



## Project Profile

**BNA Corporate Center**  
**Nashville, TN**  
**800 Tons HVAC Cooling**  
**290 Sq Ft per Ton**

### 2017 Results:

- Energy savings **\$8,504**
- kWh consumption reduced **87,537 kWh**
- kW Demand reduced **250 kW**
- Water & Sewer savings **\$24,258**
- Water & Sewer consumption reduced **1,180,959 gallons**
- Total Water, Sewer, and Electric savings **\$32,762**
- Eliminated condenser water chemicals: **398 gallons**
- Carbon Footprint reduced **60 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.

Commonwealth Commercial, a premier office building management/developer company, has been a leader in environmental consciousness in the management of their facilities. Flozone Services (a technology based non-chemical water treatment company) continues to provide a well-maintained water treatment program versus a traditional chemical treatment system. Flozone Services provides substantial HVAC water and energy savings annually over former chemically treated systems.

In 2008 Flozone Services, Inc. introduced E3 Sentinel, in conjunction with our Integrated Management System (IMS), the E3 Sentinel offers our customers enhanced 24/7 monitoring of their HVAC system. As part of our comprehensive service, the IMS can monitor your chillers and cooling towers to maximize the efficiency of your HVAC system. Utilizing our remote monitoring and in-field technicians, we can provide your company's HVAC system with better service and tighter controls. Over the years, we have invested time and money in our infrastructure and process to be the leader in the business. It is the commitment of our entire organization to continue to provide our customers with services that exceed their expectations.

We are pleased to report Commonwealth Commercial water and sewer, energy, and chemical reduction savings.

### Total Facility Savings with Flozone Services Since 2002

Water & Sewer Reduced	<b>13,213,926</b>	gal
kWH Reduced	<b>2,045,071</b>	kWH
kW Demand Reduced	<b>4,956</b>	kW
Condenser Chemicals Reduced	<b>8,870</b>	gal
Maintenance & Extended Mech Life Savings	<b>\$154,871</b>	
Water & Sewer Expense Savings	<b>\$304,534</b>	
Energy Expense Savings	<b>\$163,516</b>	
<b>Total</b>	<b>\$622,921</b>	

