

Long Range & Strategic Planning Committee
Tentative Minutes
July 11, 2023

1. Call Meeting to Order: Chairman Griffin called meeting to order at 2:00 p.m. Present: Corbitt, Fox, Gillis, Heuer, Janes, Oltmanns, Reising and Griffin. Others Present: County Clerk and Recorder Laura Cook, HR Director Amanda Jacinto, Alpha Controls Director of Business Development Jason Vogelbaugh and Lloyd Droege. Absent: None.
2. Public Comment: None.
3. Approval of Minutes – June 13, 2023: Motion by Heuer to approve minutes, 2nd by Corbitt. Motion carried.
4. Long Range Invoices: None
5. New Business:
 - IT Office (3rd Floor): Discussion about the wall deteriorating and the need to identify the problem. Janes suggested calling Jackie Ramsey's dad who does drywall and plaster. HR Director Amanda Jacinto stated there are two areas that need to be addressed.
6. Old Business:
 - Budget: Griffin stated the report shows expenditures which include payroll for the meetings.
 - Campus Plan: Griffin stated maintenance has located the memorial bench. Heuer is working on restoration costs for the Soldiers and Sailors Monument.
 - Facility Optimization: Griffin introduced Jason Vogelbaugh of Alpha Controls who gave a presentation of energy analysis of the various county buildings. Vogelbaugh stated Alpha Controls will audit the energy usage for four buildings at no cost. Fox asked what buildings were going to be looked at. Griffin stated the Judicial Center, Judicial Center Annex, Courthouse and Public Safety building. Vogelbaugh asked Griffin if they would like to have the audit service. Griffin stated yes.
 - Capital Plan: Griffin stated he is working with Boss to have roofs inspected on various county facilities and will meet with the Sheriff as well.
 - Solar Project: Griffin stated the project has been completed and Stateline Solar gave a presentation at the County Board meeting. There are technical difficulties with the monitor in the foyer of the Courthouse. There was discussion about a balance that is due and this will be included in the ARPA funding.
 - Courthouse Generator & lighting: None.
 - Courthouse Parking Lot: None.
 - Facility Master Plan - Storage Building: Griffin commented on the possible tenting of the current building located at the Sheriff's Department and the Sheriff is looking at possibly renting a building from the City of Oregon. Griffin stated there is no money for the project as Bonds are a priority at this time. Fox asked how will the committee proceed with the plan. Griffin stated you start with a master plan. Reising stated he is worried about technology changes. Griffin stated it would be a conceptual plan.
7. Closed Session: None
8. Adjournment: With no further business Griffin adjourned the meeting at 2:55 p.m.

Respectfully submitted,
Laura J. Cook
County Clerk and Recorder



Detail General Ledger Report

G/L Date Range 01/01/23 - 06/30/23

Exclude Sub Ledger Detail

Exclude Accounts with No Activity

G/L Date	Journal	Journal Type	Sub Ledger	Description/Project	Source	Reference	Debit Amount	Credit Amount	Actual Balance
G/L Account Number	180.1000.018 Cash BB - Long Range Planning							Balance To Date:	\$3,488,813.78
01/06/2023	2023-00000281	JE	GL	Transfer Ck#1057 to Harvard/Bond Debt Service Fund				2,798,575.00	690,238.78
01/27/2023	2023-00000466	JE	RA	Revenue Collection Payment Post	Collections		65,752.52		755,991.30
01/31/2023	2023-00000431	JE	GL	January 31, 2023 Payroll Check Run Offsetting				688.75	755,302.55
01/31/2023	2023-00000600	JE	GL	BANK STATEMENT INTEREST			5,942.30		761,244.85
02/28/2023	2023-00000623	JE	GL	Feb 28, 2023 - Payroll Check Run Offsetting				538.10	760,706.75
02/28/2023	2023-00000776	JE	GL	BANK STATEMENT INTEREST			2,709.55		763,416.30
03/31/2023	2023-00000902	JE	GL	Mar 31, 2023 - Payroll Check Run Offsetting				716.20	762,700.10
03/31/2023	2023-00001025	JE	GL	BANK STATEMENT INTEREST			3,091.68		765,791.78
03/31/2023	2023-00001027	JE	GL	BANK STATEMENT INTEREST			3,091.68		768,883.46
03/31/2023	2023-00001031	JE	GL	BANK STATEMENT INTEREST				3,091.68	765,791.78
04/21/2023	2023-00001120	JE	GL	Host Fees Transfer-From Solid Waste 1st Qtr 2023			321,016.80		1,086,808.58
04/28/2023	2023-00001133	JE	GL	April 28, 2023 Payroll Check Run Offsetting				1,059.78	1,085,748.80
04/30/2023	2023-00001284	JE	GL	BANK STATEMENT INTEREST			3,107.72		1,088,856.52
05/05/2023	2023-00001243	JE	RA	Revenue Collection Payment Post	Collections		38,748.18		1,127,604.70
05/31/2023	2023-00001385	JE	GL	May 31, 2023 Payroll Check Run Offsetting				1,285.50	1,126,319.20
05/31/2023	2023-00001568	JE	GL	BANK STATEMENT INTEREST			5,193.16		1,131,512.36
06/30/2023	2023-00001654	JE	GL	June 30, 2023 - Payroll Check Run Offsetting				1,205.68	1,130,306.68
Account Cash BB - Long Range Planning Totals							\$448,653.59	\$2,807,160.69	\$1,130,306.68
Fund Long Range Capital Improvemnt Totals							\$448,653.59	\$2,807,160.69	
Grand Totals							\$448,653.59	\$2,807,160.69	

AMERICAN RESCUE PLAN ACT FUND

<u>Resolution</u>	<u>Dept</u>	<u>Vendor</u>	<u>Maximum \$</u>	<u>Date Paid</u>	<u>Amount Paid</u>	<u>Description</u>	<u>Notes</u>	<u>Unpaid</u>
R-2022-0504	Long Range	Stateline Solar	1,110.00	8-Jun-22	1,110.00	Solar Consultation & Design		
R-2022-0701	Long Range	Stateline Solar	277,645.84	Sept-Dec22-Mar23	200,933.50	Roof Top Solar Jail	Multiple paid dates	76,712.34
					824,813.10	VOIDED Check		

ESTIMATED Schedule of Values



TO: Don Griffin, Ogle County Board,
Long Range Planning Chairman

PROJECT: Ogle County Judicial Center Annex
601 W. Washington St.
Oregon, IL 61061

FROM: Ethan Fiene, CEO, Stateline Solar

DATE UPDATED: 06/27/2023

Item #	Description of Work	Scheduled Value	% of total	Work Completed		Total Completed to Date	% Done	ETA Completion	Invoice Sent	Payment Received
				Previous Application	This Period					
001	Purchase and Store Materials	\$ 128,750.00	50%	\$ -	\$ 128,750.00	\$ 128,750.00	100%	9/1/2022	9/14/2022	10/3/2022
002	SREC Collateral	\$ 7,683.50							2/8/2023	3/6/2023
003	Install Panels	\$ 51,500.00	20%	\$ -	\$ 51,500.00	\$ 51,000.00	100%	10/13/2022	11/17/2022	12/5/2022
	Solar Insure	\$ 13,000.00								
004	Install Inverters	\$ 25,750.00	10%	\$ -	\$ 25,750.00	\$ 25,750.00	100%	4/24/2023	6/27/2023	
005	Install Electrical BOS	\$ 25,750.00	10%	\$ -	\$ 25,750.00	\$ 25,750.00	100%	4/24/2023	6/27/2023	
006	Commission System	\$ 12,875.00	5%	\$ -	\$ 12,875.00	\$ 12,875.00	100%	6/13/2023	6/27/2023	
007	Install Monitoring Screen & Complete Final Walkthrough/Punchlist	\$ 12,875.00	5%	\$ -	\$ -	\$ -	50%	Screen: 6/13/2023 Walkthrough: TBD	6/27/2023	

**All invoices due within 20-days of Invoice Sent Date. Late payment is subject to 1% late fee.*

INVOICE



DUE DATE: 07/17/2023

BILL TO:

Ogle County Jail
601 W Washington St
Oregon, IL 61061

Invoice Date

06/27/2023

Invoice No.

INV-1305

Reference

130.05 kW (DC) Solar Array

Stateline Solar

310 W Main St.
Lena, IL 61048
United States

Description	Quantity	Unit Price	Amount
Item 004 - Install Inverters	1	\$25,750.00	\$25,750.00
Item 005 - Install Electrical BOS	1	\$25,750.00	\$25,750.00
Item 006 - Commission System	1	\$12,875.00	\$12,875.00
Item 007 - Install Monitoring Screen & Complete Final Walkthrough/Punchlist	1	\$12,875.00	\$12,875.00
Balance Due			\$77,250.00

Payment Terms & Instructions:

Please pay within 20 days of Invoice Date. Overdue invoices are subject to 1% late fee.

Make all checks payable to Stateline Solar.

Payments to be mailed or delivered to Stateline Solar, 310 W Main St, Lena, IL 61048.

