



ERCOT Grid Operations

ESR Integration Report : 12/16/2024

Current Daily Values:

| | |
|-----------------------------------|-----------|
| Installed ESR Discharge Capacity* | 9,690 MW |
| Total ESR Discharge Capacity** | 11,225 MW |
| Installed ESR Charge Capacity+ | 11,148 MW |
| Total ESR Charge Capacity++ | 11,148 MW |

| | |
|---|-----------|
| Peak Load | 53,903 MW |
| Peak Load Hour (HE) | 16 |
| ESR Discharge at Peak Load Hour | 186 MW |
| ESR Charge at Peak Load Hour | 699 MW |
| ESR Net Charge/Discharge at Peak Load Hour^ | -513 MW |

| | |
|---------------------------------------|----------|
| Max ESR Discharge Generation | 3,532 MW |
| Max ESR Discharge Time | 17:20 |
| Penetration at Max ESR Discharge Time | 6.60% |

| | |
|------------------------------------|----------|
| Max ESR Charge Load | 2,178 MW |
| Max ESR Charge Time | 10:19 |
| Penetration at Max ESR Charge Time | 4.19% |

| | |
|--|----------|
| Max ESR Discharge Penetration | 6.60% |
| Max ESR Discharge Penetration Time | 17:20 |
| ESR Discharge Generation at Max ESR Discharge Penetration Time | 3,532 MW |

| | |
|--|----------|
| Max ESR Charge Penetration | 4.19% |
| Max ESR Charge Penetration Time | 10:19 |
| ESR Charge Load at Max ESR Charge Penetration Time | 2,178 MW |

* Sum of maximum capacity (i.e. seasonal net max. sustainable rating in R100) of all ESR generators modeled in ERCOT's network operations model and are commercially operable (estimated based on Commercial Operations Date in R100).

** Sum of maximum capacity (i.e. seasonal net max. sustainable rating in R100) of all ESR generators modeled in ERCOT's network operations model.

+ Sum of maximum capacity (i.e. maximum point of delivery total load in R100) of all ESR CLRs that are modeled in ERCOT's network operations model and are commercially operable (estimated based on Commercial Operations Date in R100).

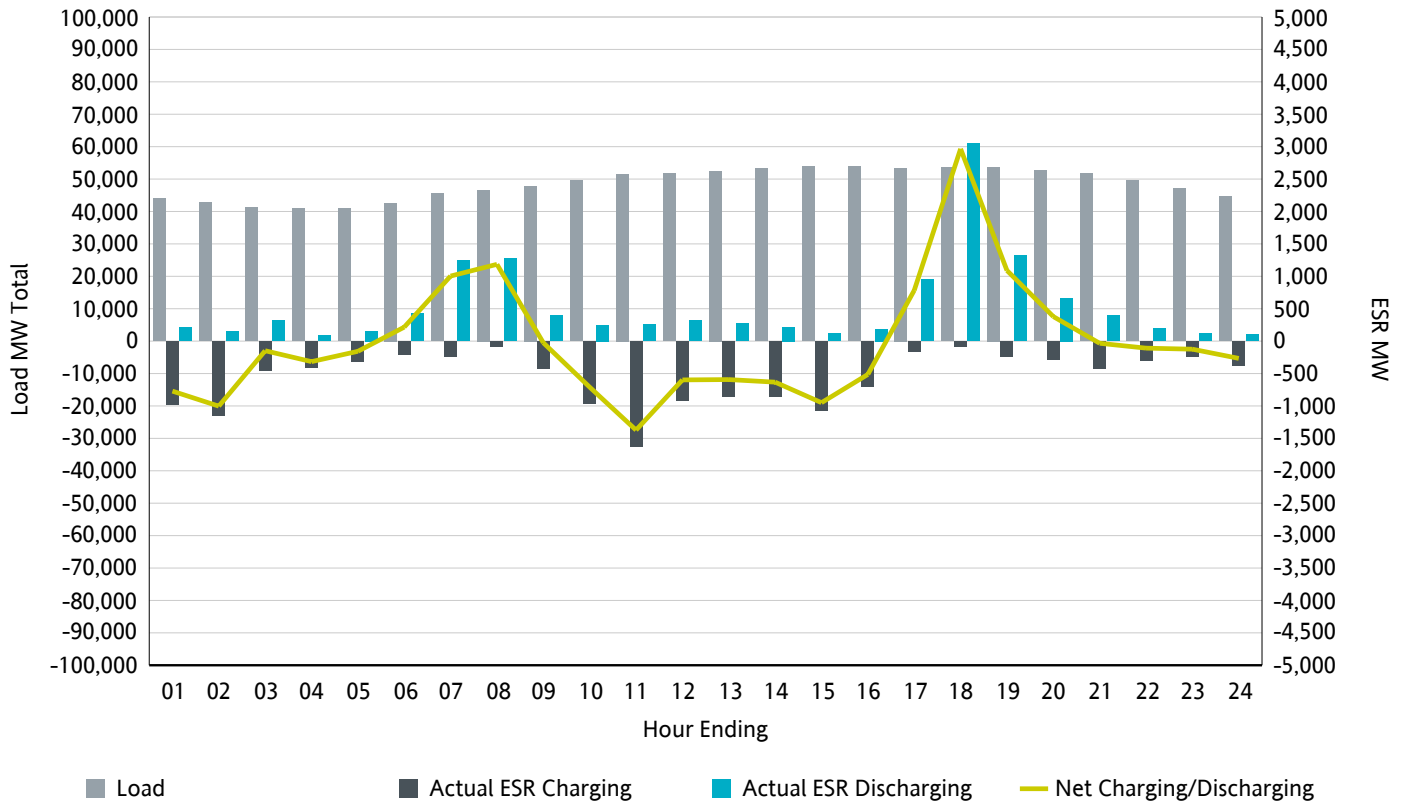
++ Sum of maximum capacity (i.e. maximum point of delivery total load in R100) of all ESR CLRs that are modeled in ERCOT's network operations model.

