

Water

Water is a shared resource that we work to protect. We intentionally design our infrastructure to minimize water use during operations.

CONSERVING WATER

Rather than relying on cooling systems that can consume millions of gallons a day, we engineer our data centers to draw far less — so we're not straining the resources that the community depends on. We deploy:

- Closed-loop cooling systems that do not consume or evaporate water to cool the equipment
- High-efficiency fixtures that minimize everyday building water use
- Native landscaping that minimizes the need for irrigation
- Continuous leak detection that ensures what little water we do use isn't being lost

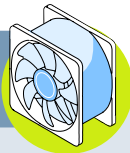
“As AI infrastructure scales to gigawatts, designing water out of cooling systems is a prerequisite for responsible, durable growth. A facility that does not depend on continuous water supply can operate reliably without competing with communities for a shared and increasingly scarce resource.”

Hui Wen Chan,
Senior Director Sustainability,
Crusoe

WATER-EFFICIENT FACILITIES

By designing for efficiency, annual water use at a 200MW Crusoe data center is limited to approximately 2 million gallons, equivalent to the annual water use of <20 U.S. households:

Maintenance of Cooling Systems



~54,000
gallons



- Closed-loop, non-evaporative system
- 1.7 million gallons: One-time system fill at startup
- Zero water for cooling during normal operations after initial fill — water is recirculated

Employee Indoor Water Use



~460,000
gallons



- Employee kitchens, restrooms, and break areas
- Water-efficient fixtures throughout

Maintenance & Custodial Uses



~1.4 million
gallons



- Equipment cleaning and facility upkeep

HOW CLOSED-LOOP COOLING WORKS

- The system is filled with water at startup.
- Water is recirculated continuously through a sealed network of pipes and cold plates – absorbing heat directly from GPU chips and other components.
- The heated liquid is cooled by air and recirculated back through the system, over and over again.

15-Year Lifespan

With proper maintenance, the same water is recirculated continuously.

- Unlike traditional cooling towers that continuously evaporate water, no additional water is needed for cooling during normal operations.

Initial Fill at Startup



1.7M
gallons

<16 U.S. households' annual water use

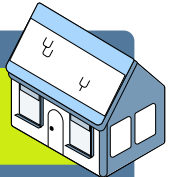
Water for Cooling



0
gallons

no evaporation or consumption to produce cooling effect

Maintenance & Water Treatment



~54,000
gallons, annually

<1 U.S. household's annual water use

Closed cooling loop

Water recirculated for up to 15 years (with proper maintenance)

Air-cooled chiller

Valved piping system

Valved sections limit water consumption to

<5,000
gallons during repairs

Liquid-cooled server

