

Report No. <u>12148</u>

Date: <u>1/31/06</u>

ALLIED ENERGY SYSTEMS, LLC

Fuel Consumption Reduction Pilot Program

TEST RESULTS
FOR:
SPACE HEATING BOILER

Located at:

New Jersey Dept. of Trans. Cherry Hill Complex Cherry Hill, NJ

A Confidential Report

Prepared by

Intellidyne LLC



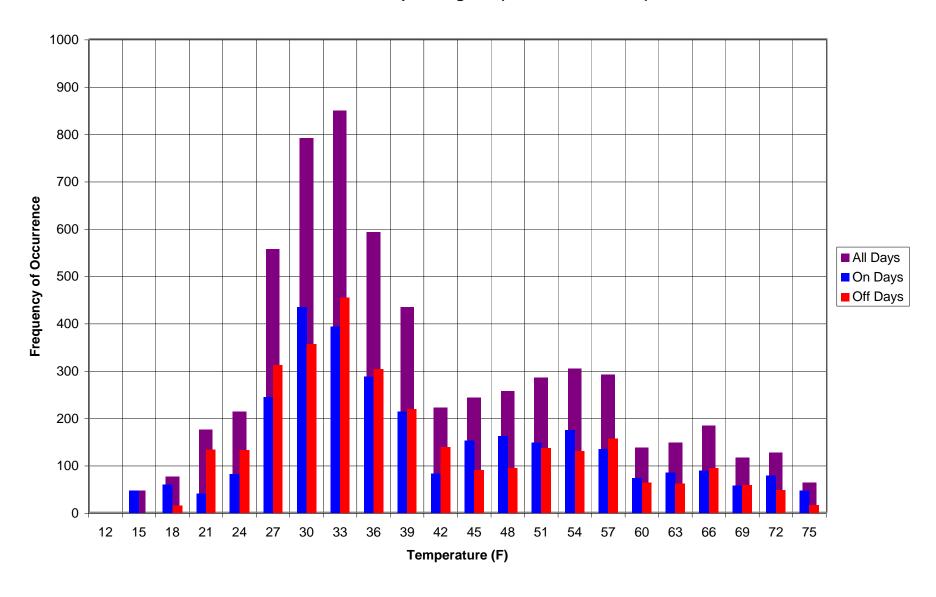
Test Report

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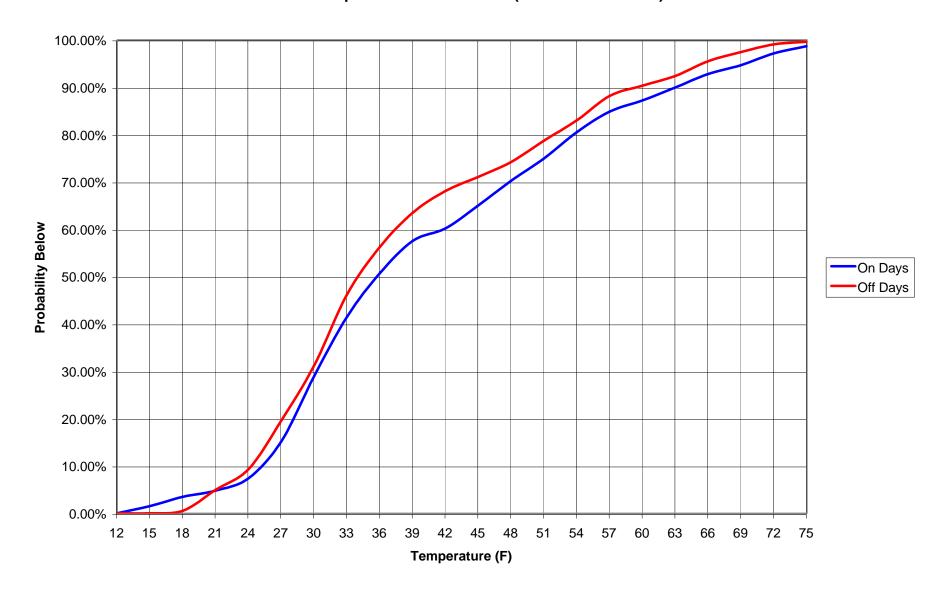
Date: 01/31/06

