



LOCATION

Franklin City Public Schools
Franklin, VA

OWNER

City of Franklin

SPECIFIER

ABM Building Services

PROJECT SPACE

Franklin High School (69,163 ft²)
J.P. King Middle School (65,381 ft²)
S.P. Morton Elementary School (64,691 ft²)
for a total of 199,235 ft²

CONTROL STRATEGIES

- Dynamic Scheduling
- Task Tuning
- Context Defined Setbacks

SYSTEM FEATURES

- Per zone HVAC control
- Per zone outdoor lighting control
- Baseline and event schedules
- Energy monitoring and reporting
- Secure, remote access
- Configurable email alerts
- No annual fees

COMPLETION DATE

Phase 1: October 2014
Phase 2: August 2015

“We absolutely met the energy guarantee.”

**Richard Kinkead,
ABM Operations Manager**

The Challenge

Franklin City Public Schools (FCPS) include an elementary, middle, and high school. Between these three campuses, there are 134 PTAC units, most of which are housed in classrooms where the teachers have full control over set points and on/off status. With no outside control mechanisms in place for that many PTAC units, FCPS had a major challenge controlling costs. They needed to find an



affordable way to remotely monitor and control each of the PTAC units across three campuses.

The Solution

To optimize savings with this project, FCPS partnered with ABM for their energy savings expertise. After an initial energy assessment, ABM and FCPS signed an energy guarantee performance contract. Looking to install the best value in control systems, ABM chose Autani's EnergyCenter as the wireless solution provided easy installation, intuitive scheduling features and lock-out capabilities, all at a budget-friendly price.

WIRELESSLY MANAGED THERMOSTATS AND LIGHTING

Autani's EnergyCenter system of wirelessly networked, managed thermostats was deployed at the high school in phase one of the project. After that initial install met with success, thermostats were deployed at the middle and elementary schools in phase two. Seeing an added venue for savings, outdoor lighting controls were also installed at all three schools.



Phase 1: EnergyCenter HVAC controls were installed at Franklin High School.

The Results

FCPS can now easily remotely monitor and control each PTAC unit and outdoor lighting fixture across their three campuses. They are seeing significant savings, and their energy guarantee was thoroughly met!