Name	Building Type	Address 1	City	State	Zip
Courthouse	Court House	127-135 Fifth St.	Oregon	IL	61061
Jail	Police Station	127-135 Fifth St.	Oregon	IL	61061
Radio Transmitting Bldg	Radio Building	322 N. 9Th St.	Oregon	IL	61061
Hwy Dept Office	Public Works	Illinois Route 2 S.	Oregon	IL	61061
Hwy Dept Butler	Public Works	Illinois Route 2 S.	Oregon	IL	61061
Hwy Dept Salt Bi	Salt Storage	Illinois Route 2 S.	Oregon	IL	61061
Hwy Dept Salt B	Salt Storage	Illinois Route 2 S.	Oregon	IL	61061
Hwy Dept Equip Storage	Storage	Illinois Route 2 S.	Oregon	IL	61061
Radio Transmitting Bldg	Radio Building	Route 64 E.	Oregon	IL	61061
Radio Transmitting Bldg	Radio Building	Route 64 E.	Oregon	IL	61061
Focus House #1 (Dorm)	Residence	Hwy. 251 N.	Rochelle	IL	61068
Focus House #2 (Dorm)	Residence	Hwy. 251 N.	Rochelle	IL	61068
Outbuildings	Residence	Hwy. 251 N.	Rochelle	IL	61068
Gym/Auditorium	Gym	Hwy. 251 N.	Rochelle	IL	61068
Classrooms/Offices	Office	Hwy. 251 N.	Rochelle	IL	61068
Storage (Morton Garage)	Storage	Hwy. 251 N.	Rochelle	IL	61068
Barn	Barn	Hwy. 251 N.	Rochelle	IL	61068
Butler Bldg (Garage)	Garage	2Nd St. & Jefferson	Oregon	IL	61061
Quonset Bldg (Garage)	Garage	2Nd St. & Jefferson	Oregon	IL	61061
Garage Bldg	Garage	2Nd St. & Jefferson	Oregon	IL	61061
Sheriff's Dept (Storage)	Storage	2Nd St. & Jefferson	Oregon	IL	61061
Sheriff's Dept-Storage Maint Garage	Garage	2Nd St. & Jefferson	Oregon	IL	61061
Dept Storage Maint Garage	Garage	2Nd St. & Jefferson	Oregon	IL	61061
Weld Park - Picnic Shelter	Shelter	Weld Park	Stillman Valley	IL	61084
Weld Park - Restrooms	Restrooms	Weld Park	Stillman Valley	IL	61084
Weld Park - Shelter	Shelter	Weld Park	Stillman Valley	IL	61084
Weld Park - Shelter #2	Shelter	Weld Park	Stillman Valley	IL	61084
Health Dept Office	Health Department	907 W Pines Rd	Oregon	IL	61061
Health Dept Office	Health Department	903C S 7Th St	Oregon	IL	61061
Judicial Center	Municipal Office	100 S. 5Th	Oregon	IL	61061
Commercial property	Commercial Property	102 S. 5th St.	Oregon	IL	61061
House/commercial property	Commercial Property	102 S. 5th St.	Oregon	IL	61061
Equipment Storage Bldg	Storage		Oregon	IL	61061
Totals Throughout County	Throughout		Oregon	IL	61061
Public Safety Building	Public Safety	202 208 South 2nd St	Orgon	IL	61061
EOC	Emergency Building	510 Lincoln Hwy	Rochelle	61068	
507 Jefferson	Residence	507 Jefferson	Oregon	IL	61061
Health Dept Garage	Garage				
607 W. Washington Street	Commercial Property	607 W. Washington Street	Oregon	IL	61061



ANALYTICS REPORT

Ogle County

106 South 5th Street, Oregon, Illinois

May - 2023

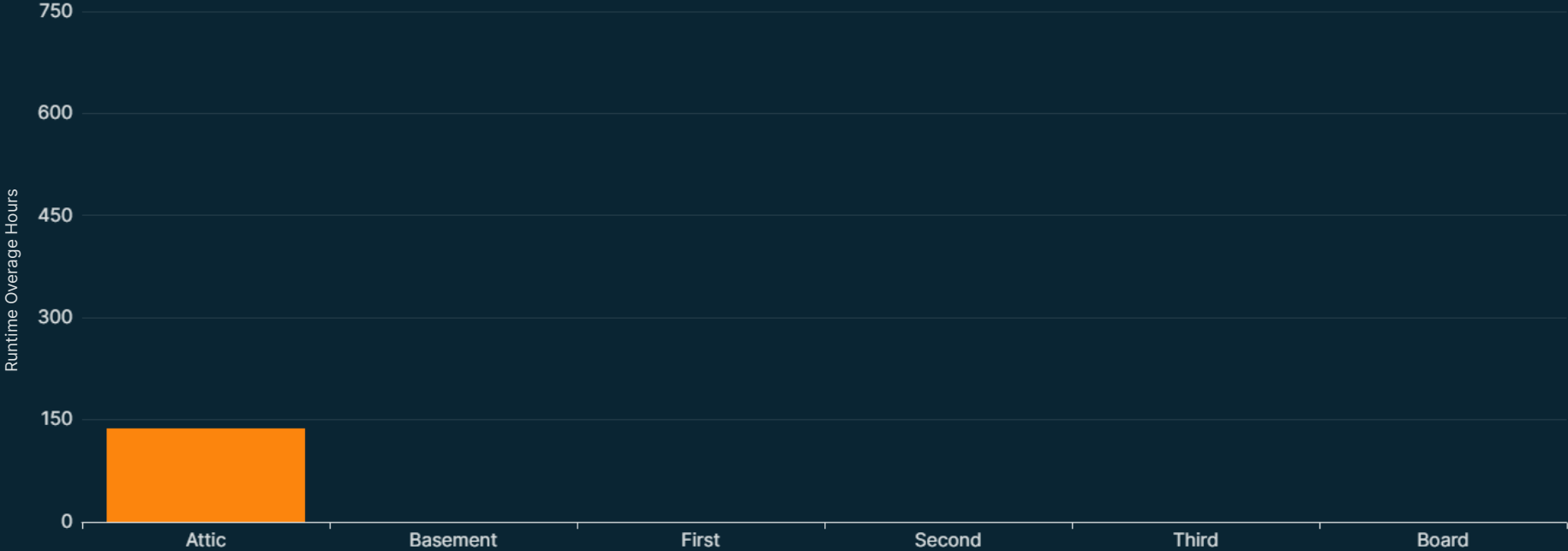
System Type	Feature/Component	Sub-Feature	Category
VAV Analytics	High / Low Airflow		Comfort
	High / Low Discharge Air Temp		Comfort
	Damper Hunting		Maintenance
	Reheat Valve Hunting		Maintenance
	Space Sensor Failure Alarming		Maintenance
Runtime Monitor	Schedule Overriden Off/On By User		Runtime
	Unoccupied Heat On		Runtime
	Unit Command Overriden Off/On By User		Runtime
	Weekly Email Report		Runtime
	Unit Failure		Runtime
	Unit Local Override (Hand)		Runtime
	Unit Schedule Off/On Deviation		Runtime
	Morning Warmup On		Runtime
	Unoccupied Cooling On		Runtime
	Unoccupied Dehumidification On		Runtime
	Unoccupied Duty Cycle On		Runtime
AHU Analytics	Economizer	Automatic Detection	N/A
		ASHRAE Monitoring	Optimization
		RA RH, RA Enthalpy, RA CO2 Detection	Optimization
		Economizer Damper Hunting	Maintenance
		Sensor Failure Alarming	Maintenance
		Building Pressure Control Diagnostic	Maintenance
	Humidifier	Automatic Detection	N/A
		Setpoint Reset Detection	Optimization
		Valve Hunting	Maintenance
		High / Low Return RH	Comfort
		High / Low Supply RH	Comfort
		Return / Supply Sensor Failure Alarming	Maintenance
	Preheat Coil	Automatic Detection	N/A
		Valve Hunting	Maintenance
		Coil Delta T	Comfort
		Position vs. Feedback	Maintenance
		Valve Open More Than 95%	Optimization
		Face/Bypass Detection & Operation	Comfort
	Chilled Water Coil	Automatic Detection	N/A
		Valve Hunting	Maintenance
		Coil Delta T	Comfort
		Position vs. Feedback	Maintenance
		Valve Open More Than 95%	Optimization
	Reheat Coil	Automatic Detection	N/A
		Valve Hunting	Maintenance
		Coil Delta T	Comfort
		Position vs. Feedback	Maintenance
		Valve Open More Than 95%	Optimization
AHU Analytics	Supply / Return Fans	Automatic Detection	N/A
		Static Pressure Setpoint Reset Detection	Optimization
		ASHRAE Standard 90.1-2013 Excessive Zones Alarm	Optimization
		VFD Detection	Optimization
		High / Low Static Pressure	Comfort
		Fan Speed Hunting	Maintenance
	Airflow Measuring Stations	Automatic Detection	N/A
		Accuracy	Maintenance
Outdoor Air Conditions	Temp / Humidity	OA Temp Doesn't Match Weather Service	Maintenance
		OA RH Doesn't Match Weather Service	Maintenance
FCU/Heat Pump Analytics	Duplicate Standard Alarms		Varies
	2-Pipe / 4-Pipe	Unit Type Determination	N/A
	Fan	Failure / Override Alarming	Maintenance
	4-Pipe Heating Coil	Valve Hunting	Maintenance
		High / Low Discharge Air Temp	Comfort
	4-Pipe Cooling Coil	Valve Hunting	Maintenance
		High / Low Discharge Air Temp	Comfort
	2-Pipe Heating / Cooling Coil	Valve Hunting	Maintenance
		High / Low Discharge Air Temp	Comfort
Chiller Plant	Chilled Water Coil	Plant Operating with No Building Load	Optimization
		CHW Setpoint Reset Detection	Optimization
	Chillers	Running at or Above 90% Capacity	Optimization
		Short Cycling	Maintenance
	Pumps	Pumps not meeting differential pressure set point	Comfort
		VFD Detection	Optimization
		Hunting Pump Speed	Maintenance
	Cooling Towers	Short Cycling	Maintenance
		Hunting Fan Speed	Maintenance
Heating Plant	Plant	Plant Operating with No Building Load	Optimization
		HW Setpoint Reset Detection	Optimization
	Boilers	Running at or Above 90% Capacity	Optimization
		Short Cycling	Maintenance
	Pumps	Pumps not meeting differential pressure set point	Comfort
		VFD Detection	Optimization
		Hunting Pump Speed	Maintenance

