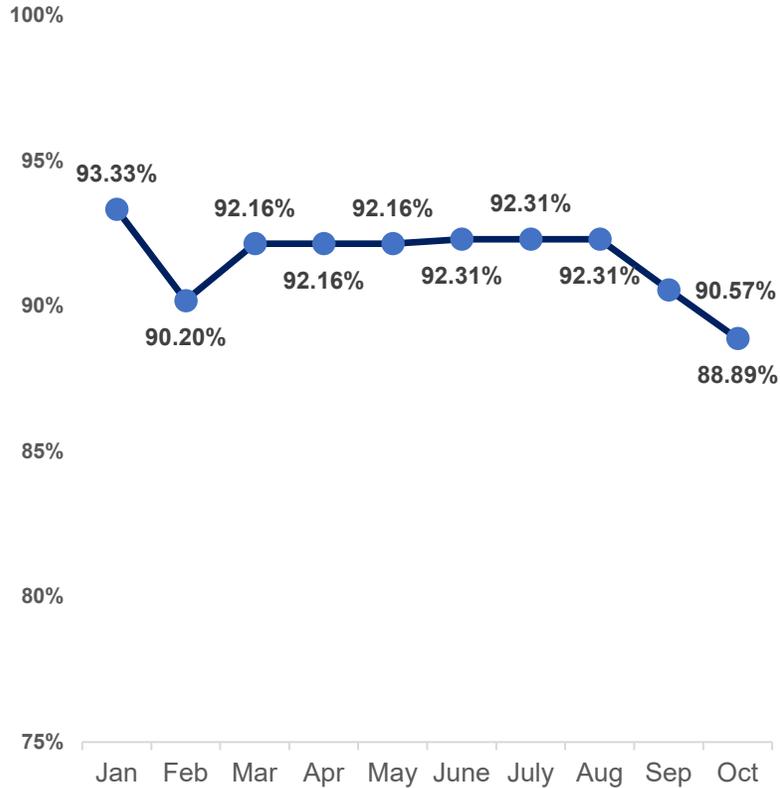
MAPE Count of Facilities



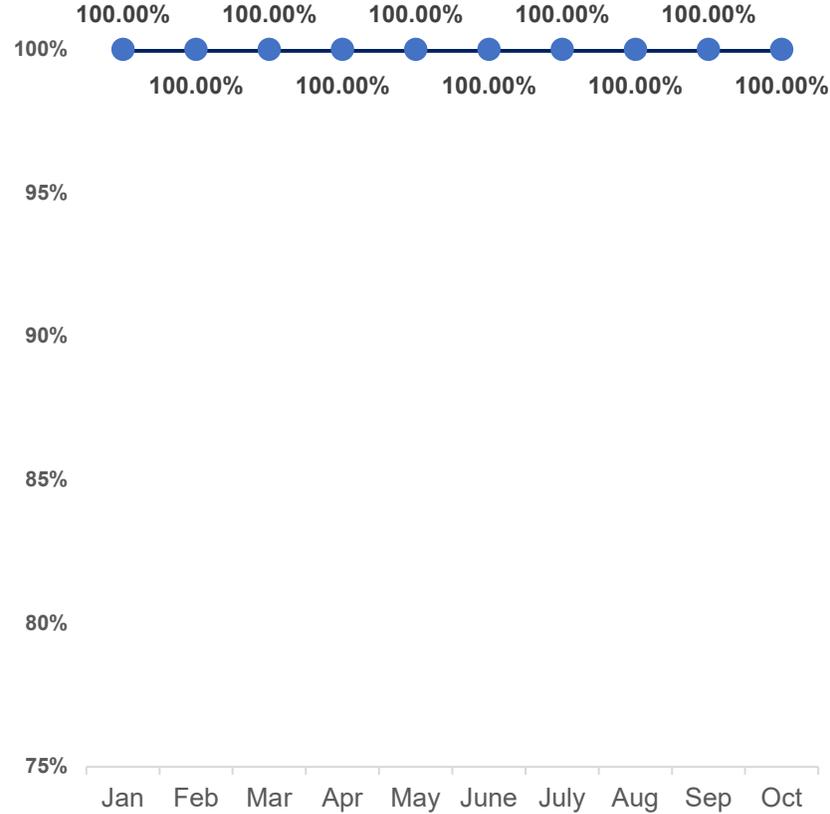
From the **Final MAPE result (January to October 2023)**, the average passing rate is **91.84%**, and the average count of passing plant is **83**.

