



# Heating Action Plan – Individual Action Plan

## South Bronx Area (Site 402) Houses

Bronx

(Managed by Union Avenue Consolidated)

DEVELOPMENT INFO	
# of Buildings	4
# of Apartments	114
Total Population	383
% of Population Over 62	10%
Self Identified Mobility Impaired Population	31
ASSET SUMMARY	
Plant Configuration	Firm Gas
# of Boilers	18
Distribution System	Hydronic
ASSET CONDITION	
Boiler Age	5-36 years
Boiler PNA Condition Rating	3
MAJOR CHALLENGES	
<p>This site was affected by flooding and water/sewage stoppages. The hydronic system constantly leaks. Contractors are currently in progress of installing risers. If required, the mobile boiler can be setup on the street.</p>	

CAPITAL INVESTMENTS	
<ul style="list-style-type: none"> <li>None Scheduled</li> </ul>	
OPERATIONS INVESTMENTS	
<ul style="list-style-type: none"> <li>Baseboard Convactor Replacement [Completed]</li> <li>Boiler Plant Upgrade [Completed]</li> <li>Distribution Line Replacement [Completed]</li> <li>Emergency Boiler Replacement and Heat Circulation Pumps [Completed]</li> <li>Heat Controls (Outdoor Sensors) [From December 2019 to Anticipated Completion of December 2019, 0% Completed]</li> <li>Heating Mains Replacement [Completed]</li> <li>Heating System Repairs [Completed]</li> <li>Hydrotherm Installation [Completed]</li> <li>Isolation and Bleed Air Valve Installation [Completed]</li> <li>Replacement of Heat Distribution Line and Apartment Risers [Completed]</li> </ul>	
OUTAGES	
2017/2018 Heating Outages	8
2017/2018 Average Restoration Time (Hours)	34.3
2018/2019 Heating Outages	18
2018/2019 Average Restoration Time (Hours)	9.2
HEATING STAFF BREAKDOWN	
Cluster	BX 3
Management	Heating administrator Cluster Superintendent Cluster Assistant Superintendent
Frontline Personnel	HPT (8am-4:30pm)
HPT = Heating Plant Technician	
Permanent Affordability Commitment Together (PACT)	
South Bronx Area (Site 402) is not currently in the PACT conversion pipeline	

POTENTIAL ALTERNATIVE HEATED COMMUNITY SPACES	
<b>On-site</b>	Not Applicable
<b>Off-site</b>	Southeast Bronx Neighborhood Centers, 751 East 161st Street

\*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 (Page 1 of 2)

Location of installation (DOT alternate side parking rules)	855 Cauldwell Avenue (Monday - Thursday, 8:00am to 9:30am)	821 Cauldwell Avenue (Monday - Thursday, 8:00am to 9:30am)
Boiler type	Utica	Raypak
Boiler burner	Utica	Raypak
Number of boilers	4	3
Internal heating system	Hydronic	Hydronic
Horsepower per boiler	299,000 Btu/h	220,000 Btu/h
Internal system horsepower	1,196,000 Btu/h	660,000 Btu/h
Number of in-ground oil tanks	N/A	N/A
In-ground oil tank capacity	N/A	N/A
Number of oil transfer pumps on-site	N/A	N/A
Number of oil transfer pumps operational	N/A	N/A
Oil operation follow-ups	N/A	N/A
Scaffolding size and staging	External bridge work needed only	External bridge work needed only
Electrical feed location	Electric meter room (needs dedicated disconnect panel)	Electric meter room (needs dedicated disconnect panel)
Building amperage/voltage	100 amp/ 208 volt	100 amp/ 208 volt
Electrical materials needed	3 Phase 50' length - 4/0 AWG cable	3 Phase 50' length - 4/0 AWG cable
Steam inlet access point	2" Hydro taps for supply and return	2" Hydro (needs taps for supply and return)
Steam connection inlet diameter	Hydronic System 2"	Hydronic System 2"
Requires welding for steam connection	No	No
Plumbing materials needed for steam connection	N/A	N/A
Make-up feed water access point	2" Hydro taps for supply and return	2" Hydro taps for supply and return
Plumbing materials needed for make-up feedwater connection	(2) 100'L x 1" Rubber Hose	(2) 100'L x 1" Rubber Hose