Reported Date	Building	Equipment	Room	Description of Issue/Analyst	Diagnostic/Technician	Step (Choose from menu)	Ball in Court (Organization/Specific Name)	Completed Date	WO #
5/31/2023	Courthouse	Ground Source WS		Gsw Diff Press 1 sensor is reading 32767.0 PSI! Both pumps are at 100%. Field supply and return pressures are reading -15.	Verify all pressure sensors are operational. Replace if any have failed.	Identify	Tim Gargani		
5/31/2023	Courthouse	ERU-01		Exhaust Filter Status still in alarm	Verify operation of filter sensors and adjust if needed. Replace filters if needed.	Identify	Tim Gargani		
5/31/2023	Courthouse	SnowMelt System		Snow melt pump status is running and should not be since the snow melt system is disabled.	Verify if pump is in hand and why.	Identify	Tim Gargani		
5/31/2023	Courthouse	HP-10		Heat Pump Unit Still in Alarm, and Unit Status Still in alarm while Heating		Identify	Tim Gargani		
5/31/2023	Judicial	AHU-01,02,03		Humidifier alarm is active.		Identify	Tim Gargani		
5/31/2023	Judicial	RCP-02		Room temperature is 78.5°. Set point is 72°.	Verify radiation valve is fully closed.	Identify	Tim Gargani		
5/31/2023	Judicial	RPC-07		Room temperature is 77.3°. Set point is 72°.	Verify radiation valve is fully closed.	Identify	Tim Gargani		
5/31/2023	Judicial	Exhaust Fan 5	Staff Breakroom	Exhaust fan is commanded on & status shows stopped. Fan failure alarm shows normal and should be in alarm.	Verify operation of fan and correct alarming issue.	Identify	Tim Gargani		
4/30/2023	Jail	RTU-03		Supply Static Press Alarm - 1.05 inwc, with setpoint of 1.25 inwc		Identify			
4/30/2023	Judicial	Exhaust Fans		Exhaust fan 2 & 6 are running while being unoccupied & commanded off.		Identify			
4/30/2023	Sheriffs	Exhaust Fan 1		Exhaust fna is in alarm.	Verify if unit is turned on/verify CT is operational. If CT has failed CT needs to be replaced for fan status.	Identify			
4/5/2023	Courthouse	ERU-01		Exhaust Filter Status still in alarm		Identify			
4/5/2023	Courthouse	HP-10		Heat Pump Unit Still in Alarm, and Unit Status Still in alarm while Heating		Identify			
4/5/2023	Courthouse	HP-20		Red X'ed		Identify			
4/5/2023	Courthouse	HP-34		Heating Pump Unit in Alarm, and Unit Status in alarm with unit OFF		Identify			
4/5/2023	Jail	RTU-07		Still Red X'ed, and VAV's aren't showing up on VVT's list		Identify			
4/5/2023	Jail	VAV-AT-4-7		Still Red X'ed		Identify			
4/5/2023	Jail	RTU-04		Supply Static Press in alarm at .82 inwc, with a setpoint of 1.00 inwc		Identify			
4/5/2023	Jail	HWS		Boiler Local Alarm for Pump 1		Identify			
3/14/2023	Courthouse	HP-09		Heat Pump Unit Alarm, and Unit Status in alarm due to being shut off		Identify			
3/14/2023	Judicial	MAU-01		Active Room Setpoint is overridden to 55.0°		Identify			
3/14/2023	Judicial	AHU-01		Humidifier Alarm		Identify			
3/14/2023	Judicial	AHU-02		Humidifier Alarm		Identify			
3/14/2023	Judicial	AHU-03		Humidifier Alarm		Identify			
2/15/2023	Courthouse	HP-34		Conf Rm 201: Unit Status in Alarm (Unit Off), & Heat Pump Unit in Alarm		Identify			
2/14/2023	Courthouse	ERU-01		Exhaust Filter Status in Alarm since the end of January		Identify			
2/14/2023	Jail	VAV-AT-4-7		122 Conference Room: Red X'ed		Identify			
12/30/2022	Judicial	AHU-03		Humidifier Red Alarm		Identify			
12/30/2022	Jail	RTU-05		Supply Static Press Red Alarm - 0.97 inwc, with setpoint of 1.25 inwc		Identify			
12/30/2022	Jail	VAV-AT-4-7		RTU-04 - 122 Conference, Red X'ed		Identify			
12/30/2022	Jail	RTU-07		Both VAV's on the list are blank with no info		Identify			
11/14/2022	Courthouse	HP-04		Unit is offline	Steve replaced expansion valve on 2-10-23 but needs new actuator also. Steve will order parts. TG	Ongoing	Steve Steingraber		
11/14/2022	Courthouse	HP-46		Unit is still offline.	Steve was unable to diagnose due to time constraints on 2-10-23. W/O has been opened to revisit.	Ongoing	Steve Steingraber		
11/14/2022	Jail	RTU-06		Supply static pressure consistently below setpoint.		Identify			
11/14/2022	Jail	VAV-AT-4-7		Controller is still offline		Identify			
11/14/2022	Judicial	AHU-2		Supply air temp is 53.1° with a 57.3° setpoint		Identify			
8/9/2022	Jail	VAV-AT-4-7		Controller is offline.		Identify			
4/13/2022	Courthouse	HP-49 Work Area 107		Unit is off, room temp hovers around 100 degrees. Hasn't run since September, Looks like in June of 2021 was supposed to be looked at by mechanical contractor. Is this something we can possibly help on?	Unit has been repaired (new board installed on ???) but still not cooling. Steve reset on 2-10-23. Some graphic data not coming through. Need to discuss with Bob B. probably a different firmware version in the new card.	Ongoing	Tim Gargani Steve Steingraber		
2/18/2022	Judicial	VAV-B09		Dmpr Cmd Closed but still showing close to max airflow 12:46 2/18	Strange issue. Unable to resolve due to time constraints today. 8-31-2022 TG	Ongoing	Tim Gargani		
1/20/2022	Courthouse	ERU-01		Supply and Return Fan are both in alarm, unit inoperable, no further investigation.	Disregard any and all analytics from this unit until further notice.	Ongoing	Sheriff		

1/20/2022	Judicial	AHU-03		Min Oa overridden to 60% and the Min OA Flow sensor is returning -164 cfm.	Ebtron AirFlow station has failed. Quote sent by Mike Williams on 9-13-22	Ongoing	Sheriff		
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Ogle County Courthouse

Runtime Overage Hours



Ogle County Judicial Center



**New Rooftop Mounted SolarArray
Ogle County Judicial Annex
July 2022 to July 2023**

Appropriated	\$277,645.84	7/19/2022
\$ 257,500.00	Solar Install	
\$ 13,000.00	Insurance	
\$ 7,145.84	SREC Collateral	
\$ 277,645.84	Total	

Payments	Date Paid	Items Covered
\$ 128,750.00	10/3/2022	Purchase & Store Materials
\$ 64,500.00	12/5/2022	Install Panels & Insurance
\$ 7,683.50	3/6/2023	SREC Collateral - Was \$537.66 more than original estimate.
\$ 200,933.50	Subtotal	

Outstanding Invoice	
\$ 25,750.00	Install Inverters
\$ 25,750.00	Install Electrical BOS
\$ 12,875.00	Commission System
\$ 12,875.00	Install Monitor & Complete Walkthru
\$ 77,250.00	Subtotal

\$ 278,183.50 Total Expenses (Paid + Outstanding)

\$ 277,645.84 Total Appropriated

\$ 537.66 Difference (Matches the difference between estimated SREC Collateral and Actual)



Oregon Police Station

202 S. 1st St.

Oregon, IL

61061

July - 2023

2110 Clearlake Blvd Suite 101
Champaign, Illinois 61822

Presented by: **Jason Vogelbaugh**
Director, Business Development
Cellular: 217.299.1379
Email: jasonv@alphaacs.com

**Alpha Controls & Services, L.L.C.**

2110 Clearlake Blvd Suite 101

Champaign, Illinois 61822

Telephone: 866-ALPHA-01

Fax: 815-227-4004

Sales Exec: **Jason Vogelbaugh**

Cellular: 217.299.1379

Email: jasonv@alphaacs.com

Date: Jul-2023

Facility Description

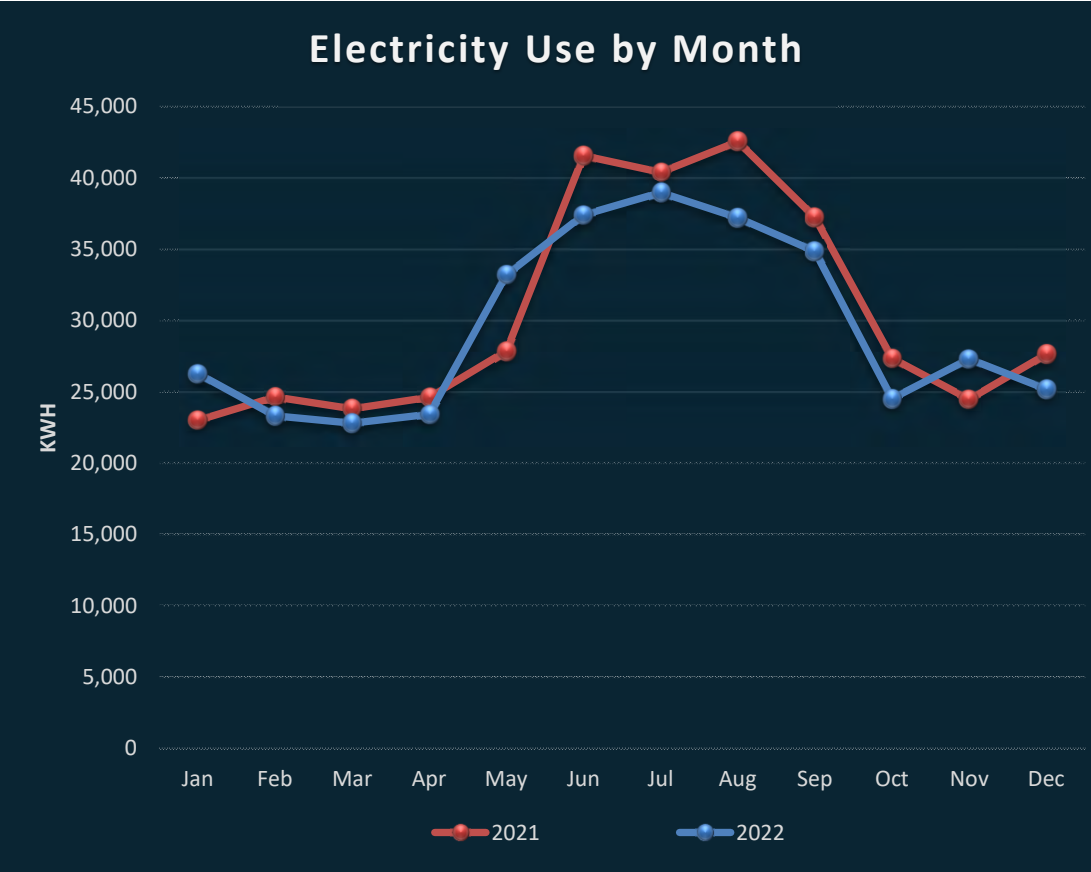
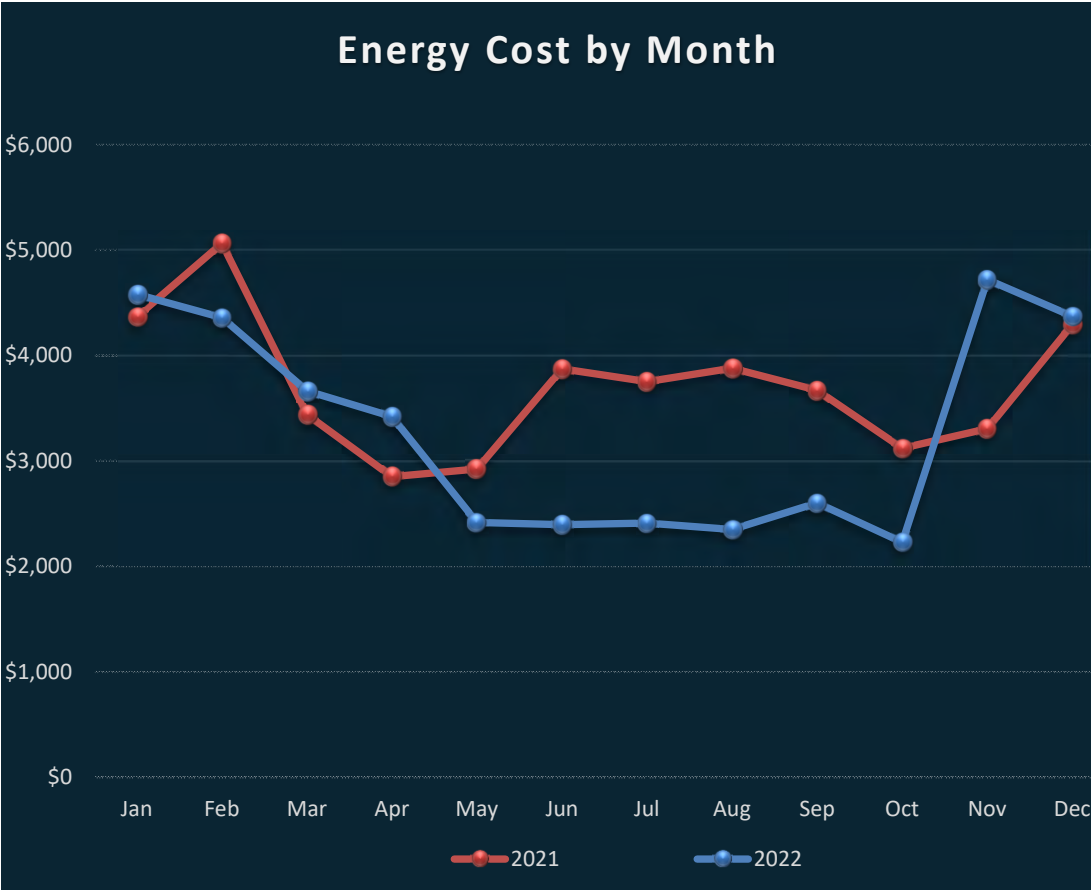
Oregon Police Station at 202 S. 1st St. Oregon, IL is a 22,500 square foot public safety complex center is located adjacent to the former 100 year-old Sheriff's Office and will provide a new modern home for sheriff's operations, a 911 emergency communications center, the coroner's office, and the county morgue. The former building was demolished and turned into parking for the new facility.

