THE MADISON ENERGY GROUP

ENERGY EFFICIENCY SOLUTIONS

Case Study:

THE MADISON ENERGY GROUP
ENERGY EFFICIENCY SOLUTIONS

Proof of Concept Protocol

Purpose: Demonstrate product performance on specified equipment at multiple pre-determined locations.

Measure Baseline Data:

I. Identify equipment
II. Ensure unit is operating properly (normal duty cycle, no visible ice, reaches set point)
III. Ensure thermostat is accessible and compatible
IV. Ensure compressor motor is accessible for data logger connection
V. Record unit information: Type, Mfg, Model #

Compressor Power Source:

I. At the compressor
    i. Single phase (hot lead)
    ii. 3 Phase (1 of 3 hot leads)
II. Locate power rating (amperage/voltage) on compressor nameplate
III. Record on datasheet; Phase, Volts and Amps
IV. Record pilot start date/time on datasheet

Record Baseline Data:

I. Install Dent TOU CT Logger or EKM Omni-meter V.3
II. Record Baseline Data – 7 days
III. Validate baseline data

Measure Performance Data:

I. Install Madison technology
II. Record install start date/time
III. Record Performance Data – 7 days
IV. Validate Performance Data
V. Record pilot ending date/time
VI. Analyze results

EnerG² reduces energy consumption and compressor cycles in walk-in coolers and freezers by providing a more accurate means of temperature measurement through a specialized gel compound that simulates the food product temperature instead of the air temperature which fluctuates with more volatility. It retrofits to the existing thermostat air probe and requires no additional maintenance.

Guaranteed to Reduce Energy Costs 15 – 30%
Reduces Compressor Cycles by 40 – 60%
Prevents Wear and Tear
Extends Life of Equipment
12 Month ROI
Green Restaurant Association Endorsed
Reduced CO2 Emissions – Go Green!
Lifetime Warranty

EnerG² is a device that was developed by The Madison Energy Group and contains a non-toxic, food safe gel compound that has similar thermal properties to that of food and beverage. It is therefore, not subject to the same wider and more volatile standard of deviation in temperature that air is. The technology of EnerG² is based on the fact that food and beverage products contain significantly differently thermal properties than air. This means that their temperatures rise and fall at different rates and at different intervals. This causes inefficiency in operation because typical measurement is of the environment (air) and not the actual food and beverage product. Air, having very little density, fluctuates with more volatility thereby causing the coolers to engage in cooling cycles unnecessarily, while EnerG² simulates the stable temperature curve of food product and allows the cooler to operate only when it needs to.

When applied, EnerG² easily retrofits over the external air probe in commercial coolers and freezers and converts the temperature measurement from the ambient air temperature to that of food and beverage temperature. We are now measuring the *intended target of measurement* of food and beverage temperature instead of the immediate environment surrounding the thermostat. This creates an inherently more efficient scenario and results in an average energy reduction of 15-30%. EnerG² is also effective at reducing carbon emissions by several thousand pounds annually. It also increases food safety by maintaining more stable temperature ranges and reduces maintenance costs on equipment by minimizing unnecessary compressor cycles.

HMS Engineering Ltd.

Phillip Stewart
Engineering Consultant

Background and Qualifications for Energy Analysis

Mr. Stewart joined the US Military in 1982 and became a marine engineer involved with mechanical, electrical and structural engineering. After completing his military tour in 1990, he was recruited by Walt Disney World as a Control Specialist and Engineer. During that period Mr. Stewart became extremely interested in energy management systems. After opening Pleasure Island, MGM Studios, Disney Vacation Club, he realized that it was time for new growth in my life and joined Florida's largest Service Company BGSI. Mr. Stewart became certified as a Master Engineer for Refrigeration and Food Equipment.

After years of international endeavours Mr. Stewart entered semi-retirement where he established his consulting company, HMS Engineering Ltd. in 2007.

As a Chief Engineer, Renewable Energy Consultant and Food Equipment expert, he continues to educate and assist many large companies on ways to reduce their energy consumption and increase their bottom line profits. Companies he has supported over the years include Sandals, Couples Resorts, Montego Bay Convention Centre, KFC, Wendy's, Burger King, Moes, Margaritaville, and many others.

The attached Baseline/Performance Test Report was prepared by Mr. Stewart and all findings are based on analysis of the raw data logger information collected onsite and provided to him.

I certify that neither I nor my company (HMS Ltd.) ever receive any compensation which correlates in any manner whatsoever to test report results and that the referenced report findings are accurate and unbiased.

Phillip Stewart

Chief Engineer
HMS Engineering Ltd.
Referenced Report No. __DD83018__ Dated __8/30/2018__

HMS Engineering

Client : The Madison Energy Group
5 Hargett St., 4th Floor
Raleigh, North Carolina 27601

Report Print Date: 30-Aug-18

Report No.: DD83018

Facility / Location: Dunkin Donuts

Room/Equip. Tested: Walk-in Cooler

Calculation Basis

Compressor Motor: HP: 0.3 Volts: 230 RLA: 8.0 Phase: 3

Power Consumption: 2.84 kW Electricity Rate: $0.17 per kWh

Operating Basis

	(Without EnerG²)	With EnerG²	Change	% Change
Projected Run Hours / Yr:	7,388	6,032	-1,356	-18.4%
Projected Cycles / Yr:	3,261	2,114	-1,147	-35.2%

Energy Use & Cost Savings per Month

	(Without EnerG²)	With EnerG²	Change	% Change
Operating Hours / Month:	616	503	-113	-18.4%
KWh / Month:	1,748	1,428	-321	-18.4%
Energy Cost / Month	$297	$243	-$55	-18.4%

