



# Aggregated Offer Curves Analysis for NPRR 1091 and 1092 Discussion

*Wholesale Market Working Group*

Market Analysis & Validation

11/15/2021

# Summary

- **Background:**

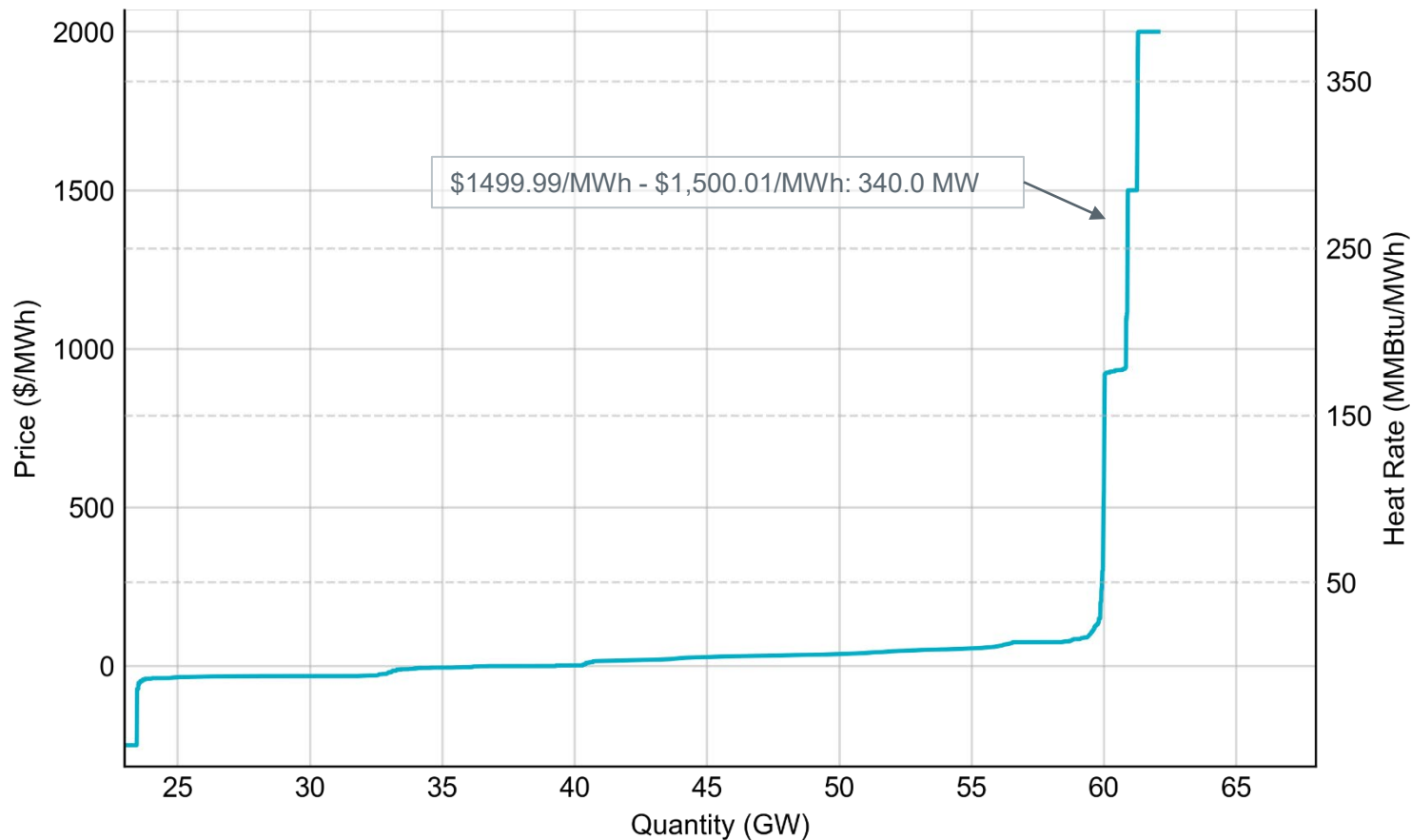
ERCOT worked with IMM to perform analysis on Resource offers and costs to support NPRR 1091 and 1092 discussion regarding offer floor for Non-Spin and RUC Capacity.