Customer: Allied Energy Systems LLC Attn: Bill Tarves							Test Site Location: New Jersey Department of Transportation Cherry Hill Complex Frontage Rd. Cherry Hill NJ						
Test Type:	est Type:						REFRIGERATION OTHER:						
Product Tested:	□HW	✓ LCH	LCS	CHW	CHS	☐ AC	CAC	□RU	OTHER:				
			J			٠							
Type of Equipment: Manuf.: Weil McLain Model :LGB-9 Capacity/SetPt: 1040 MBH / 190 Fuel Type Used: Natural Gas Application: Hydronic Heating Only No DHW Area Served: Electrical Building							Test Start Date: 11/10/05 Test End Date: 12/13/05 ====== No. of Days in Test: 34						
BURNER RUN-T IntelliCon	ON-DAYS			✓ in H		in MIN		<mark>⁄</mark> ⁄6	Intel	NER USAGE liCon On-Day	ys: 15%		
HEATING DEGR	EE-DAYS	(FOR TEST	Γ PERIOD))					<u>US</u>	SAGE PER DI	EGREE-DAY		
IntelliCon IntelliCon (Total De		8:		It was	2.9%	Warmer o	n the On-	-Days.		ON-DAYS:	0:04:18 0:04:59		
SOLAR LOAD Co IntelliCon IntelliCon C	ON-DAYS	724	<u>49</u>	Ft.)	18.10%	Sunnier o	n the OFF	F-Days.					
BURNER CYCLII IntelliCon IntelliCon (ON-DAYS	: <u>5</u>	12 60	Cyc	ling was re	educed by	: 46.7%	6					
Adj. Sav	<mark>ings =</mark>	13.	<mark>.87%</mark>										

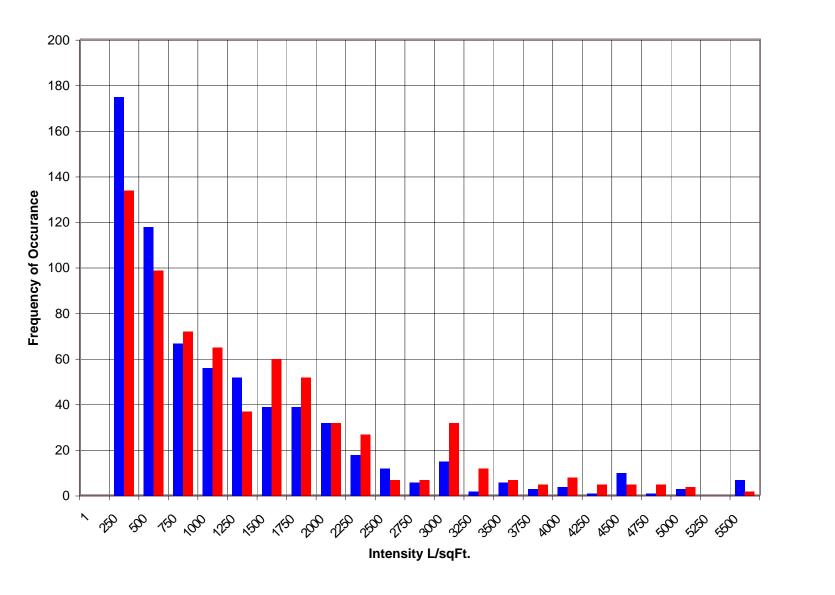
Outside Air Temp Histogram (11/10/05 --12/13/05)



OAT Temperature Probabilities (11/10/05 --12/13/05)