PASSING RATE TREND – MAPE

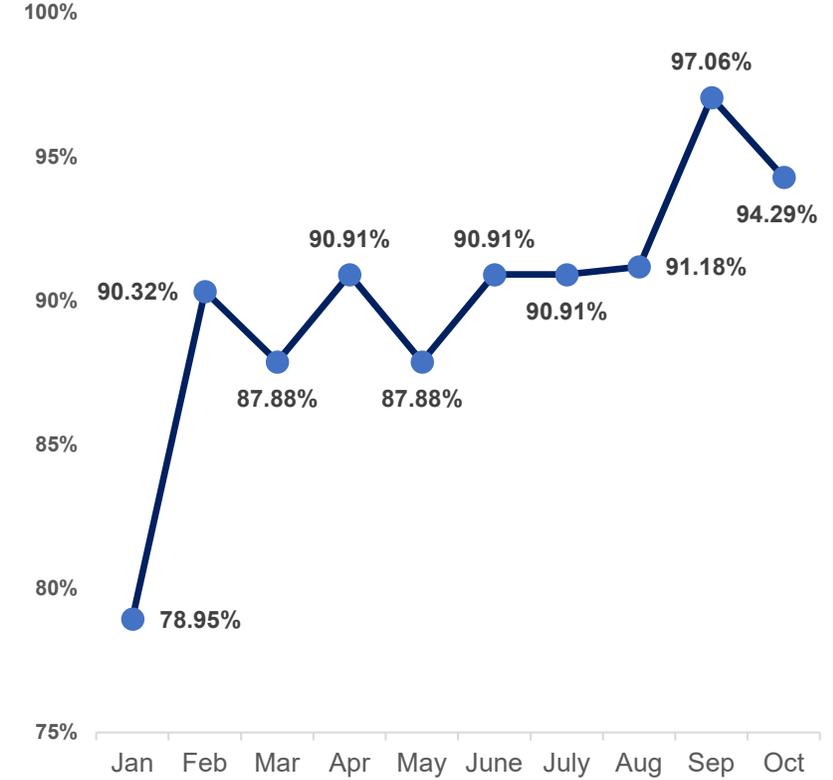
SOLAR



WIND



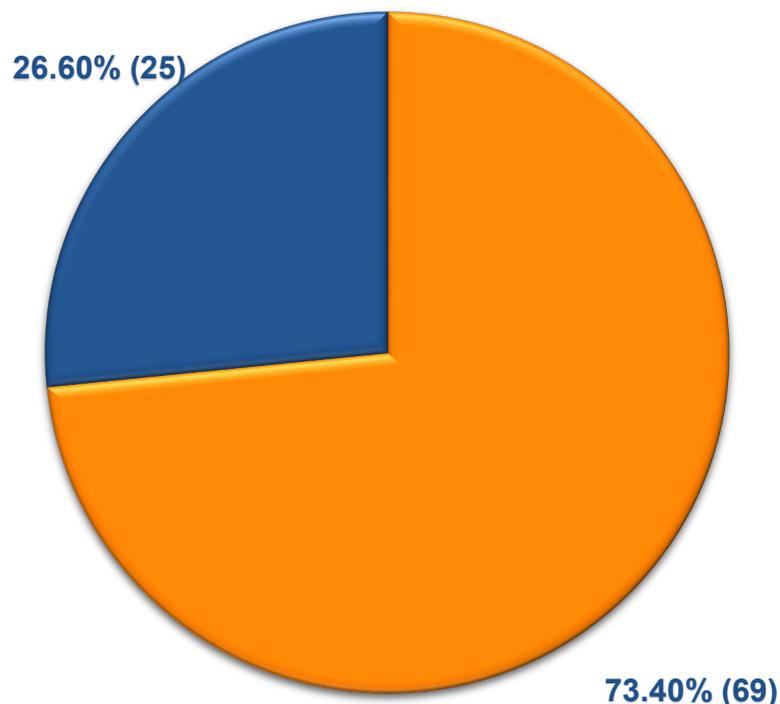
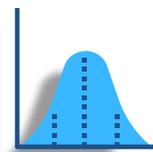
ROR



- The average passing rates of Solar, Wind and ROR Power Plants from the final result are **91.64%**, **100.00%** and **90.04%**, respectively.

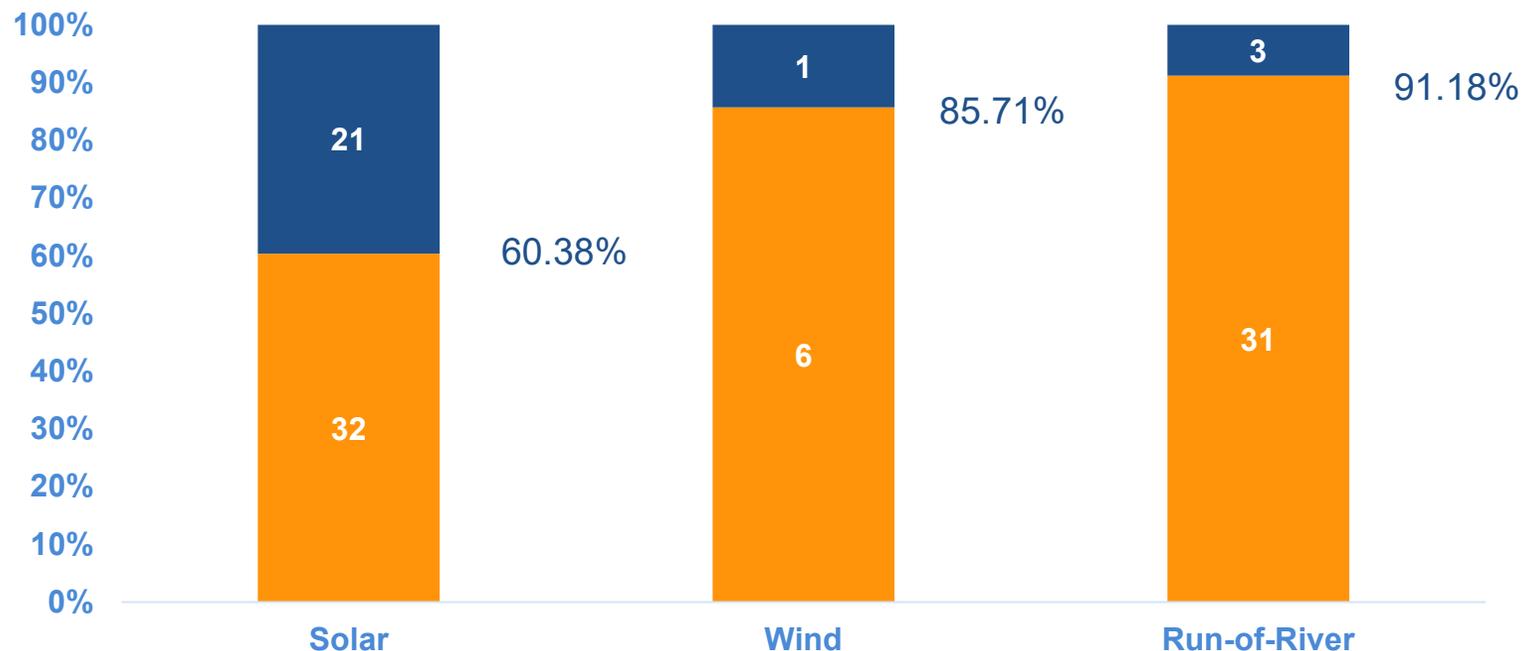
SEPTEMBER 2023 FINAL FAS REPORT (OVERALL PASSING RATE)

PERC95



■ PASSED ■ FAILED

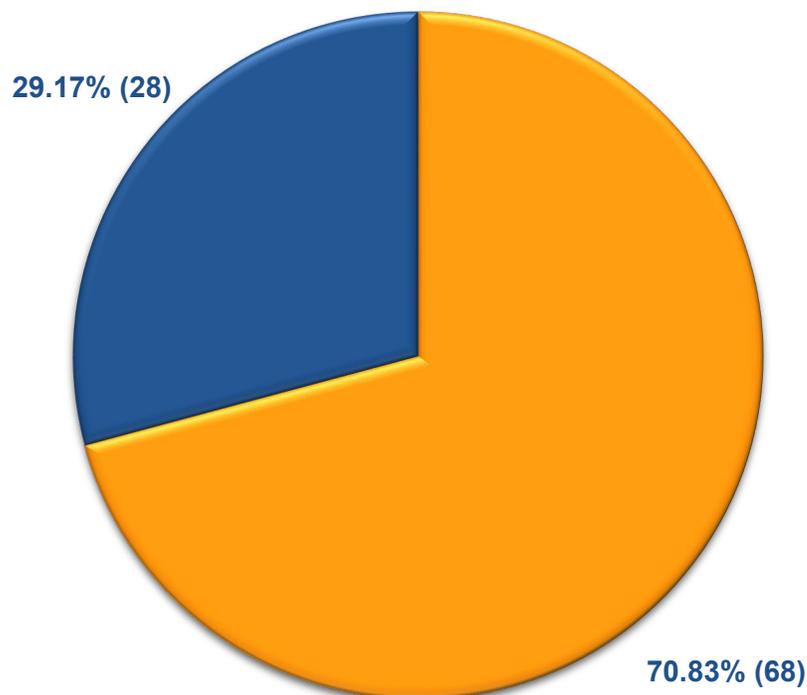
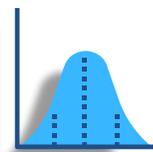
PASSING RATE PER TECHNOLOGY



- 69 out of 94 facilities being monitored performed within the PERC95 standards while 25 failed.
- 32 out of 53 Solar Power Plants, 6 out of 7 Wind Power Plants, and 31 out of 34 Run of River Power Plants passed the PERC95 standards.

