

CASE STUDY

Geneva Housing Authority - Courtyard Apartments WATER CONSERVATION RETROFIT

The mission of the Geneva Housing Authority, located in Geneva, NY is to improve the quality of life for the Geneva community and surrounding areas, specifically its lower income residents, by administering public and private housing assistance programs, promoting the development of affordable, decent and safe housing opportunities, and encouraging economic self-sufficiency.



THE CLIENT CHALLENGE

Federal agencies must reduce energy use in their facilities by 30% from their 2005 baseline by 2015. The housing authority provides housing for over 500 residents at the Courtyard Apartments with a goal to improve quality of life.

THE WATER SOLUTION

RTS Water conducted an evaluation of the facility and from that developed a plan. The water conservation measures that were taken at the Courtyard Apartments included the replacement of fixtures, urinals, toilets, showerheads, etc. These were installed to decrease water usage.

The fixtures that were replaced included the following:

- 1) Lavatory Sinks
- 2) Urinals

- 3) Utility Sinks
- 4) Kitchen Sinks
- 5) Toilets
- 6) Shower Heads

THE RESULTS

The results were great. Utility savings were generated in three different areas: water, sewer, and natural gas usage. Most of the savings resulted from water and sewer reductions. The natural gas was saved by the reduction in hot water consumption. Since less hot water is being used, less energy is required at the hot water heater.

ECM's (Energy Conservation Measures):
Plumbing Fixture Retrofits

FOR MORE INFORMATION

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