^ ESR Net Charge/Discharge = Total Discharging from ESR generators - Total Charging from ESR CLRs. Positive represents Net Discharge; negative represents Net Charge.

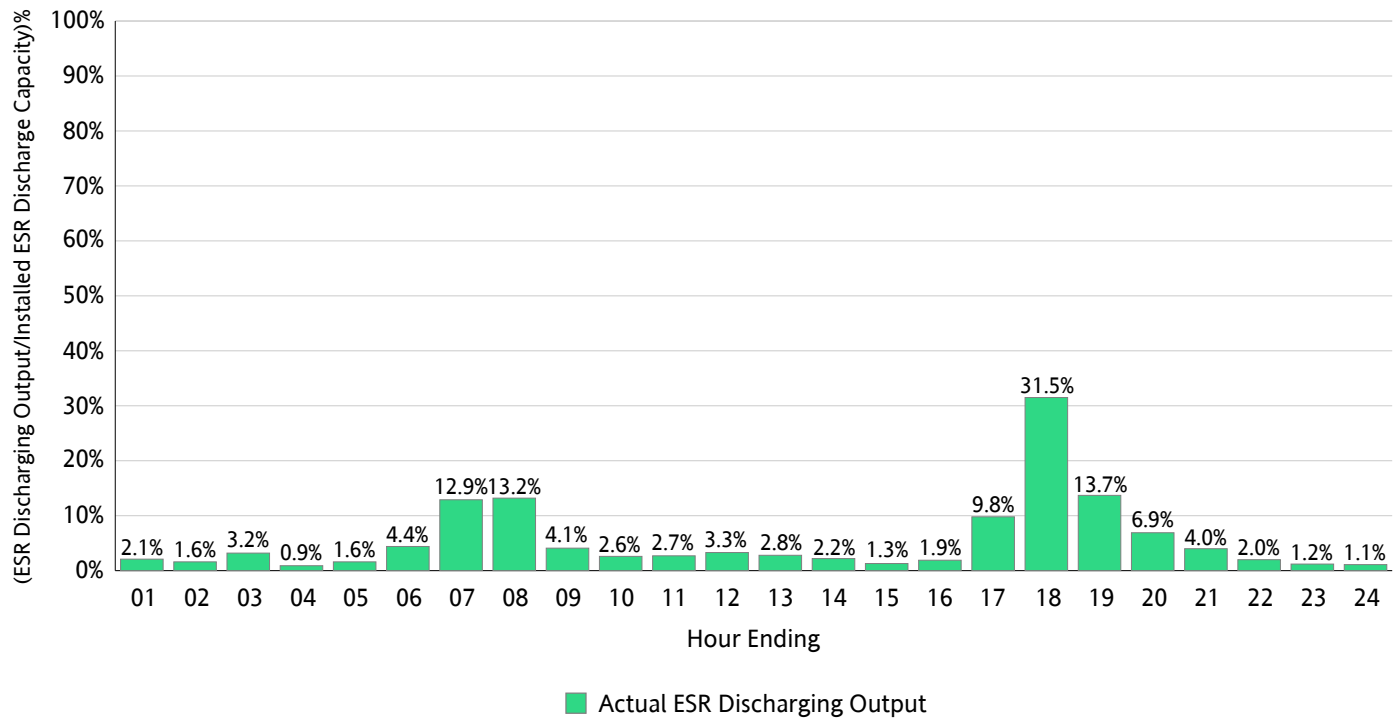
Note that generation, generation record, and generator capacity values in following pages of this report are based on units modeled in ERCOT's network operations model.