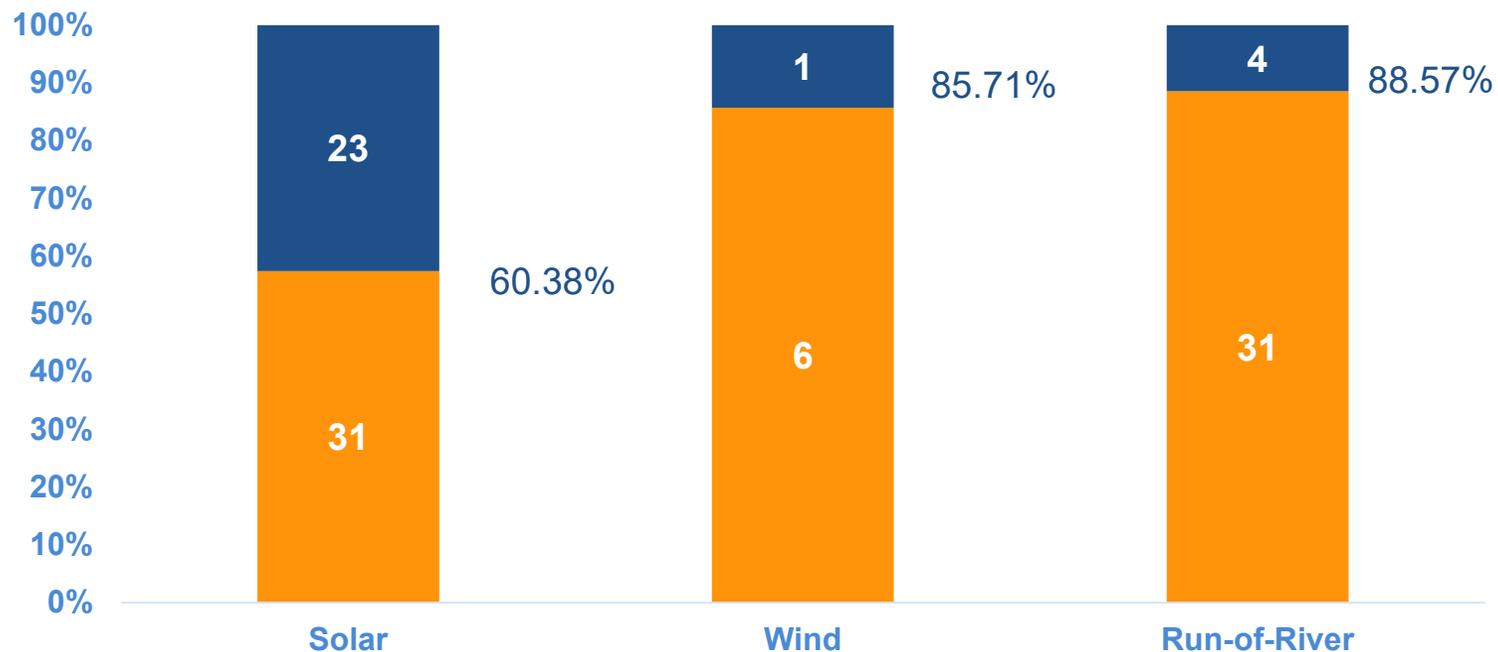
OCTOBER 2023 FINAL FAS REPORT (OVERALL PASSING RATE)