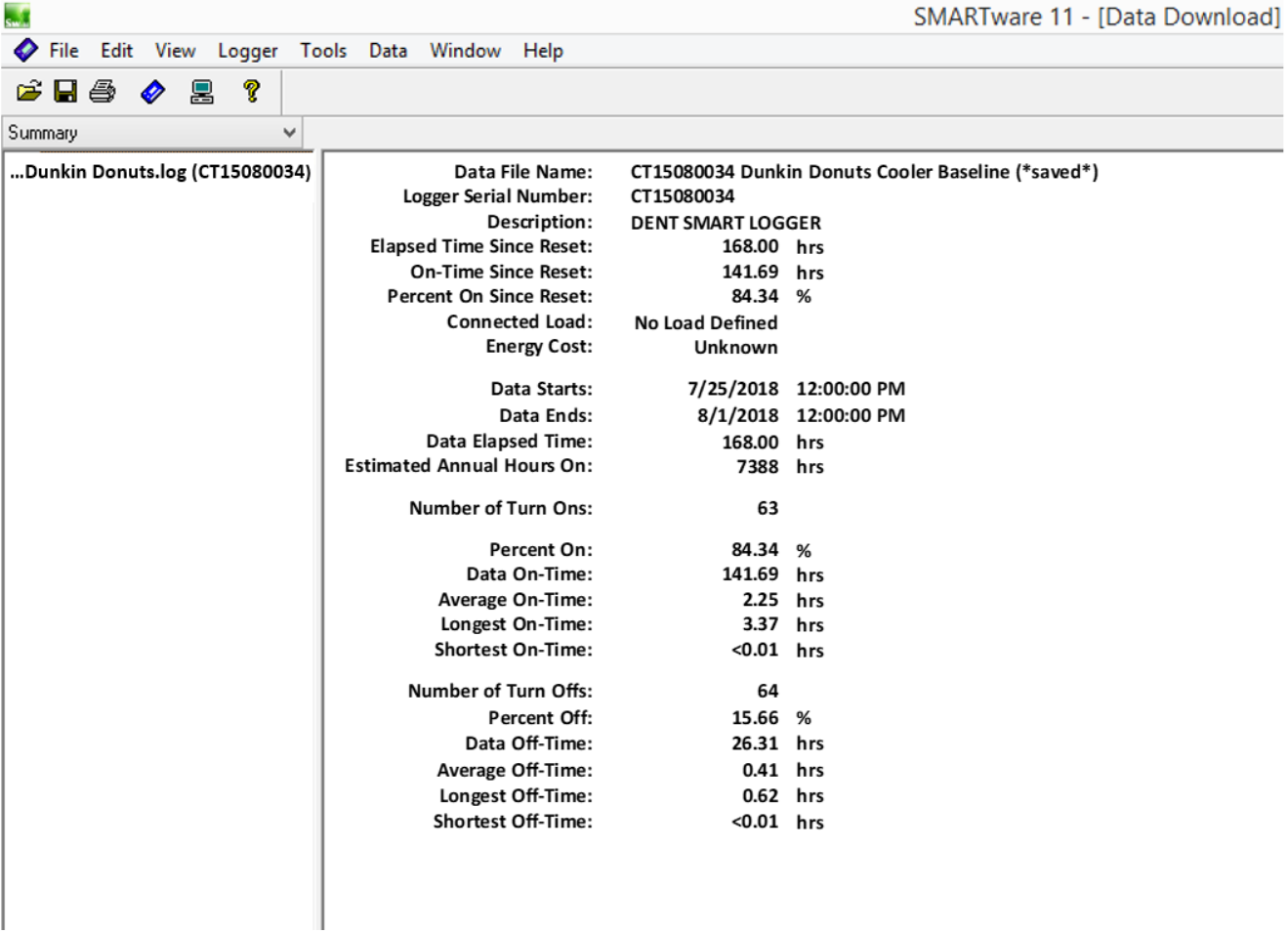
Mechanical Cost Savings per Month

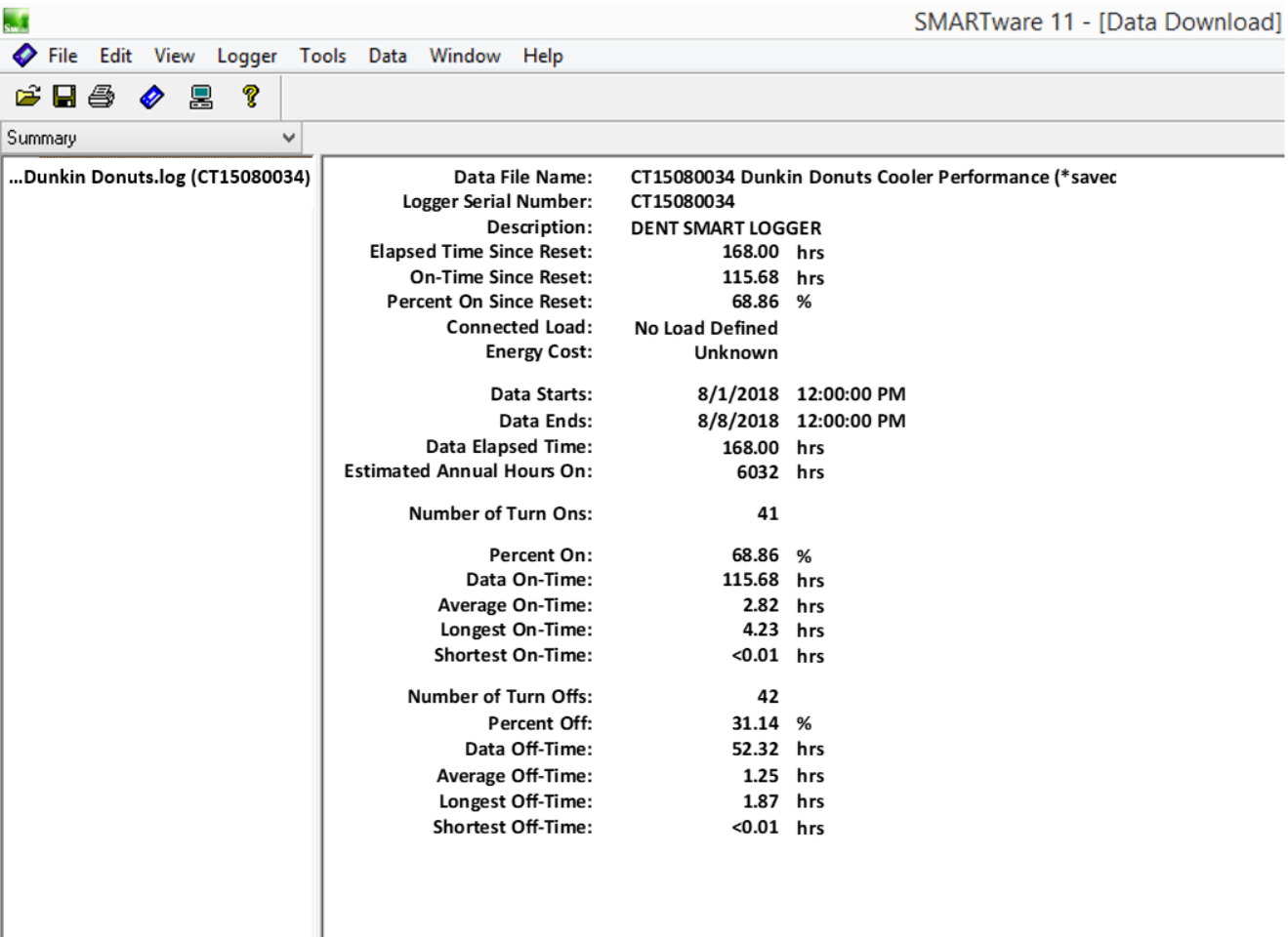
	(Without EnerG²)	With EnerG²	Change	% Change
Cycles / Month:	272	176	-96	-35.2%
Compressor Maintenance Cost/ Month:	$42	$27	-$15	-35.2%

Combined Energy and Mechanical Cost Savings

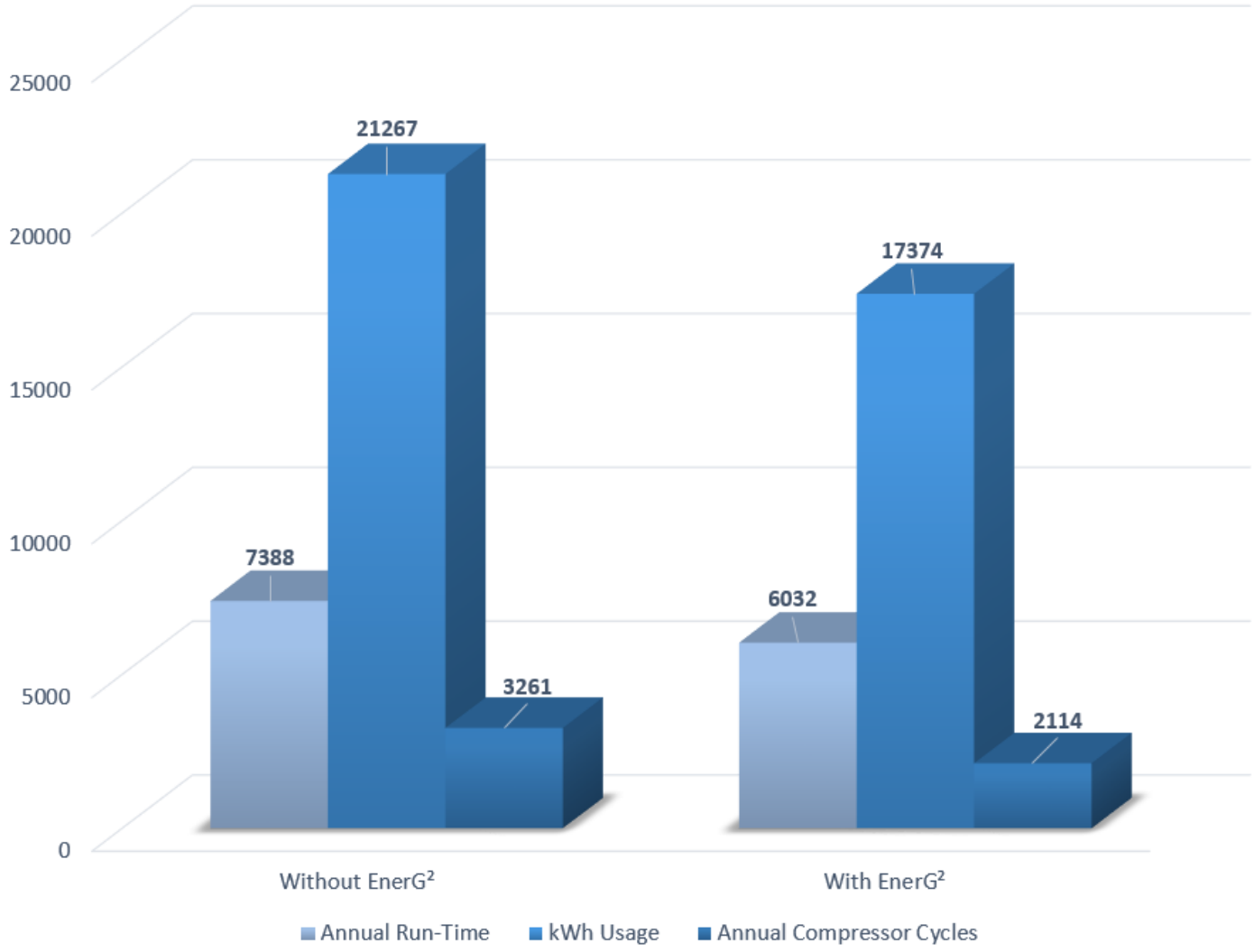
	(Without EnerG²)	With EnerG²	Change	% Change
Energy & Mechanical Cost / Month:	$339	$270	-$69	-20.4%
Energy & Mechanical Cost / Year:	$4,067	$3,236	-$830.54	-20.4%

