

# IPT WELL SOLUTIONS SUPPORTS HYPERSCALE AI DATA CENTERS AS DEMAND FOR PERMANENT BACKUP ENERGY GROWS

GOLDEN, CO, UNITED STATES, October 30, 2025 /EINPresswire.com/ -- [IPT Well Solutions](#), a subsurface engineering and UIC permitting firm with more than 30 years of experience in underground storage and injection infrastructure, is now supporting [hyperscale AI data centers](#) as developers seek long-duration, geologically secured backup fuel systems to replace diesel-based contingency strategies.



The rapid growth of AI computing has pushed data center energy demand to a scale where temporary fuel storage is no longer sufficient for reliability, permitting strategy, or investor-level environmental compliance. Developers are now treating backup fuel infrastructure as a permanent storage asset, not a short-term emergency measure, which places subsurface storage back at the center of energy resilience planning.

“We’ve engineered underground storage systems for decades,” said David Mannon, CEO at IPT Well Solutions. “What’s changing is not the technology, it’s the market. Hyperscale AI facilities now require the same level of engineered permanence that traditional subsurface infrastructure has delivered in other sectors for years.”

IPT’s subsurface storage expertise spans:

- Geological feasibility and siting
- System design for long-duration energy storage
- Class II style permitting frameworks
- UIC regulatory strategy and filings
- Monitoring and integrity management

By moving backup fuel underground, developers gain:

- A stable long-duration backup supply for outage and curtailment scenarios

- Lower emissions exposure compared to diesel logistics
- A defensible environmental position for regulators and investors
- Infrastructure that scales as compute density increases

While AI clusters are driving the most immediate demand, these requirements apply across hyperscale cloud, enterprise compute, colocation, and content facilities, all of which are converging toward storage permanence as the new reliability standard.

#### About IPT Well Solutions

IPT is a subsurface energy storage engineering firm delivering geologically-secured backup fuel systems for hyperscale AI data centers. With three decades of experience in well design, UIC permitting, and subsurface infrastructure, IPT supports developers from feasibility through execution and long-term monitoring.

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