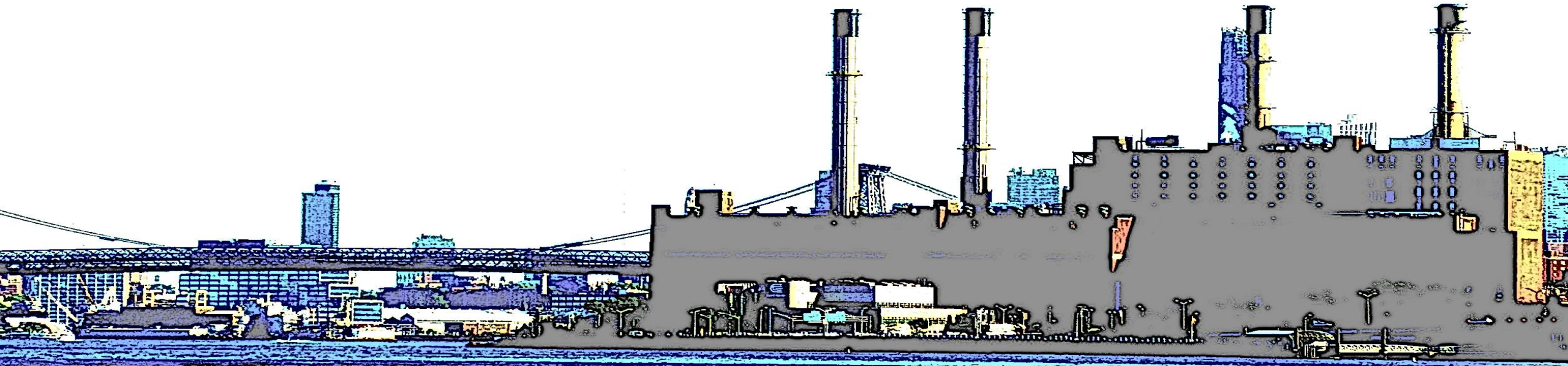


Chart of the Week #2024-35

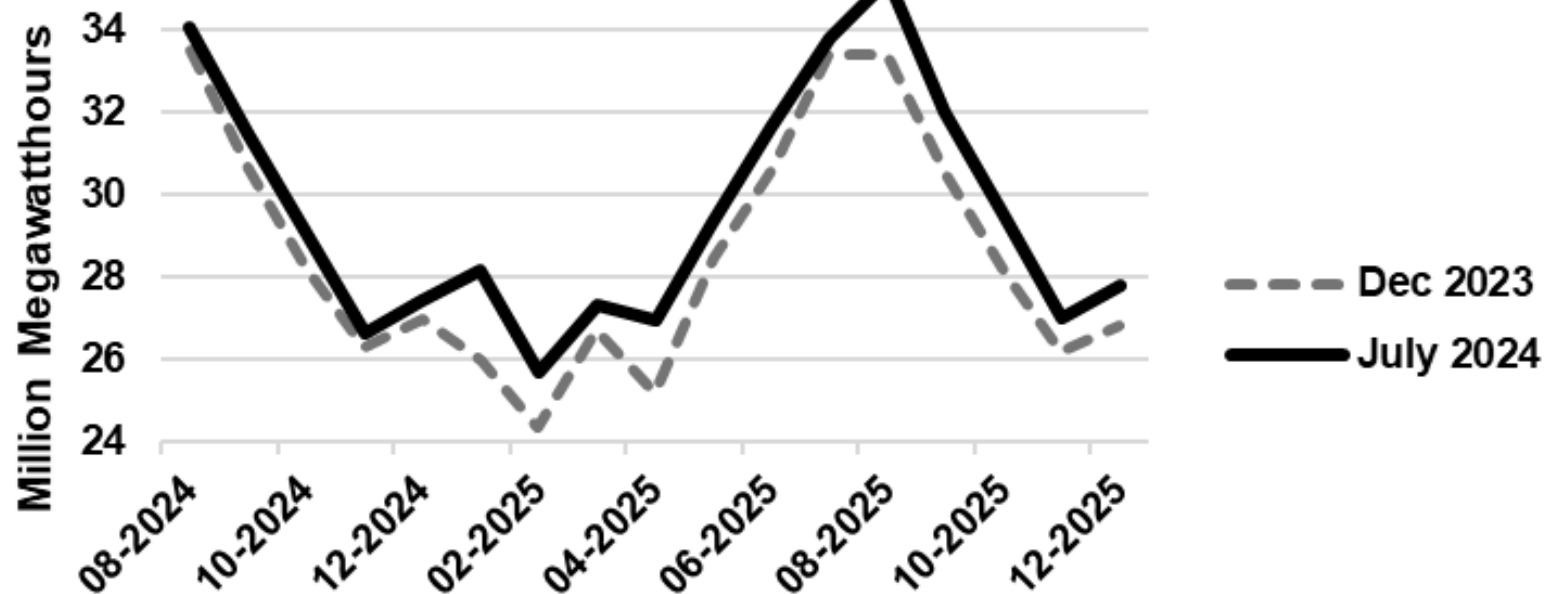
U.S. Upward Reassessment of Electricity Demand in South Atlantic States



**Max Pyziur
September 4, 2024
Washington, DC**



EIA Forecast of U.S. Commercial Sector Monthly Electricity Consumption in the South Atlantic States