Hourly Average Actual Load vs. Actual ESR Output

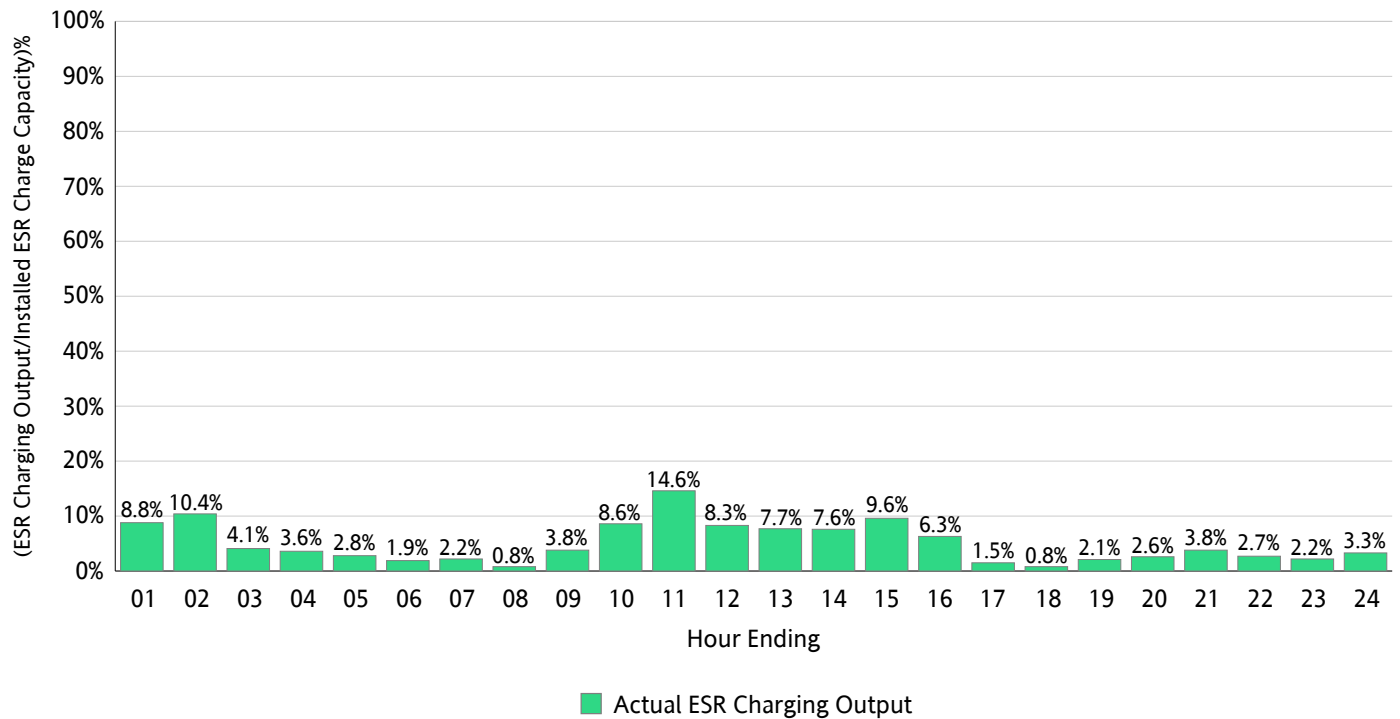
12/16/2024



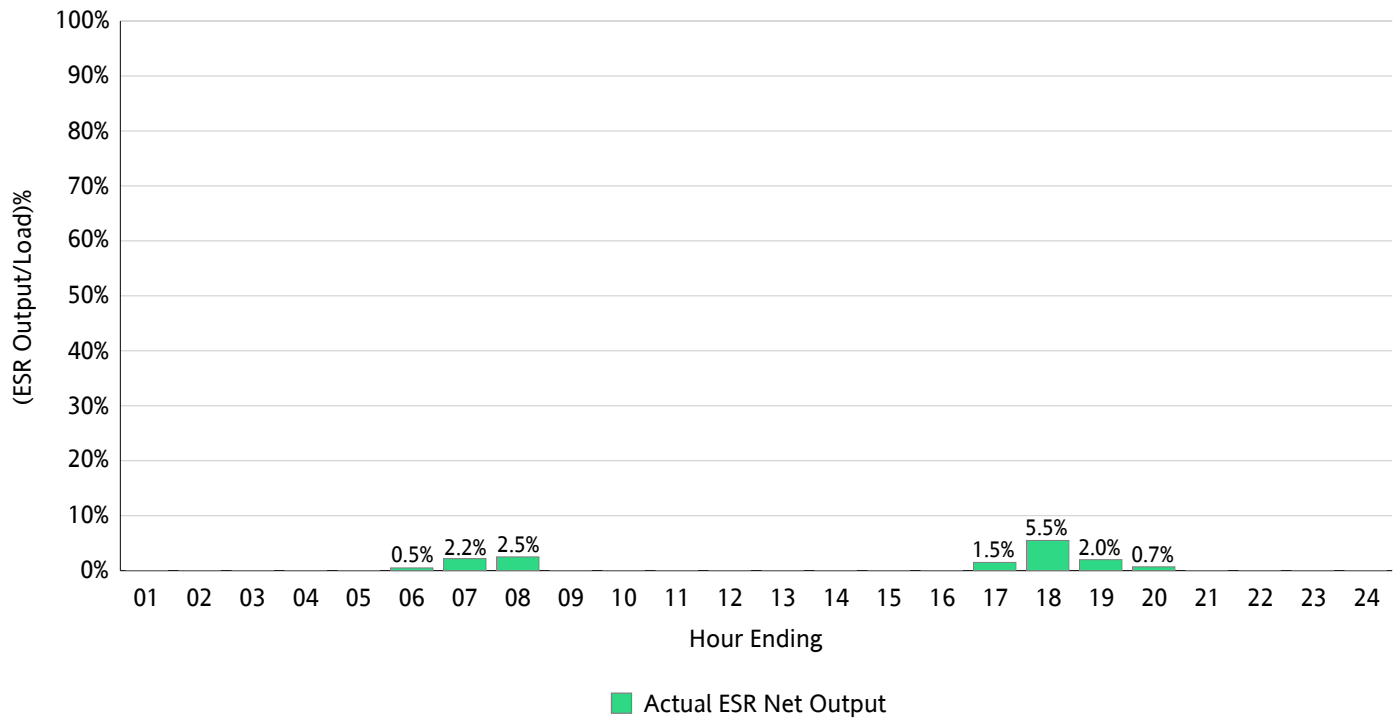
Actual ESR Discharging Output as a Percentage of Total Installed ESR Discharge Capacity 12/16/2024



Actual ESR Charging Output as a Percentage of Total Installed ESR Charge Capacity 12/16/2024



Actual ESR Net Output as a Percentage of ERCOT Load 12/16/2024



ERCOT Load vs. Actual ESR Net Output
12/09/2024 - 12/16/2024