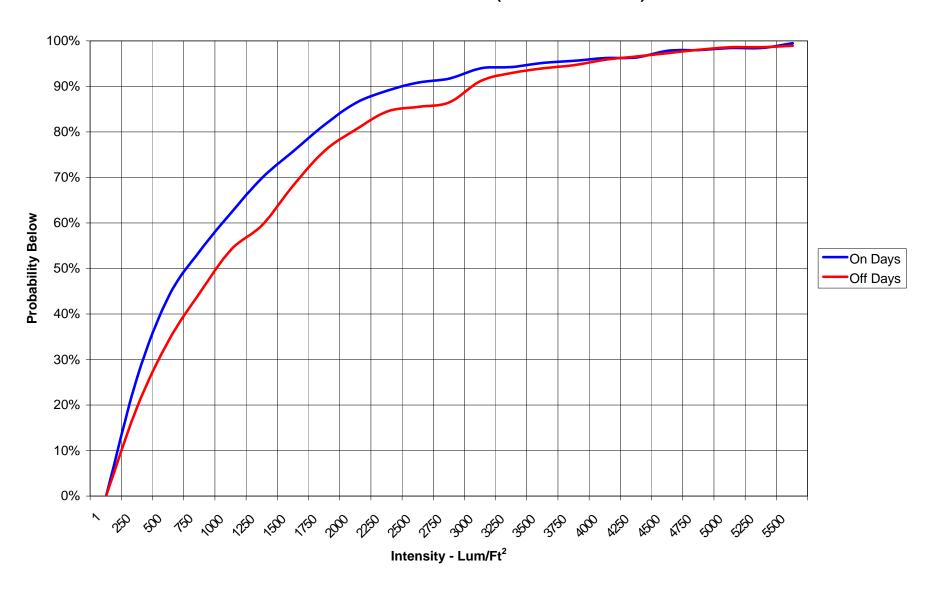
Solar Influence Histogram (11/10/05 - 12/13/05)



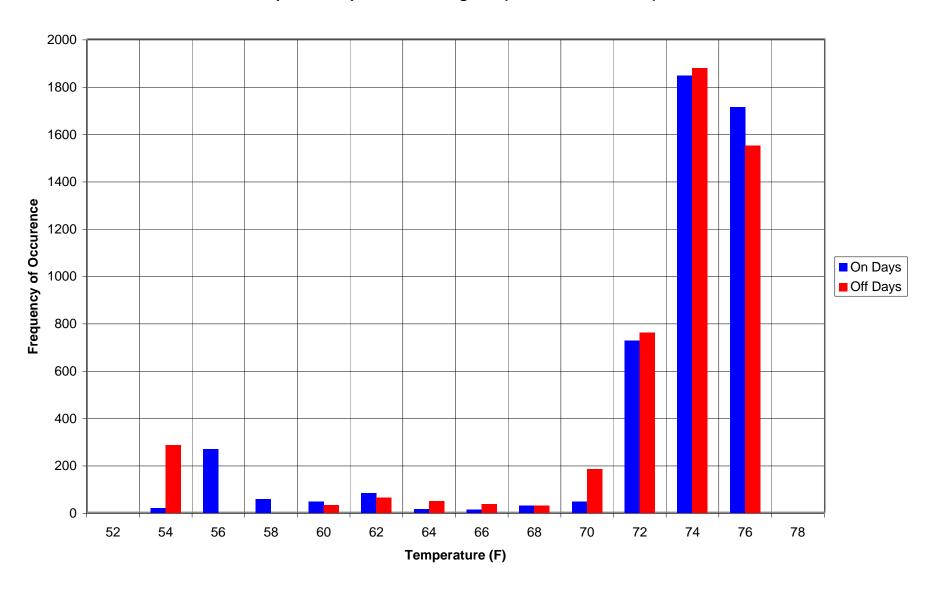
On Days

■ Off Days

Solar Influence Probabilities (11/10/05 - 12/13/05)



Space Temperature Histogram (11/10/05 -- 12/13/05)



Space Temperature Probabilities (11/10/05 -- 12/13/05)

