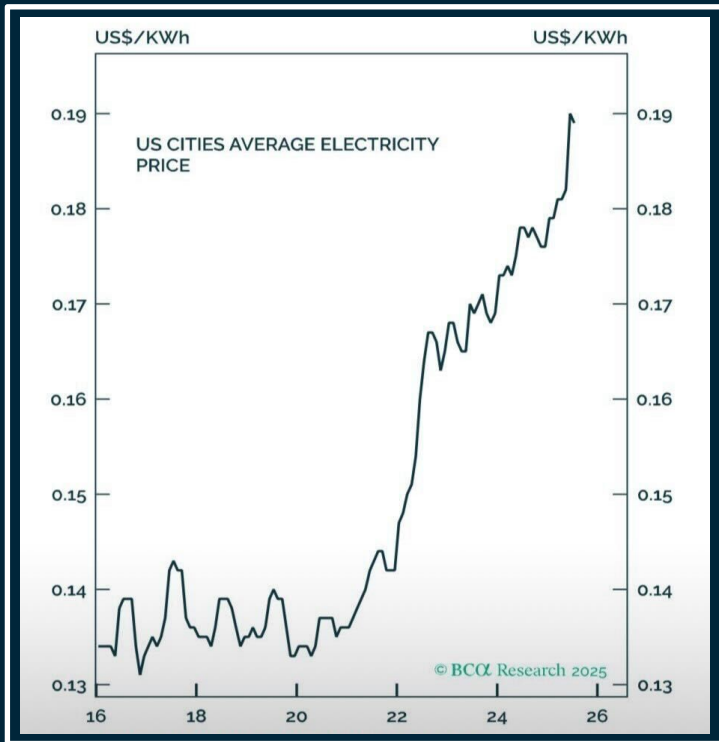




Virtual Power Plants

Soaring electric bills are hitting American households and businesses and are now a top political issue



Source: Federal Reserve Bank of St. Louis, ClimateWire.

CLIMATEWIRE Gift article

New Jersey gubernatorial race tightens as power bills jolt voters

The cost of electricity has emerged as a top issue in the contest between Democrat Mikie Sherrill and Republican Jack Ciattarelli.

BY: ADAM ATON, TIMOTHY CAMA | 09/29/2025 06:17 AM EDT

Republican Jack Ciattarelli responds to questions during a gubernatorial debate with Democrat Mikie Sherrill on Sept. 21 in Lawrenceville, New Jersey. | Noah K. Murray/AP

CLIMATEWIRE | Electricity prices and housing costs are pushing the New Jersey gubernatorial campaign into a neck-and-neck race.

Three Core Macro Trends

#1

**Load
Growth** is at
unprecedented
levels

#2

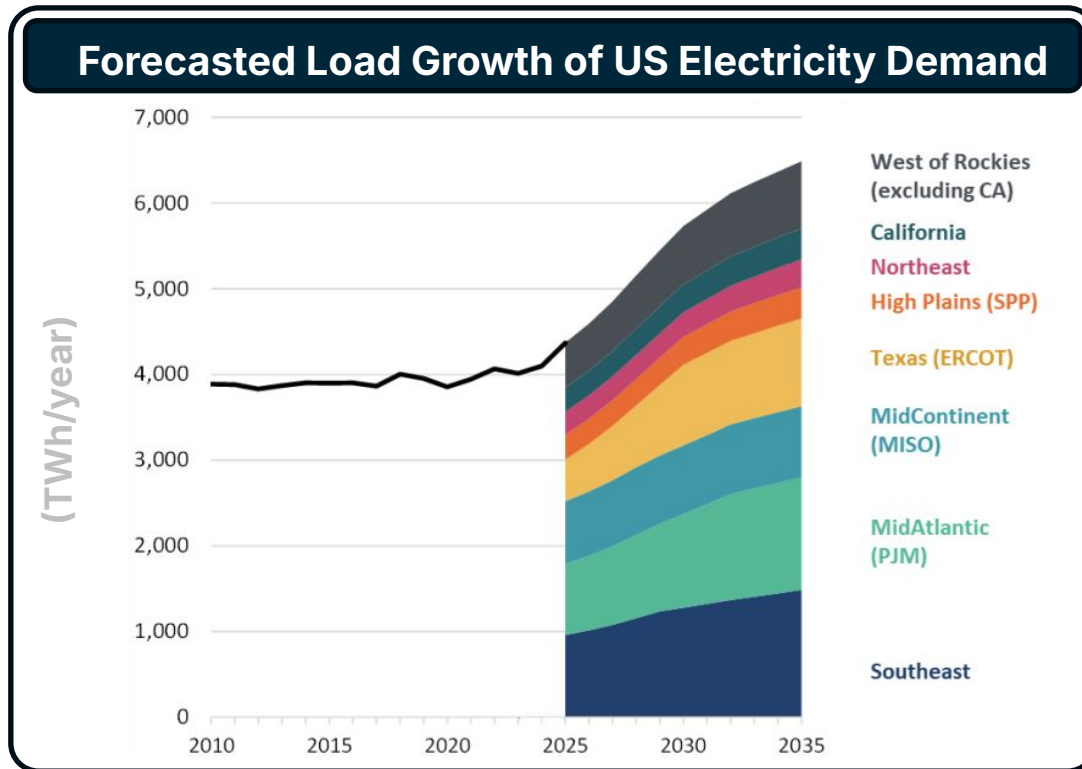
**Renewable
Growth** is
outpacing
predictions