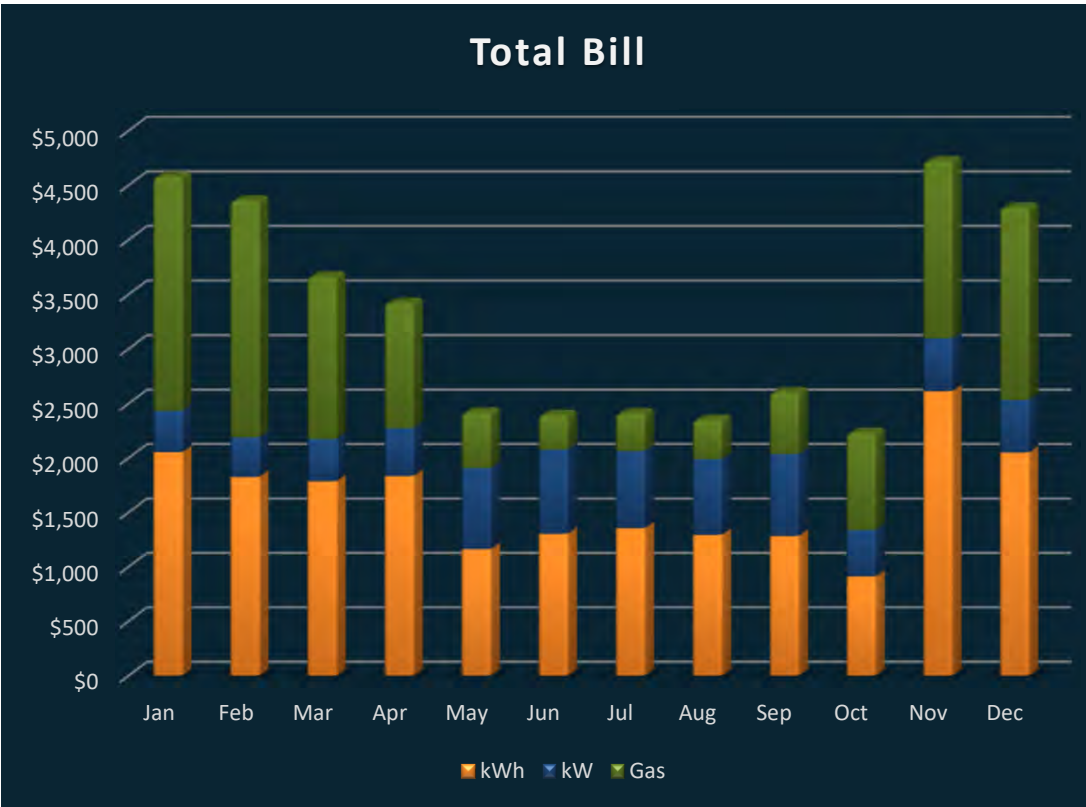
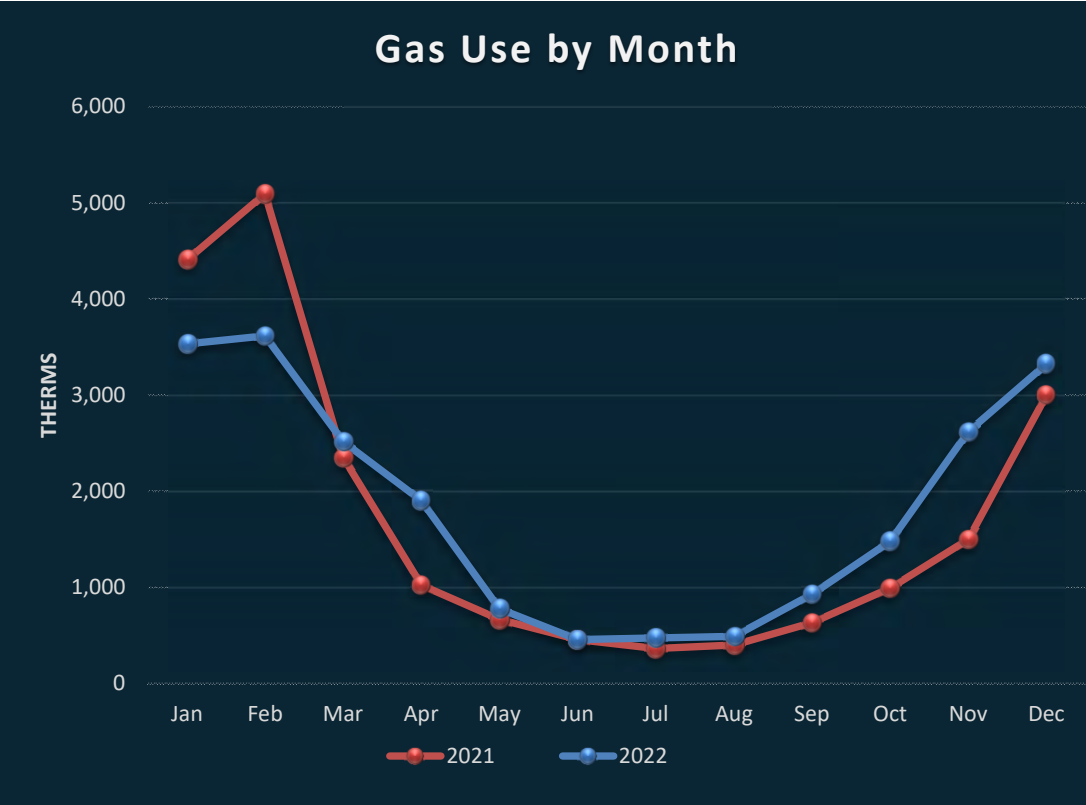
Energy Analysis Results

The United States Department of Energy's Target Energy Performance tool on the Energy Star website provides a national database reference tool to rank all buildings of similar types to compare energy efficiency. Entering the energy use data for your facility indicates energy consumption at \$1.73 per square foot compared to an top tier building of this type at \$1.41 per square foot. This suggests a significantly high energy use as compared to other similar facilities.

Another way to view energy costs at this facility is in \$107 per day or \$39,032 annually. This facility uses 2.0 times more energy than a median rated building of this type according to Energy Star.

Energy Star indicates a potential reduction in energy costs or \$7,312 annually. With a five year payback, realizing this opportunity would require \$36,560 as the maximum investment. The environmental impact of this reduction would be equivalent to taking 16 cars off the road. We are excited about the significant energy savings potential at this facility!







