

PROJECT JUPITER

Water Usage:

Efficiency and Sustainability for Doña Ana's Future

Water is a critical resource. That's why Project Jupiter is designed to protect this precious resource by using significantly less water than traditional data centers and investing directly in the long-term water security of Doña Ana County.

Minimizing Water Usage through Smarter Cooling

- ✓ This project uses a **"closed loop"** cooling system which requires **only a one-time fill up** and then is continuously recirculated, which keeps water usage to a minimum.
- ✓ The campus water use will be like that of an office building with **~750 employees**, since ongoing water use is limited to the domestic needs of employees (i.e., bathrooms, sinks, etc.).
- ✓ Unlike **Project Jupiter's high-efficiency cooling technology**, many data centers in other regions where water is more readily available use a more traditional "evaporative cooling" approach, which consumes large volumes of water on an ongoing basis. These systems work much like how sweat cools your body—water absorbs heat, then evaporates.



**CLOSED-LOOP
COOLING, MINIMAL
WATER USE**



**USES WATER
LIKE AN OFFICE
BUILDING**

Proven in Practice

This approach isn't new. STACK Infrastructure currently has 15 data center facilities in operation or under construction across the US that utilize similar closed loop cooling systems, several of which have been successfully running for years. A strong example is STACK's Hillsboro, Oregon facility, which went live in 2022. By using a closed loop system, Project Jupiter keeps demand on the local water system to a minimum.

Investing in the Community

- ✓ Project Jupiter will **fund all offsite extensions and onsite infrastructure** to support the project.
- ✓ Recognizing the critical importance of safe and reliable drinking water, the Project will **invest tens of millions of additional dollars in county drinking water and wastewater infrastructure improvements** to ensure long-term water security and sustainability for the region.
- ✓ With minimal ongoing water needs and direct investment in local infrastructure, Project Jupiter is built to be a **responsible neighbor and a long-term partner in protecting shared resources**.

Project Jupiter isn't just building digital infrastructure – **it's helping secure Doña Ana's water future.**