#3

**Grid
Reliability** is
increasingly
challenging

Trend #1: **Load Growth**

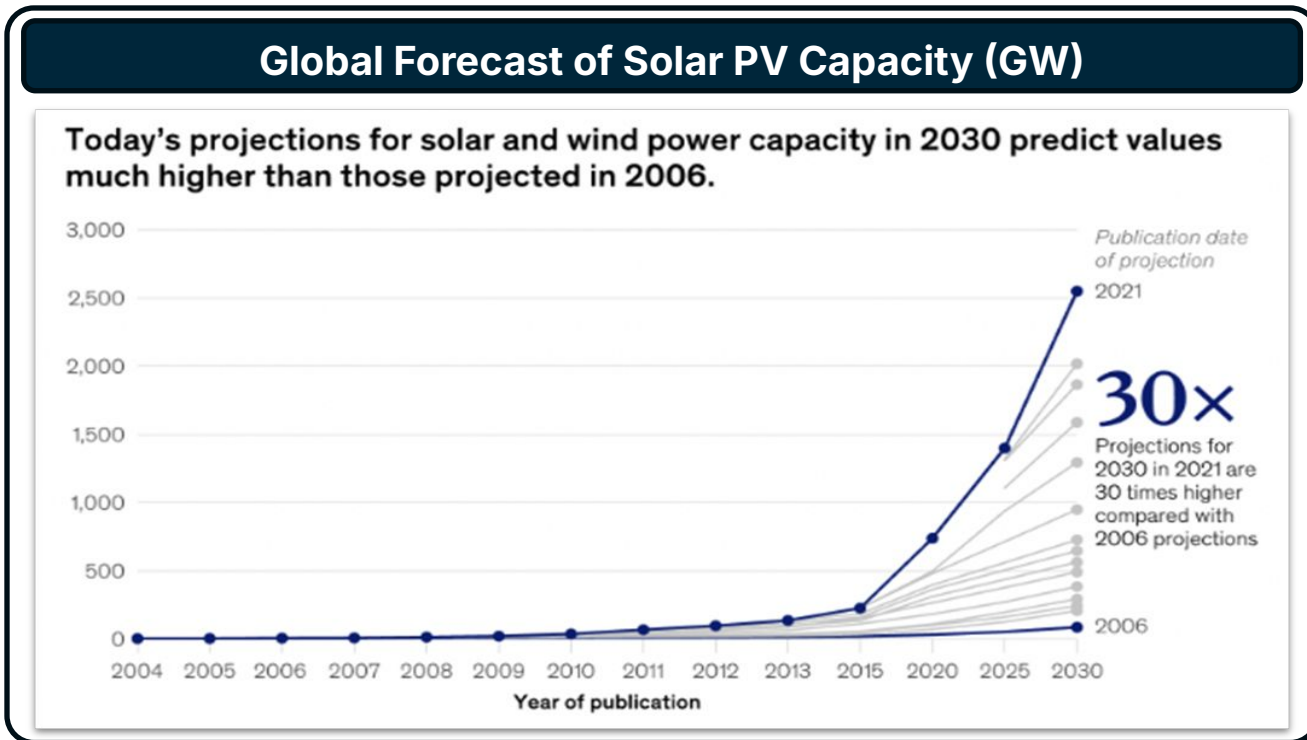
US Power Demand: The world is no longer flat



