

CATALYST

Bill data done better (audits, visualization, analysis, sharing)



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EnergyCAP



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Chief Product & Tech Officer
EnergyCAP





Agenda

- Record: Bills Accurately
- Audit: Identify Issues
- Act: Focus on Quality
- Visualize: See the Forest *and* the Trees
- Share: Curate Your Story

Energy and Sustainability ERP // The single source of truth

Get instant access to validated, actionable data you can trust to better manage resource consumption, reduce your carbon footprint, reach net-zero, and drive massive savings.



Financial-grade greenhouse gas accounting

Target and track emissions.

An advanced, holistic view of financial-grade emissions data across your business with automatically applied factors to meet your ESG reporting needs.

Customer Data Type:

GHG activities

Persona:

Sustainability



Portfolio-level energy and sustainability reporting

Manage and see it all.

Get accurate and reliable energy and utility data across your entire portfolio and streamline energy and accounting workflows.

Customer Data Type:

Utilities/Bill/Resources

Persona:

Finance/Energy



Real-time energy and sustainability analytics

Dive deep. Respond quickly.

Dive deep into real-time performance of assets, devices, and sensors. Make quick, data-driven decisions for high-performance, net-zero buildings.

Customer Data Type:

Time-Series/Interval Energy

Persona:

Energy/Facilities

CAPture Services: Bill CAPture, Bill Processing/Managed Services

Energy and Sustainability ERP // The single source of truth

Get instant access to validated, actionable data you can trust to better manage resource consumption, reduce your carbon footprint, reach net-zero, and drive massive savings.



Portfolio-level energy and sustainability reporting

Manage and see it all.

Get accurate and reliable energy and utility data across your entire portfolio and streamline energy and accounting workflows.

Customer Data Type:
Utilities/Bill/Resources

Persona:
Finance/Energy

CAPture Services: Bill CAPture, Bill Processing/Managed Services

By the Numbers...Vendor Bills Tracked in UtilityManagement in 2023

**4.95 Million
Bills Tracked**

£13 Billion
(\$16.4 Billion)



**2.5 Million Bills
Exported to AP**

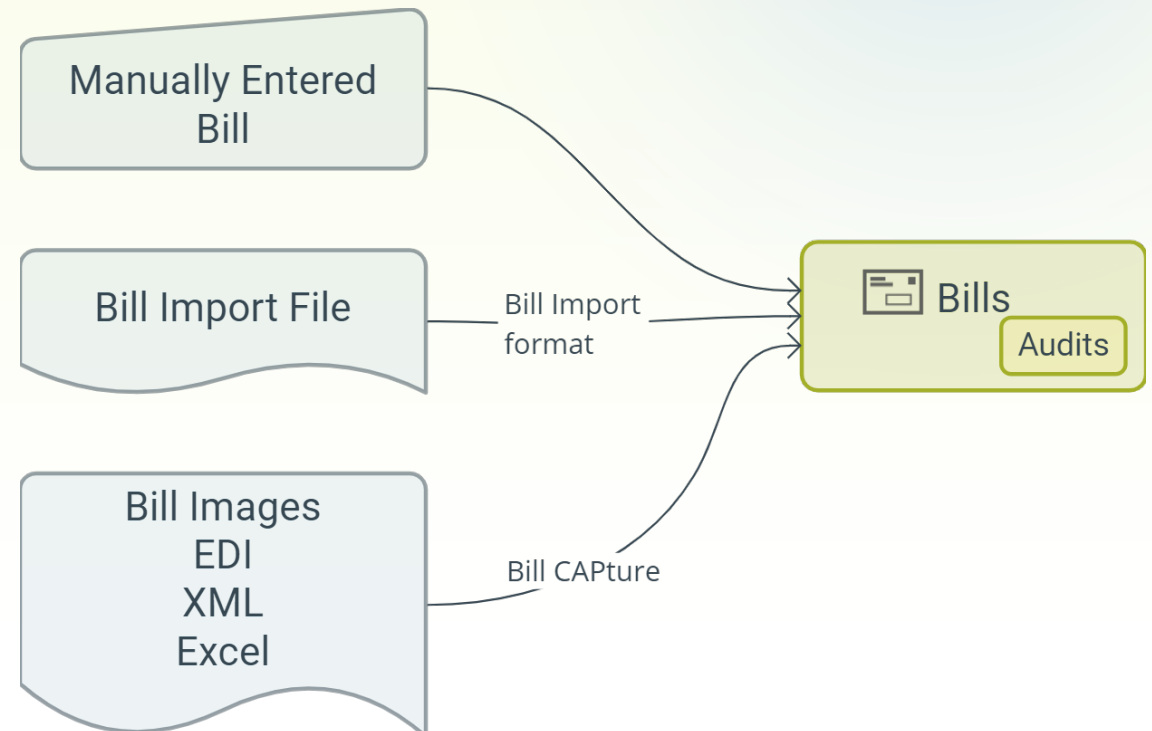
**25% Processed
via Bill CAPture**

Record: Bills Accurately

Recording Vendor Utility Bills

Flexible options for recording bills:

- Enter **manually**
- **Import** files
- **Bill CAPture** service



Hand-Key Bills

1400 N Lincoln Ave - ELE

1635011000

1400 N Lincoln Ave, Happy Valley, PA 12345, United States

PA Gas Electric Co.

PGE

United States

Batch

2023012

Currency ?

USD (\$)

Account History

Note

11/01/2022–12/02/2022	Nov 2022	\$8,194.39
11/01/2022–12/02/2022	Nov 2022	\$-8,194.39
10/03/2022–11/01/2022	Oct 2022	\$6,643.59
09/01/2022–10/03/2022	Sept 2022	\$7,495.63
08/03/2022–09/01/2022	Aug 2022	\$6,643.59