PERC95



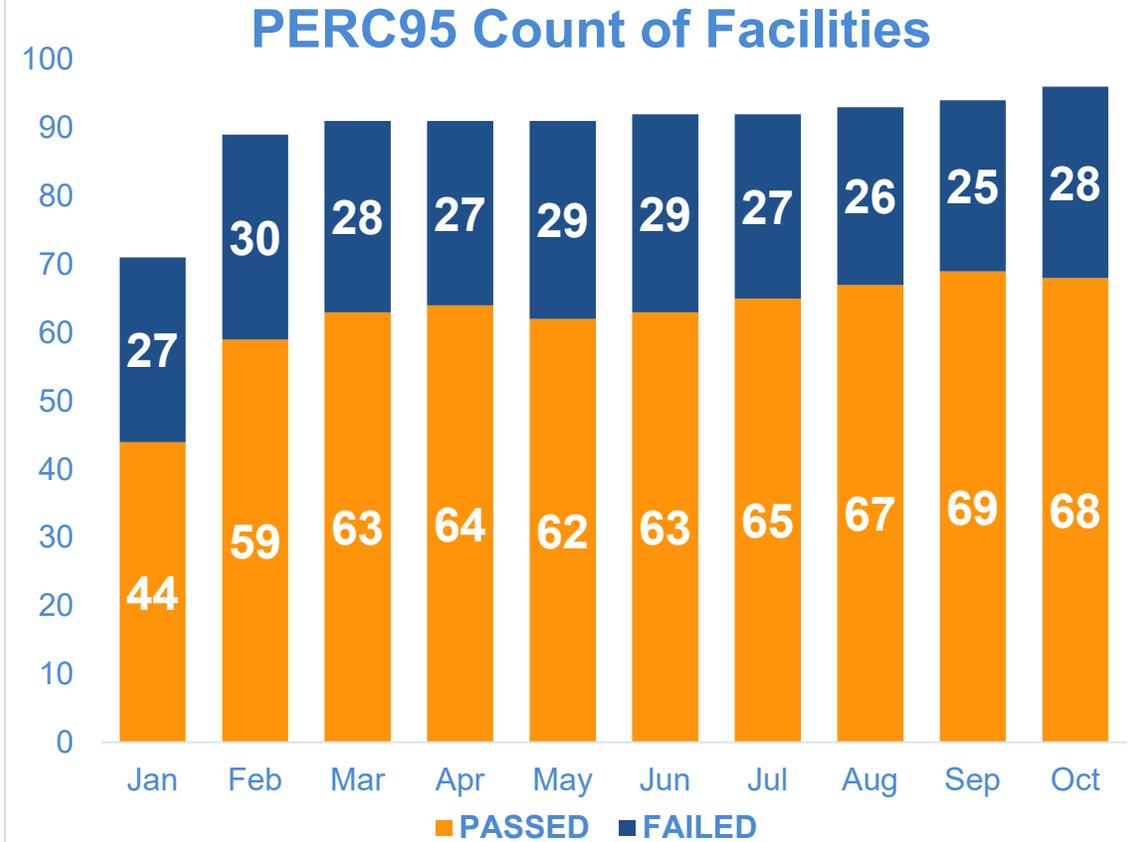
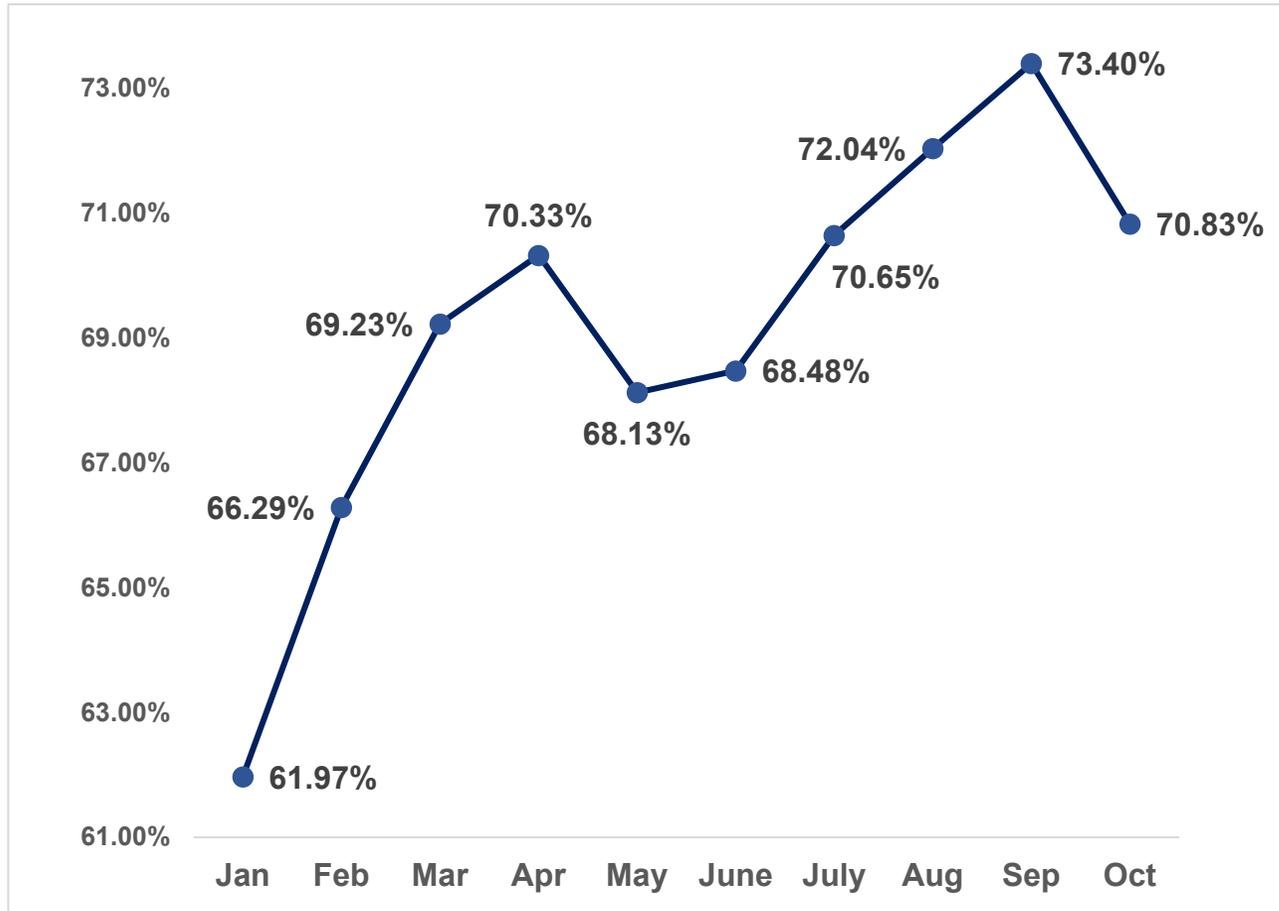
■ PASSED ■ FAILED

