



# Heating Action Plan – Individual Action Plan

## Woodside

DEVELOPMENT INFO	
# of Buildings	20
# of Apartments	1,357
Total Population	2,842
% of Population Over 62	27%
Self Identified Mobility Impaired Population	322
ASSET SUMMARY	
Plant Configuration	Dual Fuel
# of Boilers	6
Distribution System	Two-Pipe
ASSET CONDITION	
Boiler Age	28 years
Boiler PNA Condition Rating	3
MAJOR CHALLENGES	
<p>This plant needs to allow all six boilers to individually switch to fuel oil during a gas service disruption. The current setup only allows staff to switch all boilers to either gas or oil. These are old models of the Preferred brand burners which cause difficulty in obtaining parts during an emergency. The boilers at this location have outlived their life expectancies.</p>	

CAPITAL INVESTMENTS	
<ul style="list-style-type: none"> <li>None Scheduled.</li> </ul>	
OPERATIONS INVESTMENTS	
<ul style="list-style-type: none"> <li>Burner Replacements [Projected Start February 2020]</li> </ul>	
OUTAGES	
2017/2018 Heating Outages	10
2017/2018 Average Restoration Time (Hours)	22.1
2018/2019 Heating Outages	1
2018/2019 Average Restoration Time (Hours)	12.0
HEATING STAFF BREAKDOWN	
Cluster	Q/SI 1
Management	Heating Administrator Cluster Superintendent Cluster Assistant Superintendent
Frontline Personnel	HPT (5am-1pm) HPT (8am-4:30pm) HPT (2pm-10pm)
HPT = Heating Plant Technician	
Permanent Affordability Commitment Together (PACT)	
Woodside is not currently in the PACT conversion pipeline.	

POTENTIAL ALTERNATIVE HEATED COMMUNITY SPACES
<b>On-site</b>
Samaritan Village, 50-37 Newtown Road
Sunnyside Community Services, 50-19 Broadway
<b>Off-site</b>
Not Applicable

\*The Office of Emergency Management (OEM) and the Emergency Services Department (ESD) coordinate with the MTA to provide warming buses and transportation to the warming centers.\*

