

Report No. <u>12154</u> Date: 0<u>2/08/07</u>

Fuel Reduction Pilot Program

CONDUCTED AT

OXFORD PROPERTIES

FOR

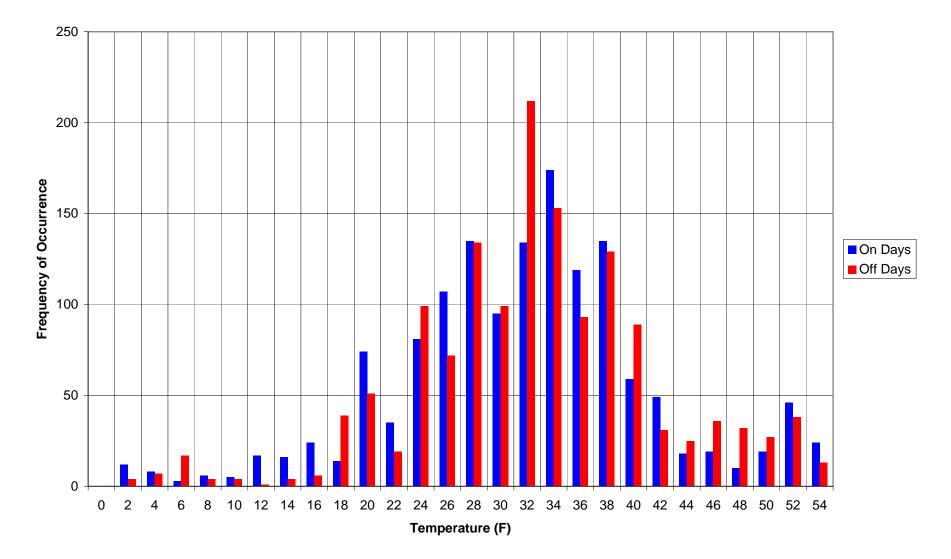
Canadian Energy Conservation Group

TEST RESULTS For A HOT-WATER BOILER

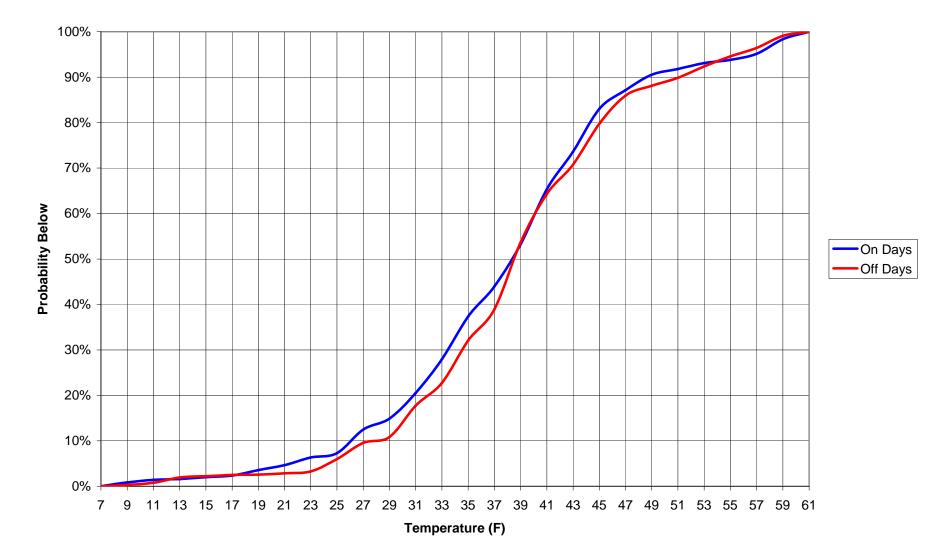
A Confidential Report Prepared by Intellidyne LLC

