



Liberty
Power
Innovations



Solving Power Limitations

Presented by August Seibel

Liberty Power Innovations, a Liberty Energy company

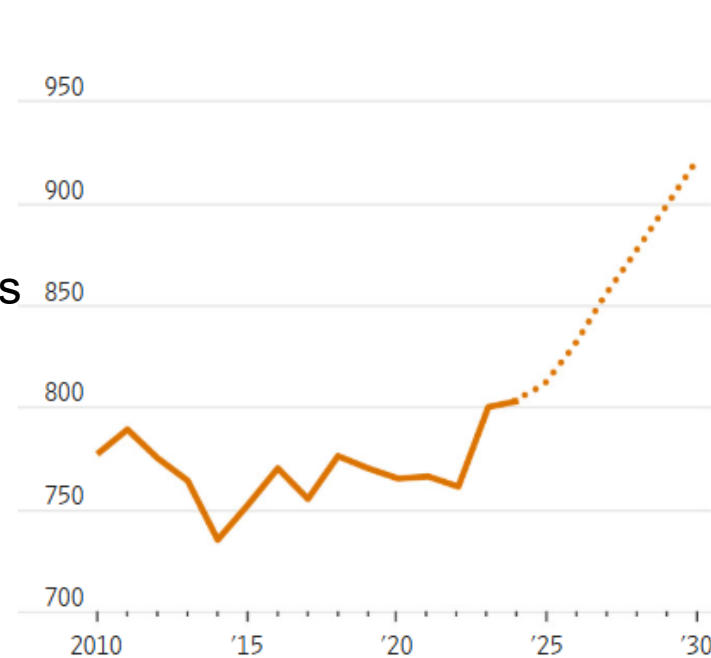
U.S. Power Demand Growth

- AI Search 10x Google Search
- Datacenter Power Share
 - 2020 – 2%
 - 2030 – 15%
- 1 Datacenter = 1,000 Walmart Stores
- AI Race Last Year New Build
 - China – 429 GW
 - US – 50 GW

Growth in U.S. Energy

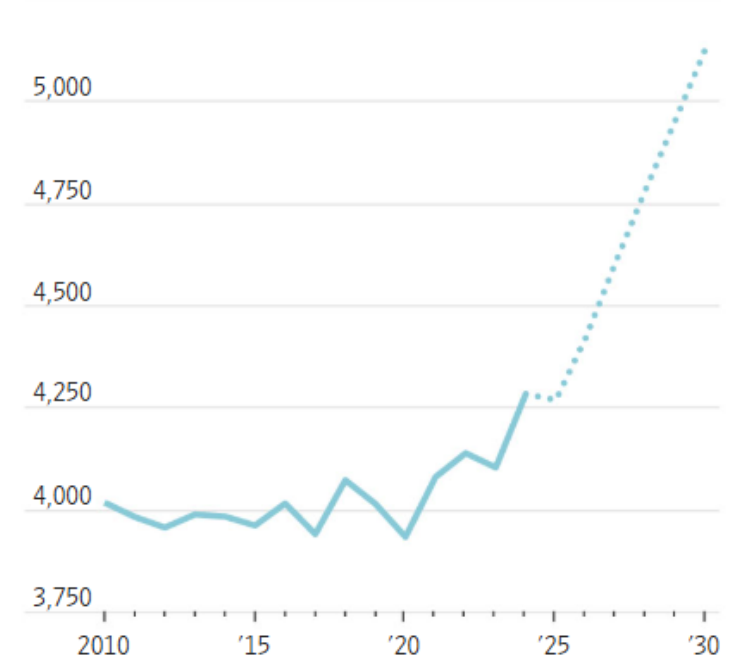
Peak demand

1,000 gigawatts



Energy produced

5,250 terawatt hours



Source: ICF analysis of NERC ES&D, ISO, RTO and Utility IRP data
Danny Dougherty/THE WALL STREET JOURNAL



Key Points and Possible Solutions?

