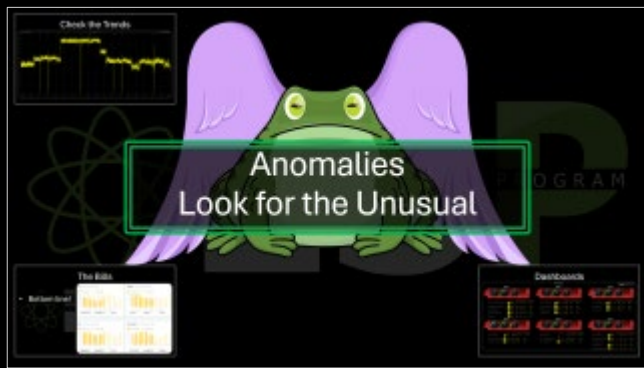




- **Setpoint Management**
- **Occupancy Scheduling**
- **Demand Control**
- **Benchmarking**

**SOMETIMES
THE OLD WAY
ARE THE
BEST WAYS**

Setpoint Variations
Building Setpoint 30 zones – 73°F
10 Zones 72°F – 14.3% More
10 Zones 70°F – 42% More
10 Zones 69°F – 57.1% More

Hours per Year - 8760
Churches – 1400
Schools – 1700
State Offices – 2000
Doctor's Offices - 2500



**EXPERIENCE
YOU CAN BANK
— ON —
EFFICIENCY YOU CAN SEE**

**EMBRACE
THE NEW**

- **New Technology**
- **Predictive Maintenance**
- **AI – No longer a Buzz Word**



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Building Knowledge Takes Time

- Seasonal Changes
- Occupancy Dynamics
- Maintenance Expertise
- Equipment Inventory



Behavior

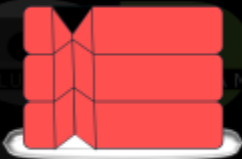
- 21- 66 Days to Change
- Information to the Masses
- Show Progress
- Positive Reinforcement