EnerG² Return on Investment Months: 8.65


SMARTware 11 - [Data Download]
File Edit View Logger Tools Data Window Help
Summary
...Dunkin Donuts.log (CT15080034)
Data File Name: CT15080034 Dunkin Donuts Cooler Baseline (*saved*)
Logger Serial Number: CT15080034
Description: DENT SMART LOGGER
Elapsed Time Since Reset: 168.00 hrs
On-Time Since Reset: 141.69 hrs
Percent On Since Reset: 84.34 %
Connected Load: No Load Defined
Energy Cost: Unknown
Data Starts: 7/25/2018 12:00:00 PM
Data Ends: 8/1/2018 12:00:00 PM
Data Elapsed Time: 168.00 hrs
Estimated Annual Hours On: 7388 hrs
Number of Turn Ons: 63
Percent On: 84.34 %
Data On-Time: 141.69 hrs
Average On-Time: 2.25 hrs
Longest On-Time: 3.37 hrs
Shortest On-Time: <0.01 hrs
Number of Turn Offs: 64
Percent Off: 15.66 %
Data Off-Time: 26.31 hrs
Average Off-Time: 0.41 hrs
Longest Off-Time: 0.62 hrs
Shortest Off-Time: <0.01 hrs


SMARTware 11 - [Data Download]
File Edit View Logger Tools Data Window Help
Summary
...Dunkin Donuts.log (CT15080034)
Data File Name: CT15080034 Dunkin Donuts Cooler Performance (*savec
Logger Serial Number: CT15080034
Description: DENT SMART LOGGER
Elapsed Time Since Reset: 168.00 hrs
On-Time Since Reset: 115.68 hrs
Percent On Since Reset: 68.86 %
Connected Load: No Load Defined
Energy Cost: Unknown
Data Starts: 8/1/2018 12:00:00 PM
Data Ends: 8/8/2018 12:00:00 PM
Data Elapsed Time: 168.00 hrs
Estimated Annual Hours On: 6032 hrs
Number of Turn Ons: 41
Percent On: 68.86 %
Data On-Time: 115.68 hrs
Average On-Time: 2.82 hrs
Longest On-Time: 4.23 hrs
Shortest On-Time: <0.01 hrs
Number of Turn Offs: 42
Percent Off: 31.14 %
Data Off-Time: 52.32 hrs
Average Off-Time: 1.25 hrs
Longest Off-Time: 1.87 hrs
Shortest Off-Time: <0.01 hrs

CT15080034 Data Graph Series | Dunkin Donuts



Serial Number: CT15080034
Description: DENT SMART LOGGER
On-Time Since Reset: 257.37 hrs
Off-Time Since Reset: 78.63 hrs

Date	TOU/Day (hrs)
Wednesday, July 25, 2018	11.33
Thursday, July 26, 2018	19.89
Friday, July 27, 2018	20.97
Saturday, July 28, 2018	18.82
Sunday, July 29, 2018	19.56
Monday, July 30, 2018	21.49
Tuesday, July 31, 2018	19.86
Wednesday, August 1, 2018	19.54
Thursday, August 2, 2018	16.80
Friday, August 3, 2018	16.51
Saturday, August 4, 2018	15.39
Sunday, August 5, 2018	14.99
Monday, August 6, 2018	16.81
Tuesday, August 7, 2018	16.90
Wednesday, August 8, 2018	8.51

HMS Engineering

Client : The Madison Energy Group
5 Hargett St., 4th Floor
Raleigh, North Carolina 27601

Report Print Date: 30-Aug-18

Report No.: DD83018

Facility / Location: Dunkin Donuts

Room/Equip. Tested: Walk-in Freezer

Calculation Basis

Compressor Motor: HP: 0.3 Volts: 230 RLA: 12.0 Phase: 3

Power Consumption: 2.84 kW Electricity Rate: $0.17 per kWh

Operating Basis

	(Without EnerG²)	With EnerG²	Change	% Change
Projected Run Hours / Yr:	7,657	5,974	-1,683	-22.0%
Projected Cycles / Yr:	2,158	1,218	-940	-43.6%

Energy Use & Cost Savings per Month

	(Without EnerG²)	With EnerG²	Change	% Change
Operating Hours / Month:	638	498	-140	-22.0%
KWh / Month:	1,812	1,414	-398	-22.0%
Energy Cost / Month	$308	$240	-$68	-22.0%

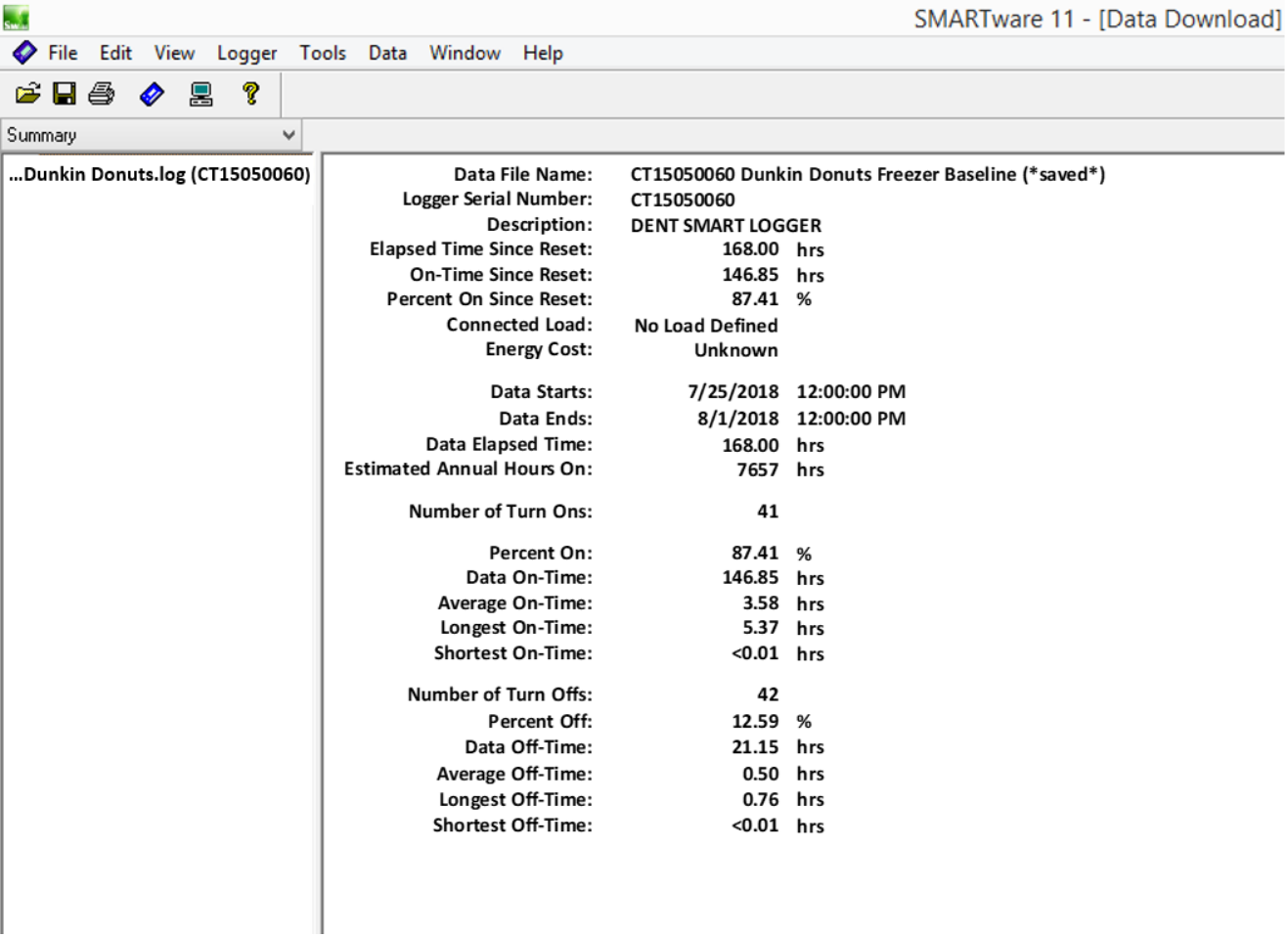
Mechanical Cost Savings per Month

	(Without EnerG²)	With EnerG²	Change	% Change
Cycles / Month:	180	102	-78	-43.6%
Compressor Maintenance Cost/ Month:	$42	$24	-$18	-43.6%