	90 Pratt Oval Glen Cove, NY 11542 Phone:516-676-0777 Fax: 516-676-2640		'EST RE Report N	o. 12154-1
Customer:		Test Site Location	on:	Date: 02/08/07
Canadian Energy Conservation Gr	oup	Oxford Propert		
1519 Rawlings Drive		245 Consumer	rs Road	
Pickering, ON		Toronto, ON. C	Canada, M2J 1R3	
L1V 5A6		Boiler # 1 & 2	Low Fire	
Test Type: HEATING	AIR CONDITIONING	REFRIGERATION	OTHER:	
Product Tested: HW LCH	LCS 🔽 CHW 🗌 CHS	AC CAC RU		
Type of Equipment:				
Manufacturer: Laars Model: HH2450IN11JCCAXX		Test Start D	Date: 11/11/06	
Capacity / SetPt: 2,450,000 BTU				
Fuel Type: Natural Gas		Test End I	Date: 12/10/06	
Application:Space HeatingArea Served:Entire building		No. of Days in	======= Test: <u>30</u>	
Misc.		No. or Days III		
BURNER RUN-TIME:	☑ in HRS.	in MIN.	BURNER USAGE F	ACTOR:
IntelliCon ON-DAYS: 413:43:34			IntelliCon On-Days	3: <mark>57%</mark>
IntelliCon OFF-DAYS: 433:15:31	RUN-TIME was re	educed by: 4.51%	IntelliCon Off-Days	s: <mark>60%</mark>
HEATING DEGREE-DAYS (FOR TEST F	'ERIOD)		USAGE PER DEC	GREE-DAY
IntelliCon ON-DAYS: 407	It was 3.3%	Colder on the On-Days.	ON-DAYS:	<mark>1:00:59</mark>
IntelliCon OFF-DAYS: 394			OFF-DAYS:	1:05:59
Total Degree-Days: 801				
SOLAR LOAD COMPENSATION: (Lum	ens/Sq. Ft.)			
IntelliCon ON-DAYS: 78324			Individual	Runtimes
IntelliCon OFF-DAYS: 86331	It was 9.27%	Sunnier on the OFF-Days.	ON-Day Boiler # Runtime 329:07:3 Cycles 113	<u>41</u> <u>Boiler #2</u> 83 84:36:00 443
BURNER CYCLING REDUCTION:			<u>Cycles</u> 113	
IntelliCon ON-DAYS: 556			OFF-Day Boiler #	t1 Boiler #2
			Runtime 341:58:2	
IntelliCon OFF-DAYS: 762	Cycling was re	educed by: 27.0%	Cycles 61	701
Adj. Savings = 7.56%				
COMMENTS:				

Intellidyne	90 Pratt Oval Glen Cove, NY 11542 Phone:516-676-0777 Fax: 516-676-2640	Ţ	est R Repor	eport rt No. 12154-2 Date: 02/08/07
Customer:		Test Site Location	on:	Dute. 02/00/01
Canadian Energy Conservation Gro	oup	Oxford Proper	ties	
1519 Rawlings Drive		245 Consume	rs Road	
Pickering, ON		Toronto, ON.	Canada, M2J 1R3	
L1V 5A6				
		Boiler # 1 & 2	High Fire	
Test Type: I HEATING	AIR CONDITIONING	REFRIGERATION	OTHER:	
		_		
Product Tested: HW LCH	LCS 🗹 CHW 🗌 CHS	🗌 AC 🔤 CAC 🔤 RU	OTHER:	
Type of Equipment:				
Manufacturer: Laars				
Model: HH2450IN11JCCAXX		Test Start I	Date: 11/11/06	
Capacity / SetPt: 2,450,000 BTU		Toot End	Dete: 12/10/06	
Fuel Type: Natural Gas Application: Space Heating		Test End	Date: 12/10/06	
Area Served: Entire building		No. of Days in	Test: 30	
Misc.				
BURNER RUN-TIME:			BURNER USAG	E FACTOR:
	in HRS.	in MIN.	Bonne	
IntelliCon ON-DAYS: 215:28:21			IntelliCon On-D	ays: <mark>30%</mark>
IntelliCon OFF-DAYS: 232:51:05	RUN-TIME was re	duced by: 7.46%	IntelliCon Off-D	avs: 32%
memoon off DATO. 202.01.00				ayo. <u>5276</u>
HEATING DEGREE-DAYS (FOR TEST P	ERIOD)		USAGE PER	DEGREE-DAY
IntelliCon ON-DAYS: 407	It was 3.3%	Colder on the On-Days.	ON-DAYS:	0:31:46
IntelliCon OFF-DAYS: 394			OFF-DAYS:	0:35:28
=======			OIT-DATS.	0.35.20
Total Degree-Days: 801				
SOLAR LOAD COMPENSATION: (Lum	ens/Sa. Ft.)			
IntelliCon ON-DAYS: 78324			<u>Individu</u>	al Runtimes
IntelliCon OFF-DAYS: 86331	It was 9.27%	Sunnier on the OFF-Days.	ON-Day Boil	er #1 Boiler #2
		,		51:24 11:36:58
			Cycles 80	06 77
BURNER CYCLING REDUCTION:				
IntelliCon ON-DAYS: 883			OFF-Day Boil	er #1 Boiler #2
				06:07 34:44:58
IntelliCon OFF-DAYS: 1110	Cycling was re	educed by: 20.5%		6 <mark>7 243</mark>
Adj. Savings = 10.42%	•			
COMMENTS:				