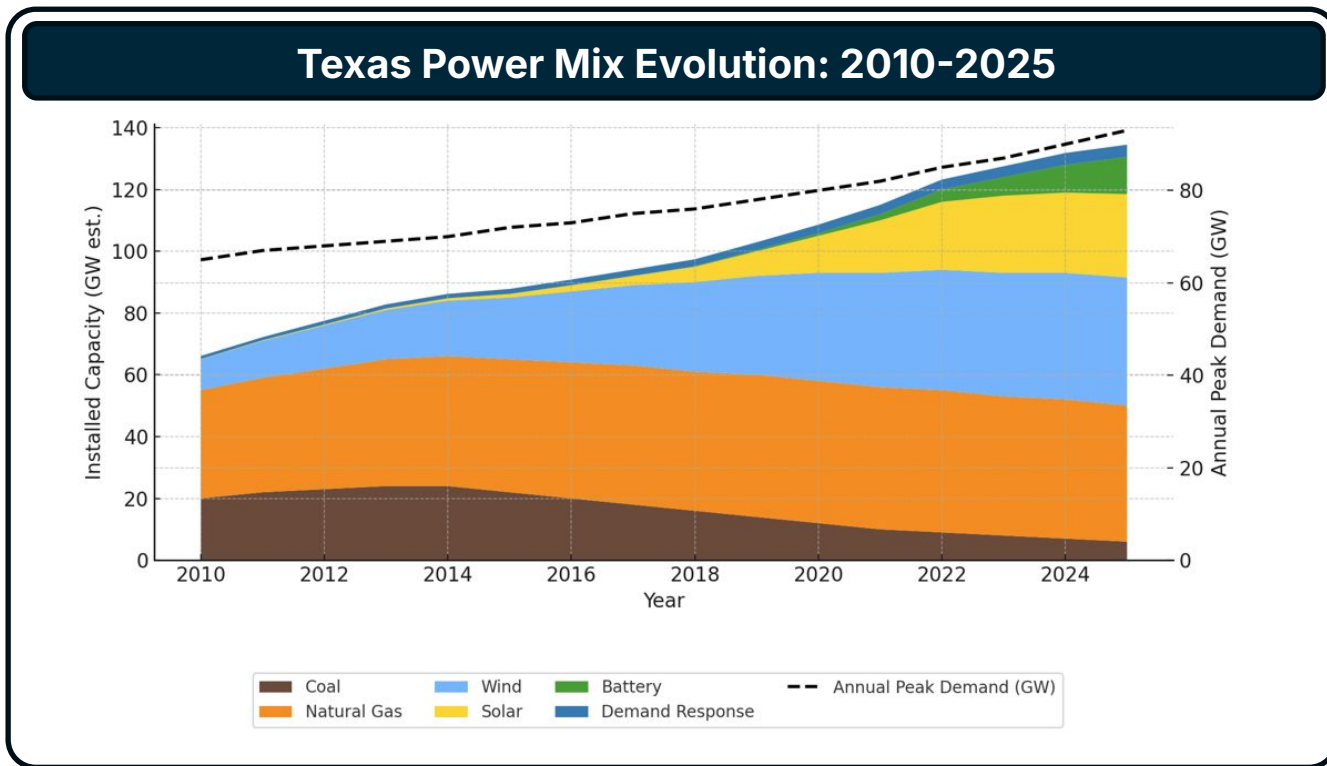
Source: The Brattle Group, based on an aggregation of individual RTOs' and utilities' most recent forecasts.

