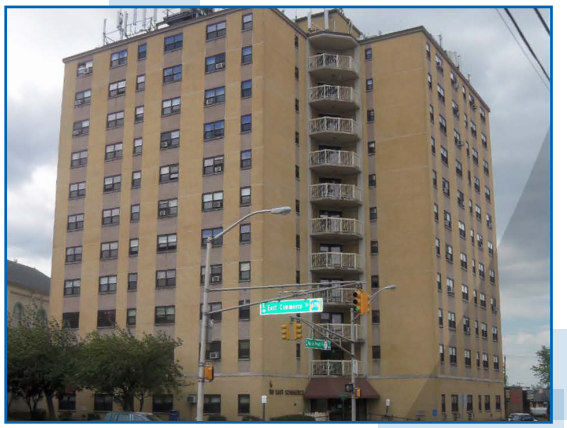
Case Study

Bridgeton Housing Authority

Installing Contractor:	Falasca Mechanical
Project Installation Date:	2011
Location:	Bridgeton, NJ
Type of Facility:	High Rise Apartment Building
Age of Facility:	45 years old at time of installation
Building Size:	11-story building with 100 family units
Building Load, Heat Loss:	2,600 MBH
Solution:	Four (4) Weil-McLain® SlimFit® 750 boilers, three (3) Aqua® PLUS Indirect Fired domestic water heaters, Boiler Modulating Control (BMC) panel
Application Type:	Water

Installation Details:

Replace age old steel Boilers with more energy efficient condensing boilers. Replace existing direct fired domestic hot water heaters with greater operating efficient units. A quantity of four (4) Weil McLain SlimFit 750 Condensing Boilers were installed in a Multiple Boiler Design. A total of three (3) Aqua PLUS 119 indirect fired water heaters were also installed to provide domestic hot water. A BMC energy management control panel supplied by Weil-Mclain will optimize boiler efficiency by stage firing individual boilers in a 20:1 system turn down ratio. Domestic hot water will also be controlled using the BMC energy management control panel based on DHW demand. This project was designed by Rob Spencer, Principal Engineer at Spencer Engineering.



Bridgeton Housing Authority in Bridgeton, NJ

Four new SlimFit 750 boilers installed in the BHA boiler room

Three new Aqua PLUS indirect fired water heaters installed in the BHA boiler room