New York State Energy Research and Development Authority

HVAC BUSINESS PARTNERS

Case Study

Associated Builder & Construction

BACKGROUND

The NYSERDA HVAC Business Partners program supports quality commercial HVAC contractors who are trained to provide maintenance and installation services that meet top national standards. TAG Mechanical Systems is a participating Partner, and committed to training their technicians to provide commercial air conditioning service agreements that meet the ANSI/ASHRAE/ACCA Standard 180 for Quality Maintenance. Using digital, data-based diagnostic tools, TAG's technicians are trained to provide commercial clients with the inspection and maintenance tasks outlined in this standard, to not only improve the commercial HVAC rooftop system performance and efficiency, but also to ensure healthy air quality and comfortable temperatures. This enhanced service allows TAG Mechanical Systems to optimize the efficiency of your air conditioning systems, in order to deliver the comfort and cost management that you and your tenants deserve.

PROJECT RECOMMENDATIONS

TAG Mechanical Systems performed a Quality Maintenance project on a 5-ton rooftop unit at Associated Builder & Construction in East Syracuse. The advanced diagnostic tool provided Brian Bulriss, TAG's senior technician, with real time data showing that the unit's air flow and refrigerant levels were not within the proper operating parameters. From this data, and with his technical training, Brian was able to identify and correct other items that were contributing towards a reduction in efficiency, including air leakage and refrigerant operating parameters.

RESULTS & BENEFITS

After using the diagnostic tool and following the Quality Maintenance standards, Bulriss was able to re-establish manufacturer's published operating standards by repairing, replacing, cleaning or adjusting items such as air leakage, refrigerant charge, fan belt, coil surfaces and drain pan. As a result, Associated Builder & Construction is expected to save as much as 20 percent in rooftop air conditioning system operating costs.

Bulriss said, "I appreciate NYSERDA's HVAC Partners Program because it allows me to spend the right amount of time on a piece of equipment, and do my job right." He believes that focusing on Quality Maintenance standards will enhance the company's service agreements while increasing customer and employee satisfaction. "By participating in NYSERDA's program we are now able to expand our business model to incorporate these enhanced services, and we now have the tools to differentiate ourselves from other HVAC contractors," he added.

"It was an interesting and educational experience having TAG Mechanical Systems perform a Quality Preventive Maintenance service for our HVAC systems. To be able to see the before and after improvement achieved was amazing. TAG's use of the test equipment that allowed them to know, definitively, that their efforts had made an impact on the performance was truly eye opening. We now know you can't simply change filters and hope to maintain the rated performance of the equipment. It pays to get it done right."
Steve Lefebvre, President, ABC Empire State Chapter

To Learn how you can become a Partner in NYSERDA's HVAC Program contact us today at 1.866.NYSERDA or visit our website at nyserda.ny.gov/hvac HVACpartners@nyserda.org

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NYSERDA Business Partners
1.866.904.8027
HVACpartners@nyserda.org
nyserda.ny.gov/hvac

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