

Chart of the Week #2025-26

The First 2025 U.S. Summer Heat Wave and Power Generation

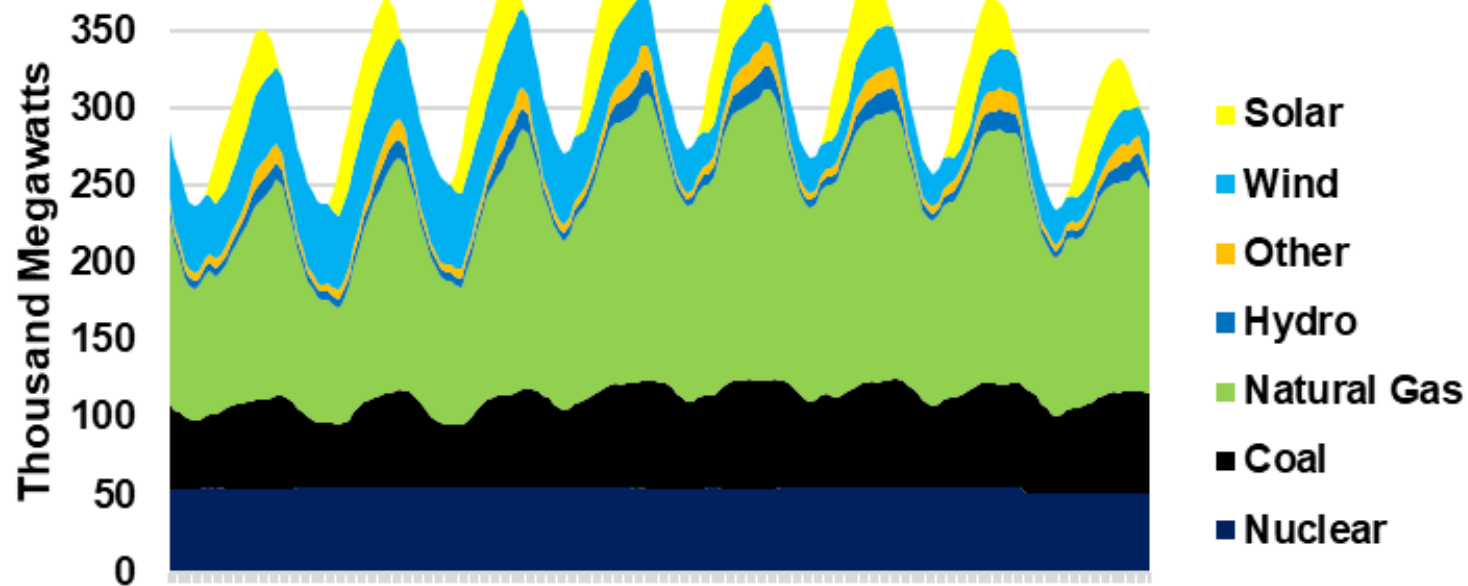


**Max Pyziur
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Washington, DC**



The First 2025 U.S. Summer Heat Wave and Power Generation

Hourly Power Generation: from 6/20/2025 to 6/28/2025



Analysis Based on Hourly EIA Data

Energy Policy Research

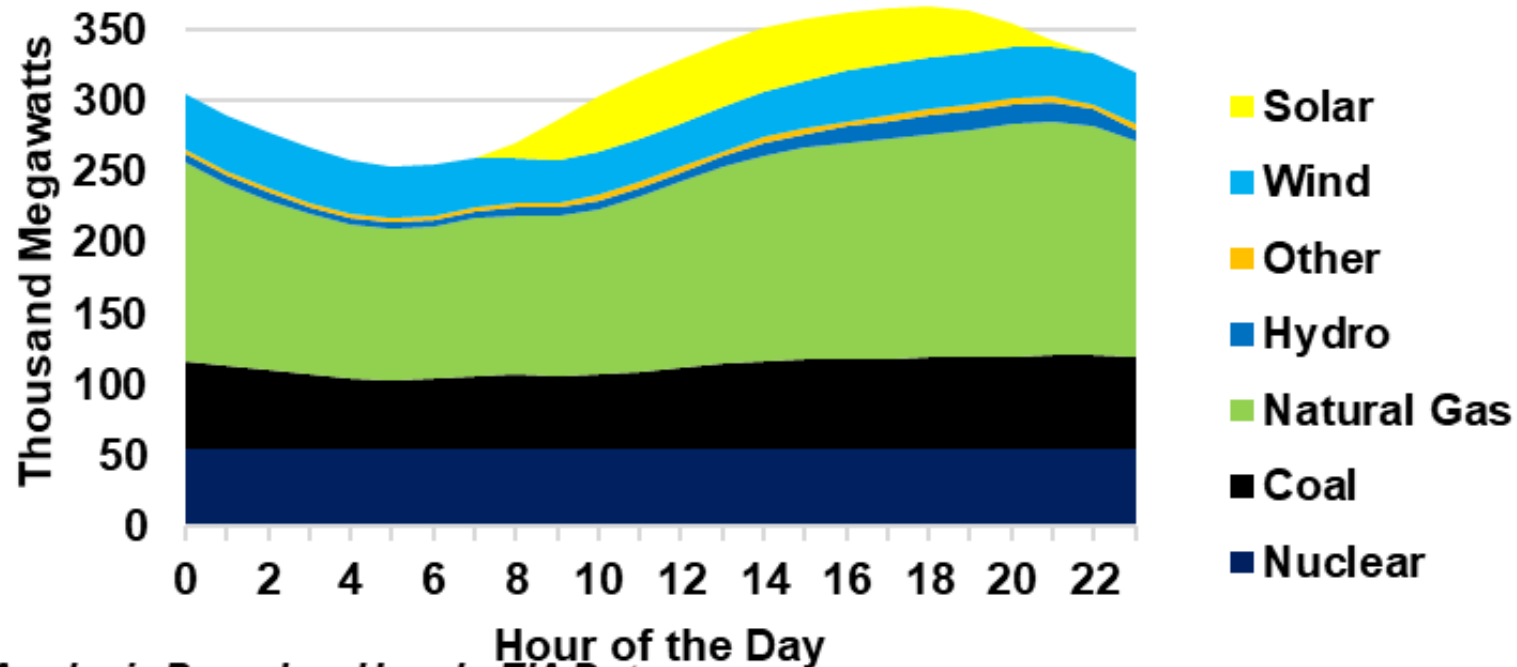
The first U.S. summer heat wave came early in 2025. A heat dome covered Mid-Continent, Mid-Atlantic, and Northeastern states during late June for almost a week with temperatures peaking June 23rd.

Electricity demand rose in response, especially as delivered by the ERCOT (Texas), MISO (Midwest), ISNE (New England), NYISO (New York State), and PJM (Virginia, New Jersey, Maryland, Ohio, and parts of Indiana and Illinois) RTOs (regional transmission operators).

In response, power generation hit 401 thousand MWs between the hours of 5pm and 7pm, or almost 55% of total U.S. generation on that day.

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Average Hourly Power Generation: from 6/20/2025 to 6/28/2025



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Looking at the average hourly generation in these RTOs for the period from June 20th to June 28th, dispatchable generation (nuclear, coal, natural gas, and hydro) accounted for over 81% of electricity production. Natural gas alone accounted for 42.7%.

Intermittent generation (solar and wind) accounted for 17.1% of which 11.3% was from wind.

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- This slide deck is available at: <https://eprinc.org/chart-of-the-week/>
- For more information on this chart, please contact Max Pyziur (maxp@eprinc.org).