Trend #2: Renewable Growth

We continue to under-predict renewable growth

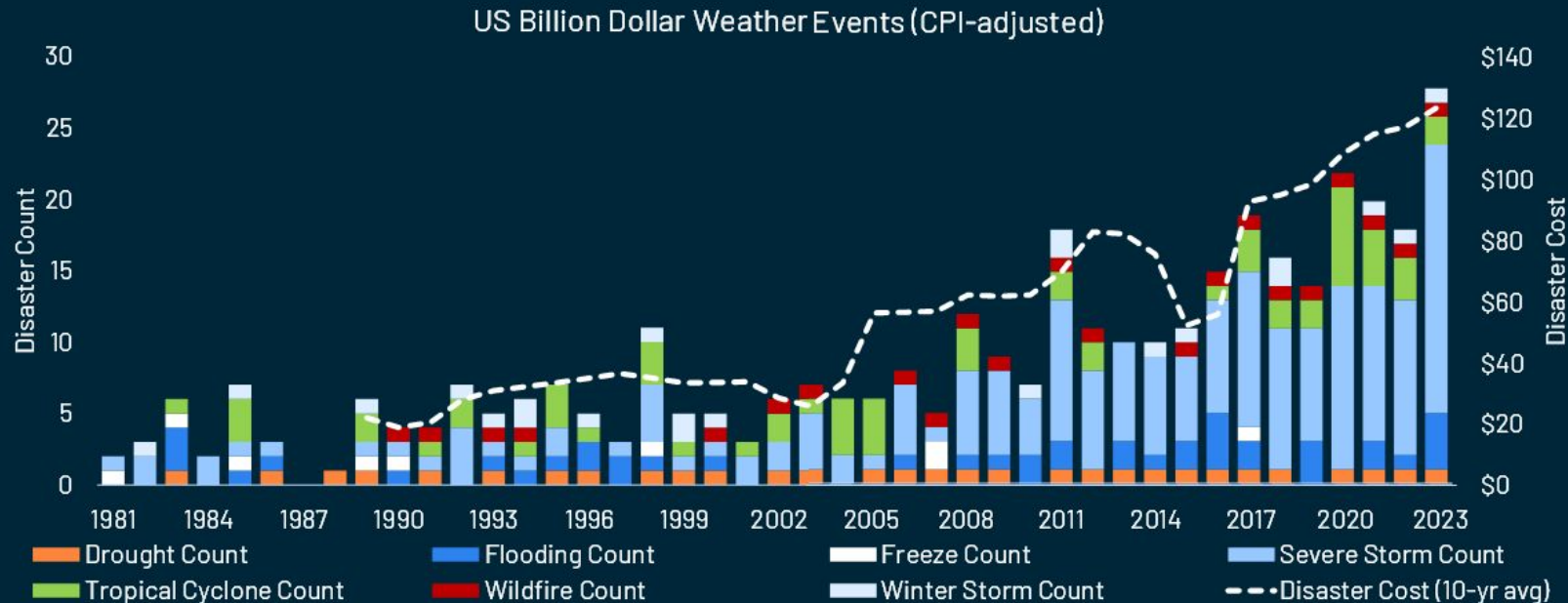


Trend #2: Renewable Growth



Trend #3: **Grid Reliability**

More frequent and more costly weather disasters...



Trend #3: **Grid Reliability**

... make it increasingly challenging to manage the grid

DIVE BRIEF

Rising peak demand, 83 GW of planned retirements create blackout risks for most of US: NERC

Biggest US electrical grid operator issues energy emergency alert as temperatures soar

PJM Interconnection says alerts are part of grid operator preparing for increased demand, intense heat

Regulators warn much of U.S. power grid is vulnerable to major winter storms

DECEMBER 13, 2023 · 4:35 PM ET

HEARD ON ALL THINGS CONSIDERED

CleanTechnica

CLEAN POWER

Gas Generators Get Caught With Their Plants Down

Gas and Coal Failures Widespread as Largest Grid Operator in U.S. Struggled to Manage 'Winter Storm Elliott'



By: [Climate Nexus](#) | Updated: January 12, 2023 |

BGE blackouts put spotlight on Maryland's fragile power grid as summer demand rises

NEWS GRID EDGE U.S. MARKET

Is this the tipping point VPP providers have been waiting for?

Voltus CEO Dana Guernsey describes the “massive paradigm shift” underway.