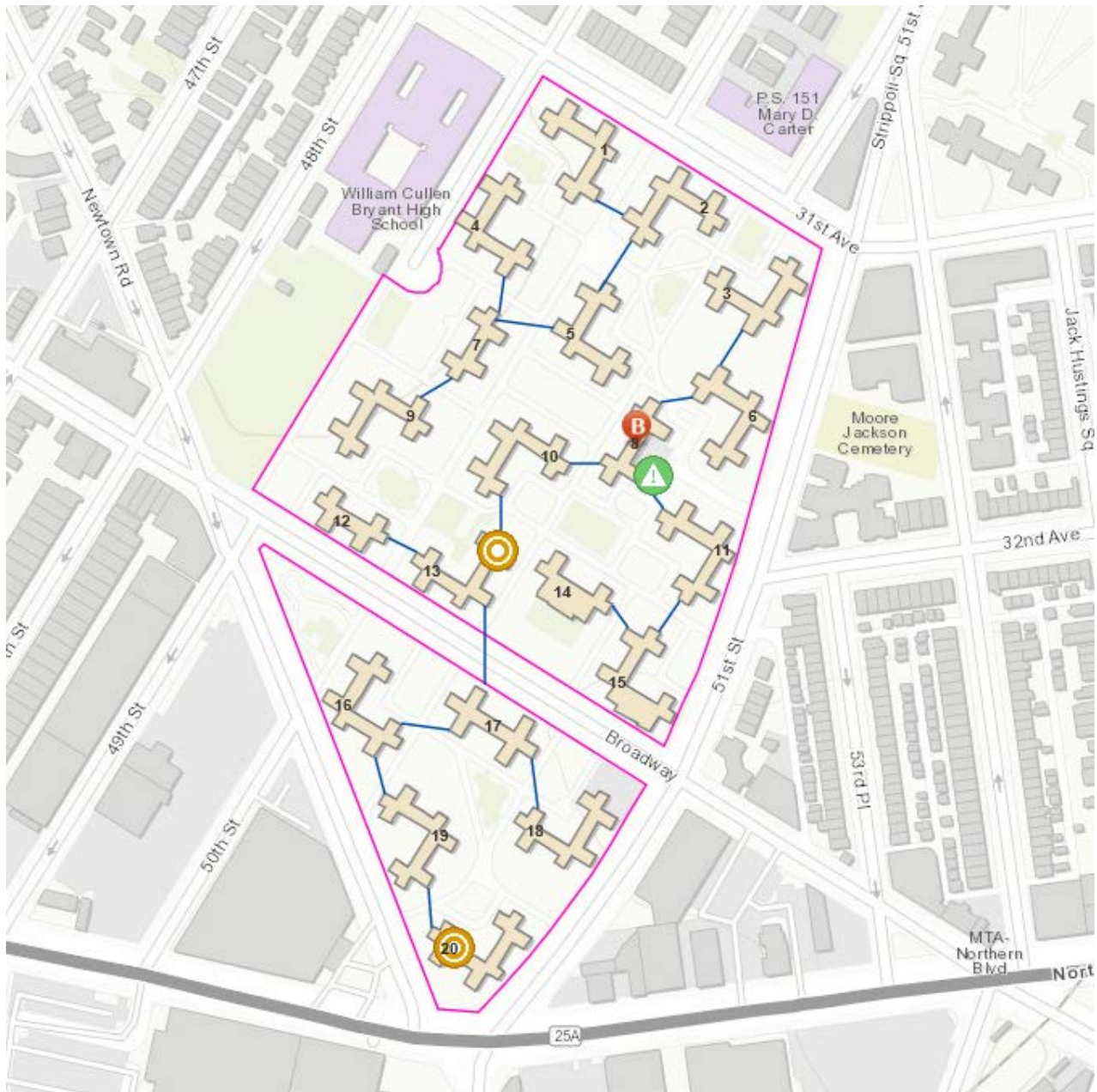


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### MOBILE BOILER CONNECTION DETAILS

Location of installation (DOT alternate side parking rules)	31-50 51st Street (NYCHA Grounds)
Boiler type	Industrial
Boiler burner	Preferred
Number of boilers	6
Internal heating system	Steam
Horsepower per boiler	250 hp
Internal system horsepower	1,500 hp
Number of in-ground oil tanks	2
In-ground oil tank capacity	T#1 10,000; T#2 20,000
Number of oil transfer pumps on-site	3
Number of oil transfer pumps operational	3
Oil operation follow-ups	Normal operation
Scaffolding size and staging	Connection Platform: 12'H x 5'W, Bridging: 12'H x 3'W x 30'L
Electrical feed location	Electric meter room (needs dedicated disconnect panel)
Building amperage/voltage	800 amp/ 208 volt
Electrical materials needed	3 Phase 50' length - 4/0 AWG cable
Steam inlet access point	10" Main header (needs blank installed) over Boiler 2
Steam connection inlet diameter	10"
Requires welding for steam connection	Yes
Plumbing materials needed for steam connection	(1) 90-degree elbow, (1) 20'L x 10" ID Steel Braided Hose, (1) 10'L x 10" ID Steel Braided Hose
Make-up feed water access point	2" Tap on condensate line
Plumbing materials needed for make-up feedwater connection	(2) 100'L x 1" Rubber Hose



## LEGEND

- |   |                     |   |                                    |
|---|---------------------|---|------------------------------------|
|  | NYCHA Buildings     |  | Mobile Boiler Location             |
|  | Development Outline |  | Alternative Heated Community Space |
|  | Boiler Room         |  | Underground Steam Lines            |