A Marathon – Not a Sprint

Layers

- Strategic Vision
- Tactical/Planning
- Execution
- Evaluation



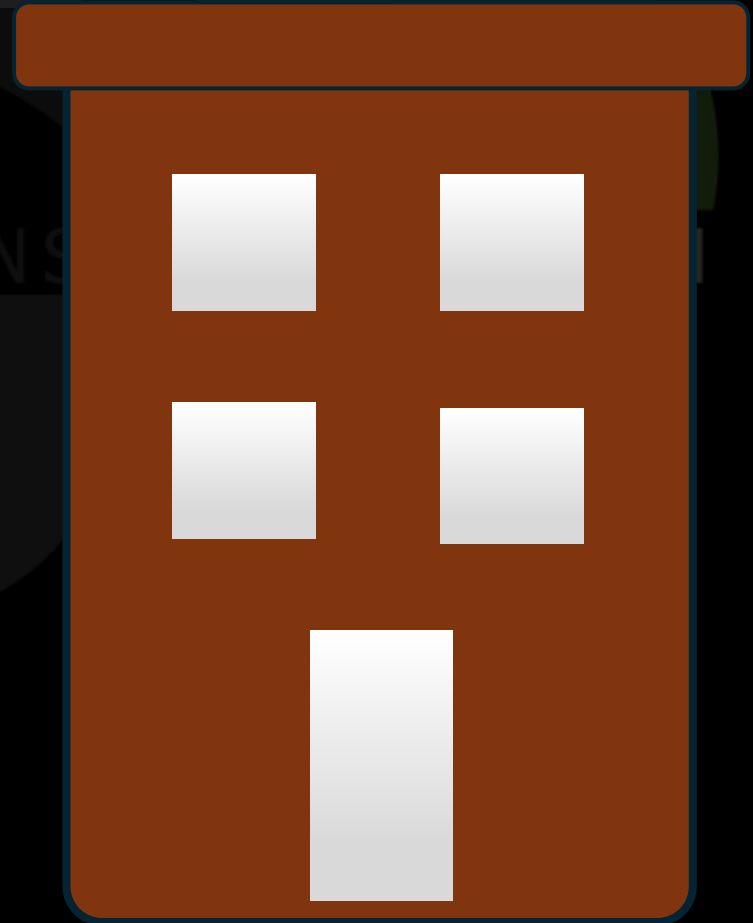
Data

- Long-term vs Short-term
- Must be Accurate
- Must be Objective



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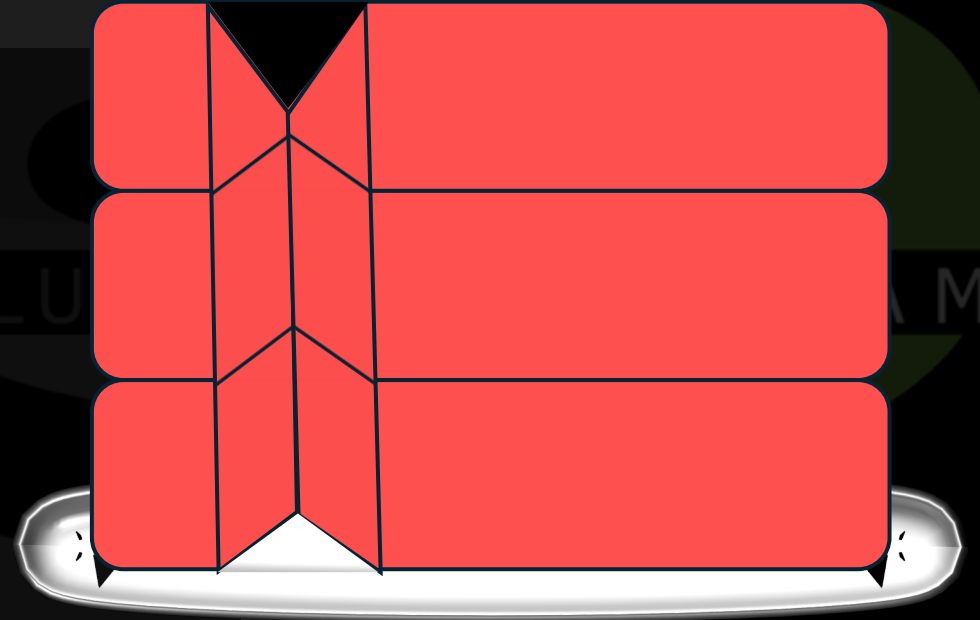
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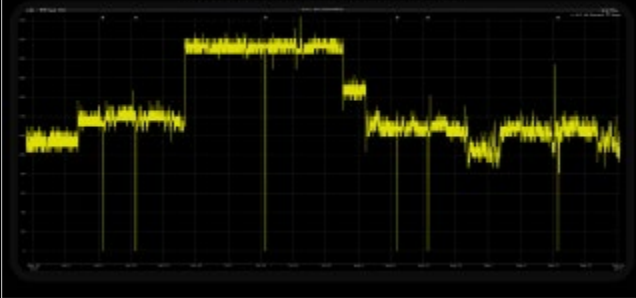


Behavior

- 21- 66 Days to **Change**
- **Information** to the Masses
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- **Positive Reinforcement**



Check the Trends



Anomalies Look for the Unusual

The Bills



- Bottom line!

Dashboards



Check the Trends



Dashboards

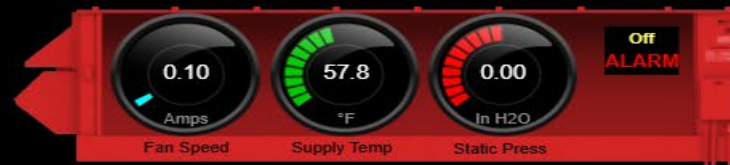
VAV Dashboard

To: Ocean Isle Beach Town Hall
As-Builts

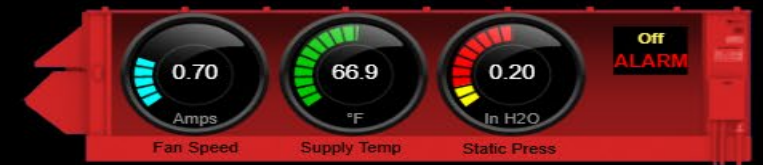
SSHP-1



SSHP-2



SSHP-4

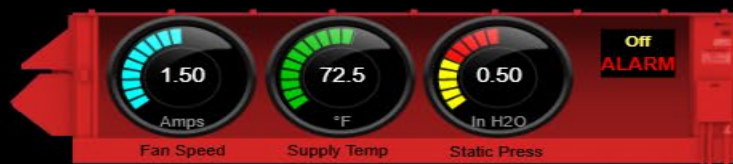


VAV	Damper	CFM		Zone Temp	Supply Temp
		Act.	Setpt		
ZD-1 Public Works Superintendent 116	100 %	95	165	69.5 °F	66.5 °F
ZD-2 Public Utilities Superintendent	100 %	208	510	69.0 °F	65.8 °F
ZD-3 Planning Director	100 %	91	304	69.0 °F	65.0 °F
ZD-4 Code Enforcement 128	100 %	119	670	69.0 °F	65.2 °F
ZD-5 Lobby 100	100 %	291	605	67.2 °F	65.6 °F

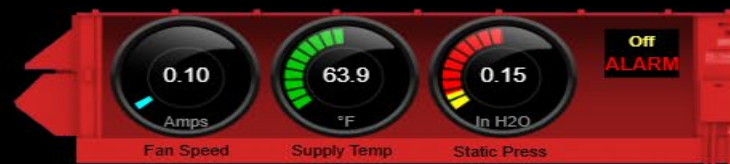
VAV	Damper	CFM		Zone Temp	Supply Temp
		Act.	Setpt		
ZD-6 Assistant Chief 141	100 %	218	580	71.5 °F	56.2 °F
ZD-7 Police Conference 142	100 %	146	490	68.3 °F	56.8 °F
ZD-8 Police Chief 143	100 %	170	495	70.5 °F	56.1 °F
ZD-9 Detective 154	100 %	182	385	67.1 °F	57.1 °F

