

Ask Us Anything.

We've received many questions regarding power, water, noise, and other facts related to our project. Here are our answers.

Water

John J. : How much water will this facility consume?

Answer : We project we will use less than 1 million gallons of water a year. For context, the Regions Facility that was previously located at the site used over 3 million gallons a year.

Chris L. : What is factual information about your water usage?

Answer : We use a closed-loop cooling system, which means that water goes into our system and recirculates continuously to keep the computer chips cool. Because of this, our water usage is similar to a large commercial office building. We predict our water usage will be less than 1 million gallons per year.

Brent F. : Will you dig a well for back up water?

Answer : No, we're not drilling wells for water and are connected to Central Alabama's water system. We will utilize a closed-loop cooling system, which significantly limits water consumption. Our water usage will primarily be for restrooms and break rooms, similar to that of a typical commercial office building.

Cele M. : Can anyone guarantee us the water used won't add to our drought problems?

Answer : We are using a closed-loop cooling system that recycles water continuously. Our main water usage will be for restrooms and staff facilities like break rooms. We publish these numbers in our annual report every year.

Hank B. : How do you cool without using cooling towers?

Answer : Our cooling system recirculates the same water in a sealed loop and rejects heat to the air mechanically. It isn't an evaporative system, so it doesn't consume large, ongoing volumes of water the way traditional data center cooling towers do.

Power

Cele M. : Will it make my power bill go up?

Answer : Nebius is responsible for the full cost of power and power infrastructure for our facility. State law prohibits large-load customers like us from passing those costs on to existing ratepayers.

Marsha C. : How will building a data center near my community affect my utility bills, property value and zoning near residential areas to prevent imminent domain?

Answer : For neighborhood impact, we are paying the full cost of power, and we don't believe that anyone should bear that burden except our company. State law also prohibits us from passing on that cost to existing ratepayers. We've designed this facility to ensure that we are not disrupting the community. There's a study from George Mason University that shows data centers don't affect property values. Additionally, all zoning decisions are up to the city.

Brent F. : How many back up generators will you have on site and how often will they be tested?

Answer : We will have four backup generators on site, and they will be in an acoustical enclosure. They will run 1.5 hours a month for maintenance, around 20 hours a year. For context, the Regions facility that was previously at our site, had two backup generators.

Missy N. : What will you do to ensure our power bills won't sky rocket?

Answer : We are paying for the full cost of infrastructure for power, and state law prohibits us passing on costs to existing ratepayers.

Noise

John J. : What steps are being taken to mitigate the sound emitted from the building? What are the average noise levels in decibels?

Answer : We have multiple sound abatement measures in our design including: sound walls ranging in height from 8ft to 22ft, low noise fans, and acoustic canopies over our dry coolers.

David H. : Are you going to install acoustic walls or barriers to block high and low frequency noise?

Answer : We will be installing acoustic walls of varying height from 8ft to 22ft. We also use equipment that has low noise fans and will install an acoustic canopy above our dry chillers.

Chris L. : Can you give us factual information about the concerns on noise?

Answer : We commissioned a professional sound study by AEI engineering. It shows that our operations will not be above the ambient sound levels already present on Lakeshore Parkway.

Jobs

Charles F. : Approximately how many humans will your company employ once it is on line and productive?

Answer : We will employ at least 78 jobs for the facility, including positions in IT, electrical, mechanical and security.

Darnita L. : Will residents in Birmingham be the first ones hired?

Answer : We will prioritize Birmingham area residents for hiring opportunities. Our community benefits plan is focused on education which includes workforce development, and we hosted a construction job fair on October 21. We are actively working with partners to ensure that there is training available for the jobs we need.

Incentives

Chris L. : What incentives/advantages are being provided to the counties and local communities?

Answer : Nebius is paying an average of \$85.7 million dollars in taxes per year. These tax dollars are distributed amongst the City of Birmingham, Jefferson County, and the State of Alabama.

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