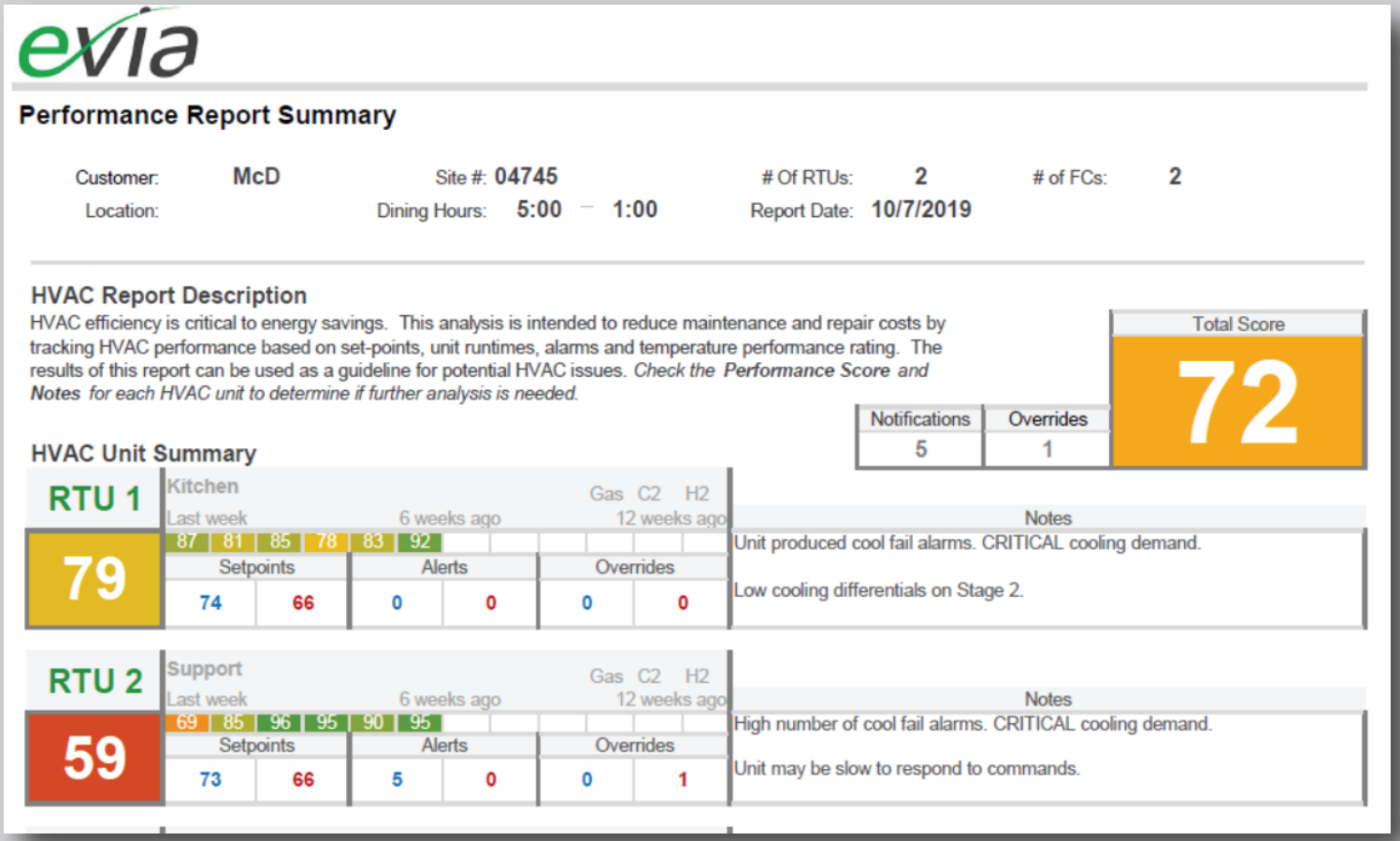
EVIA by EKTOS EFFICIENCY PERFORMANCE REPORTS

EVIA by EKTOS is developed on Schneider Electric EcoStruxure and provides comprehensive Efficiency Performance Reports designed for an in depth analysis of individual equipment performance as well as equipment alarms, staff requests for temperature adjustments, and energy consumption. The reports also offer recommendations to increase energy efficiency.