- **Methodology:**

- Analyze SCED aggregated offer curve.
  - Average taken across 17:30 SCED run from each day in October 2021.
  - All aggregate supply curves are calculated with \$0.01/MWh price resolution.
  - Secondary axis shows average Heat Rate (price divided by October 2021 average FIP).
  - Ways to analyze the data:
    - **Analyze aggregated offer curve by excluding Online Non-Spin and RUC Capacity;**
    - **Analyze aggregated offer curve by different Resources types.**
- Analyze verifiable cost data of gas-fired Resources.

# Average Offered Capacity (with Non-Spin Capacity and ONRUC Resources)

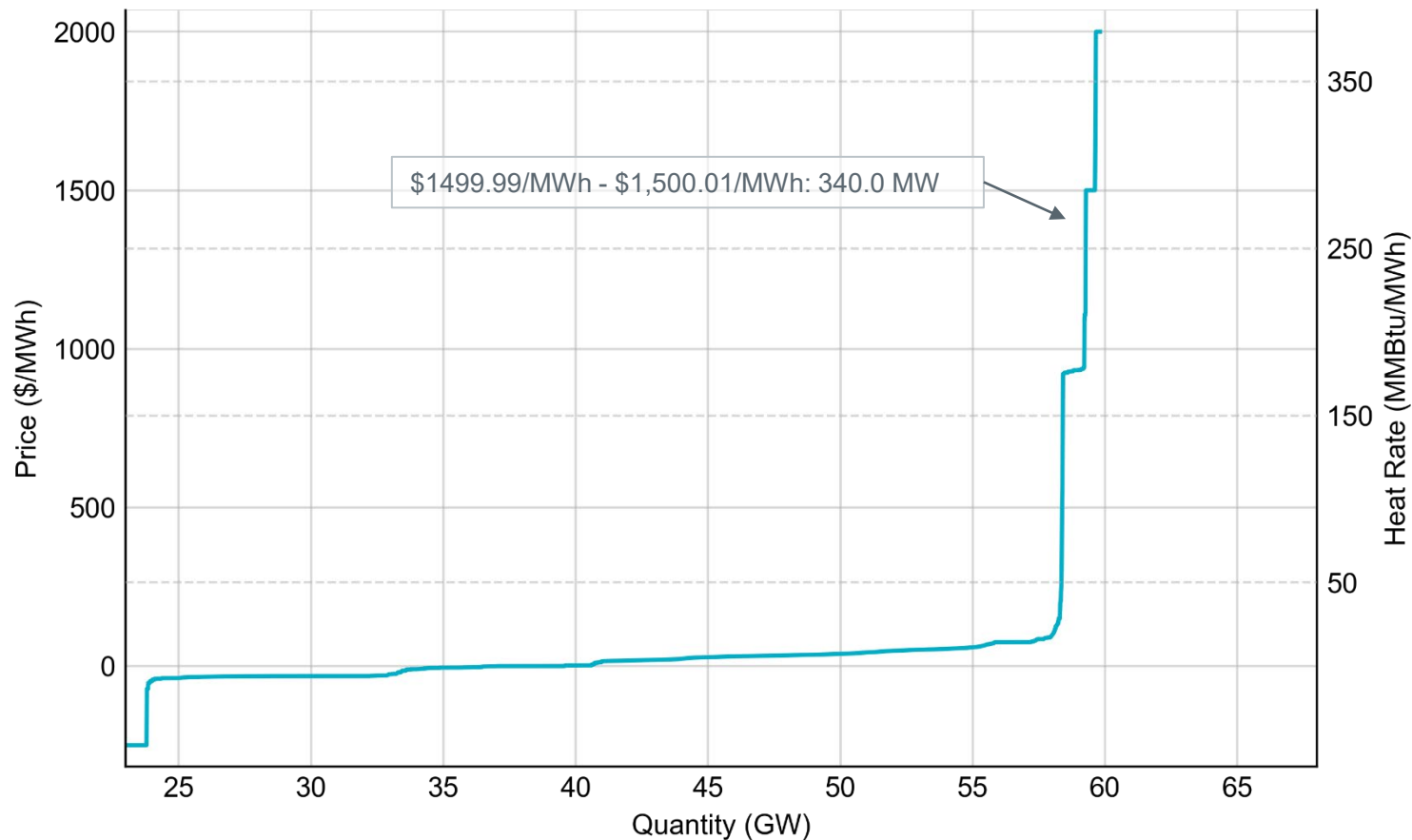
- Aggregate offer curve averaged across all 31 17:30 SCED runs from October 2021.



