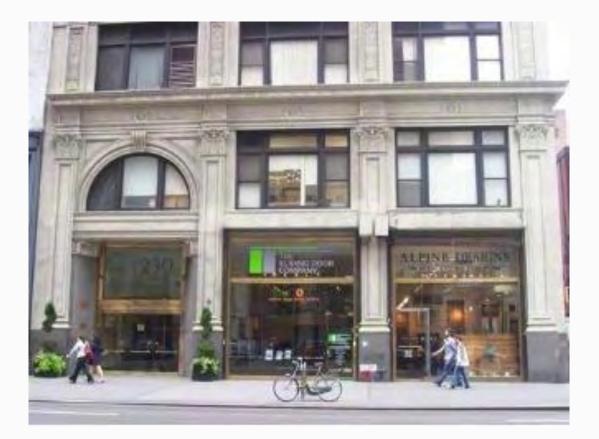
BOILER INSTALL REPORT 230 5th Ave New York, NY 10001 FITCH FUEL CATALYST

Prepared by: Advanced Power Systems International, Inc. 339 Main Street, Torrington, CT. 06790 860-496-7776



Dated: April 30, 2012



Representantes / Distribuidores Exclusivos

Argentina Tel: (+54 11) 5352 2500 Email: info@dastecsrl.com.ar Web: www.dastecsrl.com.ar **Purpose:** Measure effect of Fitch Fuel Catalyst on emissions and boiler efficiency. **Fitch Fuel Catalyst – 2 pieces Model FHD10-UL** manufactured by APSI installed by Ace-Atlas.

Property Managers: Newmark Knight FrankBoiler type: 2 x Federal FST 350Oil type: #6Test Personnel: Frank CassanoAce-Atlas CorpData: Degree day data collected from KNYEW45, Hunter College. Fuel consumption data from buildings USEnergy system. Fuel deliveries provided by NKF

Record of Events

1. December 29, 2011

Boiler cleaned and adjusted for optimal combustion.

Fitch Catalyst installed and system operated for 30 minutes.

Baseline Emissions and efficiency data recorded.

2. January 20, 2012

Stack temperature was high yet boiler was clean so the firing rate was set back 10% to reduce stack temperature.

Location Boiler #1	Combustion & emissions measurements	Baseline data 12/29/2011	Retest 1/20/12	% Change
	Nett temp	450	456	1.3%
	CO2 %	12.0%	13.6%	13.3%
	Efficiency %	83.3%	87.1%	4.6%
	Smoke	0	0	
Location Boiler #2				
	Nett temp	475	462	-2.7%
	CO2 %	11.2%	12.7%	13.4%
	Efficiency %	83.5%	85.9%	2.9%
	Smoke	0	0	
11/20/11 to 1/20/12 baseline 1/21/12 to 4/30/12 /Fitch	Gallons per degree day	13.55	11.48	-15.3%
Estimated Annual Fuel savings based on 60,000 gals /yr	9,166 gallons			

Conclusions – Results from Fitch Install

1. Boiler combustion efficiency improved by 4.6 % and 2.9% respectively.

2. Firing rate reduced by 10%

3. Estimated fuel savings 9,166 gallons - Approx \$29,000



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