

Report No. <u>708001</u>

Date: 8/30/07

# INTELLIDYNE CANADA

# Electricity Consumption Reduction Pilot Program

TEST RESULTS
FOR:
ROOF TOP
PACKAGED AIR CONDITIONING

Located at:

KAWARTHA DAIRY
302 TORONTO STREET S.
UXBRIDGE, ONTARIO
CANADA

A Confidential Report

Prepared by

Intellidyne LLC



90 Pratt Oval Glen Cove, NY 11542 Fax: 516-676-2640

# Test Report

Report No.

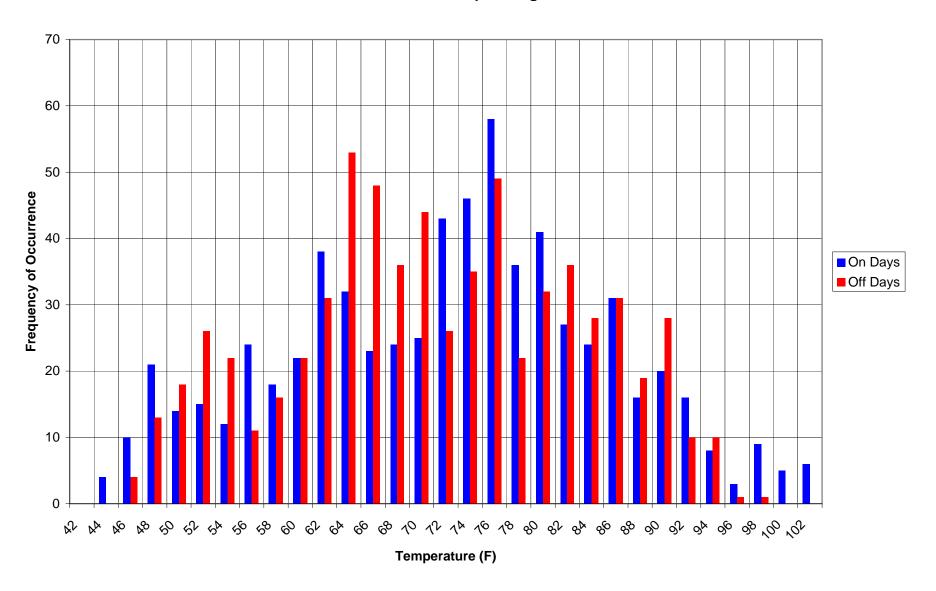
										Date:	08/30/07	
Customer:								te Locati				
Intellidyne Canada						Kawartha Dairy						
1519 Rawlings Dr.						302 Toronto Street S.						
Pickering, Ontario						Uxbridge, Ontario						
Canada L1V5A6							Canad	la				
Test Type:	☐ HEATING ✓ AIR CONDITIONING					REFRIGERATION			OTHER:			
Product Tested:	□ HW	LCH	LCS	CHW	CHS	☐ AC	✓ CAC	RU	OTHER:			
r roduct rootou.												
Type of Equipment:												
Manufacturer: Lennox  Model: GCS16-072-160-1J  Test Start Date: 06/26/07												
Model: GCS16-072-160-1J Capacity / SetPt: 6 Ton							Test Start Date: 06/26/07					
Fuel Type: Electricity							1	Γest End	Date: 07/13/07			
Application: Space Cooling									======			
Area Served:							No. of	f Days in	Test: 18			
Misc. condensor Mounted on Rooftop												
IntelliCon	ON-DAY	<b>'S</b> : 61.06		☑ in ⊦	HRS. IME was re	in MIN		<mark>%</mark>	IntelliCon On-Days:	28%	<u>CTOF</u>	
COOLING DEGREE-DAYS (FOR TEST PERIOD)  USAGE PER DEGREE-DAY											<u>AY</u>	
IntelliCon ON-DAYS: 64 It was 16.3%							Warmer on the On-Days. ON-DAYS: .					
IntelliCon OFF-DAYS: 55									OFF-DAYS: 1.24	l Hr		
=======												
Total Degree-Days: 119												