Start

09/01/2022

End

10/03/2022

Days

32

Amount due

\$

7495.63

Billing period

Septem

2022

Due date

10/27/2022

Statement date

10/03/2022

Control code

sample

Invoice number

☐ Estimated

City Hall-ELE01

CITY HALL-ELE01

Daily Use

2,240.625 kWh

↑16.4%

Daily Cost

\$234.24

↑13.7%

Unit Cost

\$0.105/kWh

↓2.4%

Demand

183.0 kW

↑2.8%

Actions

Basic Charge

Customer Charge

\$

45.00

System Usage Charge

Info_Use

0 kWh

\$

719.87

Off-Peak Usage

Off Peak Use

0 kWh

\$

717.98

On-Peak Usage

On Peak Use

0 kWh

\$

2416.82

Generation Demand Charge

Generation Billed Demand

183 kW

\$

856.44

Off-Peak Demand

Off Peak Demand

151 kW

\$

0.00

On-Peak Demand

On Peak Demand

kW

\$

269.01

Reactive Demand Charge

Reactive Billed Demand

/VAR

\$

0.00

Transmission Charge

Billed Demand

kW

\$

323.91

Distribution Charge Facility Cap

Info_Demand

30 kW

\$

142.50

Distribution Charge Facility Cap

178 kW

\$

827.70

Total Cost

\$7,495.63

Currency conversion automatically applied

Unit conversion automatically applied

Capture Bill Dates and Payment Details

Lines mapped to specific types for consistent reporting

Captions can match original bill for transparency and auditability

Unlimited number of line items

Additional Hand-Key Features

Easily modify line items as vendor bills change

Problem data automatically highlighted

• Bill ends in the future

• Bill overlaps with another bill

• Bill is significantly shorter or longer than previous bills

• Statement date is before the end date of the bill

1400 N Lincoln Ave - ELE
1635011000
1400 N Lincoln Ave, Happy Valley, PA 12345, United States

PA Gas Electric Co.
PGE
United States

Batch

20230126_BILLCAPTURE

Currency ⓘ

USD (\$)

Account History

Note

11/01/2022–12/02/2022

Nov 2022

\$8,194.39

11/01/2022–12/02/2022

Nov 2022

\$-8,194.39

10/03/2022–11/01/2022

Oct 2022

\$6,643.59

09/01/2022–10/03/2022

Sep 2022

\$7,495.63

08/03/2022–09/01/2022

Aug 2022

\$7,604.47

Start

09/01/2022

End

07/18/2023

Days

320

Amount due

\$

7495.63

Billing period

Septer

▼

2022

▼

Due date

MM/DD/YYYY

Statement date

10/03/2022

Control code

sample

Invoice number

☒ Estimated

City Hall-ELE01
CITY HALL-ELE01

Actions ▼

Daily Use
224.063 kWh
↓88.4%

Daily Cost
\$23.42
↓88.6%

Unit Cost
\$0.105/kWh
↓2.4%

Demand
183.0 kW
↑2.8%

Basic Charge
Customer Charge

\$

45.00

System Usage Charge
Info_Use

71700 kWh

\$

719.87

Off-Peak Usage
Off Peak Use

21600 kWh

\$

717.98

On-Peak Usage
On Peak Use

50100 kWh

\$

2416.82

Generation Demand Charge
Generation Billed Demand

183 kW

\$

856.44

Off-Peak Demand
Off Peak Demand

151 kW

\$

0.00

On-Peak Demand
On Peak Demand



183 kW

\$

269.01

Demonstration

Bill Import

 Happy Valley?7D

Edit Bill Import Format

Cancel

Save

Name

Date format

Water Co. Bill Format

dd/mm/yyyy

Bill header information

Import file column

+

Account number

Start

End

Commodity

Meter code

Column A

Column D

Column E

Column C

Column B

Bill line type

Label

Units

+

Use

Usage

kWh

Column I

Charge

Cost

USD (\$)

Column L

Demand

Peak Demand

kW

Column M

Tax

Adjustment Tax

USD (\$)

Column N

Fee

Sustainability Fund

USD (\$)

Column O

Info_Use

Meter Reading

Value

Column P

Import spreadsheets with **multiple bills** at one time

Create **unlimited number of custom formats**—define and save your formats for easy reuse

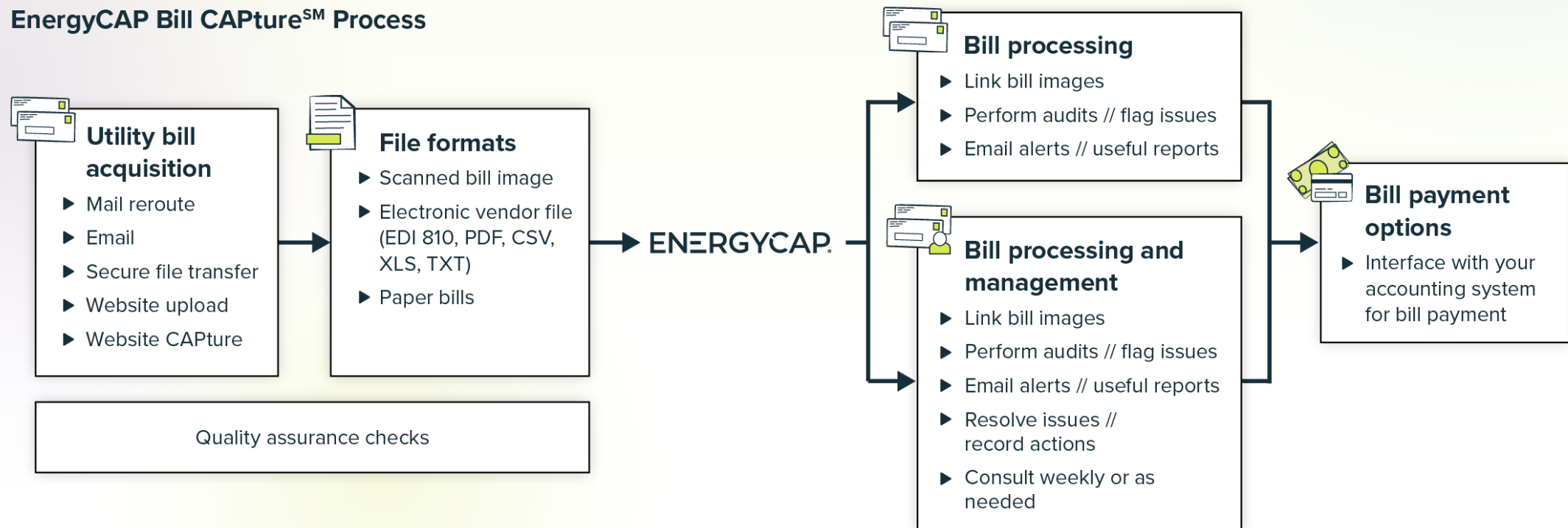
Avoid unnecessary intermediate steps and reformatting

Bill CAPtureSM

Capture utility bill data and convert it into important **energy cost** and **consumption** information.

We do the work for you to collect, interpret, process, and enter utility bills into EnergyCAP.

EnergyCAP Bill CAPtureSM Process



Audit: Identify Issues

Bill Audits

Bill audits are powerful tools for data validation, examining utility bill data for **accuracy** and **unusual patterns of use or cost**.

Audits **flag bills** for manual review and indicate there may be a problem.

All bills are audited as they are entered into UtilityManagement (hand-keyed, imported, Bill CAPture).