Combined Energy and Mechanical Cost Savings

	(Without EnerG²)	With EnerG²	Change	% Change
Energy & Mechanical Cost / Month:	$350	$264	-$86	-24.6%
Energy & Mechanical Cost / Year:	$4,197	$3,166	-$1,030.35	-24.6%

EnerG² Return on Investment Months: 6.98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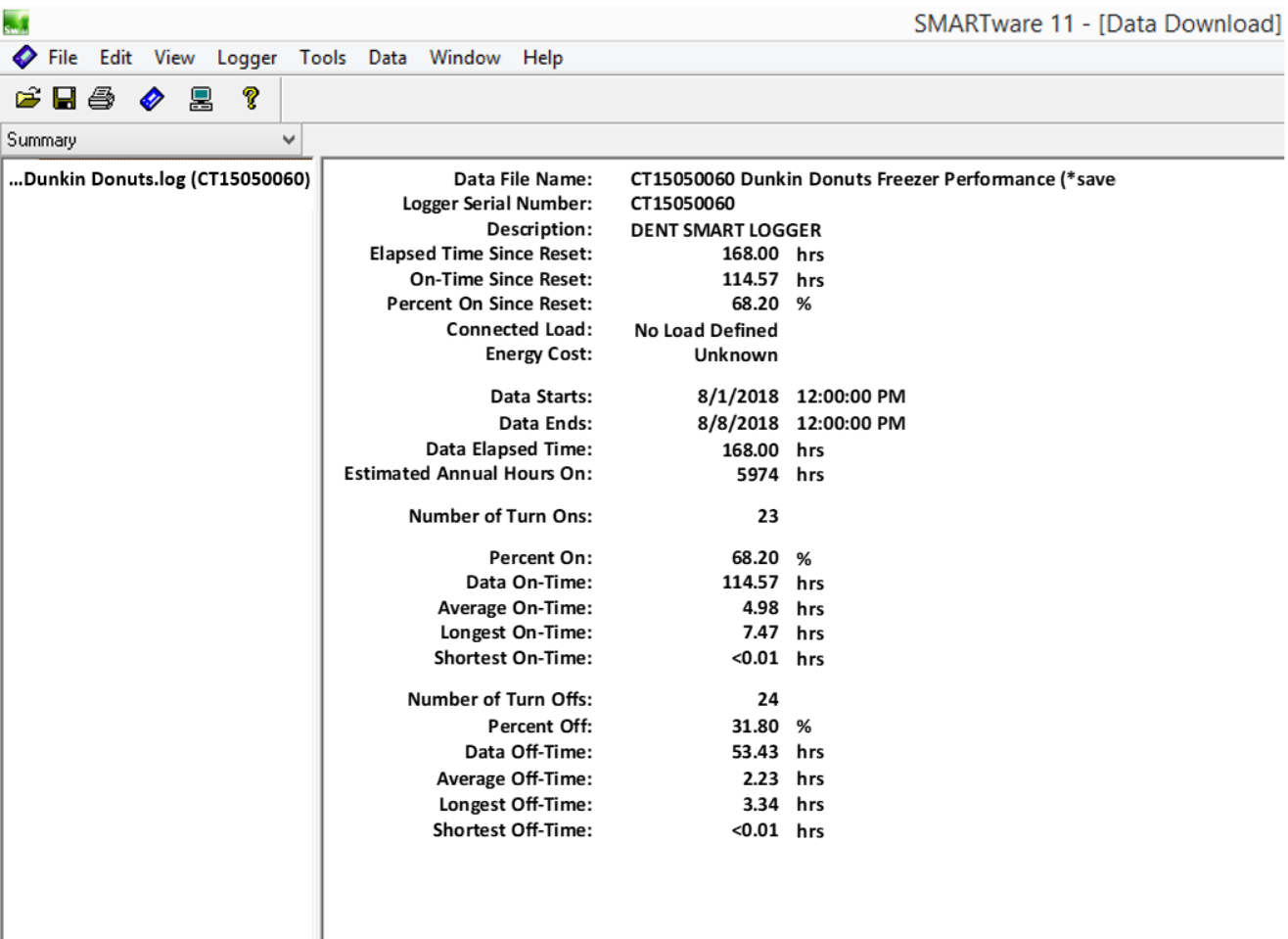
File Edit View Logger Tools Data Window Help
Summary
...Dunkin Donuts.log (CT15050060)
Data File Name: CT15050060 Dunkin Donuts Freezer Baseline (*saved*)
Logger Serial Number: CT15050060
Description: DENT SMART LOGGER
Elapsed Time Since Reset: 168.00 hrs
On-Time Since Reset: 146.85 hrs
Percent On Since Reset: 87.41 %
Connected Load: No Load Defined
Energy Cost: Unknown
Data Starts: 7/25/2018 12:00:00 PM
Data Ends: 8/1/2018 12:00:00 PM
Data Elapsed Time: 168.00 hrs
Estimated Annual Hours On: 7657 hrs
Number of Turn Ons: 41
Percent On: 87.41 %
Data On-Time: 146.85 hrs
Average On-Time: 3.58 hrs
Longest On-Time: 5.37 hrs
Shortest On-Time: <0.01 hrs
Number of Turn Offs: 42
Percent Off: 12.59 %
Data Off-Time: 21.15 hrs
Average Off-Time: 0.50 hrs
Longest Off-Time: 0.76 hrs
Shortest Off-Time: <0.01 hrs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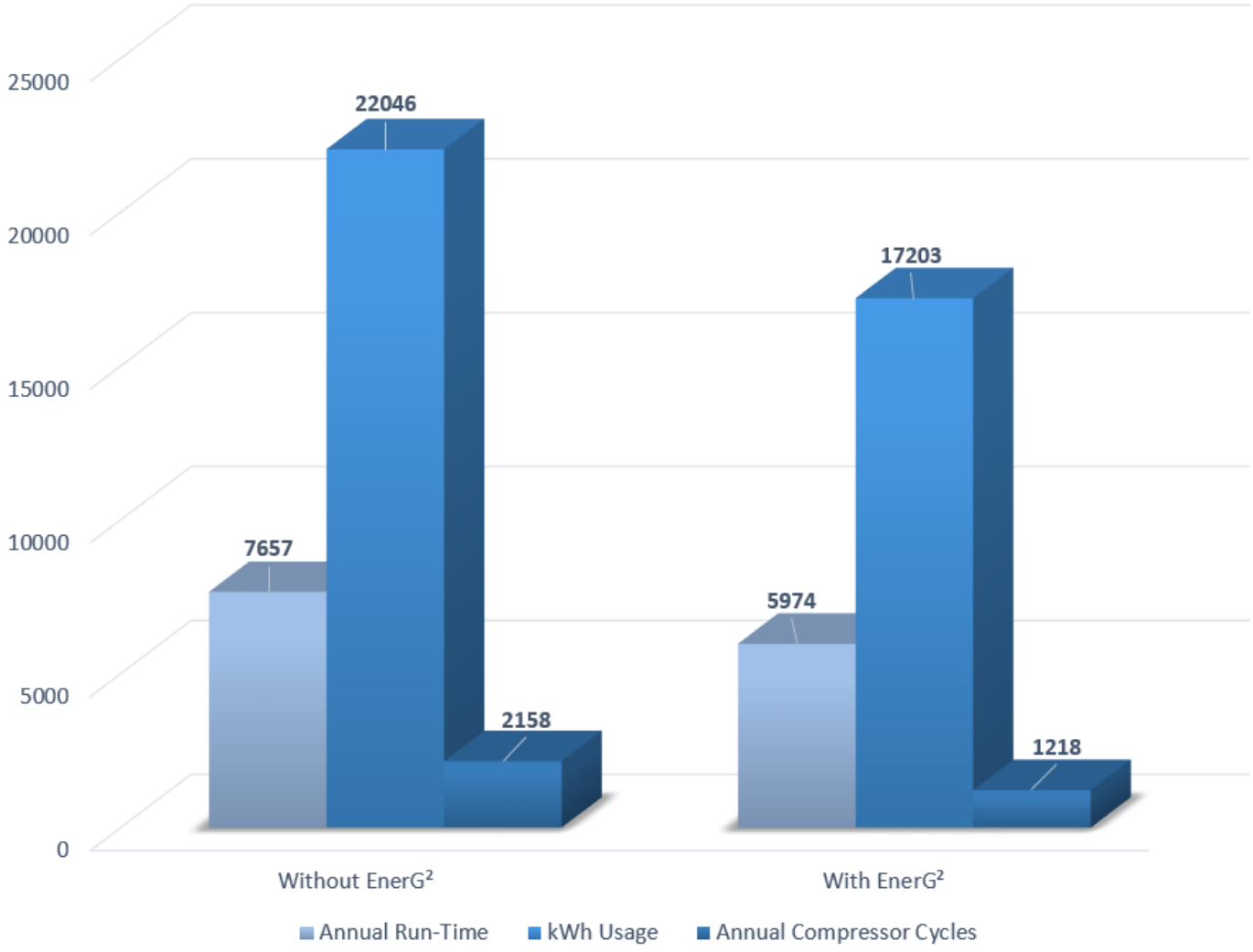
File Edit View Logger Tools Data Window Help
Summary
...Dunkin Donuts.log (CT15050060)
Data File Name: CT15050060 Dunkin Donuts Freezer Performance (*save
Logger Serial Number: CT15050060
Description: DENT SMART LOGGER
Elapsed Time Since Reset: 168.00 hrs
On-Time Since Reset: 114.57 hrs
Percent On Since Reset: 68.20 %
Connected Load: No Load Defined
Energy Cost: Unknown
Data Starts: 8/1/2018 12:00:00 PM
Data Ends: 8/8/2018 12:00:00 PM
Data Elapsed Time: 168.00 hrs
Estimated Annual Hours On: 5974 hrs
Number of Turn Ons: 23
Percent On: 68.20 %
Data On-Time: 114.57 hrs
Average On-Time: 4.98 hrs
Longest On-Time: 7.47 hrs
Shortest On-Time: <0.01 hrs
Number of Turn Offs: 24
Percent Off: 31.80 %
Data Off-Time: 53.43 hrs
Average Off-Time: 2.23 hrs
Longest Off-Time: 3.34 hrs
Shortest Off-Time: <0.01 hrs