—MAEVE ALLSUP | AUGUST 15, 2025



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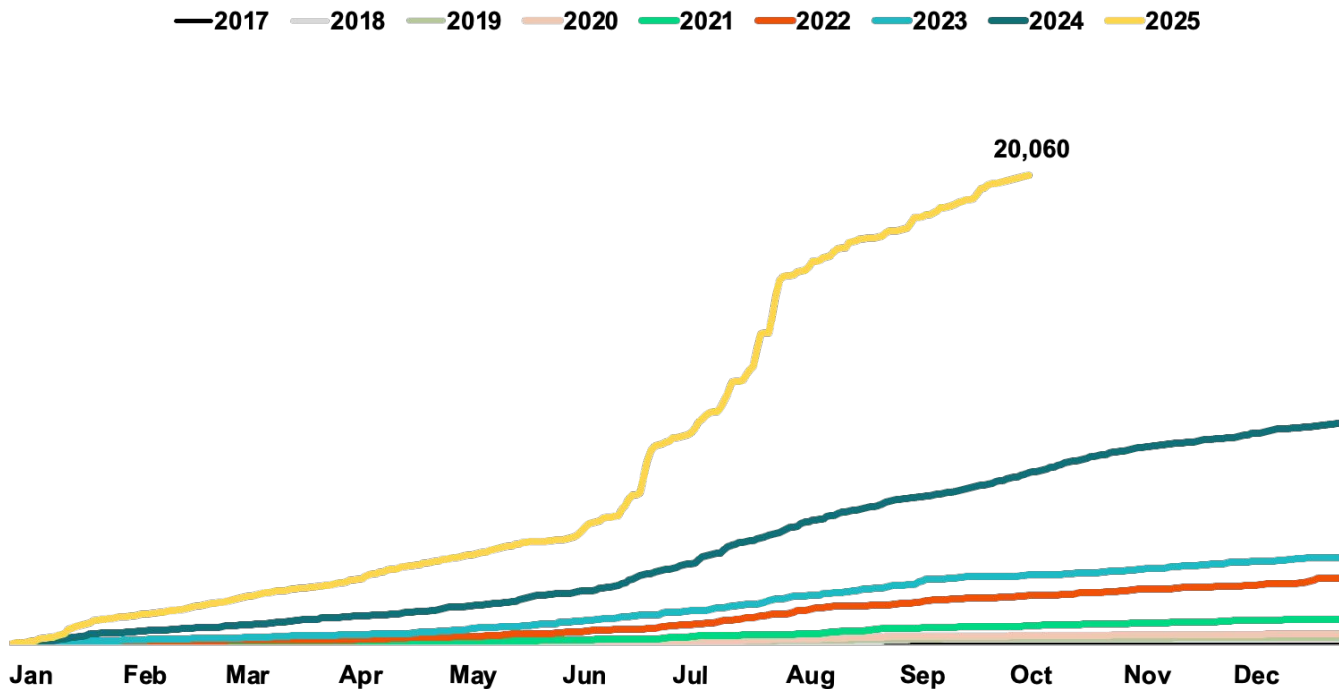
PODCAST