evia

Performance Report Summary

Customer: McD | Site #: 04745 | # Of RTUs: 2 | # of FCs: 2
Location: | Dining Hours: 5:00 – 1:00 | Report Date: 10/7/2019

HVAC Report Description

HVAC efficiency is critical to energy savings. This analysis is intended to reduce maintenance and repair costs by tracking HVAC performance based on set-points, unit runtimes, alarms and temperature performance rating. The results of this report can be used as a guideline for potential HVAC issues. *Check the* ***Performance Score*** *and* ***Notes*** *for each HVAC unit to determine if further analysis is needed.*

Notifications	Overrides	Total Score
5	1	72

HVAC Unit Summary

RTU 1 — Score: 79 — Kitchen — Gas C2 H2

Last week					6 weeks ago					12 weeks ago
87	81	85	78	83	92					

Setpoints		Alerts		Overrides	
74	66	0	0	0	0

Notes: Unit produced cool fail alarms. CRITICAL cooling demand. Low cooling differentials on Stage 2.

RTU 2 — Score: 59 — Support — Gas C2 H2

Last week					6 weeks ago					12 weeks ago
69	85	96	95	90	95					

Setpoints		Alerts		Overrides	
73	66	5	0	0	1

Notes: High number of cool fail alarms. CRITICAL cooling demand. Unit may be slow to respond to commands.

Freezer/Cooler Report

Score: 99

FC 1 — Score: 99 — Freezer

Last week					6 weeks ago					12 weeks ago
99	99	100	99	99	99					

High	Low	Average Temp	Setpoint
17	-9	-7	-5

Notes:

FC 2 — Score: 100 — Cooler

Last week					6 weeks ago					12 weeks ago
100	100	100	100	100	100					

High	Low	Average Temp	Setpoint
41	35	37	35

Notes: Consider changing setpoint

FOCUS YOUR ENERGY IN THE RIGHT PLACES

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FREEZER COOLER WEEKLY PERFORMANCE AND GRAPHING

Freezer/Cooler Report

Site #: 04745 Date: 10/7/2019 Unit: **Freezer**

Performance Grade
The unit performance grade is based on several key factors, seen in detail below. Starting from a grade of 100, each factor is weighed against the total score to generate a rating that highlights which units require the most attention for operational efficiency.

99
Score

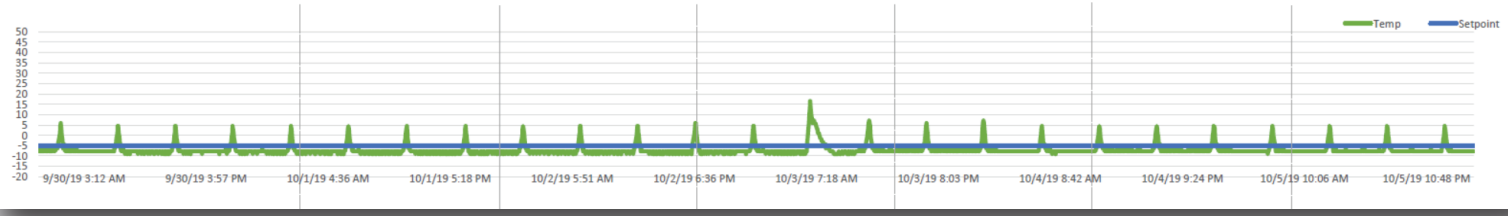
Setpoint	Notes	Score
-5		0

Average Temp.	Notes	Score
-7		-1

Highest Temperature: 17′

Average Temperature: -7′

Lowest Temperature: -9′



Freezer/Cooler Report

Site #: 04745 Date: 10/7/2019 Unit: **Cooler**

Performance Grade
The unit performance grade is based on several key factors, seen in detail below. Starting from a grade of 100, each factor is weighed against the total score to generate a rating that highlights which units require the most attention for operational efficiency.