Note: Aggregate Offer Curve reflects EOC for each Resource from LSL to HSL.

# Average Offered Capacity (with Non-Spin Capacity and ONRUC Resources)

- Aggregate offer curve averaged across all 31 17:30 SCED runs from October 2021.

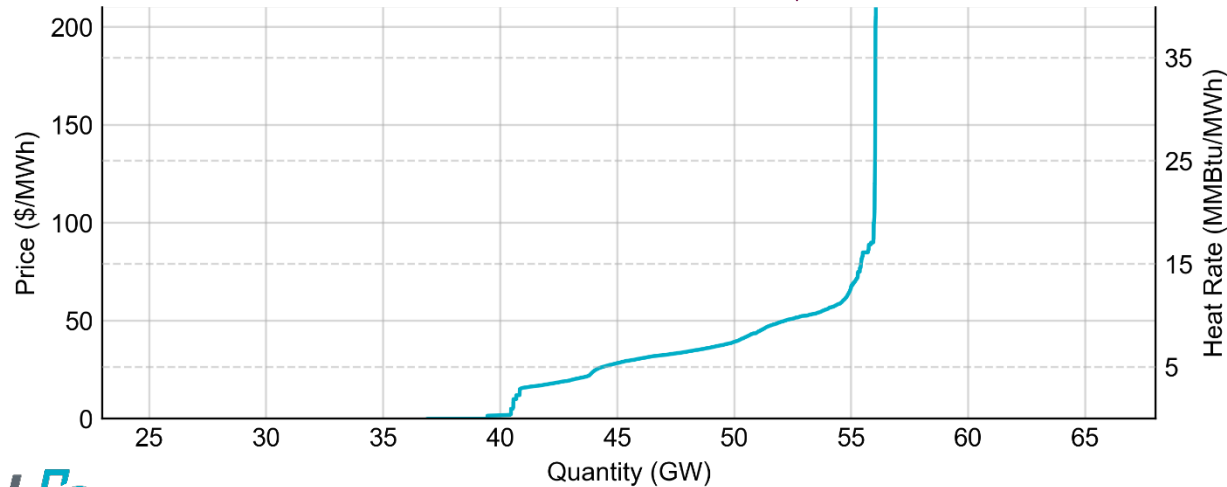
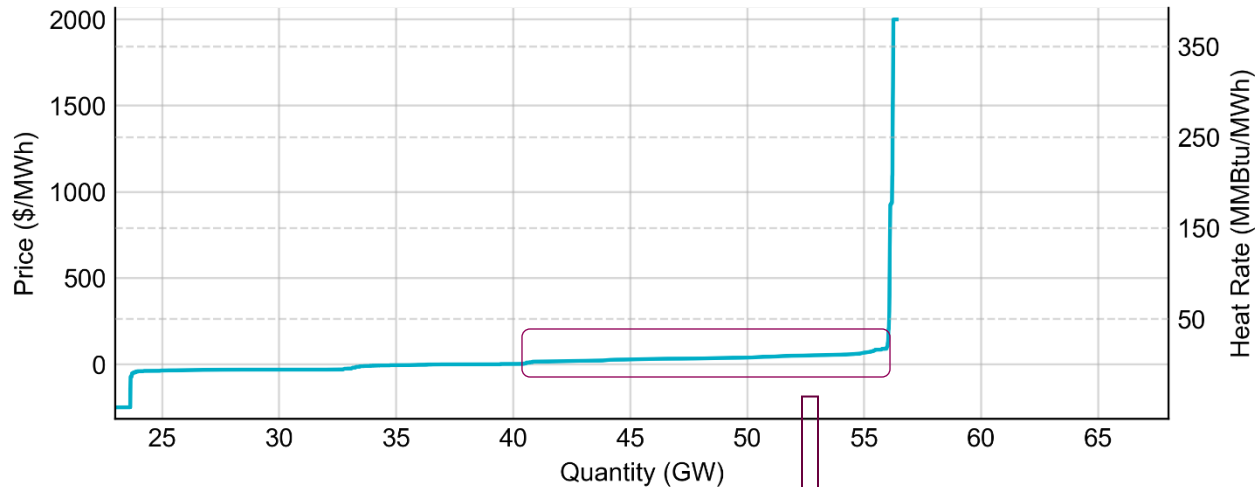


Note: Aggregate Offer Curve reflects EOC for each Resource from LASL to HASL.



