



Chart of the Week #2022-27 **Mid-Summer Electricity** **Generation: California & Texas**

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Washington, DC

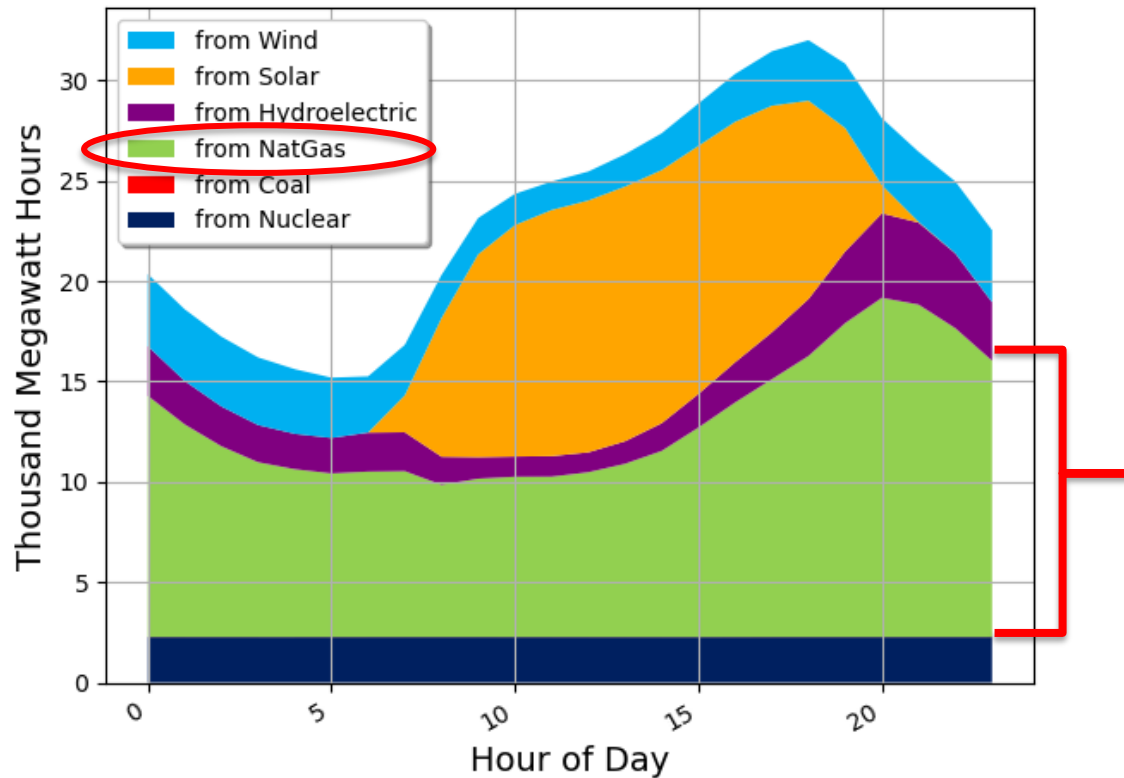
Source: Spearville KS
AP Photo/Charlie Riedel

2022 Mid-Summer Electricity Generation: California & Texas

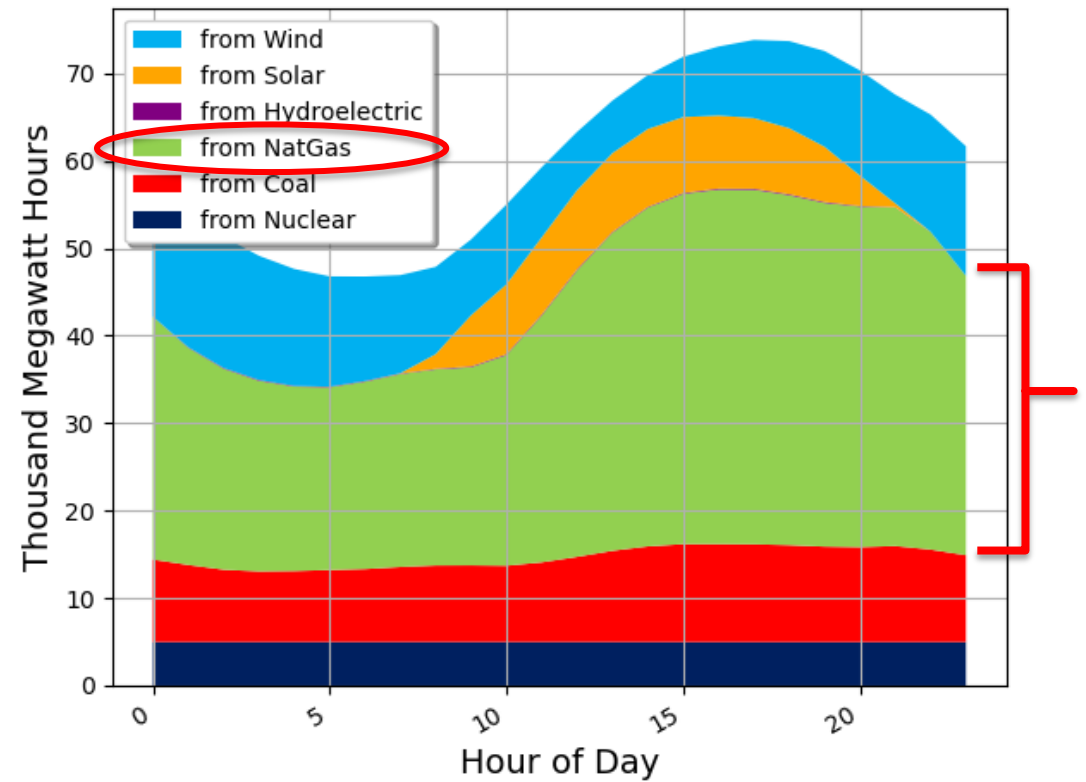


Despite large installments of renewable energy capacity in California and Texas, both states are continuing to rely on large amounts of natural gas generation to meet daily peak 2022 summer electricity demand.

CAISO of California Average Hourly Electricity Production:
from Nuclear, from Coal, from NatGas, from Hydroelectric,
from Solar, from Wind: from 06/25/2022 to 07/25/2022



ERCOT of Texas Average Hourly Electricity Production:
from Nuclear, from Coal, from NatGas, from Hydroelectric, from
Solar, from Wind: from 06/25/2022 to 07/25/2022



2022 Mid-Summer Electricity Generation: California & Texas



- **California has 10,000 megawatts of installed hydroelectric capacity. Its utilization is highly dependent on water levels at California's reservoirs critical for summer peak generation.**
- **Beginning two years ago (2020), California has been experiencing a severe drought; this has caused water levels across all of California's hydroelectric reservoirs to drop considerably.**
- **In addition, California has 11,000 megawatts of solar capacity.**
- **Texas has aggressively installed large amounts of wind power generation capacity, currently totaling over 38,000 megawatts.**
- **Despite these large installments of renewable energy capacity in California and Texas, both states are continuing to rely on large amounts of natural gas generation to meet daily peak 2022 summer electricity demand.**
- **Several public policy initiatives have been key to both states having large amounts of renewable capacity, including federal investment and production tax credits.**
- **This slide deck is available at [EPRINC's Chart of The Week Archive](#).**
- **For more information on these charts, please contact Max Pyziur (maxp@eprinc.org).**