PASSING RATE PER TECHNOLOGY



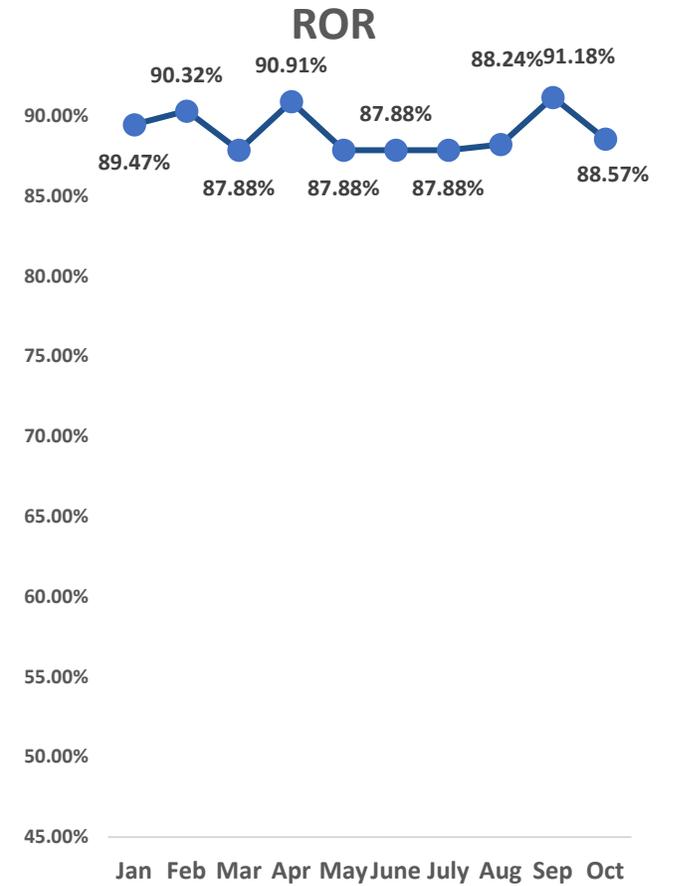
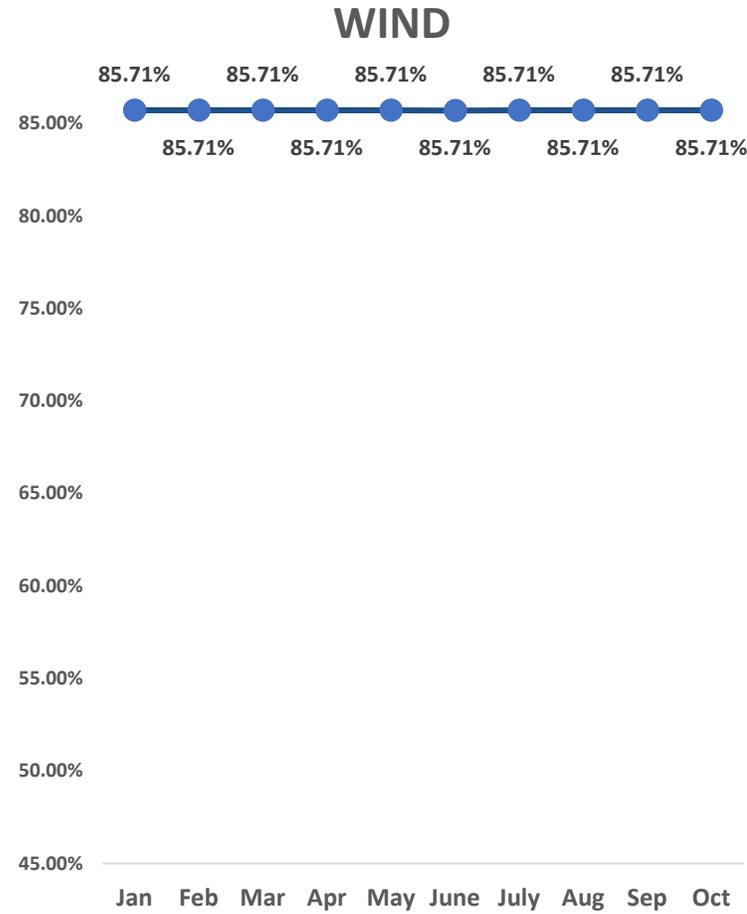
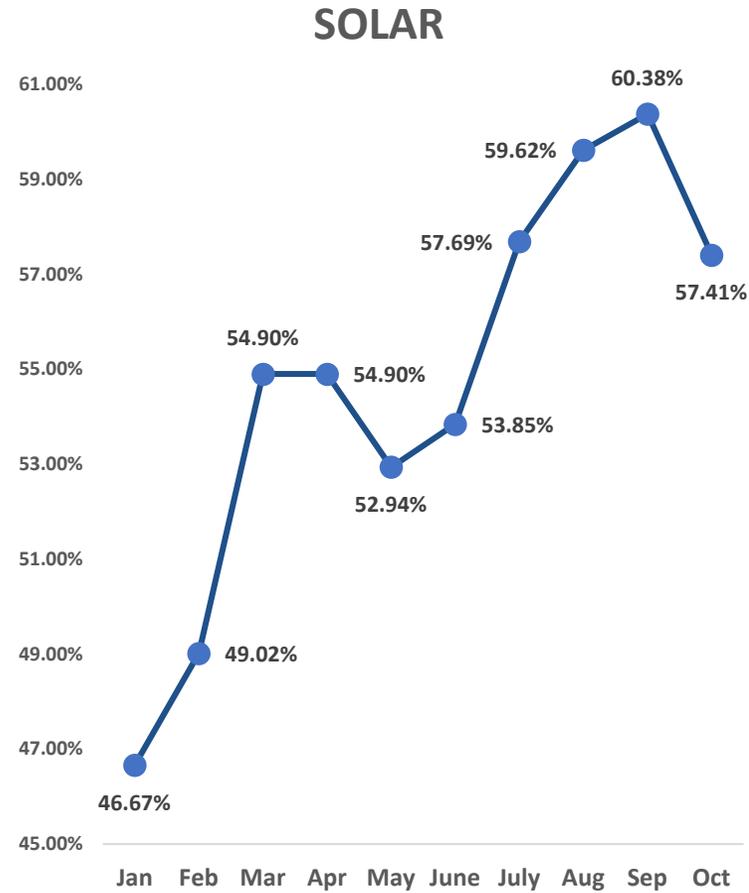
- 68 out of 96 facilities being monitored performed within the PERC95 standards while 28 failed.
- 31 out of 54 Solar Power Plants, 6 out of 7 Wind Power Plants and 31 out of 35 Run of River Power Plants passed the PERC95 standards.

PASSING RATE TREND – PERC95



- From the **Final PERC95 result (January to October 2023)**, the average passing rate is **69.14%**, and the average count of passing plant is **62**.

PASSING RATE TREND – PERC95

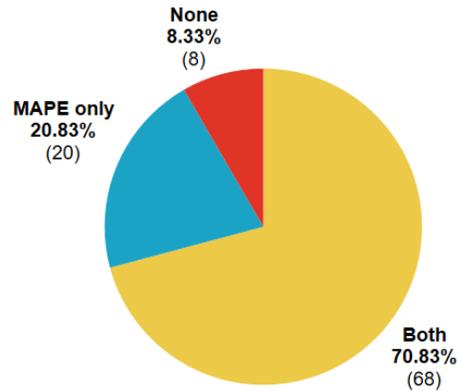


- The average passing rates of Solar, Wind and ROR Power Plants from the final result are **54.74%**, **85.71%** and **89.02%**, respectively.