Ogle County Judicial Center

106 S. 5th St.

Oregon IL

61061

July - 2023

2110 Clearlake Blvd Suite 101
Champaign, Illinois 61822

Presented by: **Jason Vogelbaugh**
Director, Business Development
Cellular: 217.299.1379
Email: jasonv@alphaacs.com

**Alpha Controls & Services, L.L.C.**

2110 Clearlake Blvd Suite 101

Champaign, Illinois 61822

Telephone: 866-ALPHA-01

Fax: 815-227-4004

Sales Exec: **Jason Vogelbaugh**

Cellular: 217.299.1379

Email: jasonv@alphaacs.com

Date: Jul-2023

Facility Description

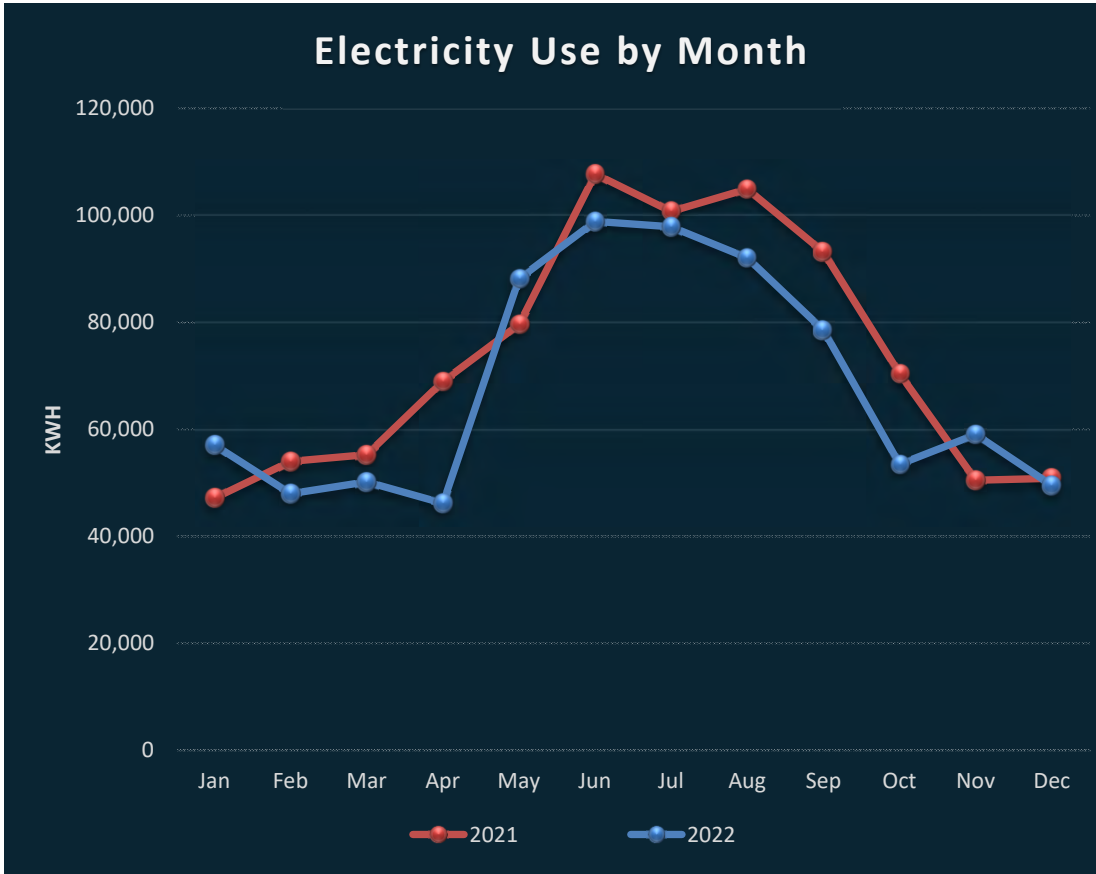
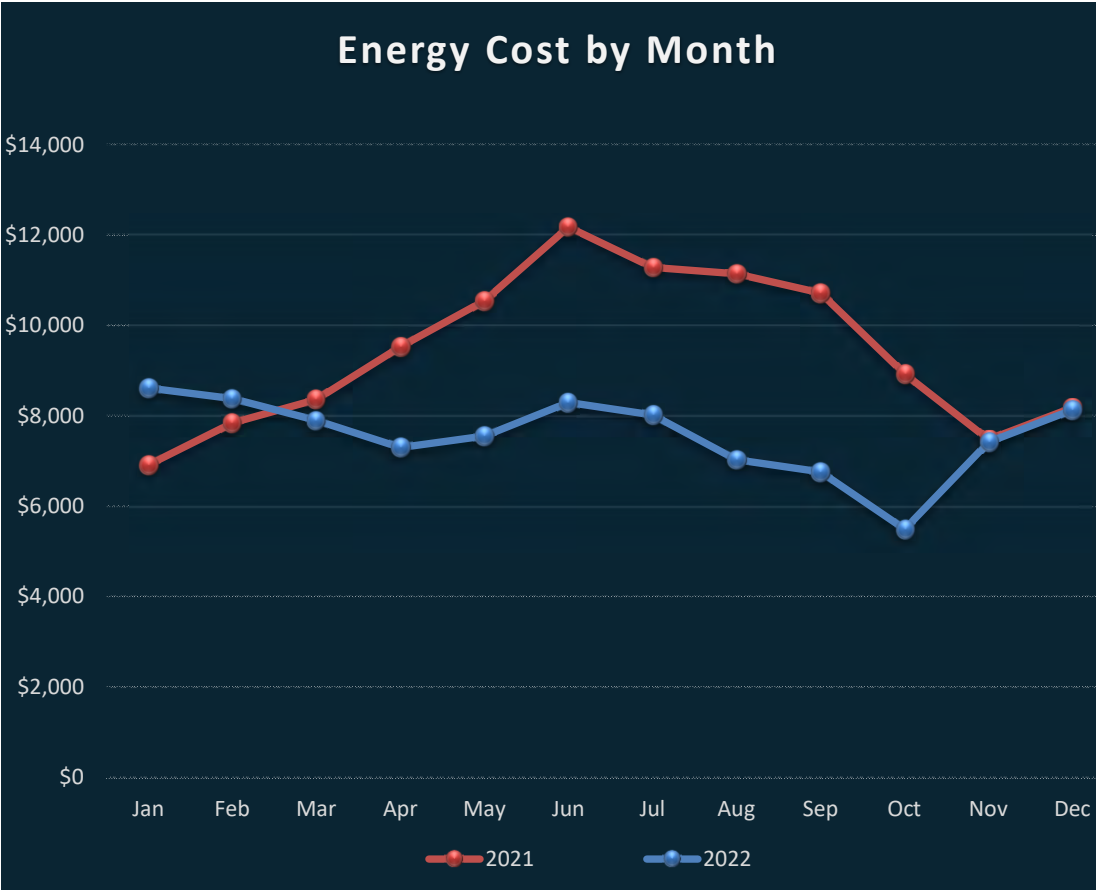
Ogle County Judicial Center at 106 S. 5th St. Oregon IL is a 77,725 square foot courthouse serving Carroll, Jo Daviess, Lee, Ogle, and Stephenson counties. The new judicial center is located on the block west of the existing county Courthouse in Oregon, Illinois. The three-story judicial center is designed to complement the historical integrity of the existing courthouse and streetscape of downtown Oregon. The close proximity and aesthetic similarities between the two county facilities create a strong civic identity which is further enhanced by a pedestrian plaza.

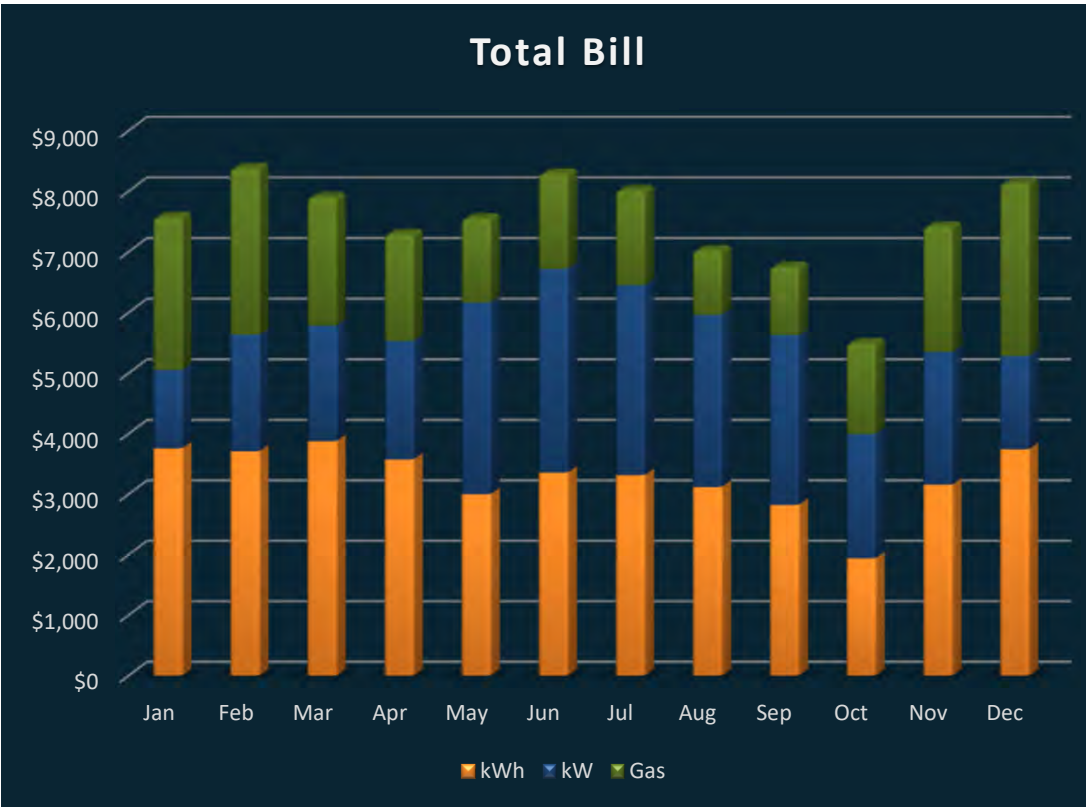
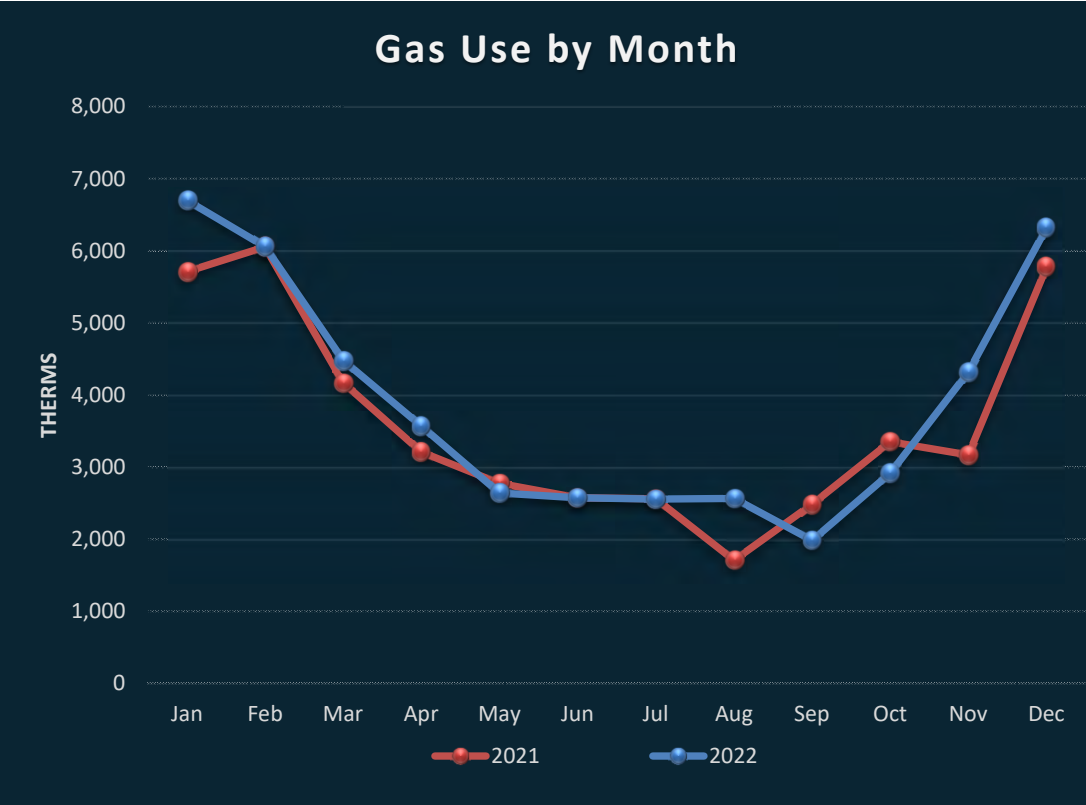
Energy Analysis Results

The United States Department of Energy's Target Energy Performance tool on the Energy Star website provides a national database reference tool to rank all buildings of similar types to compare energy efficiency. Entering the energy use data for your facility indicates energy consumption at \$1.16 per square foot compared to a top tier rated building of this type at \$0.81 per square foot. This suggests a significantly high energy use as compared to other similar facilities.