CT15050060 Data Graph Series | Dunkin Donuts



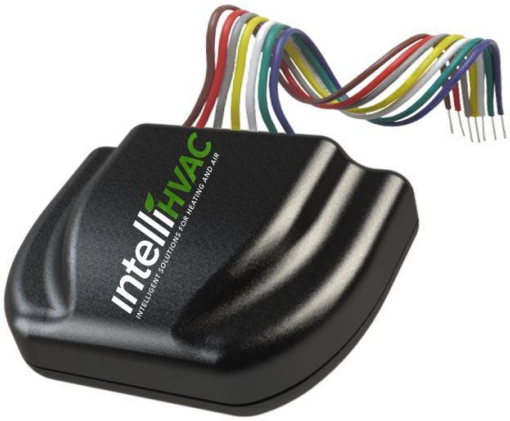
Serial Number: CT15050060
Description: DENT SMART LOGGER
On-Time Since Reset: 261.42 hrs
Off-Time Since Reset: 74.58 hrs

Date	TOU/Day (hrs)
Wednesday, July 25, 2018	11.48
Thursday, July 26, 2018	21.20
Friday, July 27, 2018	22.11
Saturday, July 28, 2018	19.91
Sunday, July 29, 2018	19.87
Monday, July 30, 2018	21.63
Tuesday, July 31, 2018	20.85
Wednesday, August 1, 2018	19.60
Thursday, August 2, 2018	15.42
Friday, August 3, 2018	16.23
Saturday, August 4, 2018	15.17
Sunday, August 5, 2018	14.69
Monday, August 6, 2018	16.69
Tuesday, August 7, 2018	17.45
Wednesday, August 8, 2018	9.12

intelliHVAC

INTELLIGENT SOLUTIONS FOR HEATING AND AIR

IntelliHVAC reduces energy consumption in HVAC units through efficient fan control and compressor cycling. The combination of these two technologies optimizes performance by allowing the fans, which use 8 to 15 times less energy than the compressors to capture latent energy that would otherwise be lost. It is retrofitted at the 24 volt terminal and requires no additional maintenance.



Guaranteed to Reduce Energy Costs 10 – 30%
Reduces Compressor Cycles by 20%
Prevents Wear and Tear
Extends Life of Equipment
12 - 18 Month ROI
Reduced CO2 Emissions – Go Green!
Lifetime Warranty

IntelliHVAC is a dual microprocessor technology that easily retrofits to any existing central air HVAC system. It contains both a *post-purge* and *compressor cycle functions* that work together to create a significantly more efficient environment within the system. The inefficiency and therefore *opportunity* is that there is still latent cold energy on the coil or heat energy in the exchanger and this energy is wasted as it dissipates within the system. IntelliHVAC captures this excess energy through its *post-purge function*. This process is known as latent recovery and has been verified by numerous utility companies.

When the HVAC system reaches set point, IntelliHVAC will extend and optimize the fan run-time based on the previous compressor cycle to ensure that the latent hot or cold energy has been captured and that all of that air is circulated all the way through the duct system so that it is not wasted. IntelliHVAC continues to monitor the system and adjust the post purge cycle based on its proven algorithm.

IntelliHVAC also has a *compressor cycle function* that increases the overall energy savings cycling the compressor off for 5 minutes for every 25 minutes of continuous run-time. This allows the fan, which uses 8 to 15 less energy than the compressor to capture the latent energy from the coil or heat exchanger. IntelliHVAC will run the fan for the equivalent amount of time that the compressor is off to ensure that air continues to circulate and there are no negative effects to the indoor air temperature quality.

Tower Engineering
Craig Andes
Owner / HVAC Engineer

J. Craig Andes, MBA

With close to 40 years of experience, Mr. Andes has been an industry veteran since 1977 and has a keen eye toward efficiency for his customers. Mr. Andes has owned and operated numerous businesses including several mechanical companies, an insulating company, has built numerous structures, and has directed large service-oriented companies. Mr. Andes has also been hired as a consultant by several companies to assist them in their growth and process management.

Currently Mr. Andes owns and operates Tower Engineering in the Raleigh, NC metro market.

After earning his MBA at Union University in Jackson, TN, Mr. Andes is able to merge the real-world practical side of HVAC with financial feasibility and ROI making for good common-sense guidance.

With regard to Madison Energy Group, Mr. Andes serves as an independent, 3rd party consultant and assists the company specifically with the IntelliHVAC technology. Mr. Andes has help Madison Energy consult with companies such as McDonalds, Dominos, Darden Restaurants, CBL Properties, and others in helping them to understand the mechanics of their systems as well as the benefits of the IntelliHVAC technology. Mr. Andes also manages the analysis of data from pilot programs and reporting on behalf of Madison.

The attached reporting is hereby approved and certified by Mr. Andes as accurate in its entirety. Mr. Andes is not compensated in any manner that is based on test results.