A bill can also be manually flagged by a user.





Audits

Cancel

Save

BILL ENTRY

› Duplicate bill Likely duplicate bill on account		Skip	Flag	Flag & Hold
› Repeat invoice number Invoice number is repeated on account		Skip	Flag	Flag & Hold
› Gap between bills Gap of two or more days between this bill and the preceding bill on the same account. Use Report-17 to find 1-day gaps.		Skip	Flag	Flag & Hold
› Overlapping bill Bill overlaps with another bill on the same account		Skip	Flag	Flag & Hold
› Multiple bills in period Multiple bills for the same account in the same billing period		Skip	Flag	Flag & Hold
› Shorter or longer bill Bill is significantly shorter or longer than previous bills for the same account	50 %	Skip	Flag	Flag & Hold
› Consecutive estimated bills Too many consecutive estimated bills on account	3 bills	Skip	Flag	Flag & Hold
› Future end date Bill unexpectedly ends in the future		Skip	Flag	Flag & Hold
› Unexpected billing period Billing period is outside the bill's start and end dates		Skip	Flag	Flag & Hold
› Early due date Due date is before the end date of the bill		Skip	Flag	Flag & Hold
› Late due date Due date is too many days after the end date of the bill	60 days	Skip	Flag	Flag & Hold
› Early statement date Statement date is before the end date of the bill		Skip	Flag	Flag & Hold
› Late statement date Statement date is too many days after the end date of the bill	30 days	Skip	Flag	Flag & Hold
› High use per day Use per day is higher than expected based on prior bills on the same meter		Skip	Flag	Flag & Hold

Additional Audit Options

Skip specific audit checks

Automatically assign flagged bills based on issues

Ignore bills below a certain threshold

▼ Consecutive estimated bills

Too many consecutive estimated bills on account

3 bills

Skip

Flag

Flag & Hold

Minimum bill total cost

\$

450

Default assignees

Alexandra Reagan ×

Chris Houdeshell ×

Advanced Outlier Audits – *use your bill history to your advantage!*

OUTLIER

Outlier audits find bills with meters that have moderate, high, or severe abnormal cost, use, or demand. [Learn more](#) 

> Abnormal cost

Abnormal cost with the configured outlier analysis sensitivity

Moderate



> Abnormal use

Abnormal use with the configured outlier analysis sensitivity

High



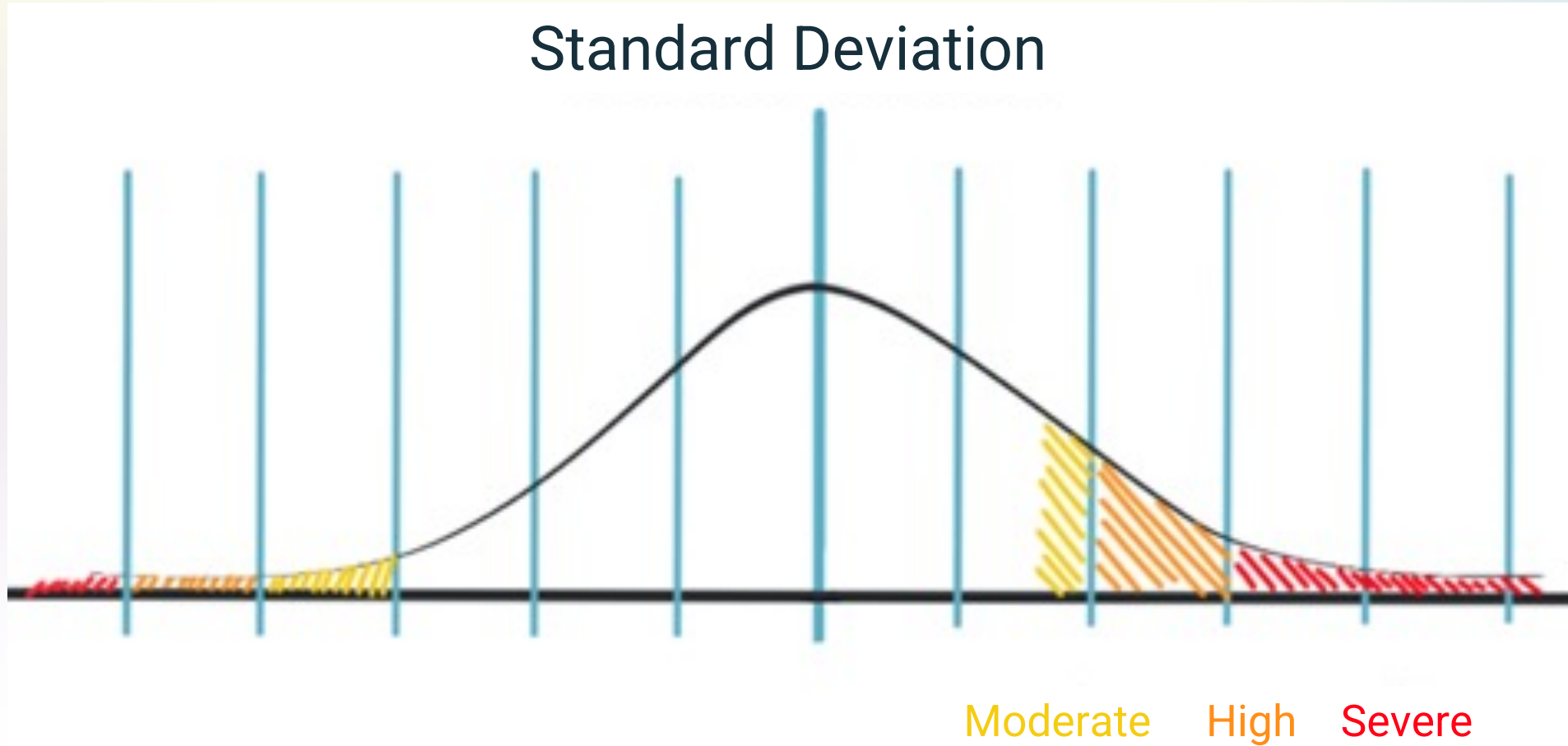
> Abnormal demand

Abnormal demand with the configured outlier analysis sensitivity

Severe



Outlier Detection – comparing your bill to a “predicted bill”

























Demonstration

Act: Focus on Quality

Easily find bills that need attention

\$27,849.13 / 20 bills

[Columns](#) [Sort](#)