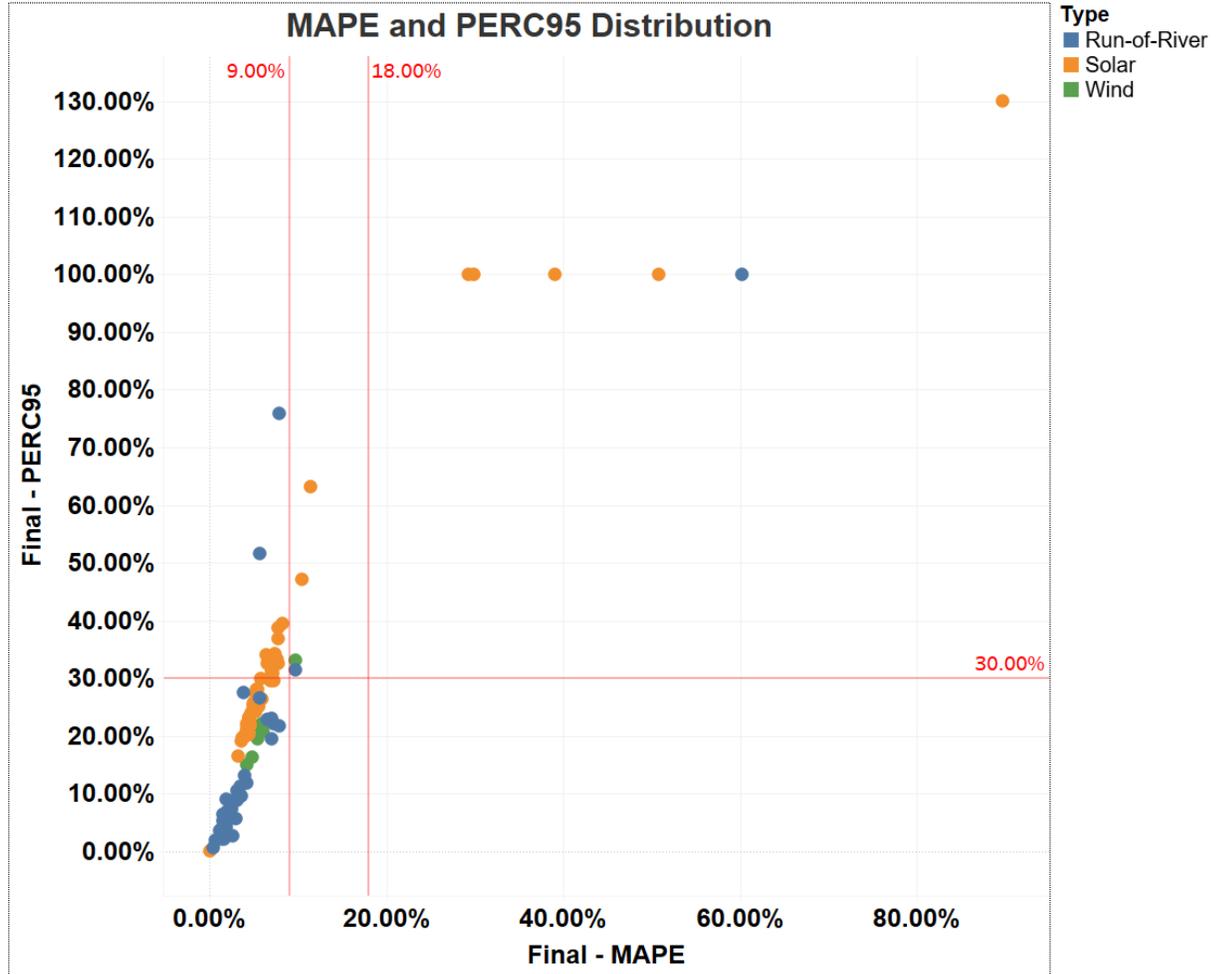
OCTOBER 2023 FINAL FAS REPORT (OVERALL PASSING RATE)

Passing Status
 Both
 MAPE only
 None

Distribution Breakdown (Passed)



MAPE and PERC95 Distribution

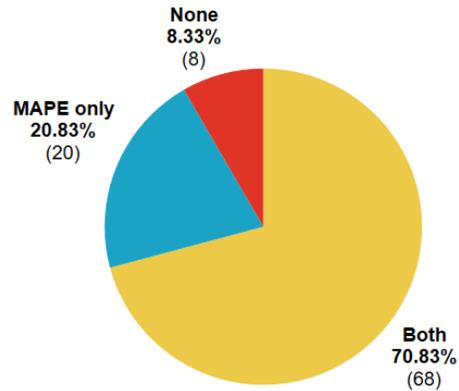


Avg. Final - MAPE	0.107	Avg. Final - PERC95	0.296
Max. Final - MAPE	1.000	Max. Final - PERC95	1.301
Min. Final - MAPE	0.000	Min. Final - PERC95	0.000

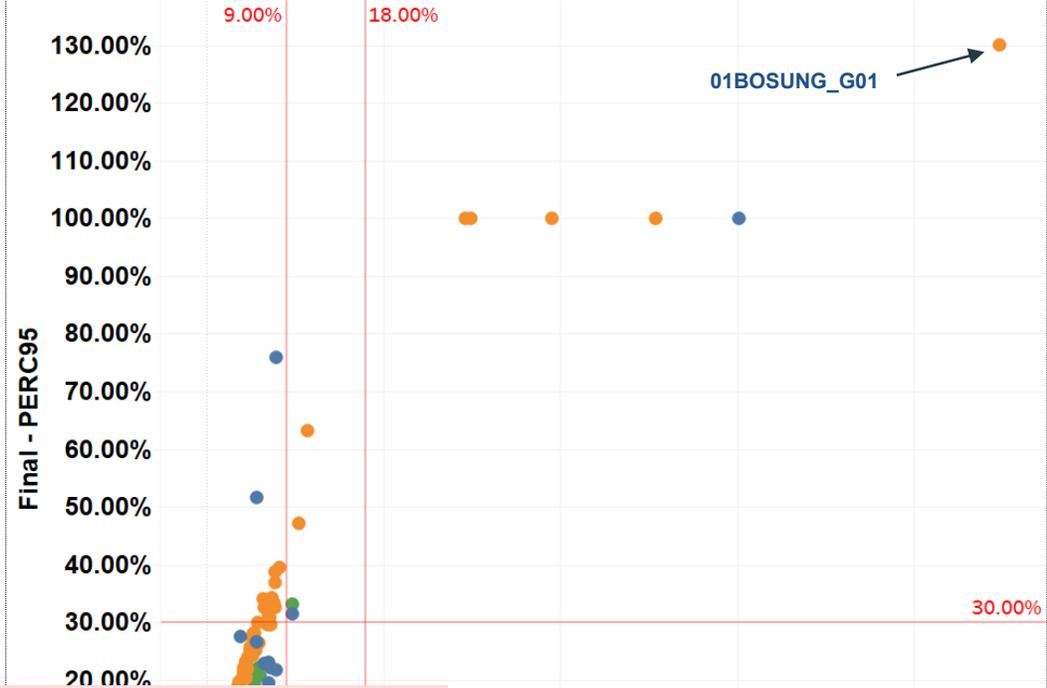
OCTOBER 2023 FINAL FAS REPORT (OVERALL PASSING RATE)

Passing Status
 Both
 MAPE only
 None

Distribution Breakdown (Passed)



MAPE and PERC95 Distribution

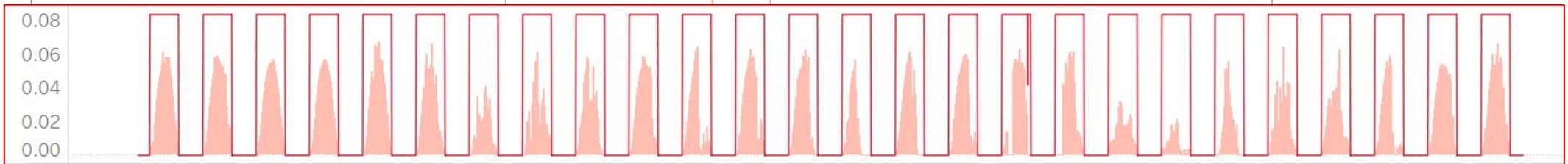


Type
 Run-of-River
 Solar
 Wind

01BOSUNG_G01

- Static nomination since the start of billing year and was only able to update their nominations in November 2023.
 - No OMW night-time nominations.