The new wave of DERs

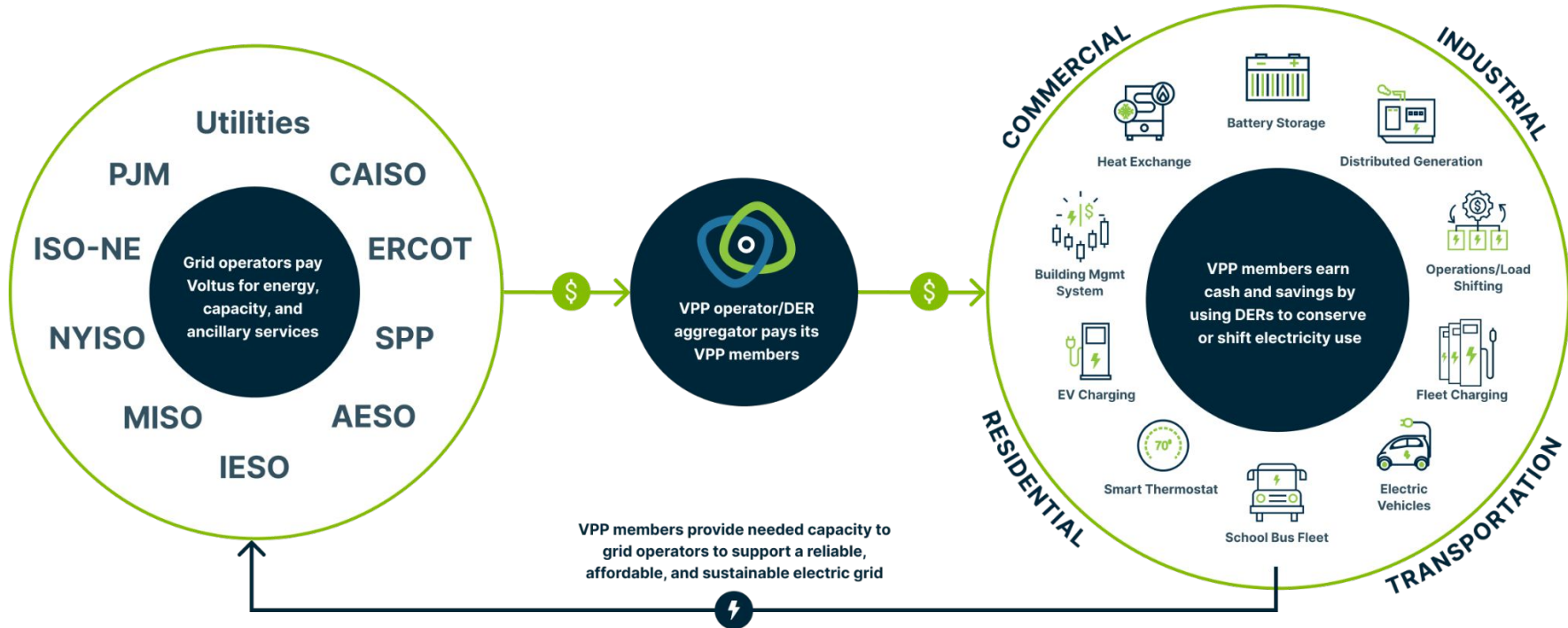
—SHAYLE KANN | —CATALYST | OCT 2, 2025

DERs: From Backup to Backbone

Voltus VPP Dispatches by Year



Voltus aggregates and monetizes Distributed Energy Resources (DERs) like power plants ("Virtual Power Plants"), sharing the value created with customers

