

Data Centers Fast Facts

What is a Data Center?

Data centers are large, climate controlled, facilities for managing, processing, and storing data. Data centers host servers, databases, cloud services, websites, applications, etc. They are used for everything from online shopping to off-site data backups to high performance computing. Data centers have established industry standards for design and construction.

Energy Intensity

Data Centers are energy intensive.

For reference the [US Department of Energy estimates that about 1MW of power can serve 1000 households.](#)

[1 Plant Vogle Reactor](#) (1.2 MW) can serve 1.2 million households OR about 6 Data Centers.

Surging electricity needs

At least eight data center campuses in development or undergoing expansion in North Georgia will have larger power capacities than metro Atlanta's entire data center market in 2019. According to CBRE, metro Atlanta's data center industry combined for 142.6 megawatts in 2019.

Project Name	Location	Developer	MWs
T5 ATL IV	Coweta County	T5	154
DC Blox (Douglas)	Douglas County	DC Blox	180
T5 ATL III	Douglas County	T5	217
Project Excalibur	Fayette County	QTS	250
Edged Atlanta	Fulton County	Edged Energy	180
QTS Atlanta	Fulton County	QTS	278
T5 at Augusta	Richmond County	T5	200
DC Blox (Rockdale)	Rockdale County	DC Blox	216

*This is not a comprehensive list. Some planned data center campuses have not disclosed their anticipated power capacity needs.

Table: Zachary Hansen

The Atlanta Journal-Constitution

Figure 1. From <https://www.ajc.com/news/atlanta-news/large-data-center-planned-near-conyers-east-of-atlanta/WNCHKV23WZBNFIYAGIFOYZE6LY/>

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