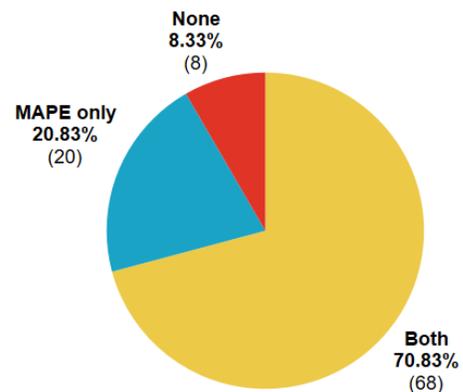
Measure Names
 MQ
 PQ



OCTOBER 2023 FINAL FAS REPORT (OVERALL PASSING RATE)

Passing Status
 Both
 MAPE only
 None

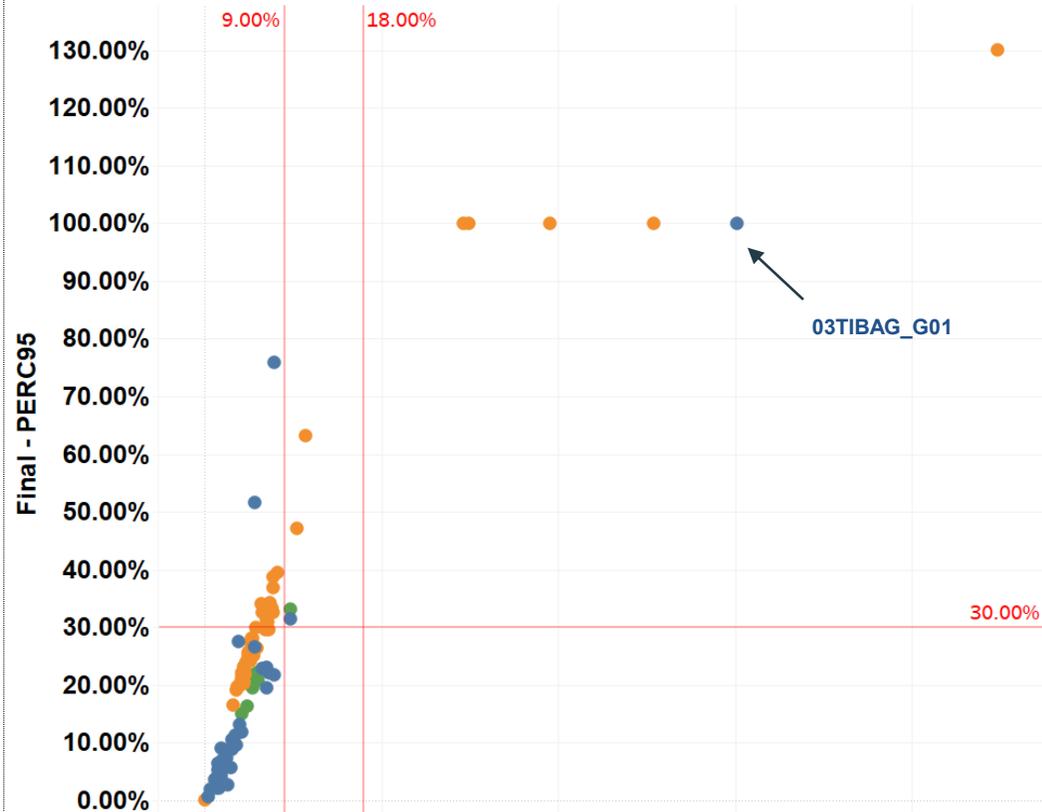
Distribution Breakdown (Passed)



03TIBAG_G01

- High errors are caused by large gap between their PQ and MQ.
 - Not revising of nominations.

