

Fayetteville Municipal Energy Efficiency Project

Location: Fayetteville, Arkansas

Owner: The City of Fayetteville

Project Cost: \$400,000

Completion: February 2011

Project Description:

Pinnacle Engineers were hired to manage a 7 building energy efficiency campaign the City undertook to utilize their American Recovery & Reinvestment Act grant funding. Our services included performing ASHRAE Level 1 energy audits with complete reporting that included energy consumption and cost benchmarking. Full MEP contract documents were then developed for construction. Throughout the project Pinnacle provided the calculations and support necessary to earn AEP SWEPCO's Standard Offer Program energy efficiency incentives.



Above: Duct leakage testing in progress. Testing revealed not only significant leakage overall but also revealed an old HVAC IOM manual had been lodged against a VAV box primary airflow ring. The manual was blocking the majority of the duct free area and had been compromising control and zone comfort since original construction.



Buildings Included

Police Department, Water & Sewer Operations, Fire Stations #1, #4 and #6, Development Services, Community Greenhouse.

Energy Conservation Measures Included: HVAC Equipment Upgrades, Interior Lighting Retrofits, Exterior LED Retrofits, Duct Leakage Testing / Sealing, Envelope Improvements, Glazing Treatments, Planting Trees, Controls Testing, and BAS Controls Upgrades.

