



Project Profile

Bayne Jones Army Hospital
Ft Polk, LA
984 Tons HVAC Cooling
478 Sq Ft per Ton

2017 Results:

- Energy savings **\$9,292**
- kW consumption reduced **103,241 kW**
- kWh Demand reduced **150 kW**
- Water & Sewer savings **\$7,601**
- Water & Sewer consumption reduced **1,104,835 gallons**
- Total Water, Sewer and Electric savings **\$16,893**
- Eliminated condenser water chemicals **861 gallons**
- Carbon footprint reduced **71 metric tons**
- Excellent corrosion rates are verified by corrosion coupon analysis by a third party.
- Chiller efficiency increased from **85% to 95+%**
- Annual inspections of chillers reveal clean tubes and do not need brushing.
- Long term savings in extended life of equipment is increased due to absence of harsh chemicals previously used.



Siemens Building Technologies (SBT) implemented an Energy Savings Performance Contract for the Bayne Jones Army Hospital located on the Ft Polk Army Base in October of 2012. As a part of this energy conservation measure, SBT selected Flozone Services (a technology based non-chemical water treatment company) over previously well maintained traditional chemical treatment systems. Flozone Services installed the Integrated Management System (IMS) for condenser water treatment which provided substantial HVAC water and energy savings annually over former chemically treated systems.

As part of our comprehensive service, the IMS can monitor the chillers and cooling towers to maximize the efficiency of the HVAC system. Utilizing our remote monitoring and in-field technicians, we can provide a better response time for the HVAC system with better service and tighter controls. This unique approach to service the equipment insures the system will maximize utility savings while providing sustained environmental benefits.

Total Facility Savings with Flozone Services Since June 2013

Maintenance & Extended Mech Life Savings	\$ 41,287
Water & Sewer Expense Savings	\$ 39,040
Energy Expense Savings	\$ 53,243
Total Expense Reduction	\$133,570

Water & Sewer Reduced	5,674,412	gal
kWH Reduced	600,752	kW
kWH Demand Reduced	889	kW
Condenser Chemicals Reduced	4,823	gal
Carbon Footprint Reduced	229	metric tons

