Utility Needs and Arrangements for Project Arowhead

Utilities and services for the proposed site include the following: water/wastewater disposal; transportation – public and private roadways; solid waste disposal, energy supply (electricity); natural gas supply; stormwater runoff.

- **Water supply** needs are expected to be .05 MGD (Million Gallons per Day) and the water is proposed to be pumped from the Floridian Aquifer from an on-site well.
- **Wastewater disposal** is estimated to be approximately .03 MGD (Million Gallons per Day) and will be treated on-site in a wastewater treatment plant.
- **Land transportation** generated by the site is expected to be approximately 1,500 VPD (Vehicles Per Day). It is thought that a decelearation lane may be needed off of Pinetta Church Road for right turn movement into the property onto a 30 foot wide driveway located on the site. No traffic study has been completed at this time.
- **Solid waste dispostal** needed for the development is estimated to be 2,500 tons annually. Local disposal is not feasible for this amount, so a private waste disposal company will be employed to handle the waste. Hazardous waste is not expected to be generated by the site.
- **Peak energy supply needs** for the site in the form of electricity is estimated to be 1250 MW (1.25 GW). 1250 MW is equivalent to 1,250,000,000 watts (one billion two hundred fifty million individual watts of electricity). Current electrical service to the site is not sufficient to provivde for this need, but Georgia Power, the power provider, is conducting an energy study for the project.
    - What is known is that there are two Georgia Power electric power transmission lines near the project site with one of them actually traversing the site. The larger one is a 500kV line with a 150 foot wide clearance and the other is a 230kV transmission line with a 100 foot wide clearance. The proposed site plan indicates that the 230kV transmission line actually crosses the project site at its far northeast corner and is accessible for connection to the site by additional transmission lines that will be constructed across the site to the actual facility. According to an AI Overview, a 230kV transmission line can handle between 300 MW to 600 MW of power per circuit. Hyperlink below: how much electricity does a 230kV transmission line carry - Google Search
- **Daily energy supply needs** are estimated to be 30,000 MW (30 GW). 30,000 MW is equal to 30 billion watts of electricity.
- **Back up generators** are not specifically listed as proposed for the site, but it is customary for data centers to utilize this type of equipment in case of power outtages. If used on this site, the developer states that backup diesel generators would only be