#### Savings = 22.6%

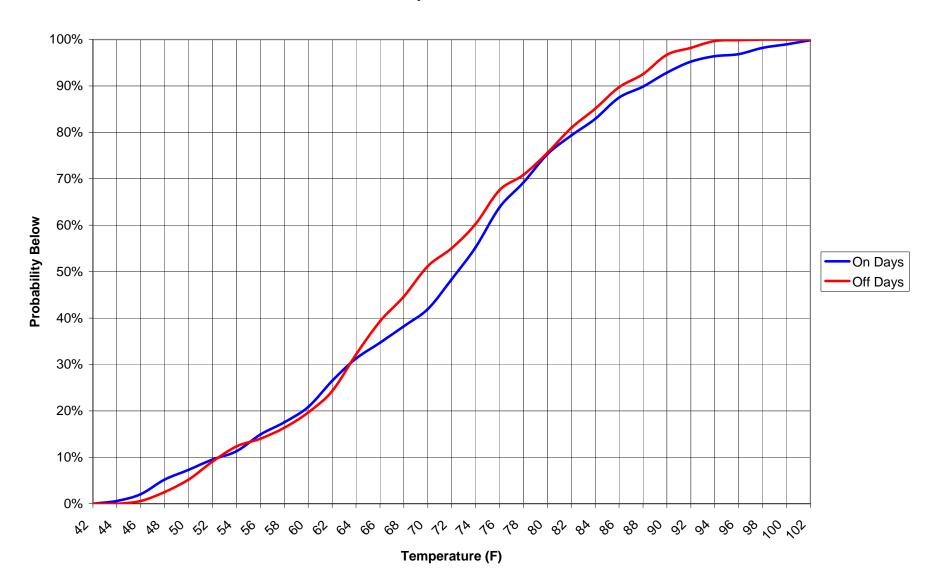
COMMENTS:

During the Pilot Demonstration period there was a 16.3 % difference in the measured outdoor air temperature between the "ON" and "Off" days. The total "Cooling Degree" days for "ON" days was 64 and the total "Cooling Degree" days for the "Off" days was 55. Because of this significant difference in cooling demand the run time was converted to run time hours per cooling degree day. This comparison shows an adjusted run time savings of 22.6%. There was also no significant difference in the measured space temperatures between the "ON" and "OFF" days.