<input type="checkbox"/> Billing Period ↓	Account Number ↑	Bill Begin Date	Bill End Date	Total Cost	Bill Entry Date	Bill Use
<input type="checkbox"/> Nov 2022  	415653-5	11/08/2022	12/12/2022	\$870.16	01/26/2023	693 THERM
<input type="checkbox"/> Nov 2022  	42222-0	10/21/2022	11/21/2022	\$156.95	01/26/2023	114 THERM
<input checked="" type="checkbox"/> Nov 2022  	42242-8	10/21/2022				
<input type="checkbox"/> Nov 2022  	494343-7	11/03/2022				
<input checked="" type="checkbox"/> Nov 2022  	496669-3	11/03/2022	12/07/2022	\$1,699.52	01/26/2023	1353 THERM
<input type="checkbox"/> Nov 2022  	498723-6	11/03/2022	12/07/2022	\$1,421.53	01/26/2023	1132 THERM
<input type="checkbox"/> Nov 2022  	757604-4	11/03/2022	12/07/2022	\$3,374.00	01/26/2023	2575 THERM
<input type="checkbox"/> Nov 2022  	880755-4	11/07/2022	12/09/2022	\$1,769.47	01/26/2023	1402 THERM
<input type="checkbox"/> Oct 2022  	2667945-6	10/03/2022	10/31/2022	\$16.09	01/26/2023	0 THERM
<input type="checkbox"/> Oct 2022  	2904044-1	10/21/2022	11/21/2022	\$136.01	01/26/2023	100 THERM
<input type="checkbox"/> Oct 2022  	2907560-3	10/21/2022	11/21/2022	\$59.93	01/26/2023	36 THERM

Unresolved Flags

Flag type

Flag issue

Flag assignee

Search flag types

Search issues

Search users

1-20 of 20 bills sorted by Billing Period (descending), Account Number (ascending)

 Analyzing  Unresolved  Resolved  Held  Void  Accrual

Easily find bills that need attention

Bill Flags												
More Actions		Share		Add Widget								
Topmost place ?		Building group ?										
<input type="text"/>		<input type="text"/>		Reset								
Unresolved Bill Flags ?												
Total Flags	Total Cost											
263	\$393,544.42											
	Total Cost Recovery											
	\$0.00											
Show Details												
Bill Flags Assigned to Me ?												
Total Flags	Total Cost											
50	\$27,207.87											
	Total Cost Recovery											
	\$0.00											
Show Details												
Unresolved Bill Flags on Held Bills ?												
Total Flags	Total Cost											
263	\$393,544.42											
	Total Cost Recovery											
	\$0.00											
Show Details												
Resolved Bill Flags ?												
Total Flags	Total Cost											
936	\$1,789,937.38											
	Total Cost Recovery											
	\$600.00											
Show Details												

Reports Highlight Possible Issues

Happy Valley			Report-17 - Overlapping and Days Without Bills by Meter by Billing Period																				
Vendor	Account Code	Meter	# Bills	Average bill cost	Average cost per day	Total estimated value of problem days	Billing periods in date range	Billing periods without Bills	Billing periods with multiple bills	Total days w/o bills	Total overlapping days	202201	202202	202203	202204	202205	202206	202207	202208	202209	202210	202211	202212
PA Commonwealth	00051661-066 4	10th & Central	11	\$2,151.00	\$69.80	\$1,814.71	12	1	0	26	0	1	1	1	1	1	1	1	1	1	1	1	0
PA Commonwealth	001-8675-309	Data Center -	12	\$13,404.52	\$440.70	\$0.00	12	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
PA Commonwealth	001-8675-309	Data Center - Non-	12	\$17,883.49	\$587.95	\$0.00	12	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
PA Commonwealth	05125121-010 3	North Precinct-	6	\$4,382.58	\$92.59	\$15,832.85	12	6	0	171	0	1	1	0	0	1	1	1	0	0	1	0	0
PA Commonwealth	05125121-010 3	North Precinct-	4	\$21.92	\$0.31	\$71.01	12	8	0	230	0	1	0	0	0	1	1	0	0	0	1	0	0
PA Commonwealth	05125121-010 3	North Precinct-	6	\$65.83	\$1.39	\$237.84	12	6	0	171	0	1	1	0	0	1	1	1	0	0	1	0	0
PA Commonwealth	05125121-031 9	Twin Pines Garage-	10	\$93.23	\$2.94	\$170.59	12	2	0	48	10	1	1	1	1	0	1	1	1	1	1	1	0
PA Commonwealth	05125121-034 3	Twin Pines Garage-	11	\$37.96	\$1.22	\$29.39	12	1	0	24	0	1	1	1	1	1	1	1	1	1	1	1	0
PA Commonwealth	05125121-055 8	Thomas Square	10	\$191.97	\$5.56	\$578.68	12	3	1	84	20	1	1	1	0	1	1	2	1	1	0	1	0
PA Commonwealth	05125121-090 5	Tanner Garage-	10	\$5,187.96	\$163.66	\$17,838.73	12	3	1	77	32	1	1	0	1	1	1	1	1	1	2	0	0
PA Commonwealth	63703541-001 7	Tanner Garage-	11	\$877.44	\$28.30	\$679.31	12	1	0	24	0	1	1	1	1	1	1	1	1	1	1	1	0
PA Commonwealth	70787215-001 6	North Precinct-	9	\$85.76	\$2.47	\$207.15	12	3	0	84	0	1	1	1	1	1	1	1	0	1	1	0	0
National Weller	1027863-8	Train Station-NG01	11	\$781.38	\$25.28	\$632.00	12	1	0	25	0	1	1	1	1	1	1	1	1	1	1	1	0
National Weller	1045103-7	North Precinct-	9	\$52.20	\$1.60	\$160.36	12	3	0	100	0	1	1	1	1	0	1	1	1	1	1	0	0
National Weller	124907-8	East Precinct-NG01	10	\$170.17	\$5.25	\$367.66	12	2	0	70	0	1	1	1	1	1	1	0	1	1	1	1	0
National Weller	1498884-4	Warehouse-NG02	10	\$609.25	\$17.81	\$997.60	12	2	0	56	0	1	1	0	1	1	1	1	1	1	1	1	0
National Weller	1529774-0	North Precinct-	9	\$53.22	\$1.63	\$163.47	12	3	0	100	0	1	1	1	1	0	1	1	1	1	1	0	0
National Weller	1874994-5	Twin Pines Garage-	11	\$18.01	\$0.61	\$25.07	12	1	0	41	0	1	1	1	1	1	1	1	1	1	1	1	0
National Weller	2103598-5	Warehouse-NG01	10	\$13.56	\$0.40	\$21.41	12	2	0	54	0	1	1	0	1	1	1	1	1	1	1	1	0
National Weller	2143688-6	Happy Valley	10	\$996.22	\$29.30	\$1,670.14	12	2	0	57	0	1	1	1	1	0	1	1	1	1	1	1	0
National Weller	2667648-6	Airport Police	11	\$1,221.84	\$41.48	\$1,700.78	12	1	0	41	0	1	1	1	1	1	1	1	1	1	1	1	0
National Weller	2667945-6	Strickland Building-	11	\$16.27	\$0.53	\$16.02	12	1	0	30	0	1	1	1	1	1	1	1	1	1	1	1	0
National Weller	2690103-3	Wilson Building-	12	\$736.80	\$25.33	\$405.35	12	1	1	16	0	1	1	2	1	1	1	1	0	1	1	1	1
National Weller	2904044-1	North Precinct-	11	\$53.11	\$1.80	\$73.92	12	2	1	41	0	1	1	1	1	1	1	1	2	1	1	0	0
National Weller	2907560-3	North Precinct-	11	\$45.45	\$1.54	\$63.26	12	2	1	41	0	1	1	1	1	1	1	1	2	1	1	0	0
National Weller	339907-8	Tanner Garage-	11	\$1,035.62	\$35.16	\$1,441.56	12	1	0	41	0	1	1	1	1	1	1	1	1	1	1	1	0
National Weller	393885-9	Communications	10	\$310.79	\$9.56	\$659.82	12	2	0	69	0	1	1	1	1	0	1	1	1	1	1	1	0
National Weller	415653-5	Jacobs Precinct-	10	\$296.18	\$8.58	\$420.65	12	2	0	49	0	1	1	1	0	1	1	1	1	1	1	1	0
National Weller	42222-0	North Precinct-	10	\$115.84	\$3.58	\$246.70	12	2	0	69	0	1	1	1	1	0	1	1	1	1	1	1	0
National Weller	42242-8	North Precinct-	10	\$30.48	\$0.94	\$64.91	12	2	0	69	0	1	1	1	1	0	1	1	1	1	1	1	0
National Weller	494343-7	Train Station-NG02	11	\$3,405.83	\$110.19	\$2,754.72	12	1	0	25	0	1	1	1	1	1	1	1	1	1	1	1	0
National Weller	496669-3	1st & Main Parking	9	\$636.35	\$16.84	\$1,549.70	12	3	0	86	6	1	1	1	1	1	1	1	0	1	0	1	0
National Weller	498723-6	3rd & West Parking	10	\$399.49	\$11.75	\$634.49	12	2	0	54	0	1	1	1	0	1	1	1	1	1	1	1	0
National Weller	757604-4	City Hall-NG01	11	\$1,273.23	\$41.19	\$1,029.82	12	1	0	25	0	1	1	1	1	1	1	1	1	1	1	1	0
National Weller	880755-4	Twin Pines Mall-	11	\$539.02	\$17.34	\$398.75	12	1	0	23	0	1	1	1	1	1	1	1	1	1	1	1	0
Internal - Happy	SPLT_KHS-090-	Split - Keene	24	\$1,820.09	\$119.68	\$43,682.21	12	0	12	0	365	2	2	2	2	2	2	2	2	2	2	2	2

