



# Verrus Data Centers

The next generation of  
data center capacity

GRID AWARE, CARBON AWARE, COMPUTE AWARE™

March 2025

# Verrus: Reimagining the Data Center as a Grid Asset

Transforming static IT load into a dispatchable, grid-responsive resource through the Verrus **Powerflow™** platform

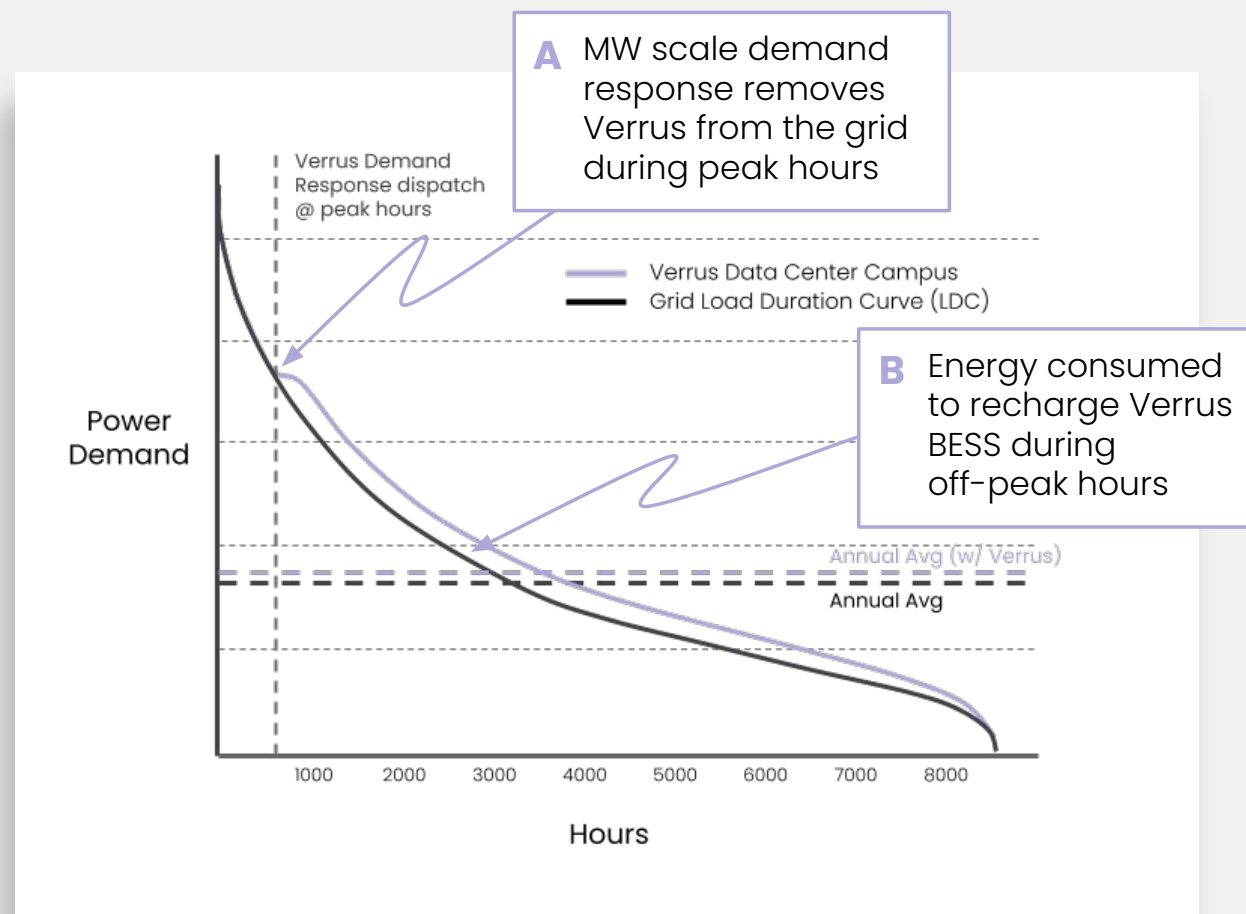


## Innovative Design

- **Integrated Powerflow™ Platform:** A grid-aware "operating system" that synchronizes electrical hardware, server workloads, and onsite battery storage throughout the facility.
- **Dynamic Load Balancing:** Moves beyond internal power management to actively balance energy flow across the interconnect with utility-scale, asset-backed load flexibility.
- **The "Grid Shock Absorber":** Megawatt-scale optimization that improves grid asset utilization for both utilities (upstream) and AI customers (down-stream), while strengthening resiliency and reliability for both.

# Driving Reliability and Lowering Ratepayer Costs

Decoupling load growth from infrastructure spend to keep the grid stable and affordable



Representative utility Load Duration Curve (LDC)

- **Asset-Backed Load Flexibility:** We leverage integrated battery storage and "computational shedding" to drop load instantly during grid stress, providing a high-confidence alternative to traditional firm capacity.
- **Infrastructure Avoidance (NWA):** By dynamically managing our peak demand, we reduce or eliminate the need for costly new generation and transmission backbone investments typically required to serve large-scale AI loads.
- **Downward Pressure on Rates:** Our model provides high-utilization revenue to the utility with zero or minimal incremental infrastructure cost, directly subsidizing the grid for all residential and industrial ratepayers.
- **Reliability Without Sacrifice:** Our **Powerflow™** platform ensures that while the grid sees a reduction in demand, our critical IT operations remain stable, proving that data centers can be partners in resilience, not just consumers of it.

# Partnering for a More Resilient Grid

Accelerating "Beneficial Load" interconnection to drive growth, suppress rates, and avoid infrastructure overbuild



## Key Needs from Utilities/Regulators

- **Establish "Flexible Large Load" Class** - Verifiable automated dispatchability and at a scale to matter on the grid (e.g., 25–100% load drop with 20 MW minimum corresponding with the large generation interconnection minimum)
- **Study/Value Flexibility based on NET Capacity draw** - Current study processes are inequitable because they fail to evaluate flexible loads based on their operational reality.
- **Prioritize Interconnection Based on Grid Benefits** - The "first-come, first-served" queue model is broken. It currently allows speculative, inflexible projects to clog the queue, blocking projects that are ready to support the grid.
- **Align with NERC Reliability Standards** - Flexibility cannot be a vague promise; it must be an enforceable reliability product.