J. Craig Andes

Tower Engineering
Owner / HVAC Engineer
Date: 8/31/2018

Report Date:	8/31/2018

Craig Andes
HVAC Engineering Contractor

On Behalf of:	The Madison Energy Group
For Client:	Dunkin Donuts

Kwh Rate:	0.17

Location: **Dunkin Donuts**

		Start Date	Install Date	Time	Baseline kWh Consumed	End Date	Time	Performance kWh Consumed
Area:	RTU 1	7/25/2018	8/1/2018	12:00PM	**1,088.2**	8/8/2018	12:00 PM	**837.4**
Meter #	15561							
				kWh/Month	4,663.71		**kWh/Month**	3,588.86
				kWh/Yr	56,741.86		**kWh/Yr**	43,664.43

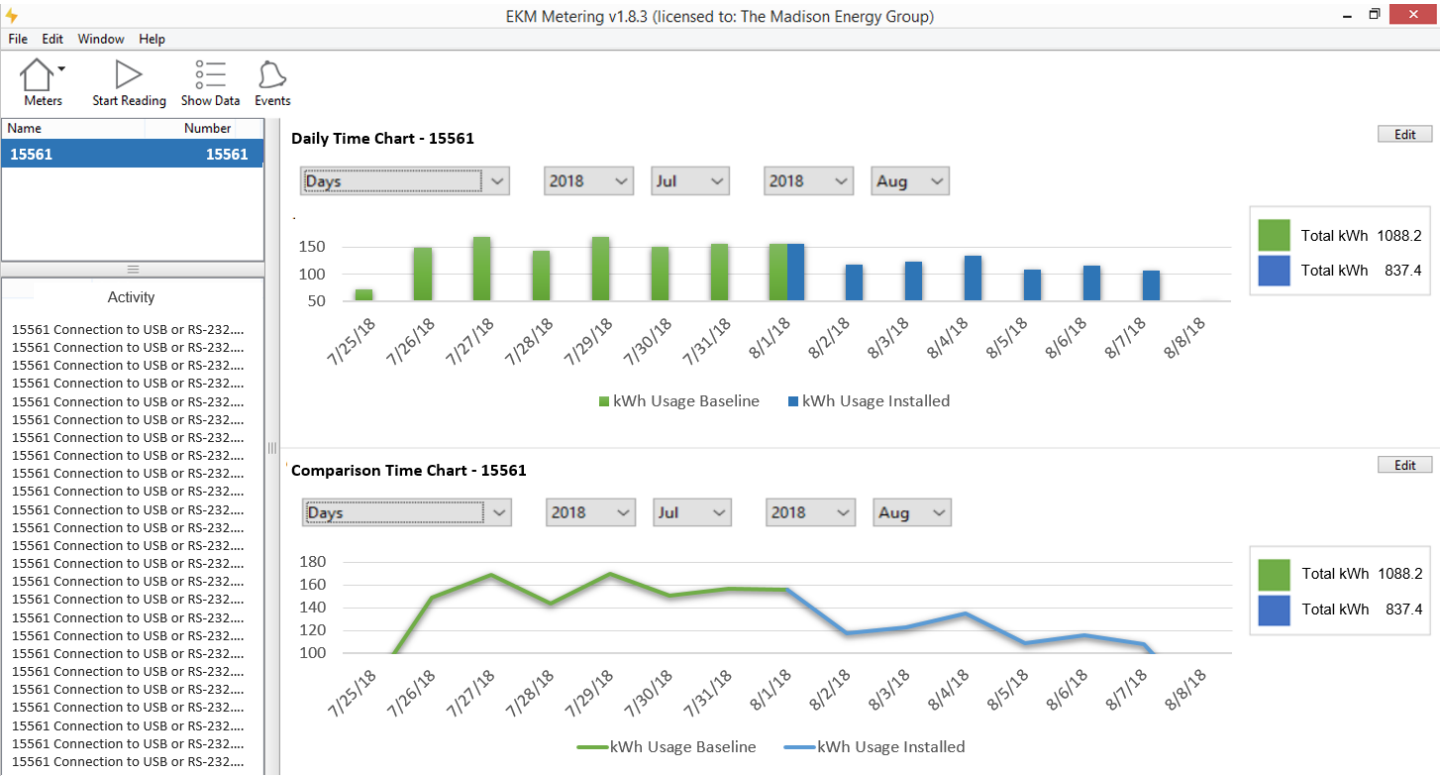
RTU 1 Summary		
kWh Diff./Period		250.8
kWh Diff./Yr		13,077.43
% Change		23%
Savings/Yr	$	2,223.16

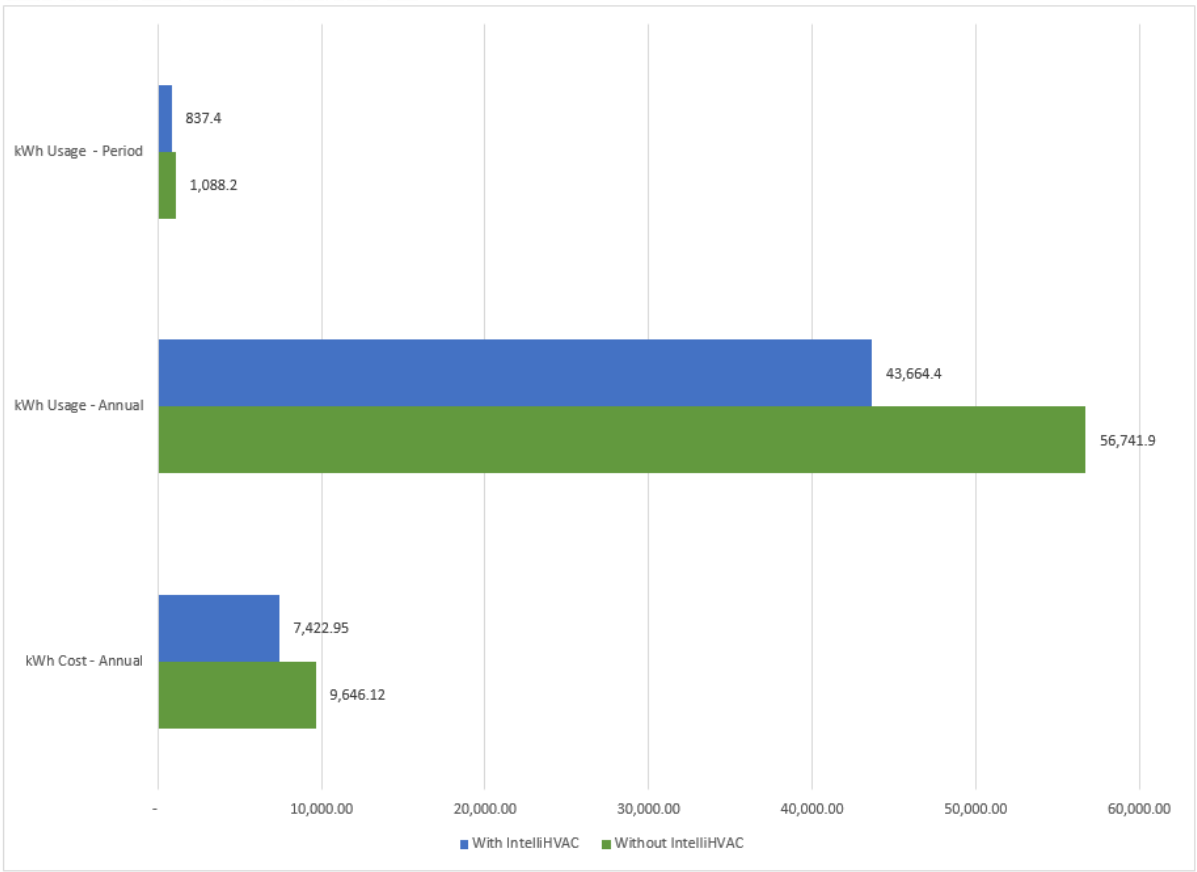
Location: **Dunkin Donuts**

		Start Date	Install Date	Time	Baseline kWh Consumed	End Date	Time	Performance kWh Consumed
Area:	RTU 2	7/25/2018	8/1/2018	12:00PM	**1,214.9**	8/8/2018	12:00PM	**908.6**
Meter #	15576							
				kWh/Month	5,206.71		**kWh/Month**	3,894.00
				kWh/Year	63,348.36		**kWh/Year**	47,377.00

RTU 2 Summary		
kWh Diff./Period		306.30
kWh Diff./Yr		15,971.36
% Change		25%
Savings/Yr	$	2,715.13

