

ORIGINAL DESIGN:
REVISED WITH PLANTED:
NET GAIN:

90 MWAC, 112 MWDC
160 MWAC, 230 MWDC
50%+ MORE POWER

LOCATION: PACIFIC NORTHWEST, USA
LAND: 350 ACRES



More Power, Same Footprint: Unlocking Bring-Your-Own-Power at Hyperscale



Challenge: New policies, same footprint, higher stakes

In Washington state, a developer was preparing a colocated solar + storage plant to serve a hyperscaler's new data center campus. A new county-level Bring Your Own Power (BYOP) policy meant that power-intensive tenants were now required to generate and manage a significant share of their own energy load on-site.

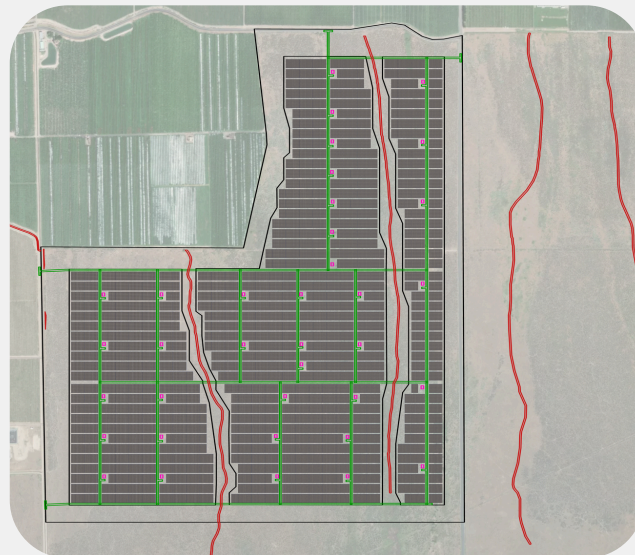
The original tracker-based layout couldn't deliver. With just 90 MWac across 350 acres, the site fell short of both the hyperscaler's demand and the new BYOP requirements. To stay on schedule and meet escalating load requirements, the developer turned to Planted Solar to rethink what the site could deliver—without restarting permitting or slowing the build.

Familiar risks:	Execution pressure	On-site generation mandates	Non-negotiable power targets	Limited expansion options
	Power delivery must align with hyperscaler buildouts and commissioning timelines.	New local policy required hyperscalers to supply a large share of their own energy and minimize impacts on the grid.	Data center loads are massive and growing. Shortfalls are not an option.	Permitting and community limits ruled out adjacent land acquisition.

Solution: High-density design for a high-demand site

Planted redesigned the site using our integrated platform—software-driven planning, terrain-following arrays, and rapid installation—to boost output and keep pace with data center commissioning timelines.

- **Compact, high-density racking** enabled 2.5x more DC capacity per acre, unlocking the full potential of the site
- **Increased site utilization** through tighter block spacing and reduced wasted land between arrays
- **Lower-profile arrays** (under 4 ft) minimized visual impact and eased community concerns
- **Rapid installation** paired with a streamlined design allowed construction to stay aligned with hyperscaler delivery timelines



This layout is a proposed design, but it reflects the pressures, constraints, and solutions we're seeing on real BYOP projects today.

Result: More energy, faster delivery, no added land

With a smarter site design, the developer was able to meet the customer's evolving energy requirements while staying within existing boundaries and on schedule.

- **50%+ increase in energy production** with no added land
- **MW targets met and exceeded**, ensuring compliance with BYOP mandates
- **Faster, lower-risk execution** driven by automated installation and simpler site prep
- **Lower CapEx per MW** with higher labor productivity, less steel, and no grading to deliver more power at a lower price

As BYOP requirements and colocated energy demands grow, developers and hyperscalers alike need deployment systems that can meet dense loads, tight parcels, and zero-fail delivery timelines.

Meet the moment without missing your target

We help developers and hyperscalers move fast, build smart, and deliver on schedule—without needing more land.

Let's Talk