VAV	Damper	CFM		Zone Temp	Supply Temp
		Act.	Setpt		
ZD-10 Police Reception 134	100 %	85	480	71.5 °F	66.9 °F
ZD-11 Squad Bay 144	100 %	27	1115	70.2 °F	66.8 °F
ZD-12 Sergeant 155	100 %	254	355	67.4 °F	66.8 °F

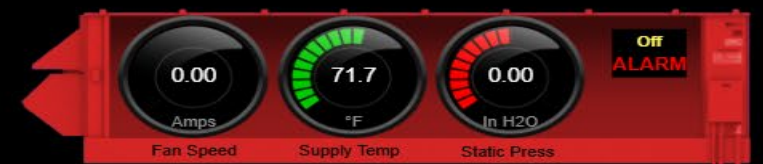
SSHP-5



SSHP-6



SSHP-7



VAV	Damper	CFM		Zone Temp	Supply Temp
		Act.	Setpt		
ZD-13 Town Clerk 182	62 %	438	430	73.4 °F	72.5 °F
ZD-14 Town Administrator 178	82 %	536	530	73.2 °F	72.5 °F
ZD-15 Admin Conference 173	100 %	231	430	72.4 °F	72.5 °F

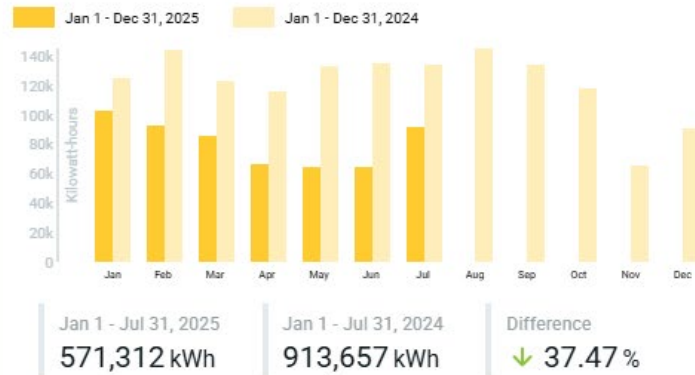
VAV	Damper	CFM		Zone Temp	Supply Temp
		Act.	Setpt		
ZD-16 Finance 172	5 %	0	300	74.4 °F	60.0 °F
ZD-17 Facilities Maintenance 167	15 %	36	380	72.4 °F	60.3 °F
ZD-18 Tax & Billing 163	100 %	325	380	72.7 °F	61.6 °F

VAV	Damper	CFM		Zone Temp	Supply Temp
		Act.	Setpt		
ZD-19 IT Specialist 179	100 %	0	300	74.2 °F	73.7 °F
ZD-20 Recreation Director 181	100 %	0	115	74.4 °F	73.6 °F
ZD-21 Admin Kitchen 165	25 %	0	475	73.4 °F	72.8 °F
ZD-22 Mail Room 174	100 %	0	340	76.6 °F	77.7 °F
ZD-23 Admin Reception 159	100 %	0	170	71.7 °F	71.2 °F

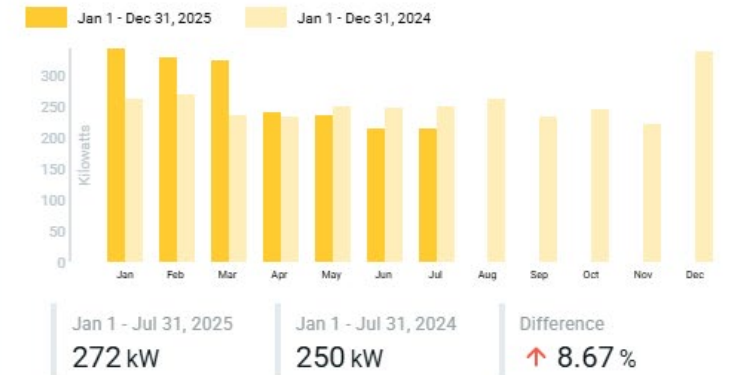
The Bills

- Bottom line!

Use / 2025 compared to 2024



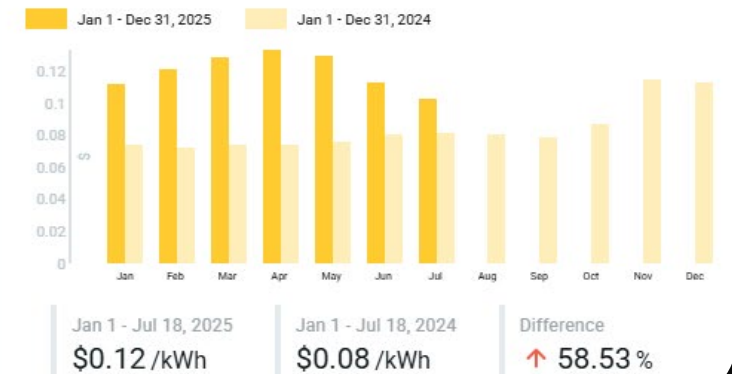
Demand / 2025 compared to 2024



Cost / 2025 compared to 2024



Cost per kWh / 2025 compared to 2024



Recap

- Sometimes the Old Ways Are the Best
- Embrace the New
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Thank You



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