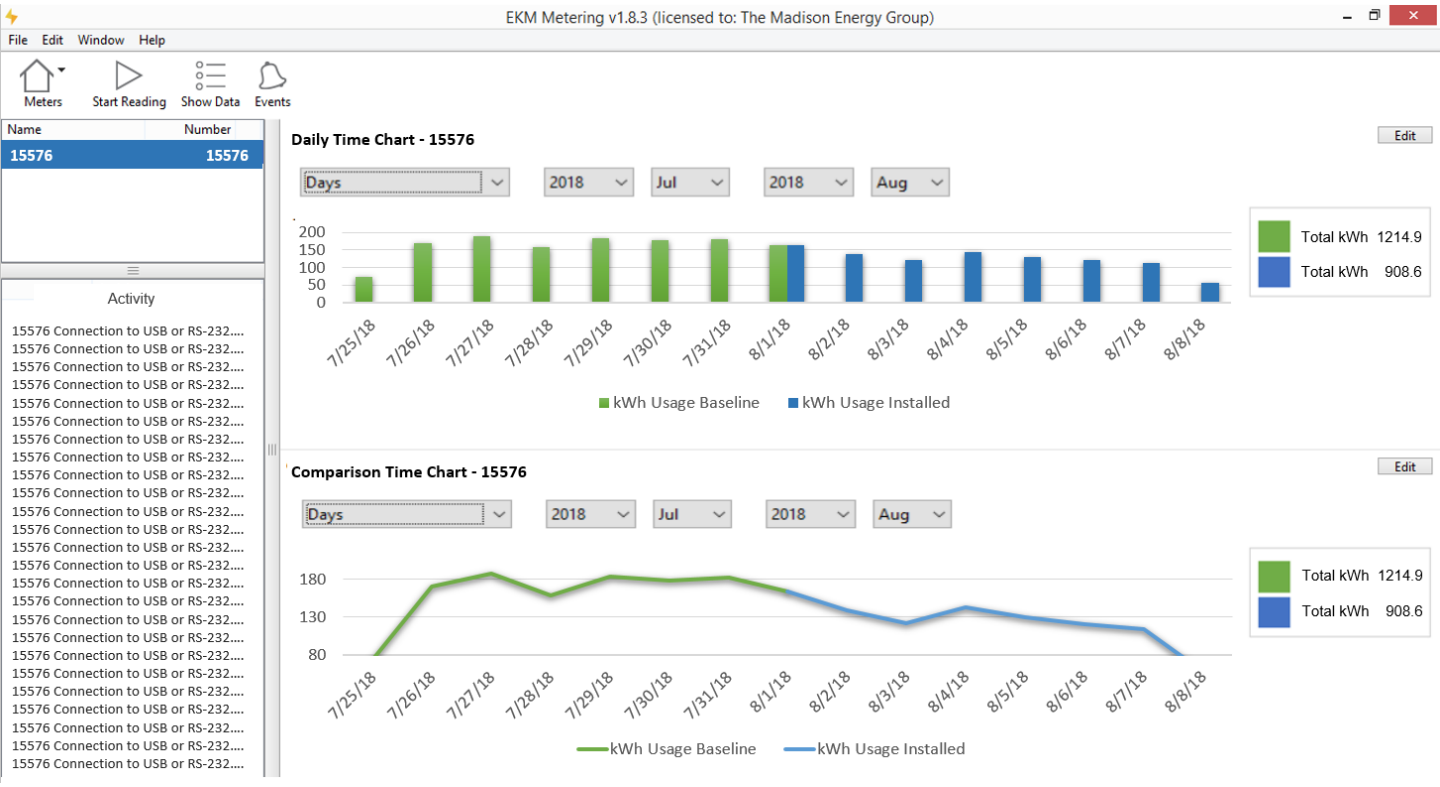
Project Summary			
Total kWh/Yr Reduced		29,048.79	
Average Annual Savings	$	2,469.15	
Normalized for Season	$	1,514.41	
Projected ROI		7.92	**Months**

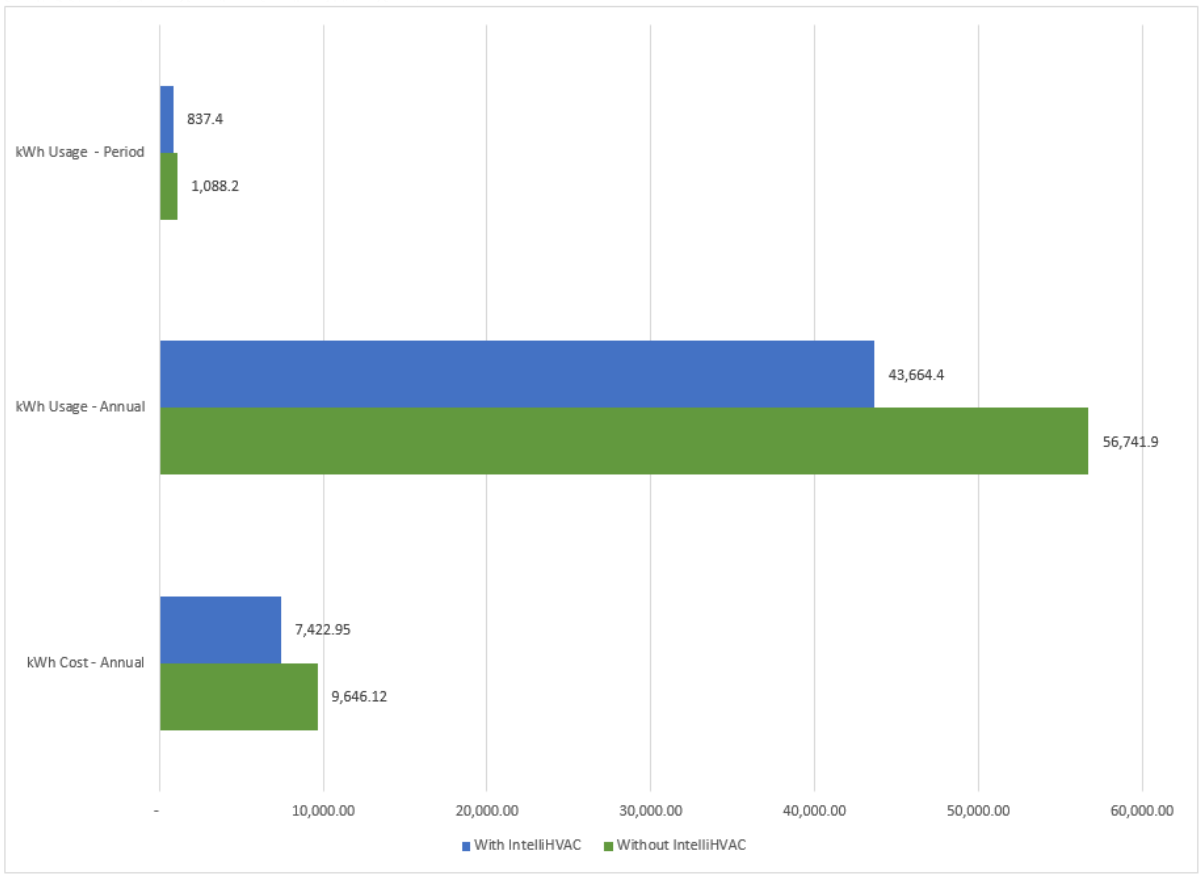

EKM Metering v1.8.3 (licensed to: The Madison Energy Group)
File Edit Window Help
Meters
Start Reading
Show Data
Events
Name
Number
15561
15561
Activity
15561 Connection to USB or RS-232....
Daily Time Chart - 15561
Edit
Days
2018
Jul
2018
Aug
150
100
50
7/25/18
7/26/18
7/27/18
7/28/18
7/29/18
7/30/18
7/31/18
8/1/18
8/2/18
8/3/18
8/4/18
8/5/18
8/6/18
8/7/18
8/8/18
Total kWh 1088.2
Total kWh 837.4
kWh Usage Baseline
kWh Usage Installed
Comparison Time Chart - 15561
Edit
Days
2018
Jul
2018
Aug
180
160
140
120
100
Total kWh 1088.2
Total kWh 837.4
kWh Usage Baseline
kWh Usage Installed


EKM METERING
kWh Usage - Period
837.4
1,088.2
kWh Usage - Annual
43,664.4
56,741.9
kWh Cost - Annual
7,422.95
9,646.12
-
10,000.00
20,000.00
30,000.00
40,000.00
50,000.00
60,000.00
With IntelliHVAC
Without IntelliHVAC