Key Points

- Aging Infrastructure Needs Time to Catch Up to Surging Power Demand
- Current Power Interconnection Policy Doesn't Support a Quick or Cost-Efficient Solution
- Locations Like Pennsylvania Have Abundant Fuel for Power Generation

Solutions

1. Limit New Power Demand 
2. Attempt to Turbocharge Existing System 
3. Behind the Meter (BTM) or Bring Your Own (BYO) Generation as a Bridge to the Future 

Liberty's Vision for BTM or BYO Generation

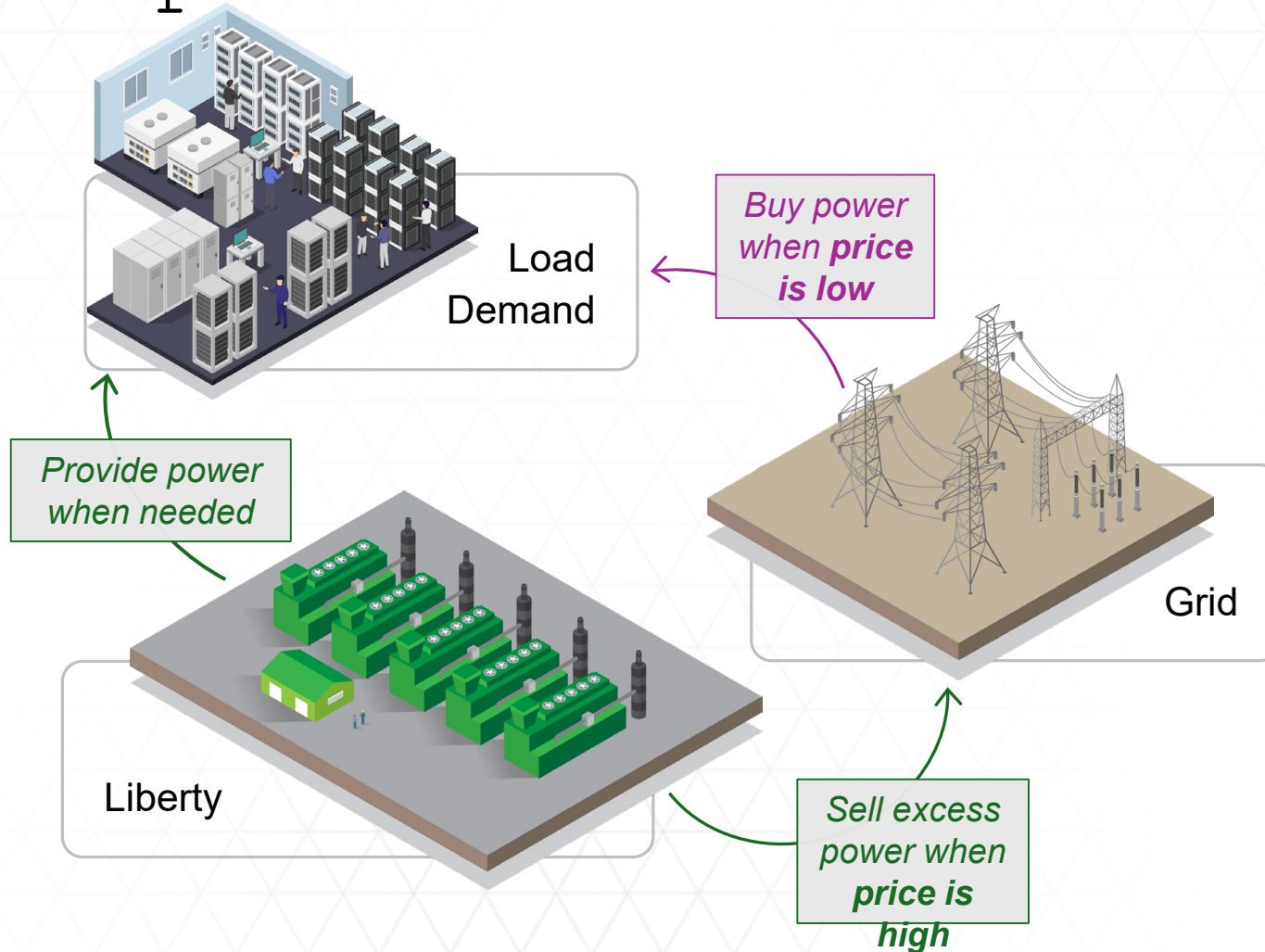
Fast, scalable, and reliable power solutions tailored for remote, high-demand operations