Reports Highlight Possible Issues



Happy Valley

Report-27 - Bill Flags

Account: **1060 Twin Pines Blvd - WAT02 [299-562-120-0]**

1060 Twin Pines Blvd, Happy Valley, PA 12345

Vendor: **Port and Land Water [PORTLANDWATER]**

Bill ID	Billing Period	Start Date	End Date	# Days	Statement Date	Due Date	Cost
23924	201905	4/26/2019	5/29/2019	33	6/6/2019	6/27/2019	\$48.81

Flag Type: Questionable Bill Flag Status: Resolved Assigned to: Douglas Underhill Cost Recovery: \$0.00

Flag Issue:

08/19/2021 02:33 PM amr *Flag resolved*

- Updated bill start date

09/05/2019 04:43 AM dwu *Assignees changed to David Ulmer. Flag type changed to Questionable Bill*

- Please review

09/04/2019 05:34 PM SYSTEM *Bill flagged as Audit Exception*

- Gap of one or more days between this bill and the preceding bill

Account: **300 SW 10th Ave - WAT02 [299-570-900-0]**

818 SW 4th Ave, Happy Valley, PA 12345

Vendor: **Port and Land Water [PORTLANDWATER]**

Bill ID	Billing Period	Start Date	End Date	# Days	Statement Date	Due Date	Cost
23931	201905	5/1/2019	6/3/2019	33	6/11/2019	7/2/2019	\$139.12

Flag Type: Questionable Bill Flag Status: Resolved Assigned to: Douglas Underhill Cost Recovery: \$0.00

Flag Issue: Gap between bills

05/21/2021 11:30 AM amr *Flag resolved*

09/05/2019 04:43 AM dwu *Assignees changed to David Ulmer. Flag type changed to Questionable Bill*