100
Score

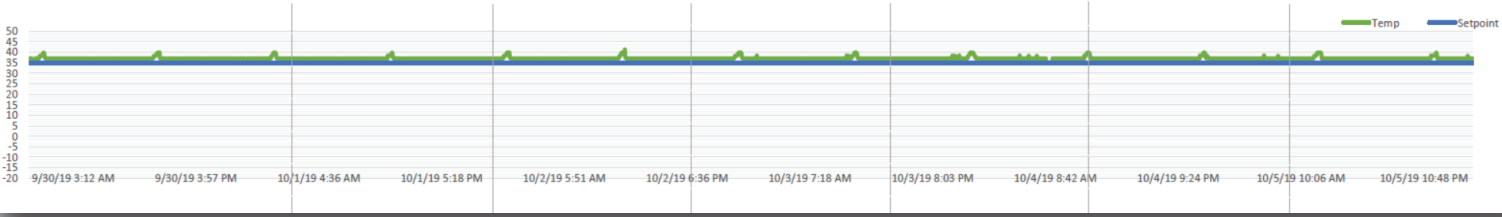
Setpoint	Notes	Score
35		0

Average Temp.	Notes	Score
37		0

Highest Temperature: 41′

Average Temperature: 37′

Lowest Temperature: 35′



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HVAC WEEKLY PERFORMANCE

Roof Top Unit

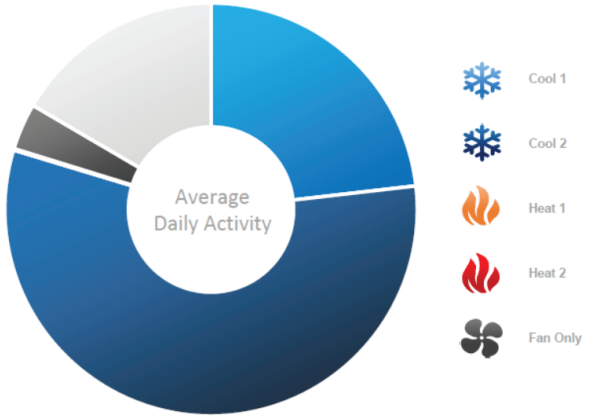
Site #: 04745 Date: 10/7/2019 Name: Kitchen Type: C2 H2 RTU #: 1

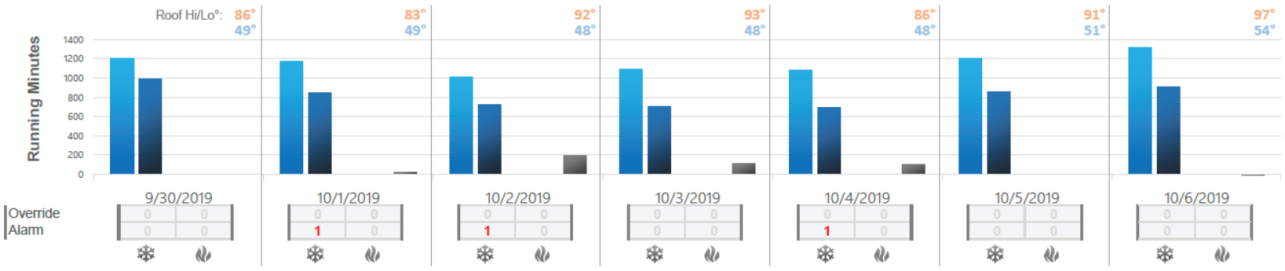
RTU Performance

The unit performance grade is based on several key factors, seen in detail below. Starting from a grade of 100, each factor is weighed against the total score to generate a rating that highlights which units require the most attention for operational efficiency.

79 Score

		Notes	Score
Setpoints			
74	66		0
Overrides			
0	0		0
Alarms			
3	0	Unit produced cool fail alarms.	-2
Unit Activity			
23.3%	0.0%	CRITICAL cooling demand.	-10
56.8%	0.1%		
Unit Performance			
13.3	0.0	Low cooling differentials on Stage 2.	-10
14.4	7.7		





Roof Top Unit

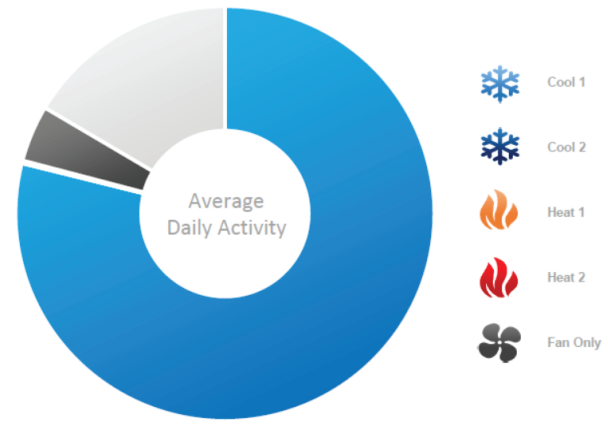
Site #: 04745 Date: 10/7/2019 Name: Support Type: C2 H2 RTU #: 2