- **Scalable Design:** Modular systems optimized in 25MW building blocks, scalable to over 400MW with staged deployment that matches our customer's growth needs
- **Rapid Deployment:** First power in as little as 12–16 months with concurrent load development and construction
- **Reliable:** Existing technologies, such as gas-fired reciprocating engines, produce a high reliability energy solution



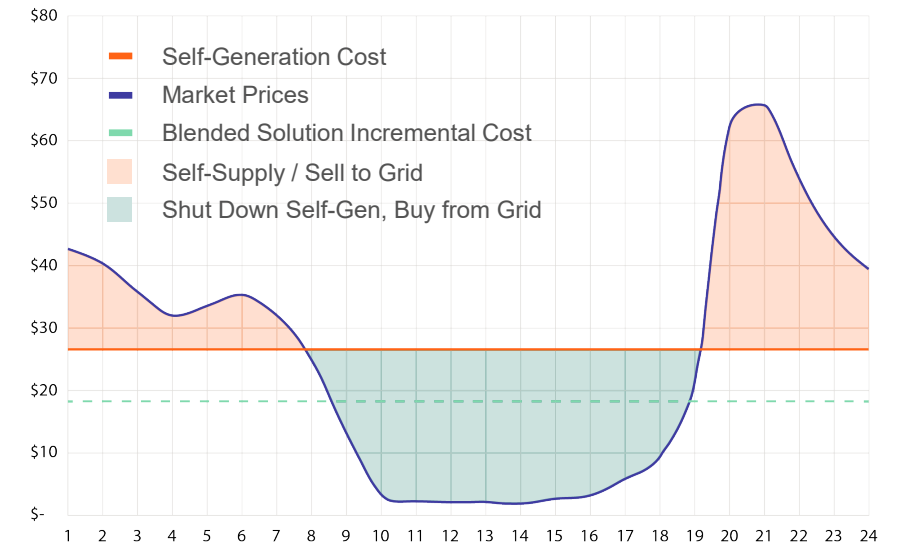
Post Grid-Interconnection Power Optimization

Liberty generation blends with the grid to supply seamless power for greatest reliability and economic outcome



Balancing Generation & Grid Purchasing

Ensure price surety by generating power when market prices exceed self-generation costs



Existing PA Project – PIT Airport Microgrid

- **Fixed Location Generation Microgrid**

- Self-contained, grid-interdependent or interconnected power system that delivers reliable, flexible energy
- Designed for speed, resilience, and made to scale
- Multiple generators and power blocks combined in parallel, optimizing power delivery to specific customer load & redundancy needs.