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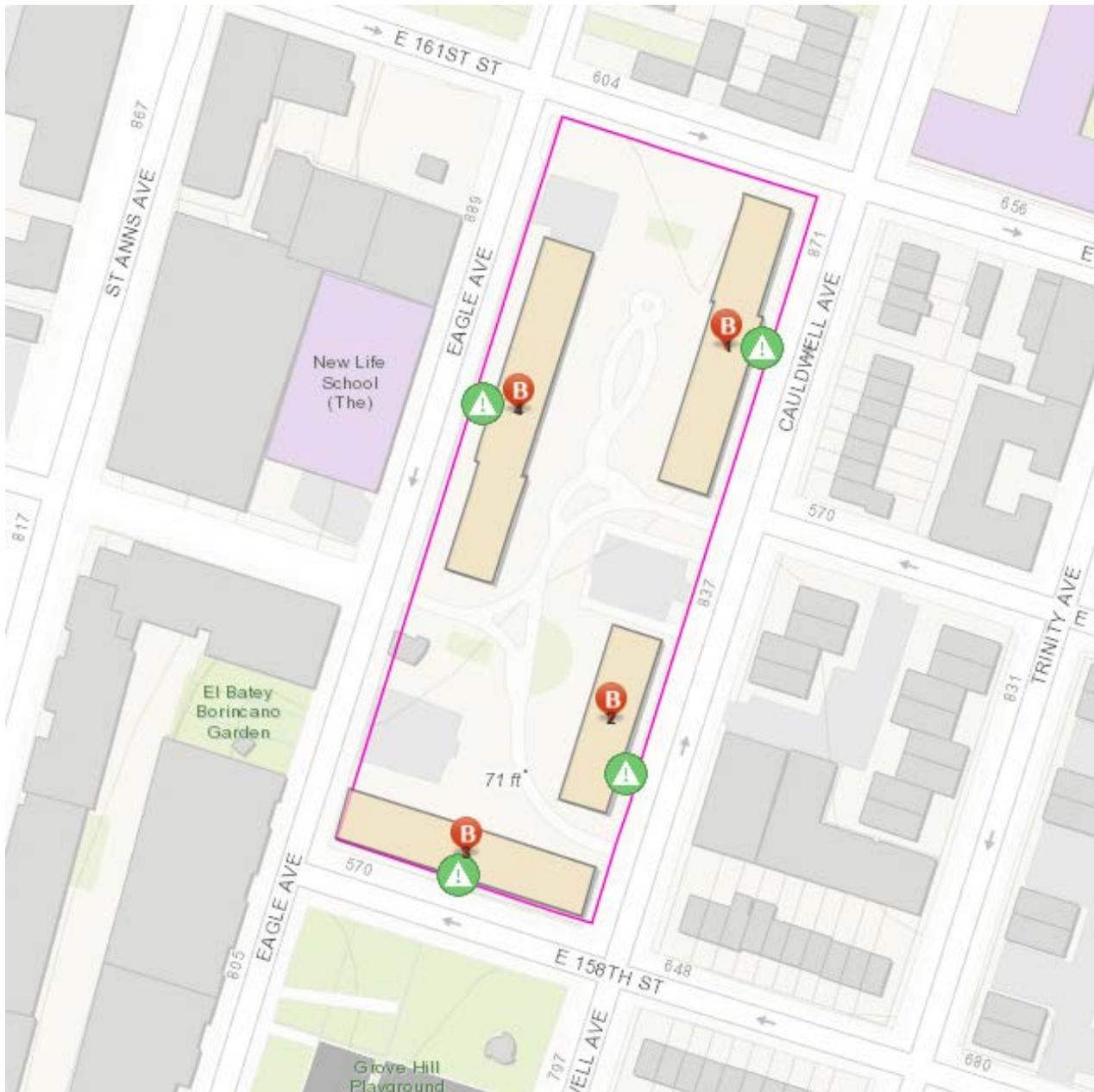
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### MOBILE BOILER CONNECTION DETAILS (Page 2 of 2)

Location of installation (DOT alternate side parking rules)	834 Eagle Avenue (Tuesday - Friday, 8:30am to 9:30am)	625 East 158th Street (Monday - Thursday, 8:00am to 9:30am)
Boiler type	Utica	Utica
Boiler burner	Utica	Utica
Number of boilers	3	3
Internal heating system	Hydronic	Hydronic
Horsepower per boiler	220,000 Btu/h	299,000 Btu/h
Internal system horsepower	660,000 Btu/h	897,000 Btu/h
Number of in-ground oil tanks	N/A	N/A
In-ground oil tank capacity	N/A	N/A
Number of oil transfer pumps on-site	N/A	N/A
Number of oil transfer pumps operational	N/A	N/A
Oil operation follow-ups	N/A	N/A
Scaffolding size and staging	External bridge work needed only	External bridge work needed only
Electrical feed location	Electric meter room (needs dedicated disconnect panel)	Boiler room main panel (needs dedicated disconnect panel)
Building amperage/voltage	100 amp/ 208 volt	100 amp/ 208 volt
Electrical materials needed	3 Phase 50' length - 4/0 AWG cable	3 Phase 50' length - 4/0 AWG cable
Steam inlet access point	2" Hydro (needs taps for supply and return)	2" Hydro (needs taps for supply and return)
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### LEGEND

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