Another way to view energy costs at this facility is in \$246 per day or \$89,804 annually. Using the Energy Star ranking system, this facility ranks 36 out of a possible 100 for energy use. This facility uses 1.7 times more energy than a 75% rated building of this type according to Energy Star.

Energy Star indicates a potential for 30% reduction in energy costs or \$26,606 annually. With a five year payback, realizing this opportunity would require \$133,030 as the maximum investment. The environmental impact of this reduction would be equivalent to taking 57 cars off the road. We are excited about the significant energy savings potential at this facility!







Ogle County Jail
601 W. Washington St.
Oregon, IL
61061

July - 2023

2110 Clearlake Blvd Suite 101
Champaign, Illinois 61822

Presented by: **Jason Vogelbaugh**
Director, Business Development
Cellular: 217.299.1379
Email: jasonv@alphaacs.com



Alpha Controls & Services, L.L.C.

2110 Clearlake Blvd Suite 101

Champaign, Illinois 61822

Telephone: 866-ALPHA-01

Fax: 815-227-4004

Sales Exec: **Jason Vogelbaugh**

Cellular: 217.299.1379

Email: jasonv@alphaacs.com

Date: Jul-2023

Facility Description

Ogle County Jail at 601 W. Washington St. Oregon, IL is a 40,000 square foot corrections center. The new 154-bed facility consists of multiple sections utilizing direct supervision methods for males and females in custody. Areas include public access, video, visitation, administration, holding and intake, medical, kitchen, laundry, inmate property storage and a vehicular sally port. An enclosed corridor connects the existing Judicial Center to the new corrections center.

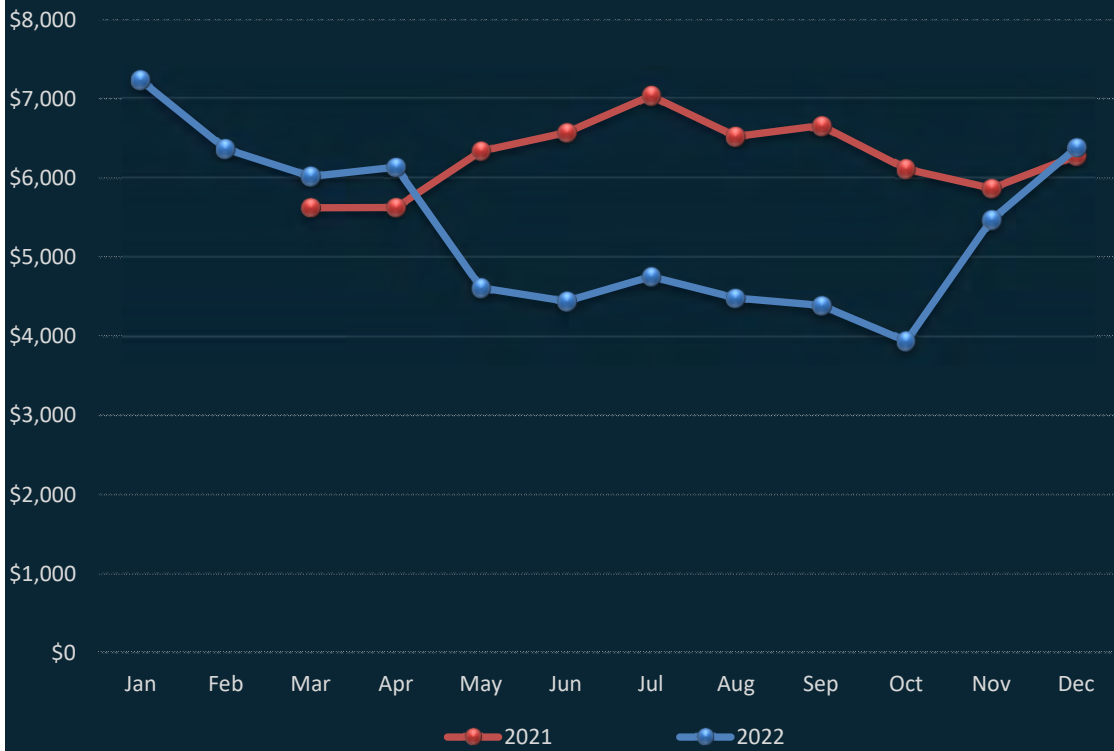
Energy Analysis Results

The United States Department of Energy's Target Energy Performance tool on the Energy Star website provides a national database reference tool to rank all buildings of similar types to compare energy efficiency. Entering the energy use data for your facility indicates energy consumption at \$1.58 per square foot compared to a top tier rated building of this type at \$1.12 per square foot. This suggests a significantly high energy use as compared to other similar facilities.

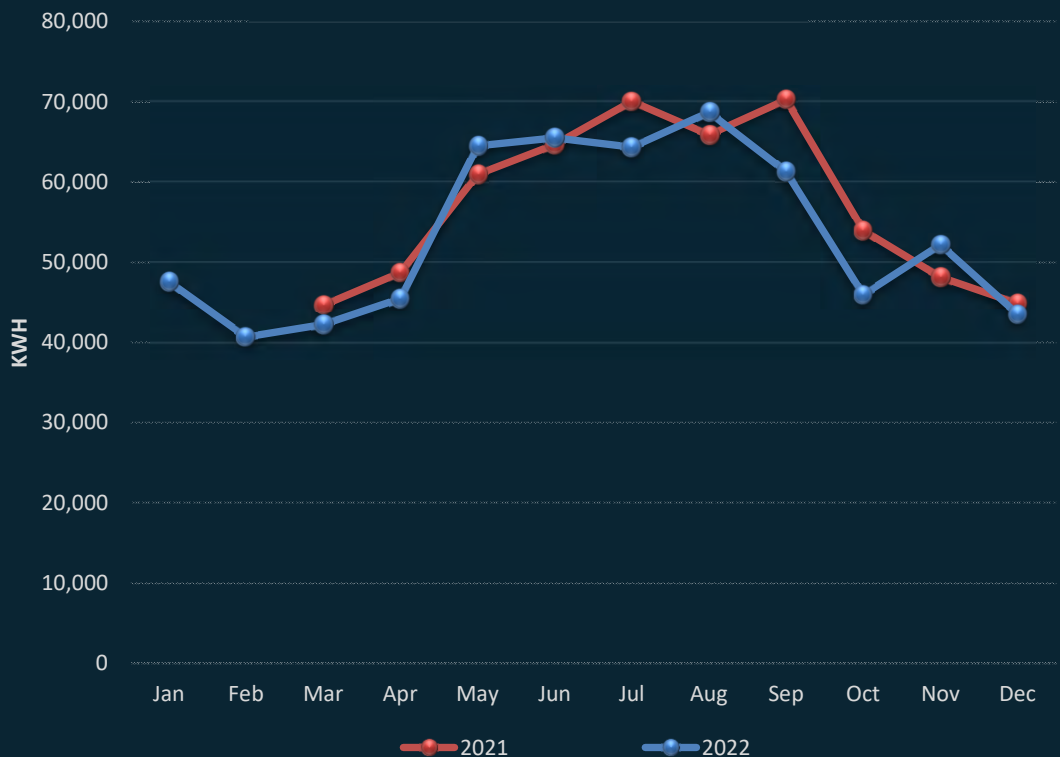
Another way to view energy costs at this facility is in \$173 per day or \$63,103 annually. This facility uses 1.7 times more energy than a median rated building of this type according to Energy Star.

