New York State Energy Research and Development Authority

HVAC BUSINESS PARTNERS

Partner Highlight

Chiodo Heating & Air Conditioning

BACKGROUND

As part of the NYSERDA Business Partners program, the technicians at Chiodo Heating & Air Conditioning in Central NY have been trained to perform Quality Maintenance services according to the ANSI/ASHRAE/ACCA national standards, as well as on the use of advanced diagnostic tools. This knowledge allows them to identify and improve HVAC system performance and efficiency to better serve their customers.

"By participating in NYSERDA's Business Partners program, we have gained the knowledge and tools to assist in performing Quality Maintenance per national standards," said Rob Young, lead technician at Chiodo Heating & Air Conditioning. "In turn, we are able to provide our clients with the information to show that their systems were not working as designed, and how important it is to properly maintain their HVAC equipment."

Chiodo received calls from two facilities in search of a second opinion since noticing performance issues after their HVAC systems had been serviced by other companies. Upon a visual inspection and use of an advanced diagnostic tool, Rob Young, found duct leakage, poor temperature split, overworked units due to constant running, improper installation, and also noted that inadequate thermostat placement was causing short cycling of the units.

PROJECT RESULTS & BENEFITS

Young was able to repair the issues identified upon inspection. He fixed the duct leakage, changed the belts, cleaned the coils, changed the filters, sealed the internal duct work and balanced the entire HVAC system. The technician also moved the internal thermostats for better ambient temperature readings. Some older units at both of the client locations were then replaced, as the cost to repair these units would have been greater than replacing them with newer, high-efficient models.

The customers have both noted that after this service, they have been able to control the internal temperatures more accurately, leading to a more comfortable environment. Both Gold's Gym and the Liverpool Animal Hospital were happy to see the diagnostic test-in and test-out results in person, proving that the system had been serviced properly. Both businesses signed up for annual maintenance contracts with Chiodo after the exceptional service they received. Additional proof of improved efficiency will be shown on future monthly utility bills. Both customers showed an eagerness to see their electric usage drop.

For more information on NYSERDA's Program at 1.866.NYSERDA or visit our website at nyserda.ny.gov/hvac HVACpartners@nyserda.org

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