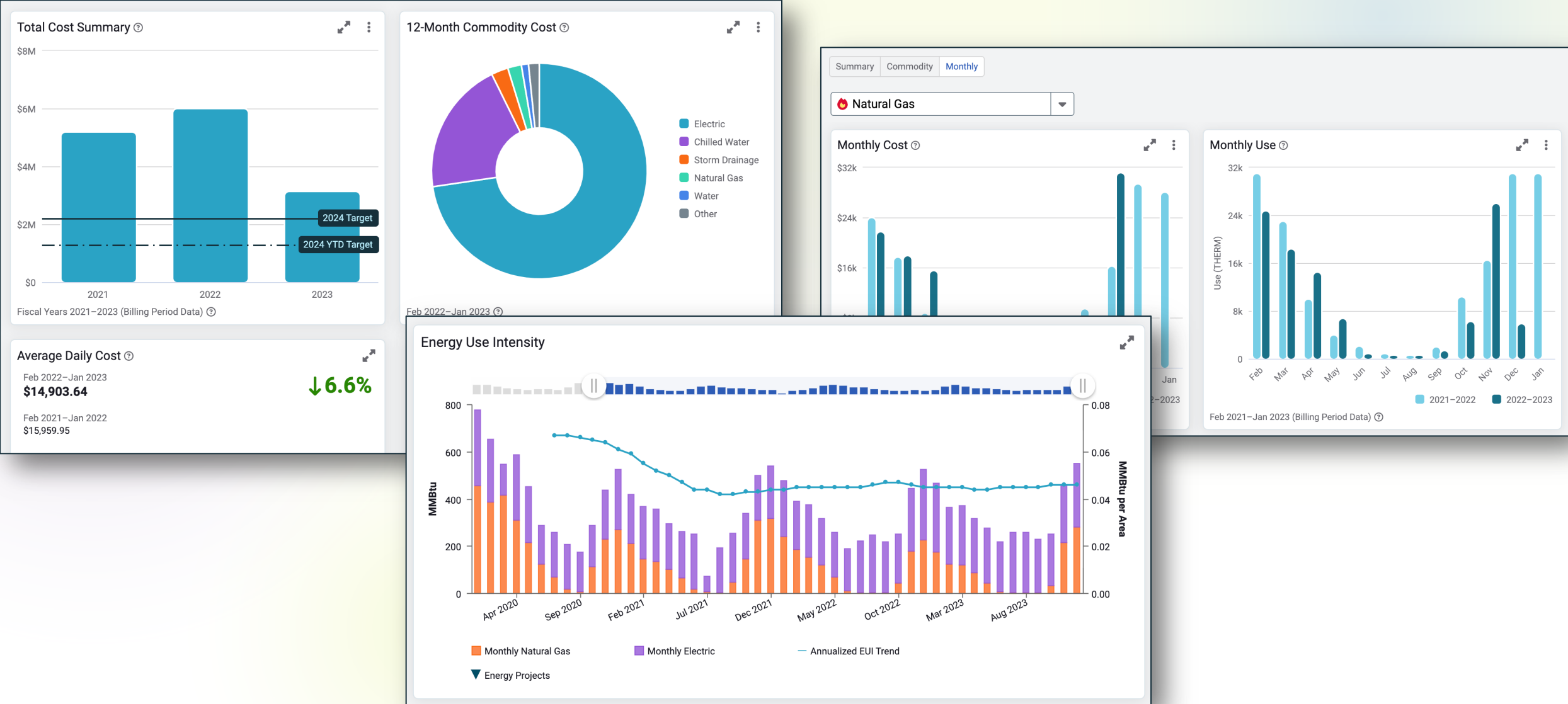
- Please review

09/04/2019 05:34 PM SYSTEM *Bill flagged as Audit Exception*

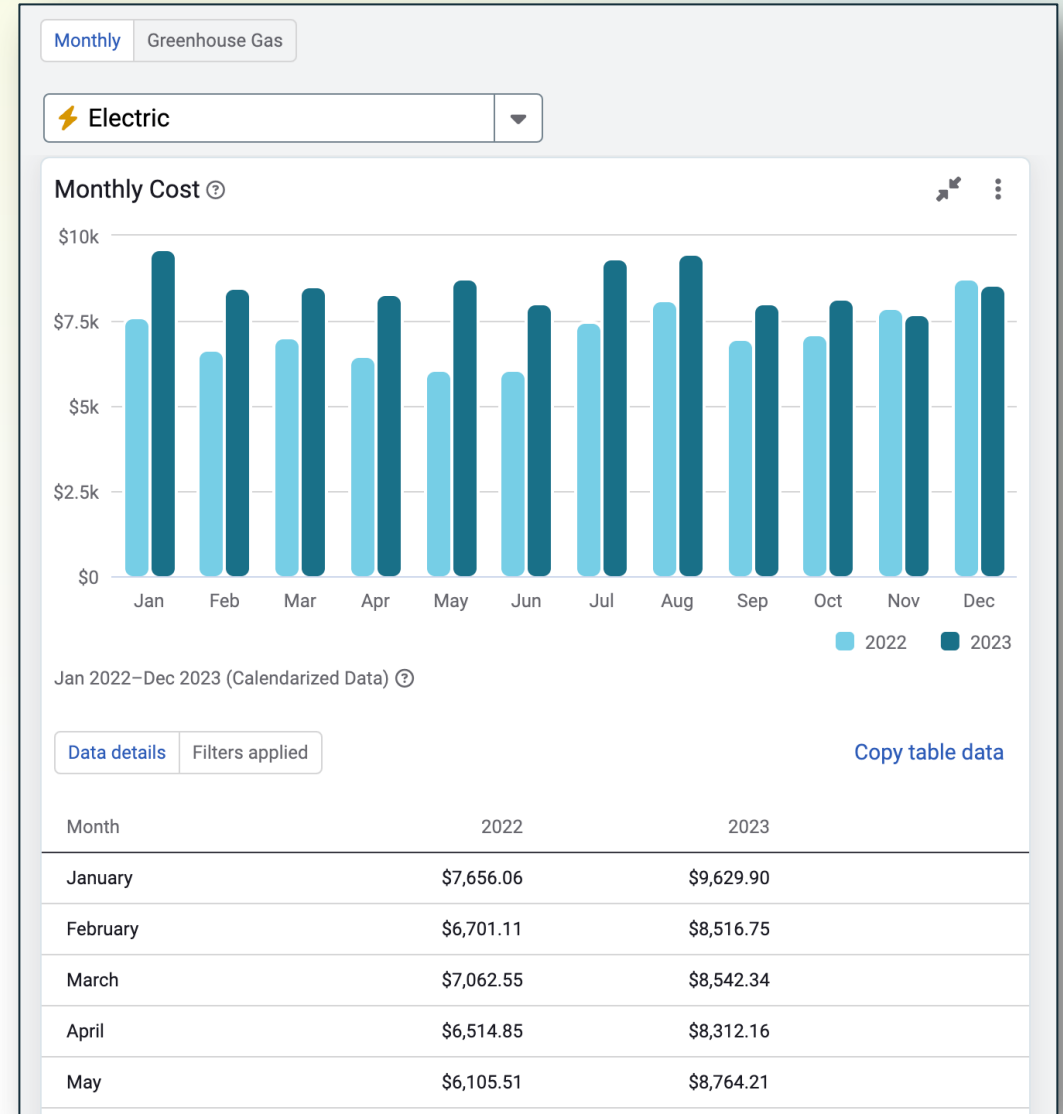
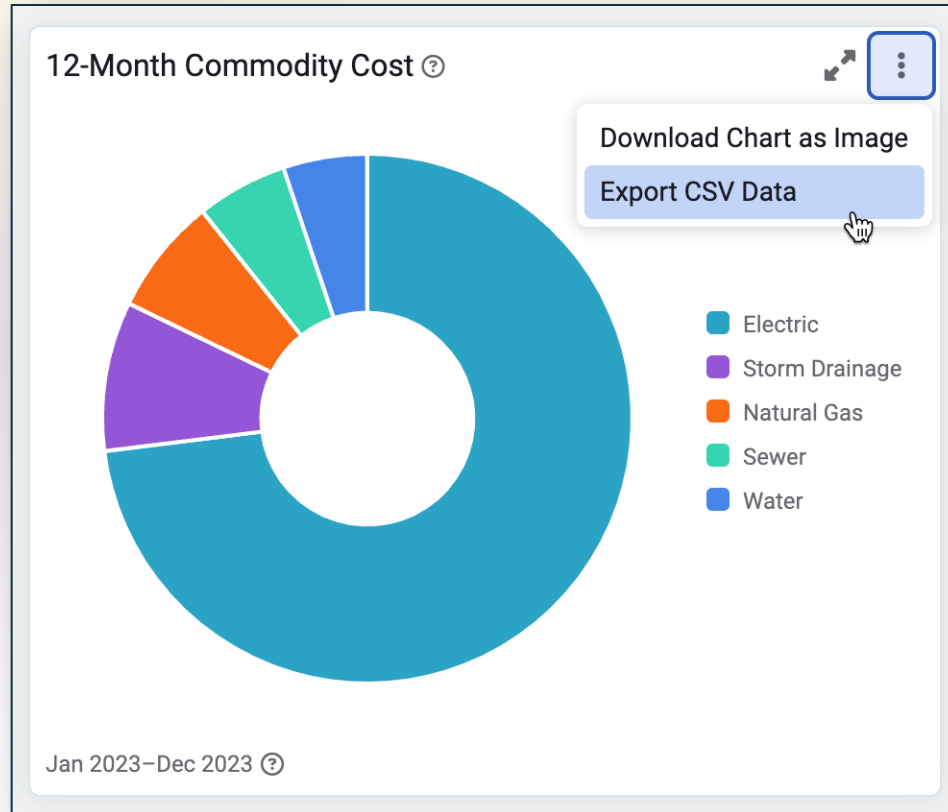
- Gap of one or more days between this bill and the preceding bill