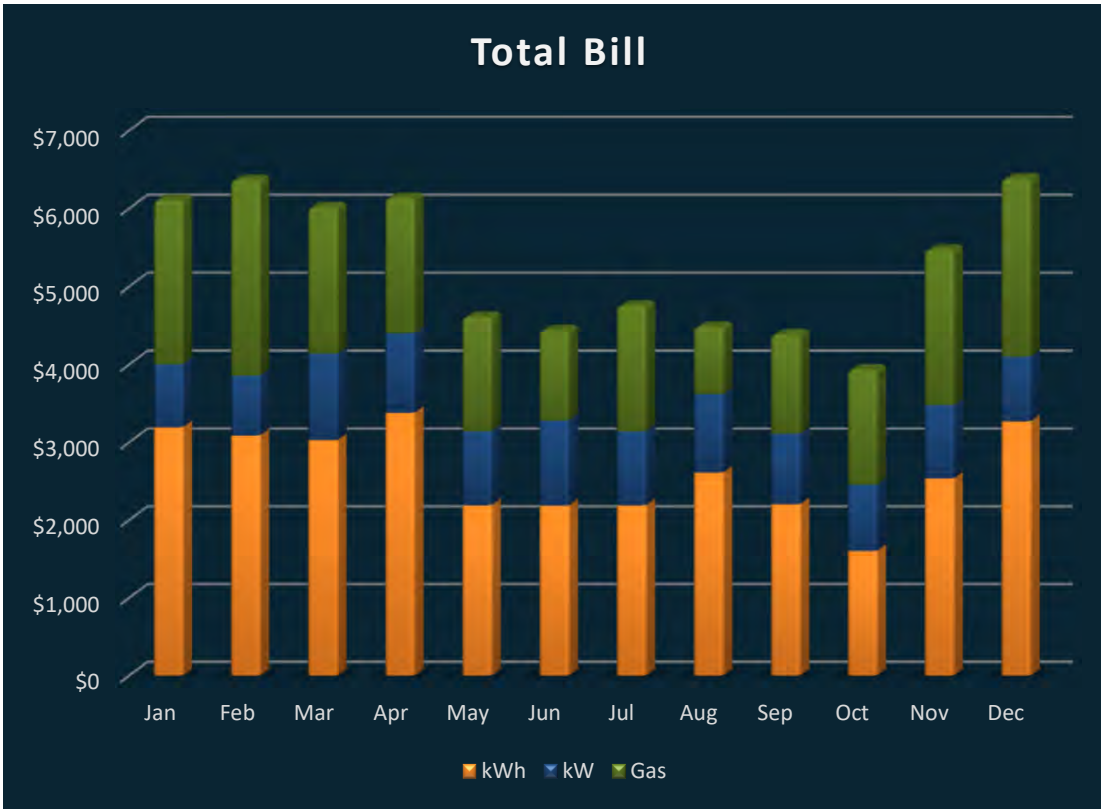
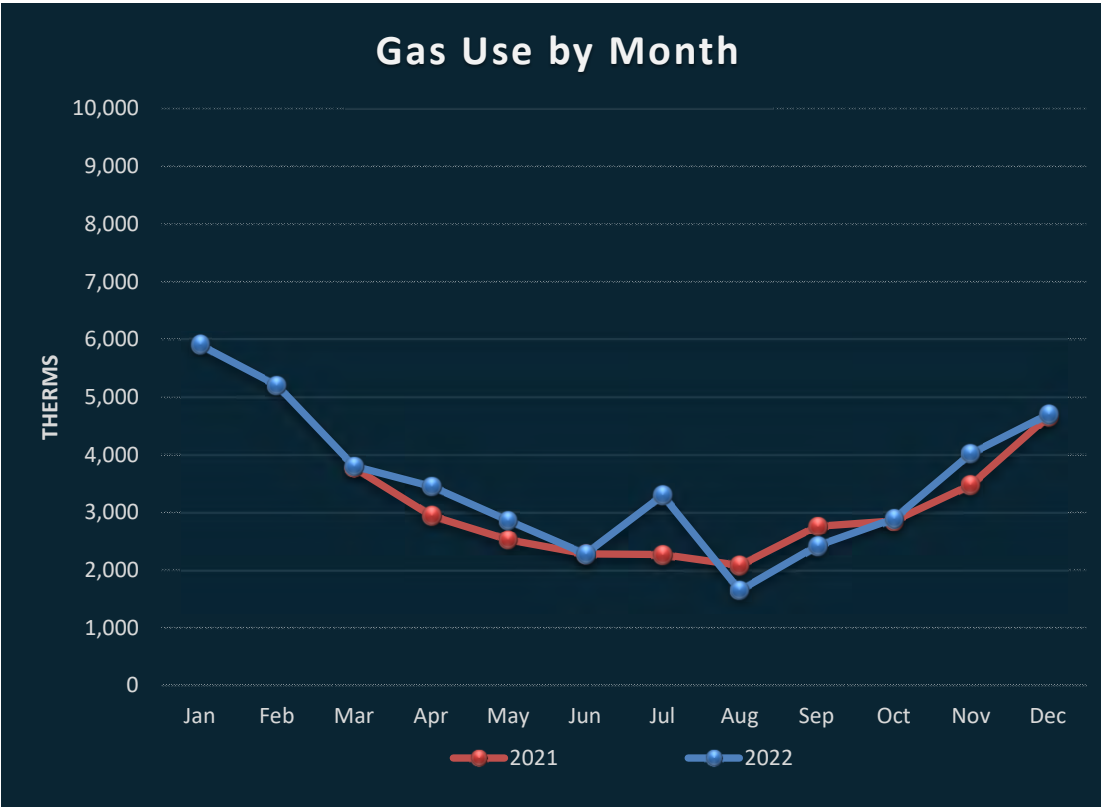
Energy Star indicates a potential reduction in energy costs or \$18,264 annually. With a five year payback, realizing this opportunity would require \$91,319 as the maximum investment. The environmental impact of this reduction would be equivalent to taking 45 cars off the road. We are excited about the significant energy savings potential at this facility!

Energy Cost by Month



Electricity Use by Month





**New Rooftop Mounted SolarArray
Ogle County Judicial Annex
July 2022 to July 2023**

Appropriated	\$277,645.84	7/19/2022
\$ 257,500.00	Solar Install	
\$ 13,000.00	Insurance	
\$ 7,145.84	SREC Collateral	
\$ 277,645.84	Total	

Payments	Date Paid	Items Covered
\$ 128,750.00	10/3/2022	Purchase & Store Materials
\$ 64,500.00	12/5/2022	Install Panels & Insurance
\$ 7,683.50	3/6/2023	SREC Collateral - Was \$537.66 more than original estimate.
\$ 200,933.50	Subtotal	

Outstanding Invoice	
\$ 25,750.00	Install Inverters
\$ 25,750.00	Install Electrical BOS
\$ 12,875.00	Commission System
\$ 12,875.00	Install Monitor & Complete Walkthru
\$ 77,250.00	Subtotal

\$ 278,183.50 Total Expenses (Paid + Outstanding)

\$ 277,645.84 Total Appropriated

\$ 537.66 Difference (Matches the difference between estimated SREC Collateral and Actual)



Ogle County Treasurer

105 S. 5th St.

Oregon, IL

61061

July - 2023

2110 Clearlake Blvd Suite 101
Champaign, Illinois 61822

Presented by: **Jason Vogelbaugh**
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Facility Description

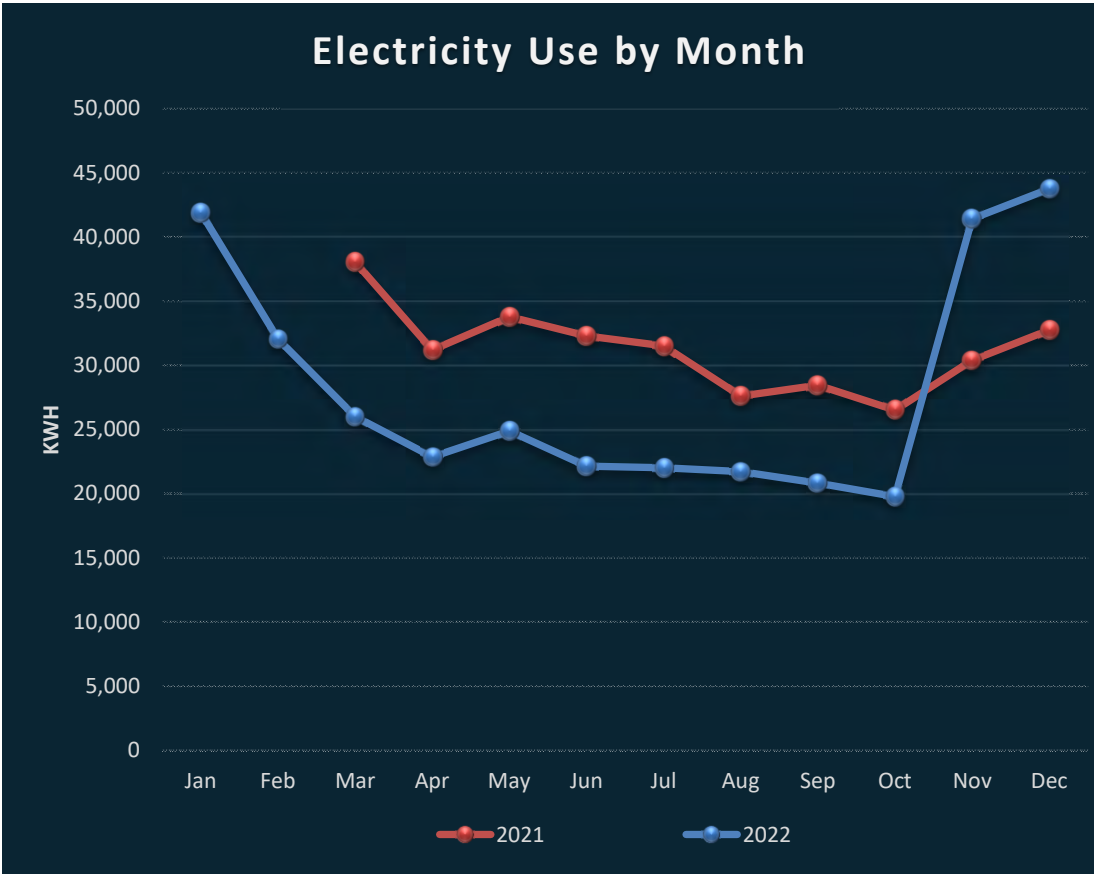
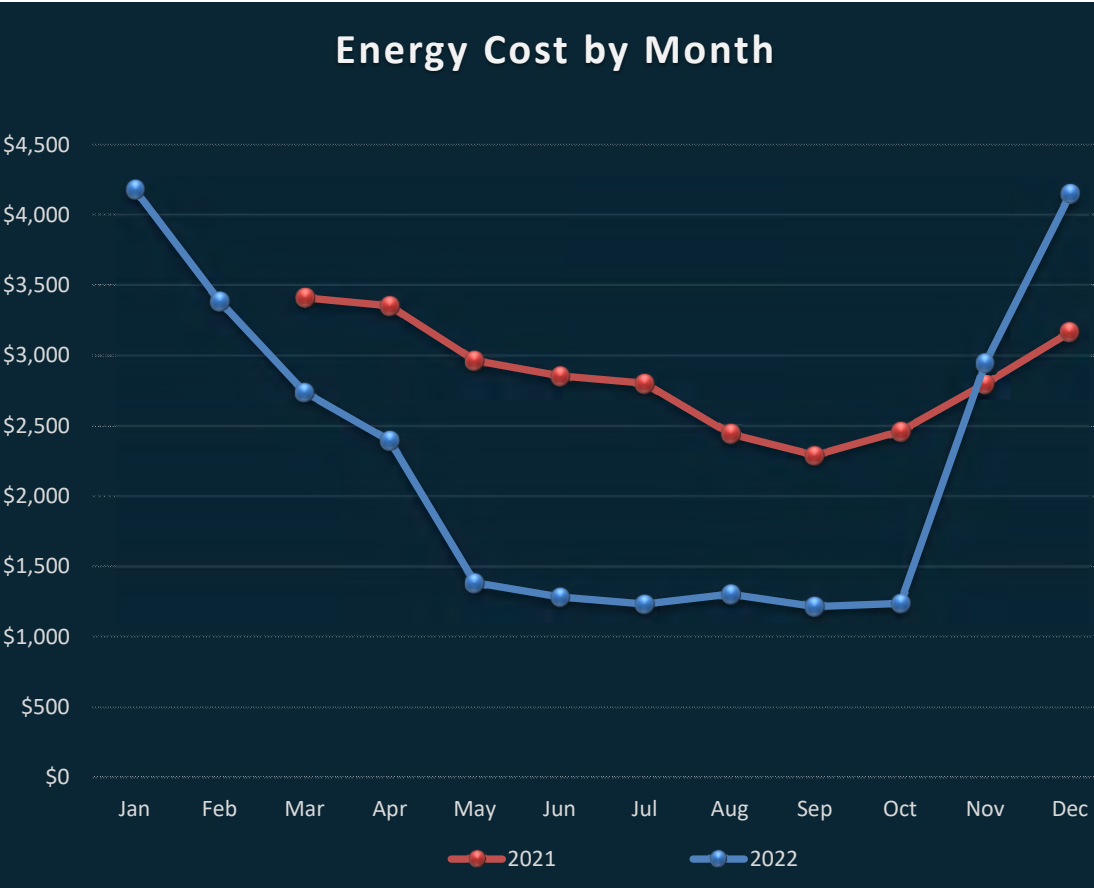
Ogle County Treasurer at 105 S. 5th St. Oregon, IL is a 37,141 square foot office building built in 1919. The office handles the financial transactions associated with county government, such as accounts payable, accounts receivables and payroll. They also Invest the county's assets and balance the funds and accounts, collect property and mobile home taxes and distribute them to the proper taxing bodies.