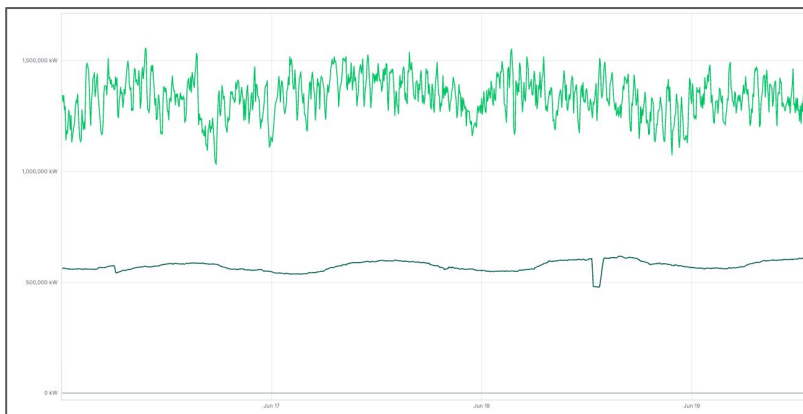


Deliverable Results

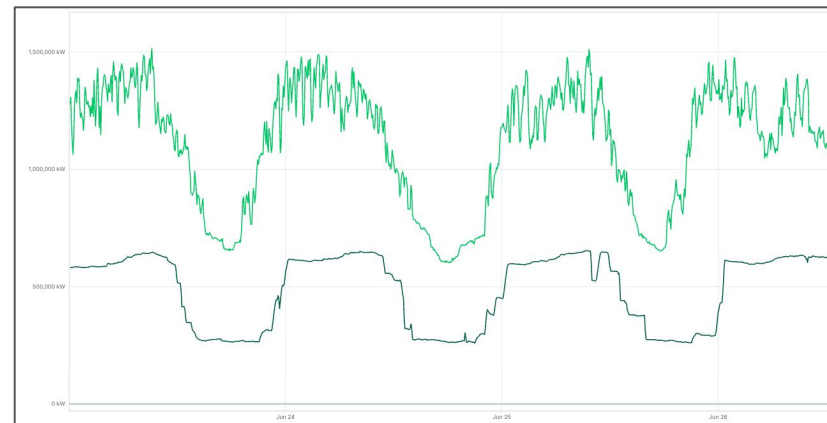
Dispatched Voltus Assets

PJM
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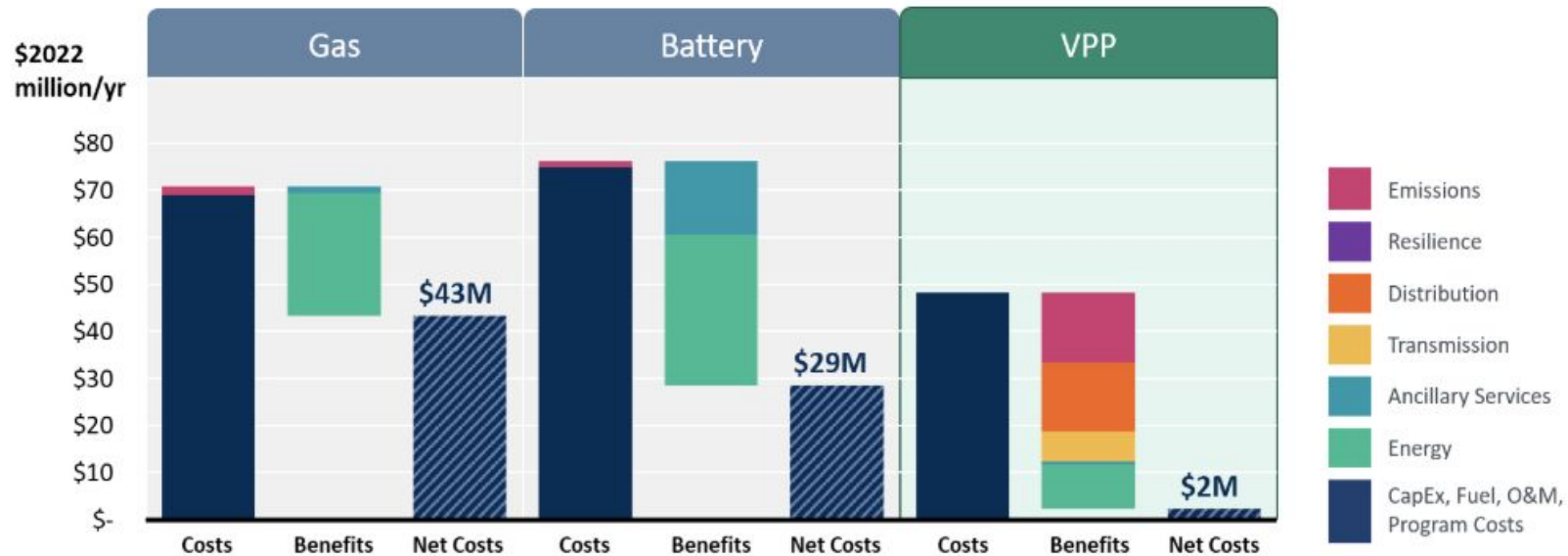


June 23-26 2025



DERs and VPPs are the cheapest, fastest, and cleanest resources to relieve the grid and aid consumers

