



## *TRINITY TOWER HOUSING RENOVATION GAS HEATING SYSTEM CONVERSION*

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**Owner:**

*Trinity Tower Buffalo*

**Location:**

*City of Buffalo, Erie County*

**Completion Date:**

*2003*

**Construction Cost**

*\$1,500,000.00*

**Services:**

- *Electrical Engineering*
- *HVAC Engineering*
- *Plumbing Engineering*

Trinity Tower Buffalo is an eight-floor, 88 unit moderate income housing facility serving senior citizens. The building was constructed the early 1970's, during the original energy crisis, and opened in 1973. The facility was limited to the use of electric energy for heating, due to a moratorium on new gas services during that period. Watts Engineers was engaged to design a heating system replacement, which uses natural gas as the heating fuel, thereby saving energy costs for the facility.

We designed a central boiler plant installation to supply a hydronic loop with packaged fan coil units in each apartment. A new boiler house was constructed at grade to house the boilers and related pumps. The design included replacement of the existing electric domestic water heater with new gas-fired units in the boiler house. The project also included redesign of the existing electrical and plumbing systems in 10 apartments that are being converted to meet ADA requirements.

The project was successfully completed in the fall of 2003.