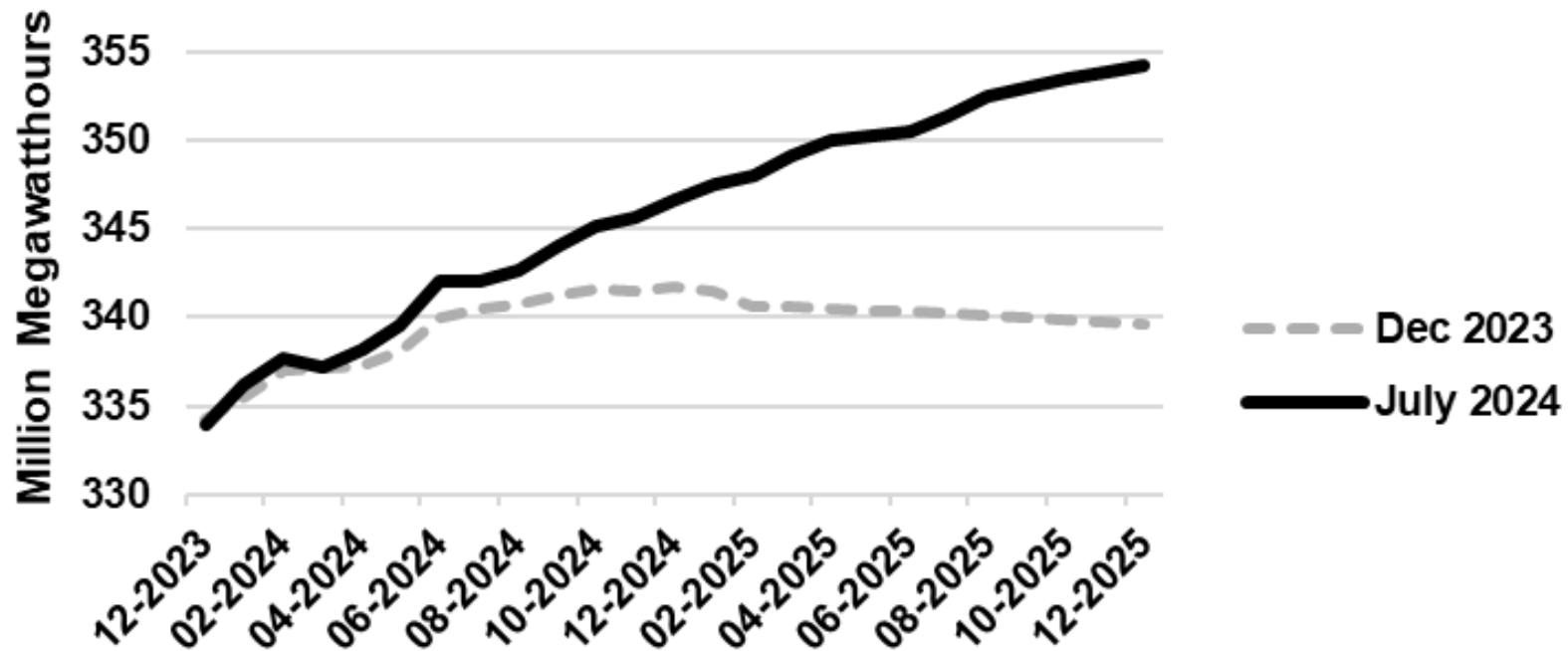


Analysis Based on Monthly EIA STEO Data

EPRINC

Comparing EIA's December 2023 and July 2024 STEOs, monthly electricity demand growth for the nine South Atlantic States (which includes Virginia) have been restated between 1.2% to 8.5% (an average of 3.7%) through December 2025.

EIA Forecast of U.S. Commercial Sector Monthly Electricity Consumption in the South Atlantic States



Viewed on a trailing twelve-month basis, the gap is more pronounced

Analysis Based on Monthly EIA STEO Data on a Trailing 12 Mo Basis **EPRINC**

U.S. Upward Reassessment of Electricity Demand in South Atlantic States



- While power generation capacity is in place through 2025 to accommodate U.S. electricity demand growth, increasing concerns are raised regarding the long-term availability of adequate capacity if increased demand growth is set to continue. Recent guidance from major investor-owned utilities has indicated that projected demand growth has needed to be restated higher in relation to prior assessments. While rising electrification in residential heating and increased manufacturing are contributors, more frequently cited reasons are the expectations that data center expansion will be the primary cause.
- Concentrations of data centers are found in Texas, Northern Illinois, California, and Washington State (please see https://eprinc.org/wp-content/uploads/2024/02/COW-2024-07-narrative-Part2_v2.pdf). However, the largest share and expected continued expansion is in Northern Virginia where there is ample space, affordable electricity, proximity to key high-capacity network transmission lines, and infrequent natural disasters.
- The U.S. Energy Information Administration (EIA) publishes its Short-term Energy Outlook (STEO) monthly. The STEOs provides concise assessments of expected supply/demand balances of key U.S. energy sources for the subsequent 18 to 24 months at both national and regional levels. They are subject to frequent revisions.
- This slide deck is available at: <https://eprinc.org/chart-of-the-week/>
- For more information on these charts, please contact Max Pyziur (maxp@eprinc.org).