

NYCHA's HEATING SYSTEMS

Nothing less than excellence is NYCHA's goal in providing the basics for the health and comfort of residents. Well-maintained, up-to-date heating systems have furnished heat and hot water since 1934.

Sources of energy and technology have changed over the years, beginning with the burning of coal and thick asphalt-like #6 fuel oil in NYCHA's early buildings.

NEW YORK CITY HOUSING AUTHORITY
MEMORANDUM
To: W. J. O'NEILL From: F. GARDNER
Subject: COAL HANDLING Date: MAY 15, 1942

COAL HANDLING	
* Cost of Material	1434.14
* Labor	178.54
* Jan. Fuel	632.50
Total	2245.18

REPAIRS	
* Cost of Material	8.08
* Labor	55.03
* Fuel & Coal Storage	250.00
Total	313.11

PREPARED REPAIRS 200	
* Cost of Material	971.30
* Labor	150.50
Total	1121.80

GRAND TOTAL 3680.09

* Blowers & Motors Excluded

W. J. O'NEILL
BUILDING ADULT SUPERVISOR

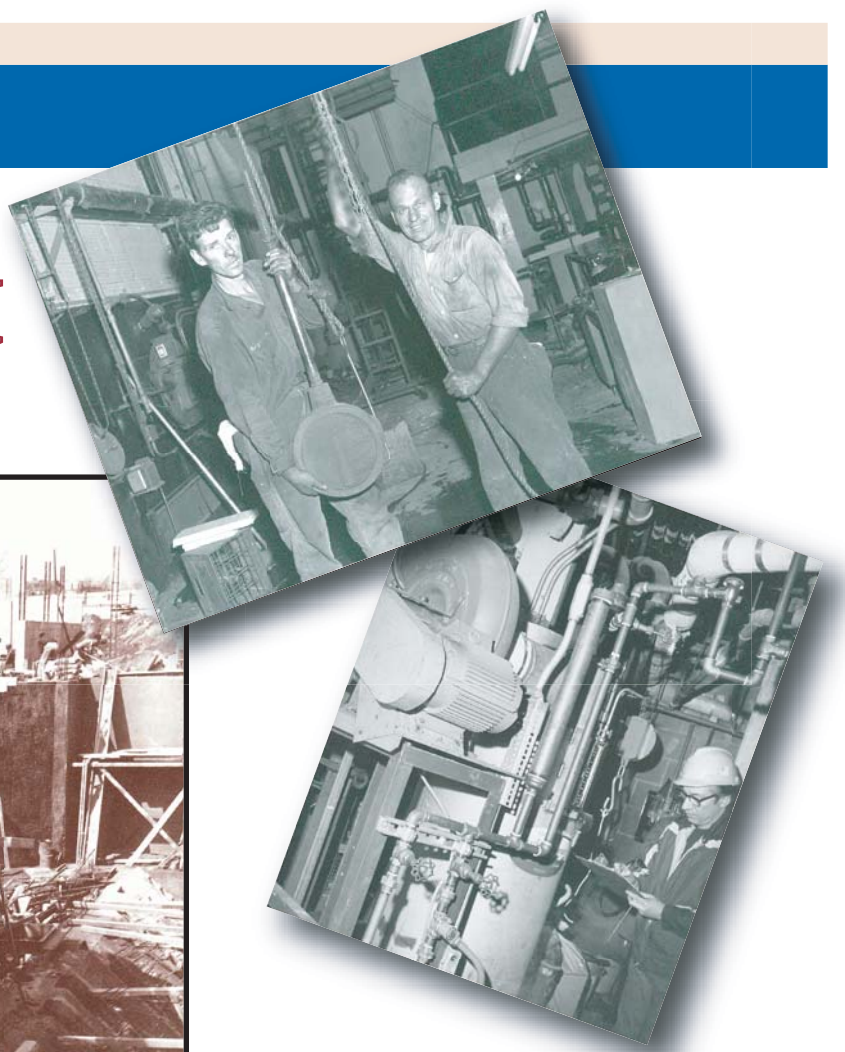
In the 1940s, during World War II, NYCHA, like many property owners, switched to coal exclusively to support the war effort and conserve fuel oil.

The Authority returned to the use of fuel oil in the 1950s to address environmental concerns and because it was easier to handle. Coal, however, a significant air pollutant, was no longer used.



The 1970s saw a revolution in the way NYCHA provides the energy necessary to make heat and hot water.

Dual fuel burners using either oil or natural gas were introduced and by the 1980s, dual fuel burners had replaced the heating systems that were just using fuel oil.



Today, the vast majority of large boiler plants have switched to dual fuel boilers. These boilers use gas as their primary source switching to #2 fuel oil only on the coldest days so that the utility

companies that supply us do not run out of gas for the rest of the city. Because of NYCHA's ability to switch fuels, the rate utility companies charge us is 20% to 25% lower than the price of gas charged to customers who are not able to switch.

Another major advance occurred in 1997 with the advent of remote monitoring and operation of NYCHA's heating systems. NYCHA's energy technicians can run, diagnose problems and maintain oil burners and boilers without being on-site.



NYCHA operates 509 boiler plants through the five boroughs, supplying heat and hot water to 181,000 apartments and to the development's facilities.