Visualize: See the Forest and the Trees

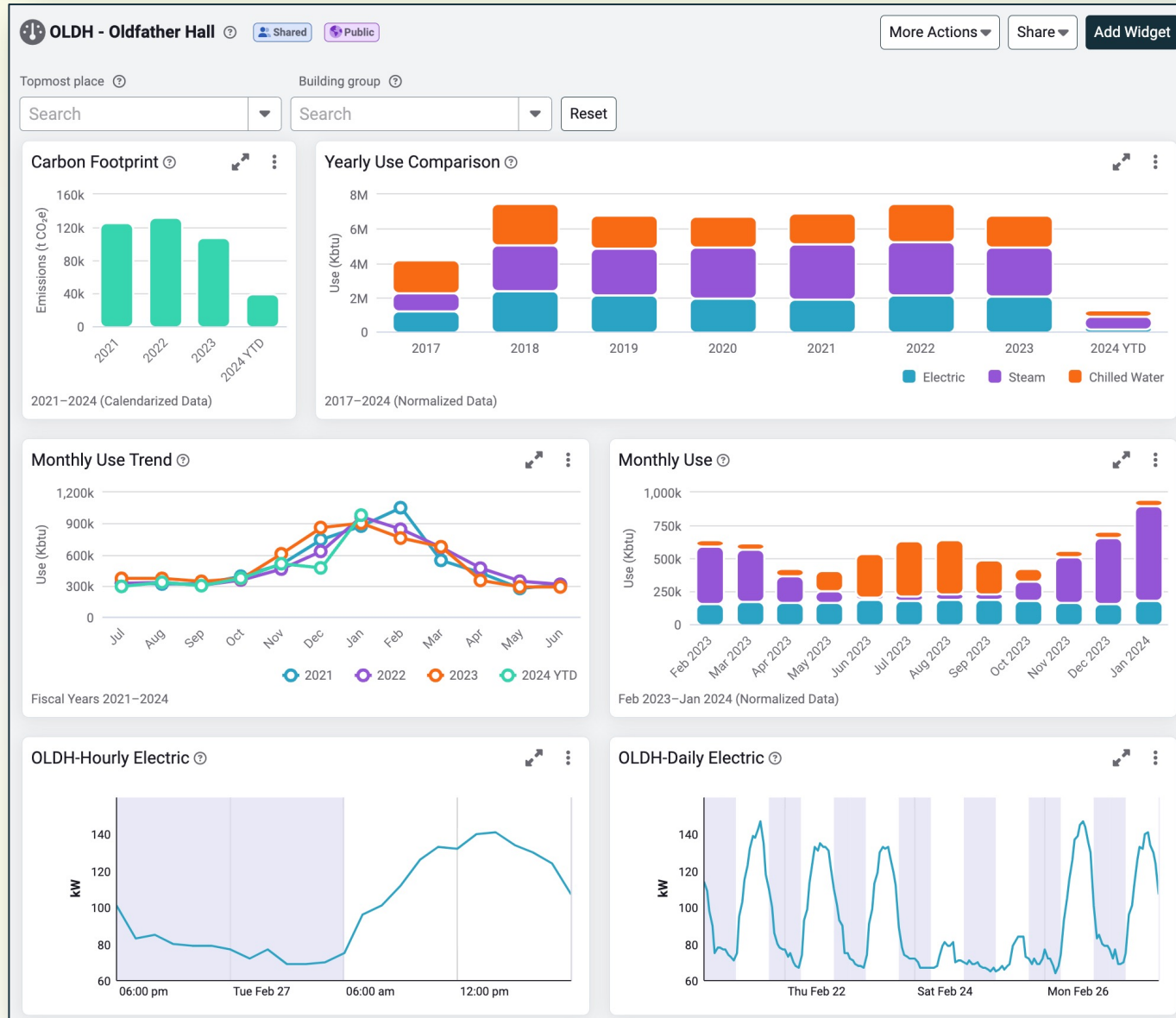
Powerviews – built-in, no configuration required



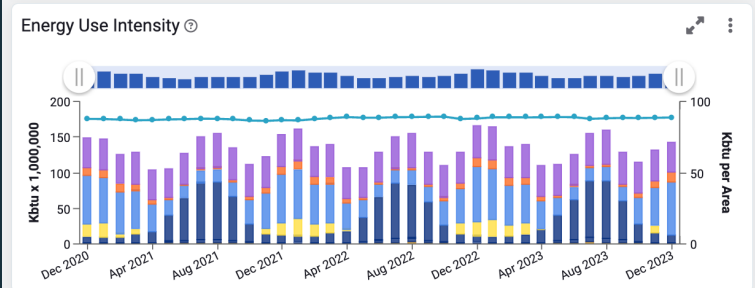
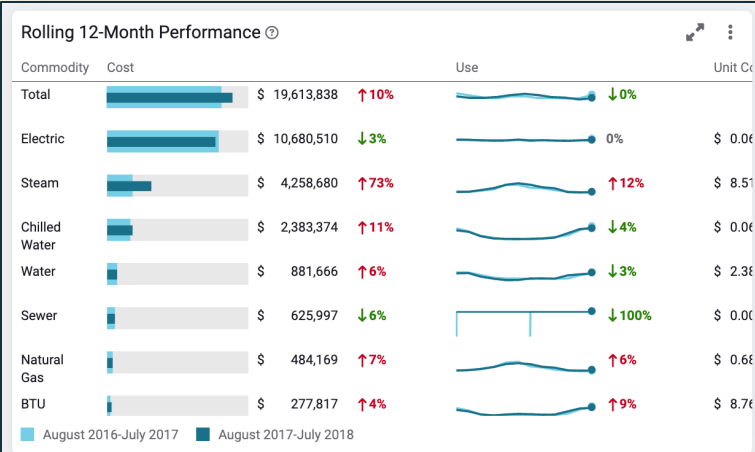
Powerviews – easily copy image and copy/export data