Annualized Cost of Providing 400 MW of Resource Adequacy

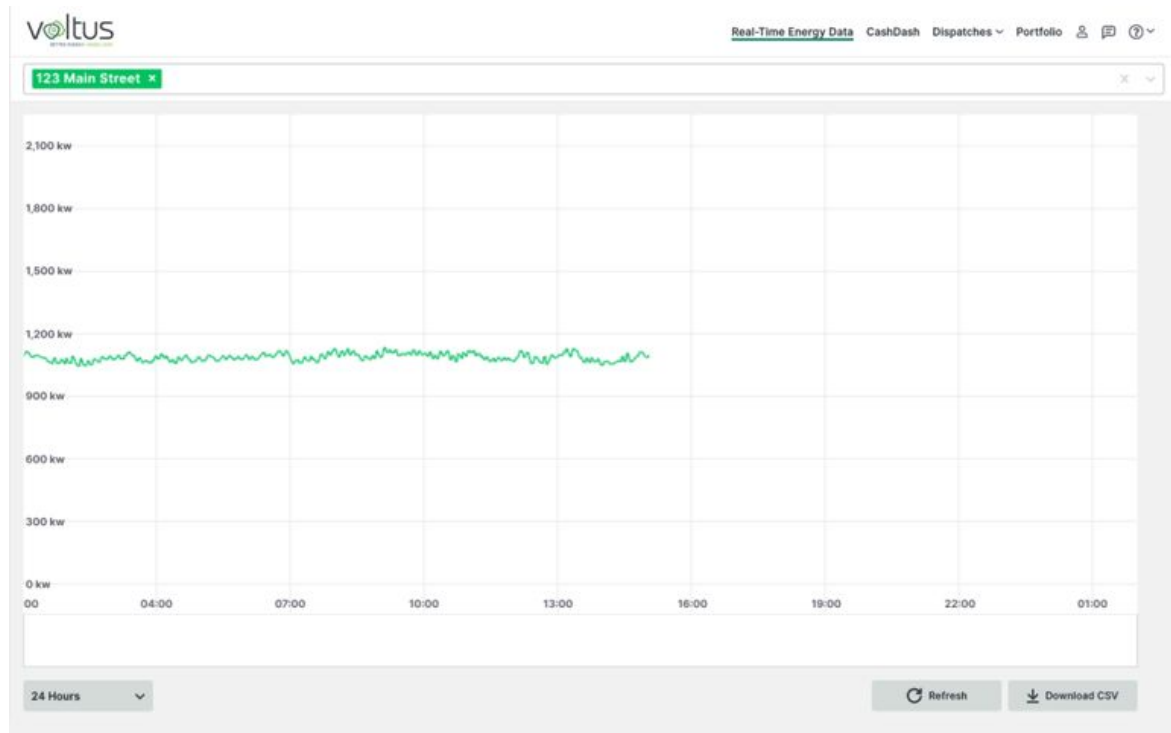


Voltus Today

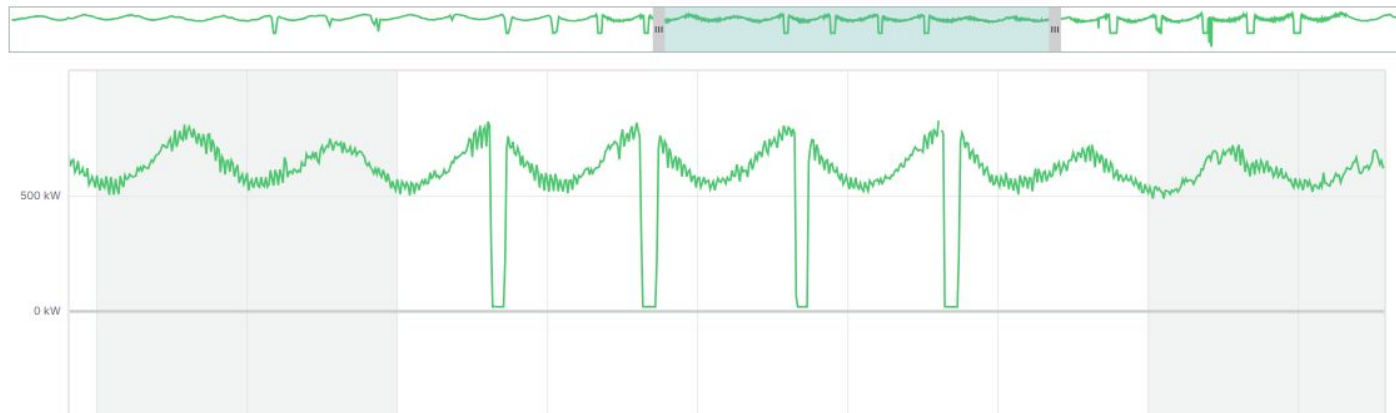
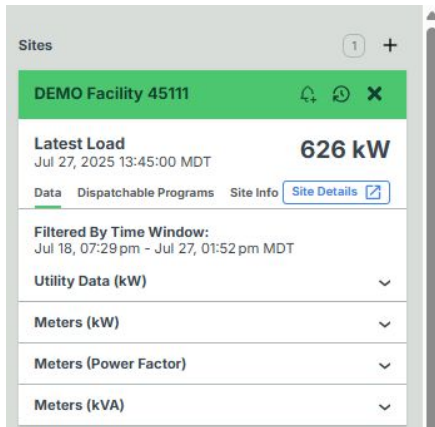
Platform provides **visibility into DR performance and earnings**

75+ load flexibility products
across North America

Voltus VPPs are
dispatched every day



Increasingly, customers are deploying on site DERs



Voltus energy storage and microgrid partners

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