

TYNDALL AFB, FL UTILITY SYSTEM DESCRIPTIONS

System Descriptions: The following information is only an estimate of the size, scope, and general description of the electrical, natural gas, potable water, and sanitary wastewater utility systems at Tyndall AFB and is subject to change. Tyndall AFB occupies approximately 29,109 acres of real estate in Bay County near Panama City in Northwest Florida. There are 655 facilities totaling more than 3,680,000 square feet and 560 military family housing facilities with 1,400,000 square feet. Tyndall AFB does not generate its own electricity or natural gas and does not have water or wastewater treatment plants.

Electrical: The electrical transmission system consists of primary distribution of 205 miles of line with 88% overhead; secondary distribution of 125 miles with 67% overhead. Power is supplied at 12.47kV. Base demand is 20MW.

Natural Gas: The natural gas distribution system consists of approximately 14 miles of gas mains. Piping is mostly steel and ranges in size from $\frac{3}{4}$ to six inches. Annual usage is 150,000 mcf.

Potable Water: Water is delivered to Tyndall AFB from Bay County Utilities at about 70 psig through one master meter. Pressures on base range from 50 to 80 psig. There are three on-base elevated storage tanks. There are six remote on-base water wells. The water distribution system consists of approximately 355,800 linear feet of cast iron and PVC piping.

Sanitary Wastewater: The sanitary wastewater collection system consists of approximately 391,000 linear feet of primarily VC and PVC sewer mains ranging in size from 4 to 12 inches. There are 50 lift stations. There is a package treatment plant with a capacity of 50,000 gpd. The base is connected to the Bay County Advanced Wastewater Treatment Plant. Flow to this plant is approximately 1,27 mgd.

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