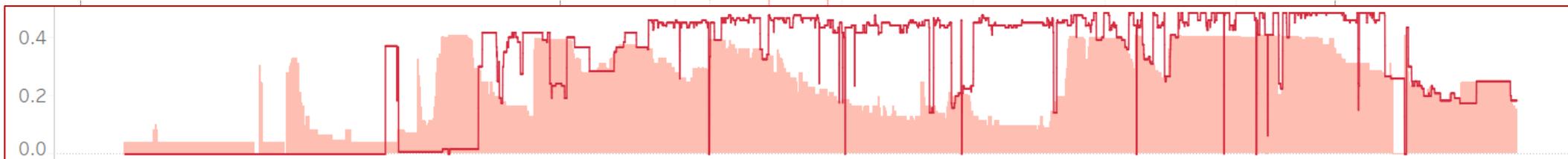
MAPE and PERC95 Distribution



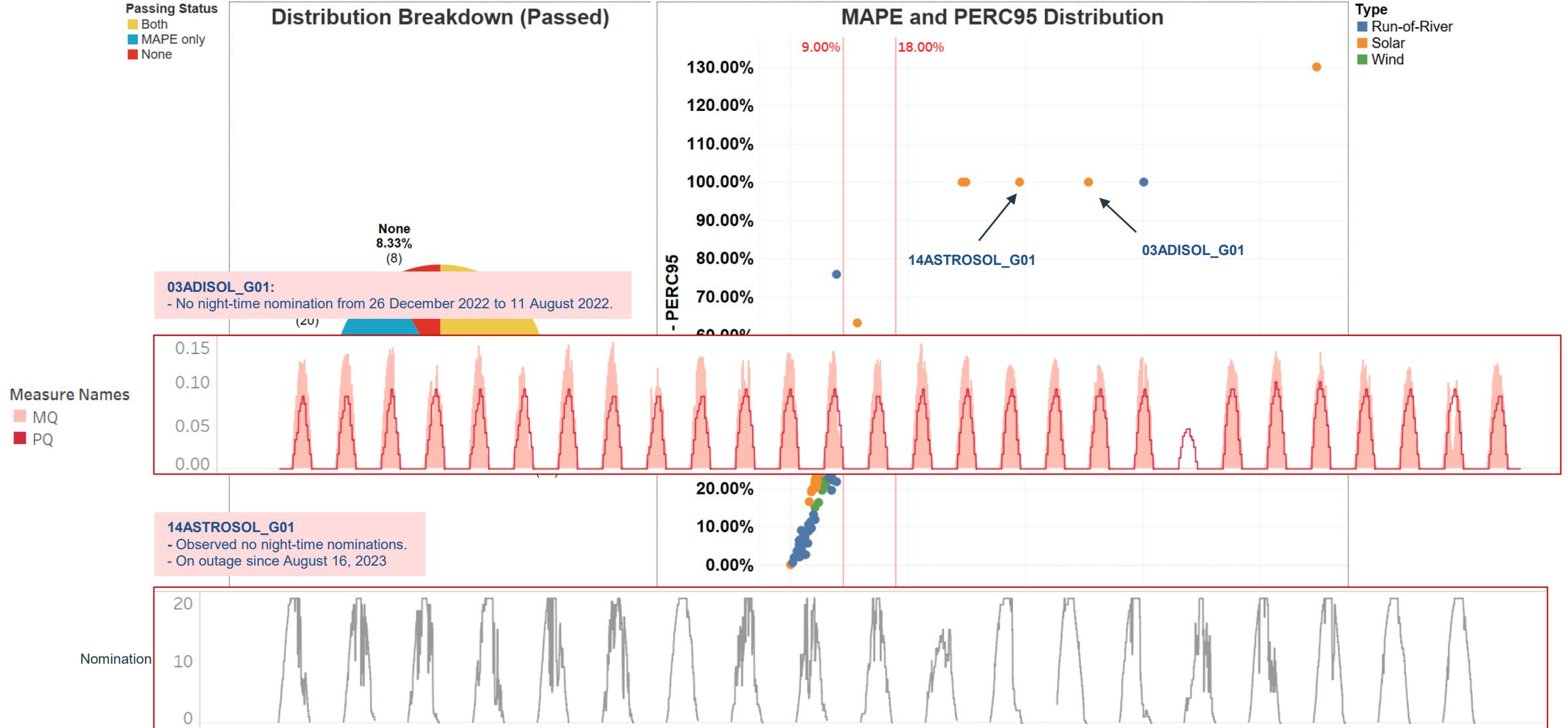
Type
 Run-of-River
 Solar
 Wind

Measure Names

MQ
 PQ



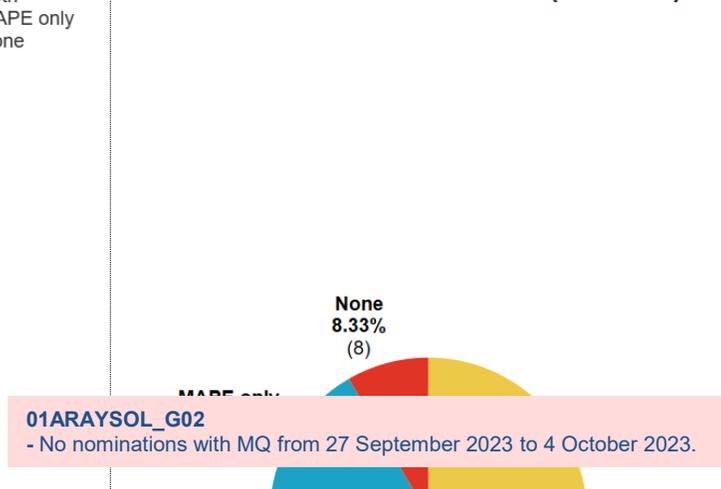
OCTOBER 2023 FINAL FAS REPORT (OVERALL PASSING RATE)



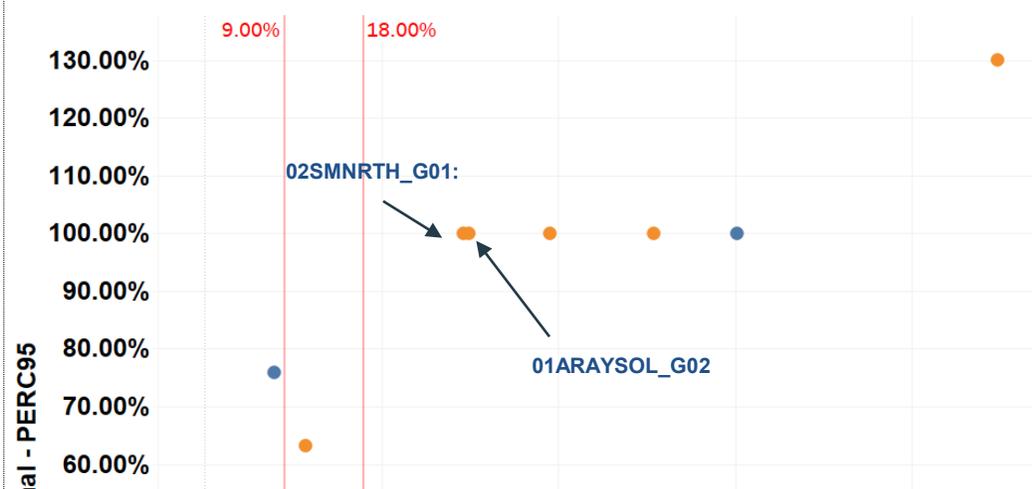
OCTOBER 2023 FINAL FAS REPORT (OVERALL PASSING RATE)

Passing Status
 Both
 MAPE only
 None

Distribution Breakdown (Passed)



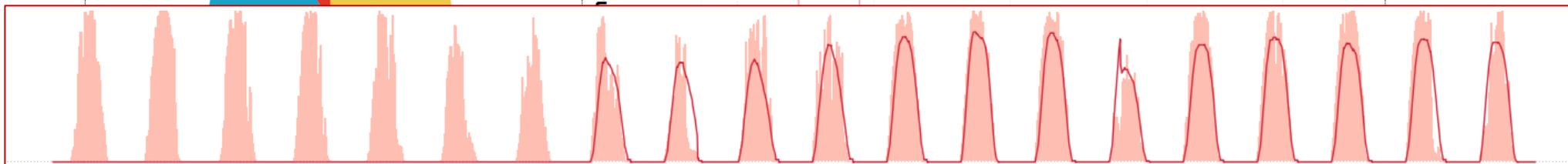
MAPE and PERC95 Distribution



Type
 Run-of-River
 Solar
 Wind

Measure Names

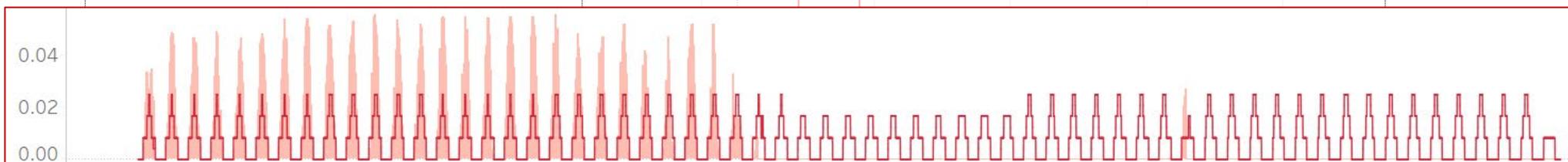
MQ
 PQ



02SMNRTH_G01:

- No night-time nominations during the first quarter.
- Static nomination since 5 July 2023
- No MQ reading since 31 August 2023 until latest interval.

10.00%
 0.00%



REQUESTED ACTION

FOR INFORMATION

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