- **Full-Service Solution**

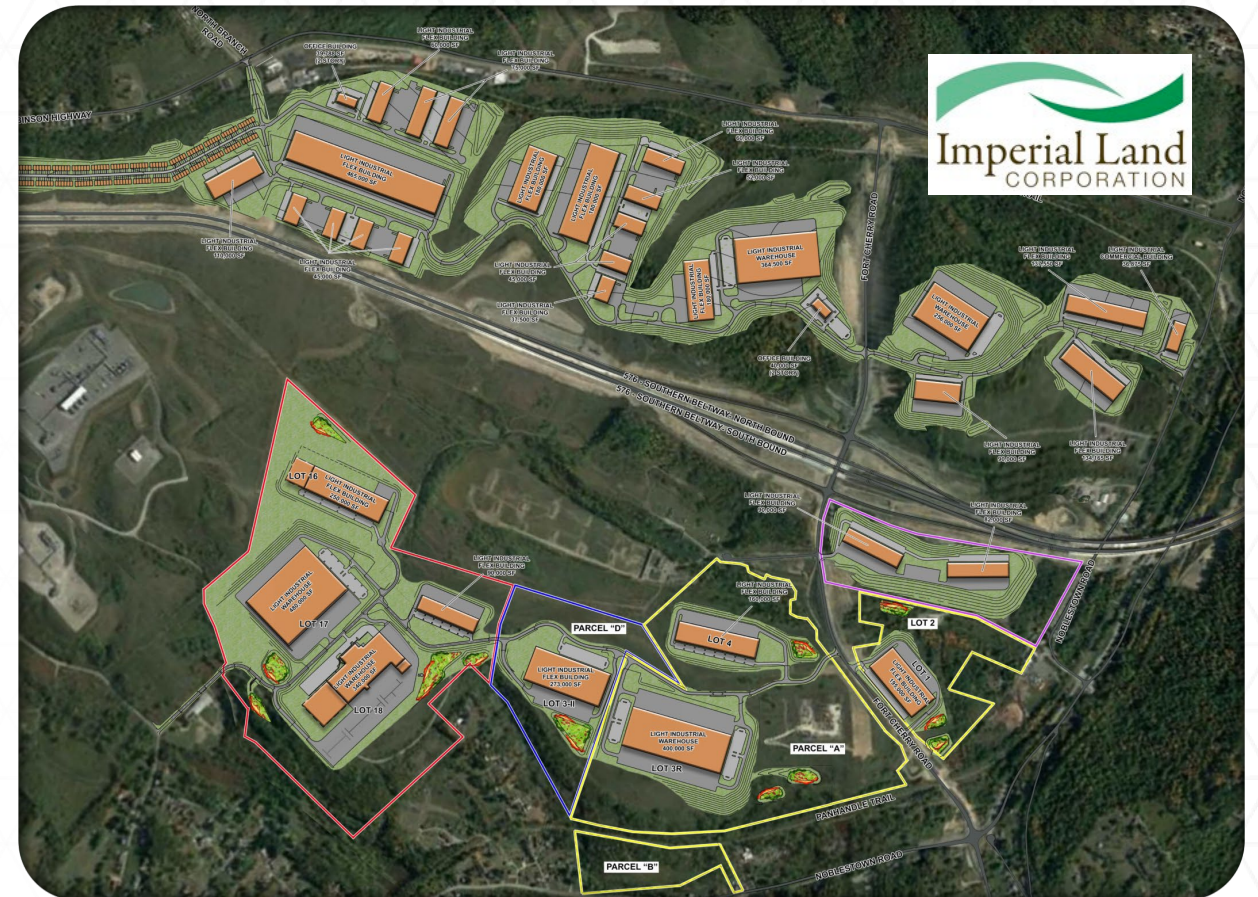
- Design & Engineering
- Construction
- Operations
- Asset management

*The Pittsburgh International Airport microgrid saves over **\$1 million annually** in utility costs*



Fort Cherry Powered Land Opportunity

- Liberty and Range Resources supporting development of a state-of-the-art power generation facility within the Fort Cherry Development District in Washington County, Pennsylvania
- Leverage access to Marcellus natural gas – advantaged emissions profile versus other basins in the U.S.
- Multiple phases can support 450+ MW and a future utility interconnection with First Energy is being explored to supplement the on-site power



Phase 1 Phase 1B Phase 2 Phase 3



Summary and Questions

We talked about:

1. Behind the Meter (BTM) or Bring Your Own (BYO) Generation
2. Fast, Scalable, and Reliable Solutions with No Added Costs for Consumers
3. Two Pennsylvania Power Projects, 1 Existing and 1 in Development

Questions?

