

AVAIO DATA CENTER

UNDERSTANDING THE IMPACTS

AIR | SOUND | WATER | ELECTRIC | ZONING | TRANSPARENCY

The City of Brandon is committed to transparency and responsible growth. Here's how the AVAIO Data Center is designed with our community in mind.



AIR



[MDEQ Air Link](#)

Q Do Data Centers affect our air quality?

A No. The AVAIO Data Center will draw its power from the grid and is designed with high-efficiency electrical systems.

CLEAN TECHNOLOGY

POWERED BY THE GRID WITH ENERGY-EFFICIENT INFRASTRUCTURE IN CONCERT WITH ENTERGY MS. TIER IV BACKUP GENERATION THAT WILL RUN LESS THAN 50 HOURS A YEAR OUTSIDE OF BLACKOUTS.

AIR QUALITY PROTECTION

MEETS OR EXCEEDS ALL LOCAL, STATE & FEDERAL AIR QUALITY STANDARDS



WATER



[MDEQ Water Link](#)

Q Will the Data Center use a lot of water and will this affect our rates?

A AVAIO's design does not consume water for cooling. It uses an extremely efficient closed-loop design which continually reuses the same cooling water rather than discharging it. Each building will use about 4,000 gallons per day for the bathrooms and irrigation, the equivalent of 14 homes.

EFFICIENT COOLING

ADVANCED SYSTEMS DRAMATICALLY REDUCE WATER USAGE.

RESPONSIBLE USE

DESIGNED TO MEET LOCAL WATER USE REQUIREMENTS

SUSTAINABLE BY DESIGN

PROTECTING OUR WATER RESOURCES FOR THE FUTURE. PHASE 1 (2 BUILDINGS) WILL USE MUNICIPAL WATER SUPPLY. FUTURE PHASES WILL USE RECYCLED WATER FROM THE WASTE WATER TREATMENT PLANT.



SOUND



[Municode Link 34-III-34-53](#)

Q Are Data Centers Loud?

A No. AVAIO's facility is engineered with advanced cooling systems and acoustical enclosures and will be sited with substantial setbacks from neighbors and large vegetative buffers to minimize noise. It will comply with all local noise ordinances and be virtually undetectable beyond the property line.

LOW NOISE DESIGN

ADVANCED COOLING & ACOUSTICAL TECHNOLOGY MINIMIZES SOUND

SOUND BARRIERS

STRATEGIC WALLS AND LANDSCAPING ADD EXTRA PROTECTION AS STATED IN CHAPTER 100 - APPENDIX A - ARTICLE 5.6

MEETS STANDARDS

WILL BE COMPLIANT WITH ALL LOCAL SOUND ORDINANCES AND REGULATIONS, CHAPTER 34, ARTICLE III - SECTION 34-53

TESTING

RECENT VISIT TO EXISTING DATA CENTER REVEALED NO SOUND ISSUES.



ELECTRIC USAGE

Entergy MS's
Data Center Role
Scan here ---->



Q

How will the Data Center impact electric usage?

A

The AVAIO Data Center is designed to be highly energy-efficient and will draw power from the electric grid. AVAIO is paying for the cost of all the infrastructure to connect to the grid through the large load rate for electricity. Additionally AVAIO will curtail its use of electricity during times of grid stress to support the grid.

ENERGY EFFICIENT

BUILT WITH THE LATEST TECHNOLOGY TO MAXIMIZE EFFICIENCY

GRID PARTNERSHIP

COORDINATING WITH ENTERGY MS TO ENSURE RELIABLE POWER SUPPLY



ZONING

Q

Has zoning changed where the data center will be located?

A

No. The AVAIO Data Center is developed in an area zoned for industrial use, following all local zoning map ordinances and land use plans, since November 2015 OCR designation.

APPROVED ZONING

LOCATED IN A DISTRICT DESIGNATED FOR DATA CENTER/INDUSTRIAL USE

COMPREHENSIVE REVIEW

REVIEWED AND APPROVED BY CITY ZONING & BRANDON PLANNING COMMISSION

COMPATIBLE USE

ALIGNED WITH LONG-TERM LAND USE AND GROWTH PLANS



TRANSPARENCY

Q

Has the City of Brandon been transparent in data center discussions?

A

The City of Brandon is committed to open communication, public engagement, and ongoing oversight to ensure the project benefits our community.

Task Force
Meeting
Information
Scan here ---->



OPEN COMMUNICATION

ANY INFORMATION PROVIDED TO THE BOARD HAS ALSO BEEN MADE AVAILABLE TO THE PUBLIC.

IF YOU ARE NOT ALREADY FAMILIAR, SENATE BILL 2426, 2025 REGULAR SESSION, CREATED THE MISSISSIPPI AIR TASK FORCE TO UNDERTAKE A COMPREHENSIVE ANALYSIS OF ALL MATTERS RELATED TO THE REGULATION OF ARTIFICIAL INTELLIGENCE (AI) IN THE STATE. THE TASK FORCE IS TO LAST THREE YEARS FROM THE DATE OF PASSAGE IN 2025 TO DECEMBER 31, 2027. EACH YEAR THE INFORMATION FROM ALL OF THE MEETINGS IS CONSIDERED AND COMPILED INTO AN ANNUAL REPORT TO THE MISSISSIPPI LEGISLATURE FOR ITS CONSIDERATION. THE INITIAL AIR TASK FORCE REPORT CAN BE FOUND HERE: [HTTPS://WWW.PEER.MS.GOV/SITES/DEFAULT/FILES/2026-01/AIRTF_FINAL_011326.PDF](https://www.peer.ms.gov/sites/default/files/2026-01/AIRTF_FINAL_011326.PDF)

PUBLIC ENGAGEMENT

OPPORTUNITY HAS BEEN PROVIDED TO BRANDON RESIDENTS TO OFFER FEEDBACK TO THE CITY AT ALL PUBLIC MEETINGS

ONGOING OVERSIGHT

CONTINUOUS MONITORING TO ENSURE COMPLIANCE AND TRUST