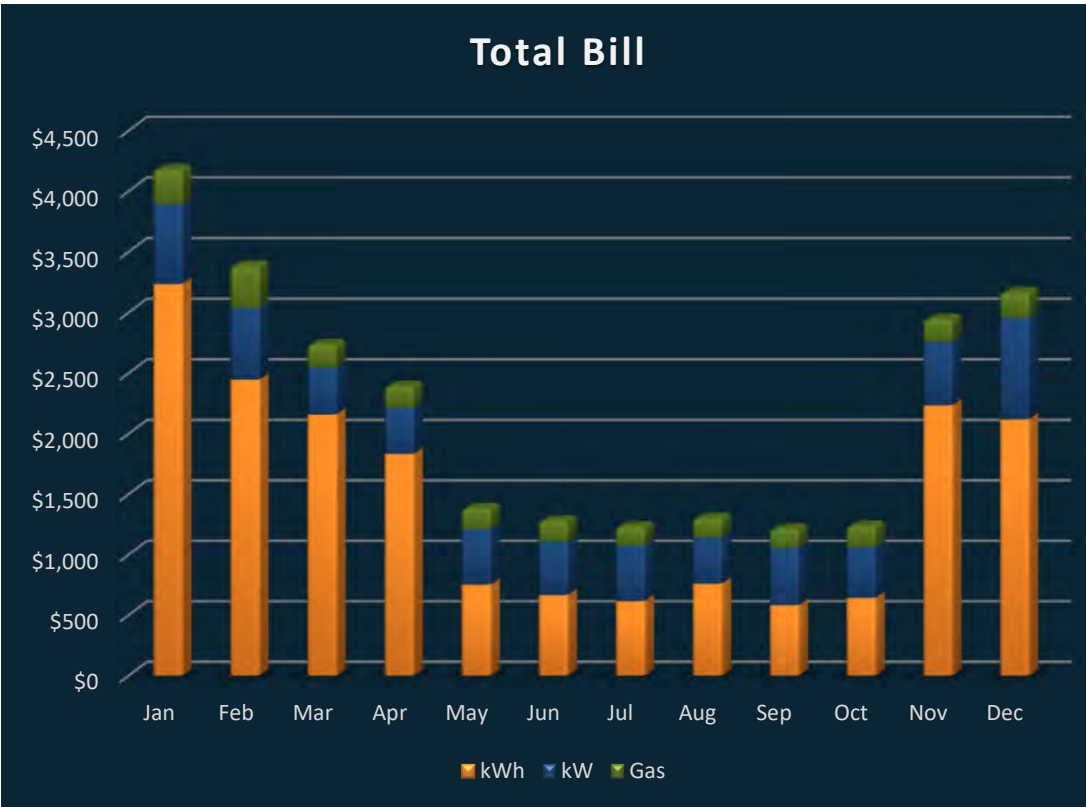
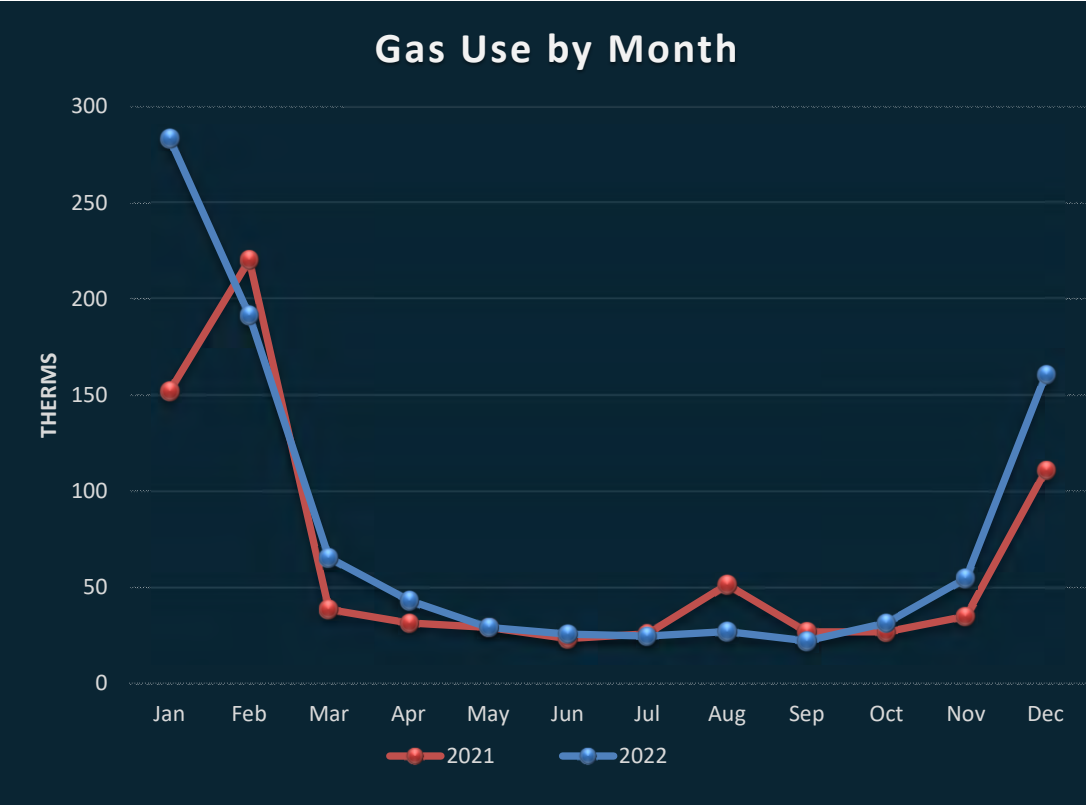
Energy Analysis Results

The United States Department of Energy's Target Energy Performance tool on the Energy Star website provides a national database reference tool to rank all buildings of similar types to compare energy efficiency. Entering the energy use data for your facility indicates energy consumption at \$0.74 per square foot compared to a top tier rated building of this type at \$0.68 per square foot.

Another way to view energy costs at this facility is in \$76 per day or \$27,650 annually. Using the Energy Star ranking system, this facility ranks 69 out of a possible 100 for energy use. This facility uses 1.1 times more energy than a 75% rated building of this type according to Energy Star.

Energy Star indicates a potential for 8% reduction in energy costs or \$2,220 annually. With a five year payback, realizing this opportunity would require \$11,100 as the maximum investment. The environmental impact of this reduction would be equivalent to taking 5 cars off the road.





Re: ComEd Energy Advice: Energy Savings Opportunity Alert

Ryan Uhland <ryan.uhland@powertakeoff.com>

Mon 7/10/2023 11:30 AM

To:Donald Griffin <dgriffin@oglecountyil.gov>

Hi Donald,

As your energy advisor, I wanted to reach out again regarding the energy consumption of the facility located at 106 S 5Th St. **Based on my preliminary analysis of the facility's consumption patterns, I've estimated the facility is using 245000 kWh more than expected which is equal to \$21810 lost annually.**

I would love to discuss these savings opportunities with you soon. Let me know some time that works for you this week or next.

Thanks,

Ryan

Ryan Uhland

Energy Advisor

Ryan.Uhland@powertakeoff.com

T 312.667.2425

By your continued participation in the Virtual Commissioning Program, including acting on any of the information provided in this email or provided through calls with Virtual Commissioning Program personnel, you acknowledge and agree that you have read and consent to the terms and conditions of the Virtual Commissioning Program

Participation Agreement. For more information please visit: <https://www.comed.com/WaysToSave/ForYourBusiness/Pages/FactSheets/VirtualCommissioning.aspx>

On Wed, Jul 5, 2023 at 10:29 am, Ryan Uhland wrote::

A conservative annual savings estimate is \$21,810

Observations:

- Notice the late shutdown and early start up times on the graph. Are there operations going on at these times?

Recommendations:

- Better align HVAC and lighting schedules with business operations
- Set unoccupied HVAC set-points to 80-85°F in the cooling season, 55-60°F in the heating season
- Ensure all unused equipment is fully shutdown or on power saver mode when not in use
- Enable economizer mode and optimal start/stop if applicable

Similar recommendations have saved our customers an average of 14% on their utility bills, I'm available this week to walk you through the energy data and my findings. Send me a couple times that will work for you, and I'll send over a meeting invite.

Thank you,
Ryan

Ryan Uhland
Energy Advisor
Ryan.Uhland@powertakeoff.com
T 312.667.2425



By your continued participation in the Virtual Commissioning Program, including acting on any of the information provided in this email or provided through calls with Virtual Commissioning Program personnel, you acknowledge