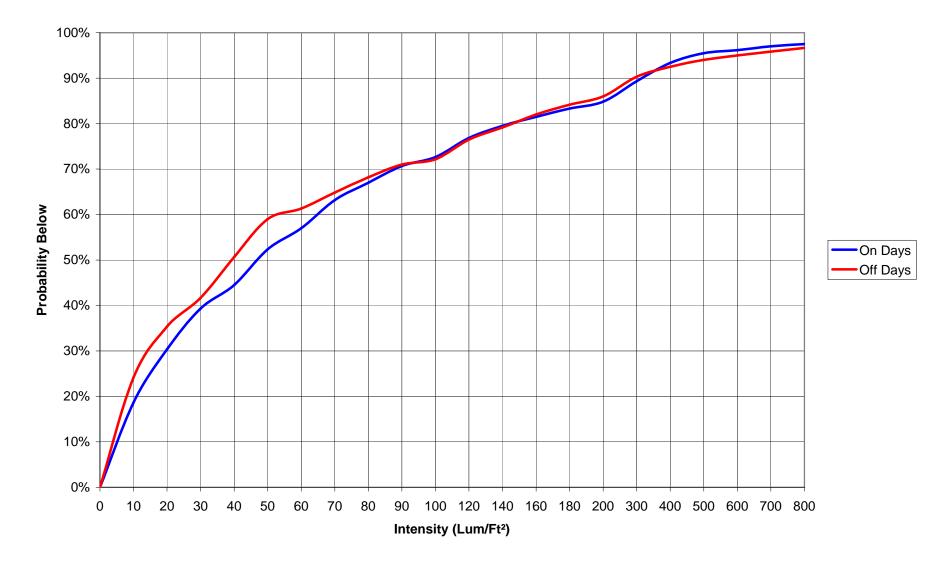
CECG - Oxford Properties Outside Air Temperature Histogram (11/11/05--12/10/06)



CECG - Oxford Properties Outside Air Temperature Probabilities (11/11/05--12/10/06)

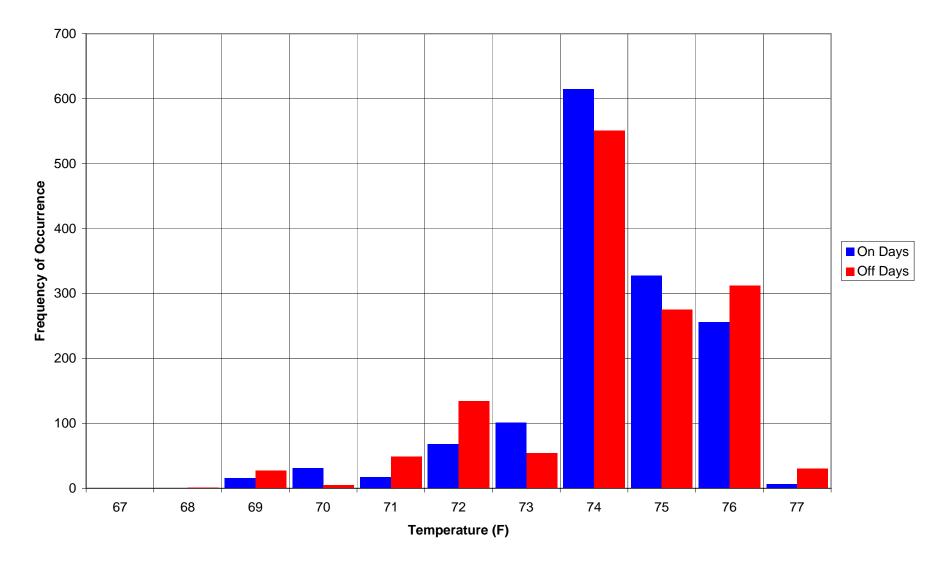
Frequency of Occurrence On Days Off Days 100 120 140 160 180 200 300 400 500 600 Intensity (Lum/Ft²)

CECG - Oxford Properties Solar Load Histogram 7:00 am - 5:00 pm (11/11/05--12/10/06)



CECG - Oxford Properties Solar Load Probabilities 7:00 am - 5:00 pm (11/11/05--12/10/06)

CECG - Oxford Properties Space Temperature Histogram (11/11/05--12/10/06)



CECG - Oxford Properties Space Temperature Probabilities (11/11/05--12/10/06)