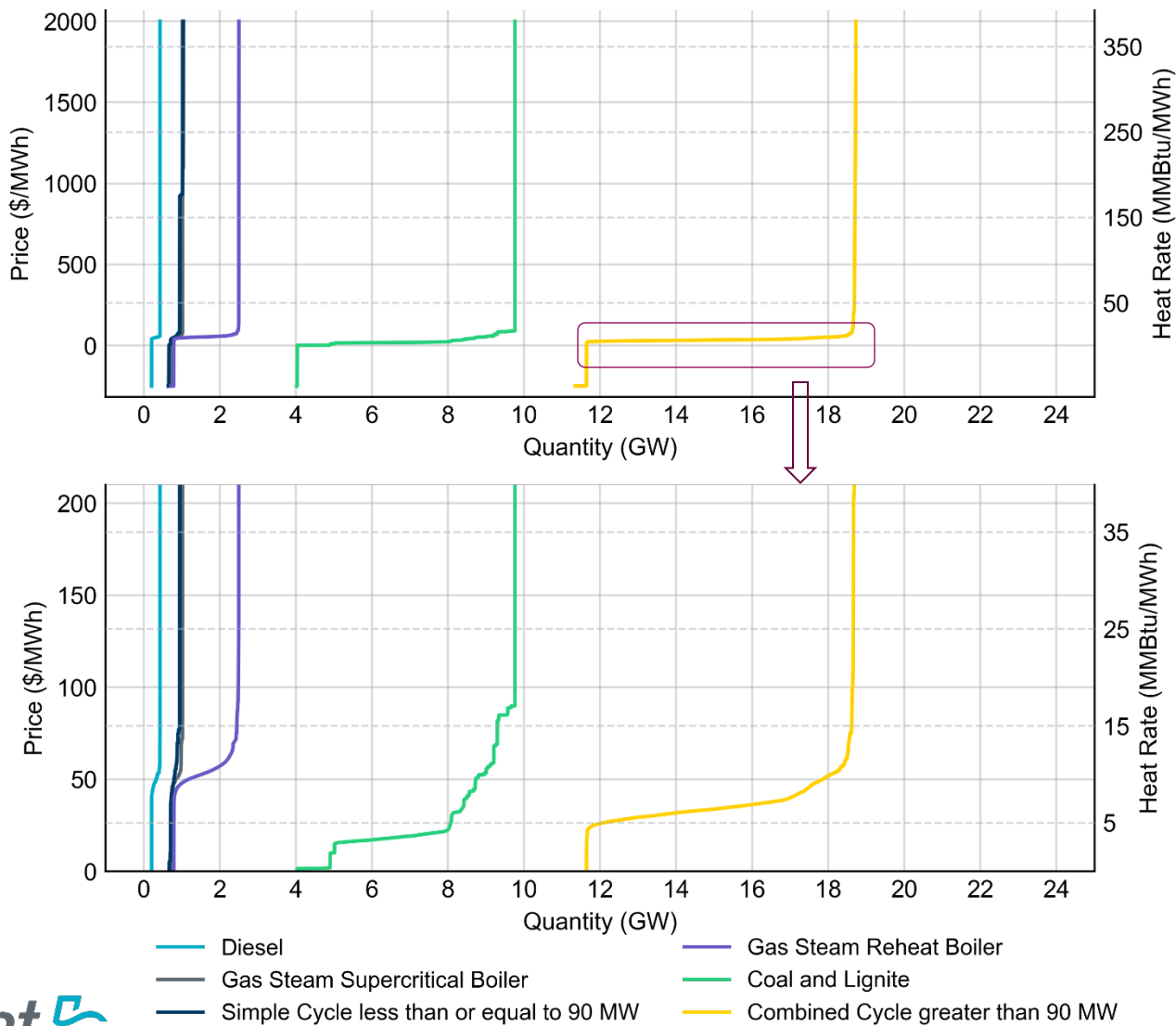
# Excluding Non-Spin Capacity and ONRUC Resources

- Aggregate offer curve averaged across all 31 17:30 SCED runs from October 2021.
- Reflect offered capacity from LASL to HASL with ONRUC Resources and Non-Spin Responsibility removed.