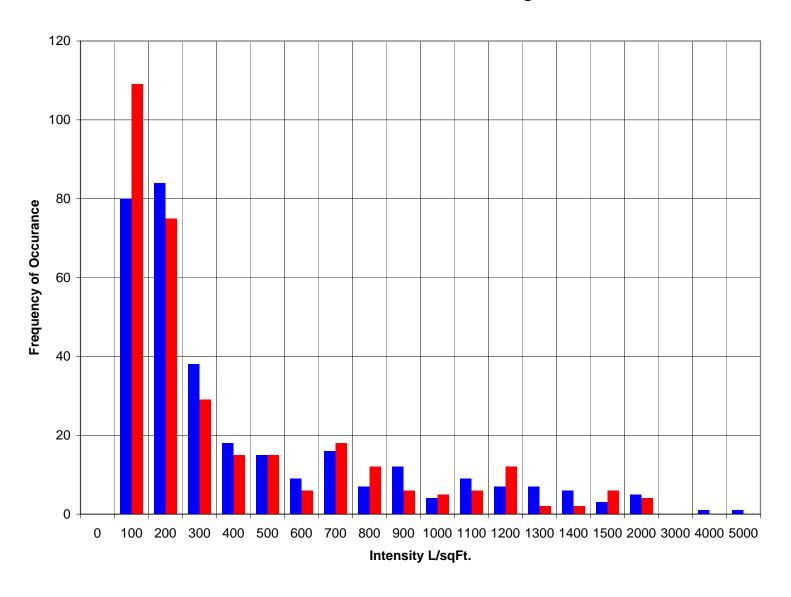
#### **Outside Air Temp Histogram**



#### **OAT Temperature Probabilities**

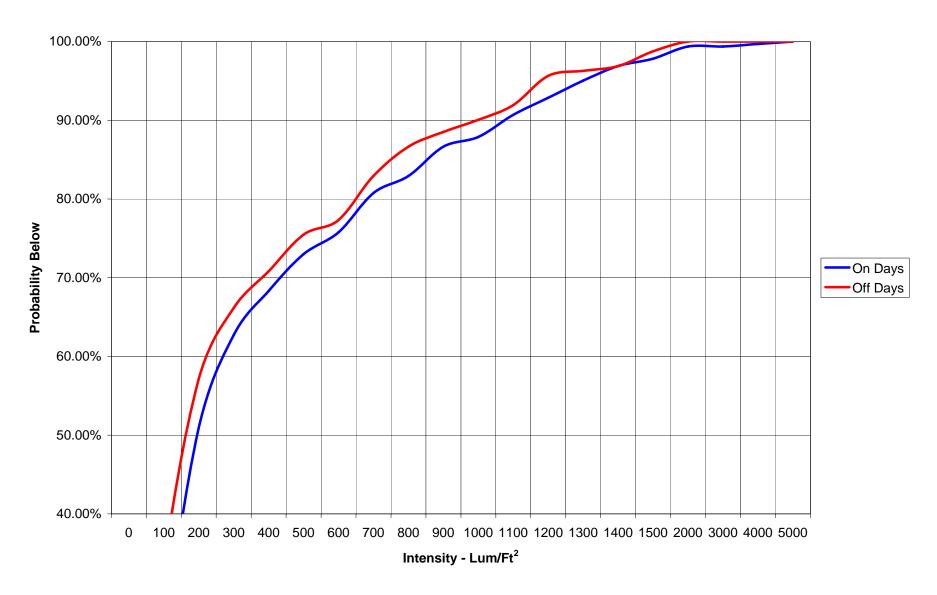


### **Solar Influence Histogram**

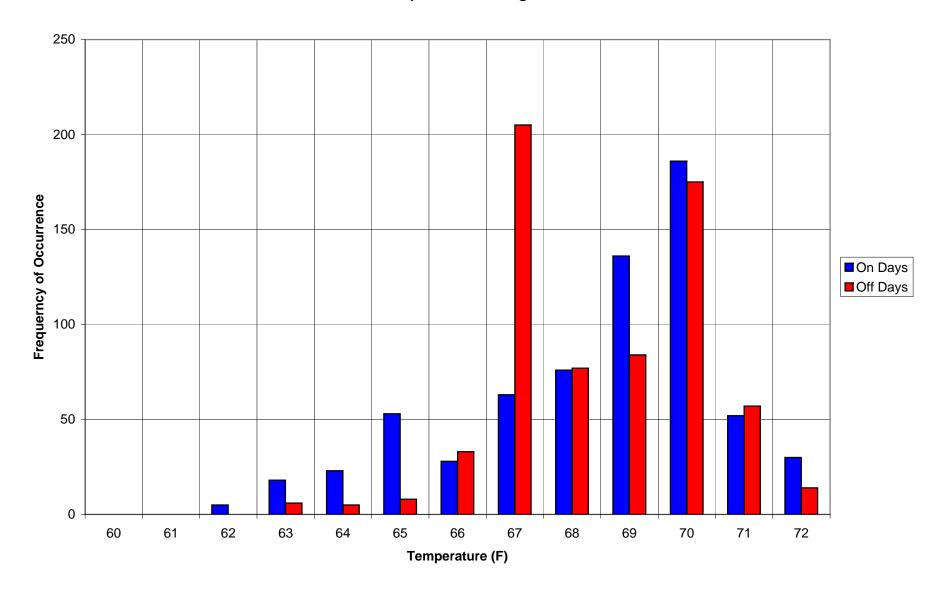




#### **Solar Influence Probabilities**



## **Temperature Histogram**



#### **Solar Influence Probabilities**