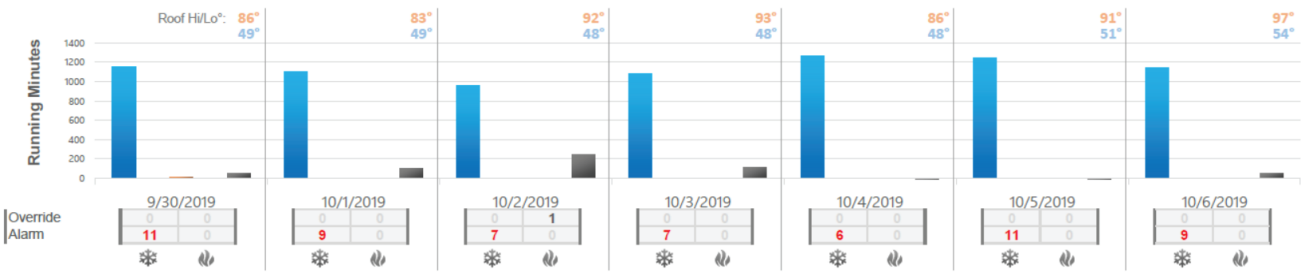
RTU Performance

The unit performance grade is based on several key factors, seen in detail below. Starting from a grade of 100, each factor is weighed against the total score to generate a rating that highlights which units require the most attention for operational efficiency.

59 Score

		Notes	Score
Setpoints			
73	66		0
Overrides			
0	1	Heat temperature override.	-1
Alarms			
60	0	High number of cool fail alarms.	-30
Unit Activity			
78.9%	0.2%	CRITICAL cooling demand.	-10
0.0%	0.0%		
Unit Performance			
9.0	8.7		0
0.0	0.0		





ENERGY CONSUMPTION AND DEMAND ANALYSIS

Energy Consumption

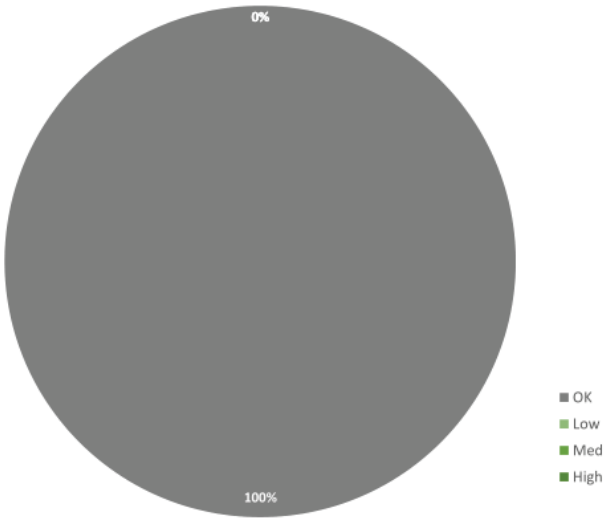
Site #: **04745** Date: **10/7/2019**

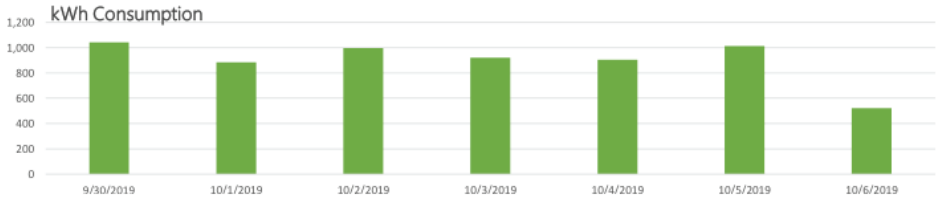
kW Demand

Evia measures electrical demand of the site over time, then uses historical data to regulate energy consumption during peak periods. As electrical demand approaches historical highs, Evia will react by temporarily enacting energy saving modes. These modes can save up to 10% of energy consumption and demand during peak hours.

Demand Setpoint	136

The pie chart (right) displays the amount of time this site experiences demand levels of low, medium and high. The demand setpoint (above) is the peak demand target that Evia sets for the site. This is typically 5-10% lower than the peak prior to Evia installation.





Evia also tracks the total power consumed by the site daily. Note: for this weekly report the consumption for the first and last day may be only partial days.

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