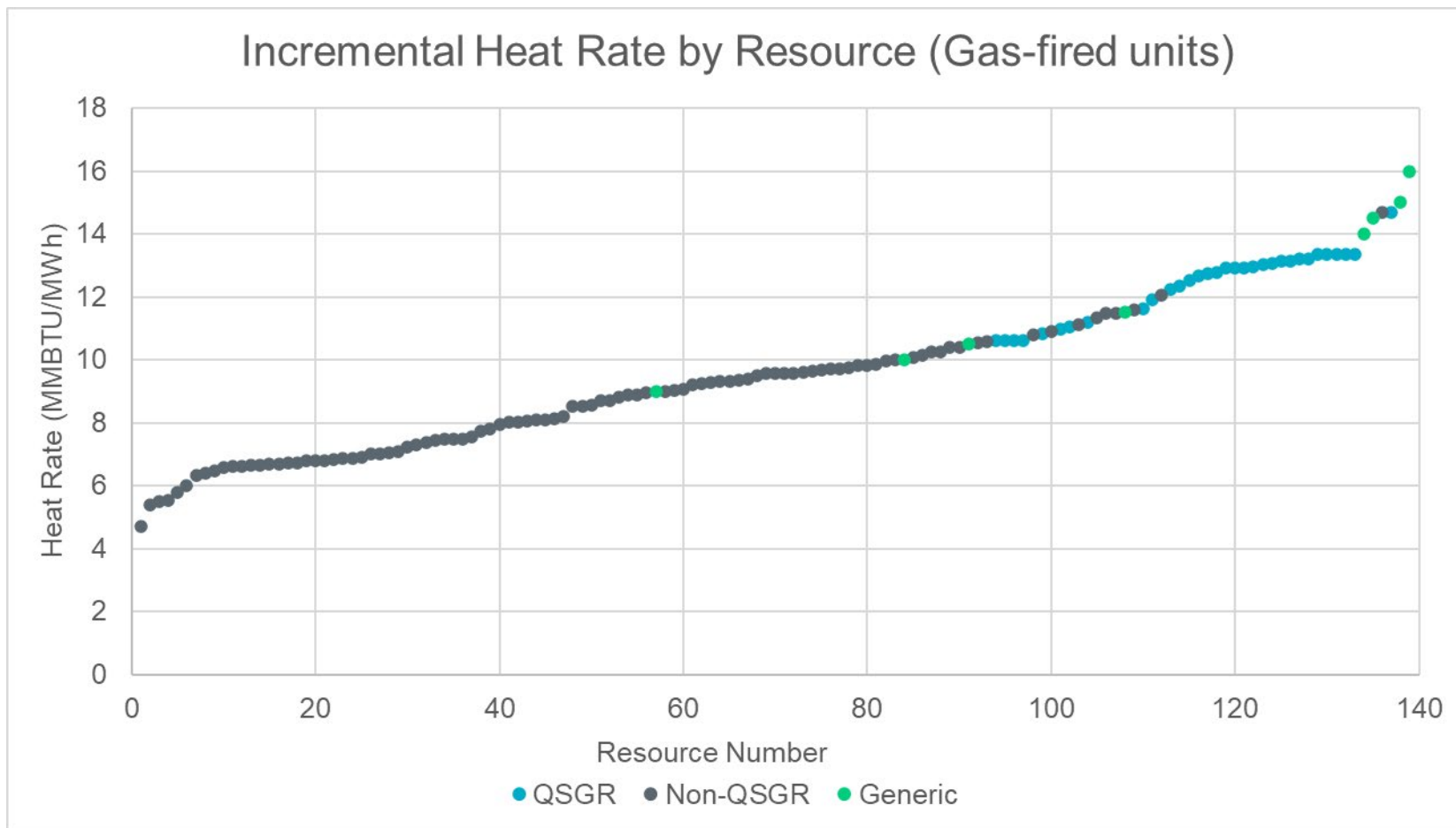


# Excluding Non-Spin Capacity and ONRUC Resources: by Resource Type

- Break down curve on previous slide by Resource Type.



# Analyze verifiable cost from gas-fired units



Note: The generic costs for different resource types are shown in the table below:

CCGT90	CCLE90	GSSUP	GSREH	SCGT90	GSNONR	SCLE90	DSL
9	10	10.5	11.5	14	14.5	15	16