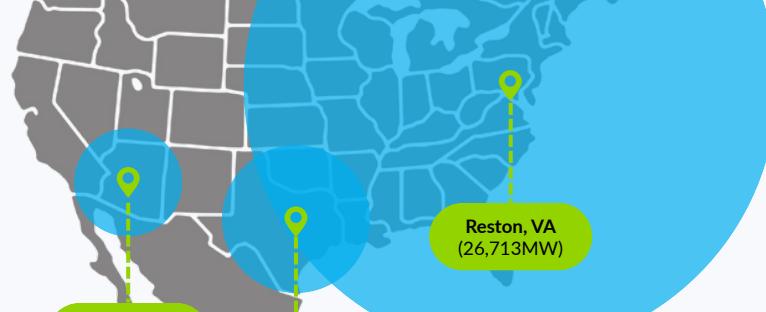


HOW MUCH CAN TWO-PHASE D2C SAVE YOU?

Research has proven that two-phase direct-to-chip cooling (2P D2C) delivers significant energy savings vs. other popular cooling methods. What would it look like if data centers in these major U.S. cities made the switch from single-phase D2C (1P D2C) to 2P D2C?

There's 88,533MW of data centers planned or under construction across North America (N.A.).*



Without widespread adoption of efficient cooling infrastructure, accelerated growth in data centers could cause major strain on local power grids, leading to community pushback and limiting future construction.

*Source: Cushman & Wakefield

Two-phase D2C provides greater energy savings vs. other popular cooling methods.

According to analysis by Jacobs Engineering, two-phase D2C offers up to 35% in energy savings vs. single-phase D2C. That translates to massive efficiency gains throughout the continent.

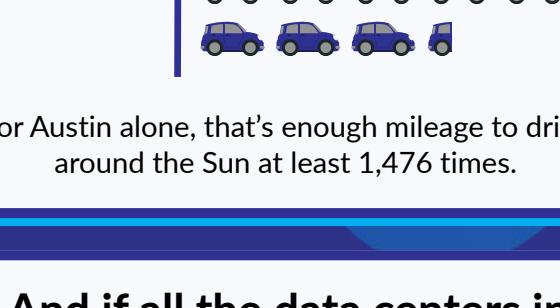
2P D2C Energy Savings (vs. 1P D2C)

Austin, TX	970,254,851 kWh
Phoenix, AZ	1,218,166,426 kWh
Reston, VA	2,043,277,370 kWh
North America	12,421,670,456 kWh

That level of energy savings is equivalent to these real-world scenarios:

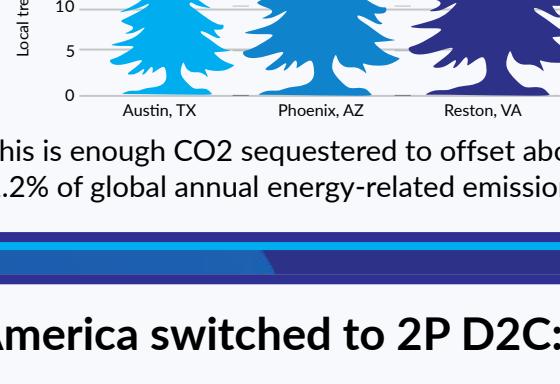
Equivalent Miles Driven In An EV

1 🚗 = 1 billion miles



For Austin alone, that's enough mileage to drive around the Sun at least 1,476 times.

Equivalent CO2 Sequestered By Local Tree Populations

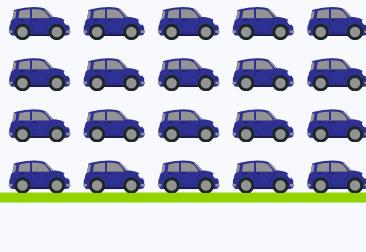


This is enough CO2 sequestered to offset about 2.2% of global annual energy-related emissions.

And if all the data centers in North America switched to 2P D2C:

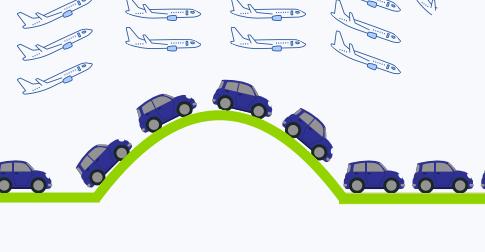
We'd save 51.8B EV miles—enough to drive between Pluto and the Sun ten times.

1 🚗 = 1 billion miles



We'd offset emissions caused by 2.28M round-trip flights between New York and London.

1 ✈️ = 50,000 flights



We'd save enough energy to power the city of Nashville.