EKM-OmniMeter v.3
Dunkin Donuts RTU 1 LogFile
Total kWh Usage for Period: 1925.6

Date	Kilowatt Hour	Avg. Voltage	Avg. Amps	Avg. Watts	Avg. Cosî¸ (Power Factor)
7/25/2018	71.5	121.9	25.2	1898	LO.85
7/26/2018	148.8	121.7	25.4	2540	LO.86
7/27/2018	169.2	123.2	26.2	2524	LO.86
7/28/2018	143.7	123.2	24.8	2542	LO.86
7/29/2018	170	123.0	24.6	2574	LO.87
7/30/2018	150.5	122.3	24.6	2576	LO.88
7/31/2018	156.6	122.3	26.0	2524	LO.89
8/1/2018	155.7	123.4	25.2	2498	LO.86
8/2/2018	117.3	123.7	25.6	2464	LO.86
8/3/2018	122.6	121.9	24.0	2448	LO.85
8/4/2018	135.1	120.1	25.4	2456	LO.87
8/5/2018	109	121.0	25.6	2486	LO.87
8/6/2018	116	121.2	24.4	2494	LO.86
8/7/2018	107.8	121.9	24.4	2486	LO.87
8/8/2018	51.7	122.9	24.4	2488	LO.86


EKM Metering v1.8.3 (licensed to: The Madison Energy Group)
File Edit Window Help
Meters
Start Reading
Show Data
Events
Name
Number
15576
15576
Activity
15576 Connection to USB or RS-232....
Daily Time Chart - 15576
Edit
Days
2018
Jul
2018
Aug
200
150
100
50
0
7/25/18
7/26/18
7/27/18
7/28/18
7/29/18
7/30/18
7/31/18
8/1/18
8/2/18
8/3/18
8/4/18
8/5/18
8/6/18
8/7/18
8/8/18
Total kWh 1214.9
Total kWh 908.6
kWh Usage Baseline
kWh Usage Installed
Comparison Time Chart - 15576
Edit
Days
2018
Jul
2018
Aug
180
130
80
Total kWh 1214.9
Total kWh 908.6
kWh Usage Baseline
kWh Usage Installed


kWh Usage - Period
837.4
1,088.2
kWh Usage - Annual
43,664.4
56,741.9
kWh Cost - Annual
7,422.95
9,646.12
-
10,000.00
20,000.00
30,000.00
40,000.00
50,000.00
60,000.00
With IntelliHVAC
Without IntelliHVAC

EKM-OmniMeter v.3
Dunkin Donuts RTU 2 LogFile
Total kWh Usage for Period: 2123.4

Date	Kilowatt Hour	Avg. Voltage	Avg. Amps	Avg. Watts	Avg. Cosî¸ (Power Factor)
7/25/2018	73.4	120.4	25.2	2674	LO.87
7/26/2018	170.5	120.4	25.4	2674	LO.87
7/27/2018	187.9	121.6	25.2	2682	LO.87
7/28/2018	158.6	120.4	25.2	2686	LO.87
7/29/2018	182.9	120.6	25.2	2688	LO.87
7/30/2018	177.7	120.2	25.2	2692	LO.86
7/31/2018	182	121.4	25.2	2702	LO.86
8/1/2018	163.7	121.4	24.6	2698	LO.86
8/2/2018	139.4	121.8	24.6	2718	LO.86
8/3/2018	121.9	122.2	24.8	2718	LO.86
8/4/2018	142.7	122.2	24.2	2714	LO.86
8/5/2018	130.3	122.7	25.6	2732	LO.86
8/6/2018	120.2	122.2	25.8	2734	LO.86
8/7/2018	114.4	122.2	26.4	2730	LO.87
8/8/2018	57.8	122.2	26.4	2732	LO.86

The Madison Energy Group
ENERGY EFFICIENCY SOLUTIONS

Proof of Concept Performance Summary

Program Duration - 7/25/2018 - 8/8/2018

EnerG² Summary

Annual Savings - Cooler		$ 830.54		
Annual Savings - Freezer		$ 1,030.35		
Average Annual Savings per Unit		$ 930.45		
Projected Annual Savings for	120	units	$ 111,653.40	
Projected Savings Over 10 Years			$ 1,116,534.00	
Return on Investment			7.73	Months

IntelliHVAC Summary

Annual Savings - RTU 1		$ 2,223.16		
Annual Savings - RTU 2		$ 2,715.13		
Average Annual Savings per Unit		$ 2,469.15		
Annual Savings Normalized for Season		$ 1,514.41		
Projected Annual Savings for	90	units	$ 136,296.90	
Projected Savings Over 10 Years			$ 1,362,969.00	
Return on Investment			7.92	Months

Overall Summary of Performance

Annual Per Store Energy Savings	$ 4,132.51
Combined Monthly Energy Savings	$ 20,662.53
Combined Annual Energy Savings	$ 247,950.30
Combined Energy Savings Over 10 Years	$ 2,479,503.00
Cumulative Return on Investment/Months	8.37

MADISON ENERGY GROUP
ENERGY EFFICIENCY SOLUTIONS

Limited Lifetime Replacement Warranty

Guarantor: The Madison Energy Group, located at 5 West Hargett St. 4th Floor Raleigh, NC 27601 will fulfill and administer the obligations of this performance guarantee.

This performance guarantee certifies that The Madison Energy Group's (manufacturer) EnerG^2 will perform satisfactorily during the guarantee period in accordance with its original energy saving standards. If the unit is defective when received or becomes defective, it will be replaced in accordance with this Limited Lifetime Warranty/Performance Guarantee. Please call The Madison Energy Group at 919-443-2404 Option 2 if this occurs.

The performance guarantee does not cover negligent, fraudulent and/or intentional damage. If the EnerG^2 unit is damaged, another EnerG^2 unit will be sent immediately as a replacement. For coverage to be valid, the client must register with The Madison Energy Group and provide proof of purchase in the form of a paid invoice from either The Madison Energy Group or one of its qualified, contracted distributors. The unit must also e installed properly along with manufacturer specifications.

This performance guarantee is effective from the date of purchase, provided that adequate proof of purchase is maintained, the product is properly registered (see below) and the product is installed properly. The Madison Energy Group must be notified immediately of any defects in the unit with all records being made available for inspection. Defects will be verified. This guarantee is exclusive and in lieu of any other performance guarantee or warranty of merchantability or fitness for a particular purpose.

In no event shall The Madison Energy Group be liable for any special, indirect, incidental or consequential damages. This guarantee, covering the replacement of the EnerG^2 unit is void is the product covered by the guarantee has been subject to: intentional damage, alteration, tampering, acts of God and other insurance perils, faulty installation or claims covered by insurance or service contract. The coverage applies only to EnerG^2 and no other product. Claims not submitted in accordance with the terms and conditions of this guarantee are void. Damage by unreasonable or unintended use, neglect, improper service or other causes not arising of defects in material or workmanship are not covered.

To Make a Claim: For service please contact The Madison Energy Group support line at 919-443-2404

To Register: In order for coverage to be valid, you must register your EnerG^2 within 30 days of purchase at www.themadisonenergygroup.com. Coverage is non-transferable.

PHONE: 919-443-2404
FAX: 919-800-3700
INFO@THEMADISONENERGYGROUP.COM

5 WEST HARGETT ST. · 4TH FLOOR
RALEIGH, NC 27601
WWW.THEMADISONENERGYGROUP.COM

MADISON ENERGY GROUP
ENERGY EFFICIENCY SOLUTIONS

Limited Lifetime Replacement Warranty

Guarantor: The Madison Energy Group, located at 5 West Hargett St. 4th Floor Raleigh, NC 27601 will fulfill and administer the obligations of this performance guarantee.

This performance guarantee certifies that The Madison Energy Group's (manufacturer) IntelliHVAC will perform satisfactorily during the guarantee period in accordance with its original energy saving standards. If the unit is defective when received or becomes defective, it will be replaced in accordance with this Limited Lifetime Warranty/Performance Guarantee. Please call The Madison Energy Group at 919-443-2404 Option 2 if this occurs.

The performance guarantee does not cover negligent, fraudulent and/or intentional damage. If the IntelliHVAC unit is damaged, another IntelliHVAC unit will be sent immediately as a replacement. For coverage to be valid, the client must register with The Madison Energy Group and provide proof of purchase in the form of a paid invoice from either The Madison Energy Group or one of its qualified, contracted distributors. The unit must also e installed properly along with manufacturer specifications.

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