Dashboards – *infinite flexibility and possibilities*



Dashboards – infinite flexibility and possibilities



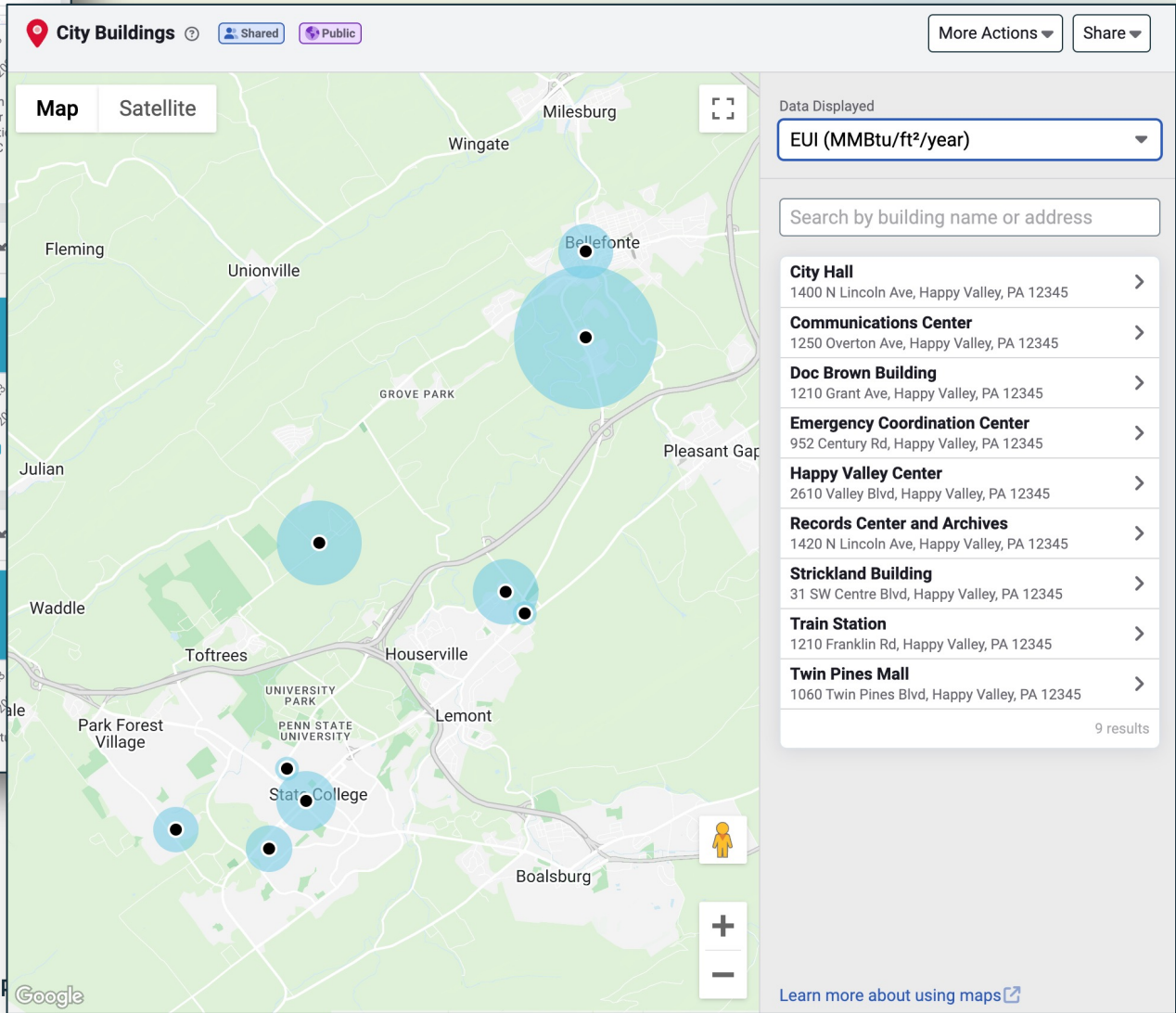
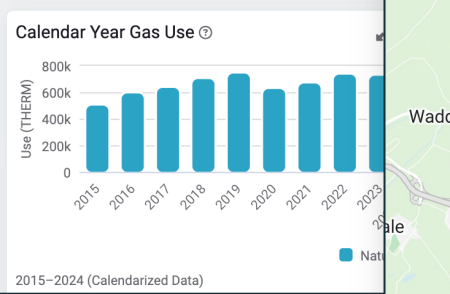
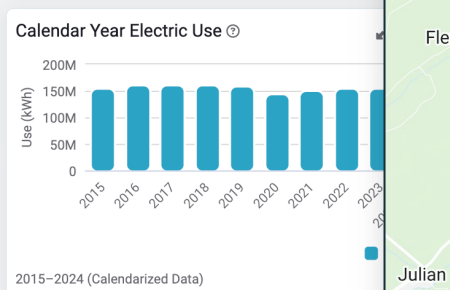
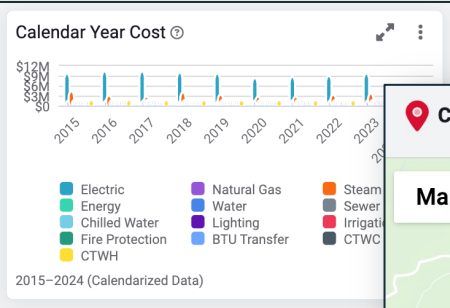
Highest Use Meters, Last Fiscal Year-U...

SUM-CCUP.ENERGY.STEAM_DIST.LOSS	55,074,584.53 Kbtu
SPLT-HAH.STEAM.MPS.EMCS	26,859,603.36 Kbtu
SPLT-HAH.CHW.BLDG.EMCS	25,451,912.85 Kbtu

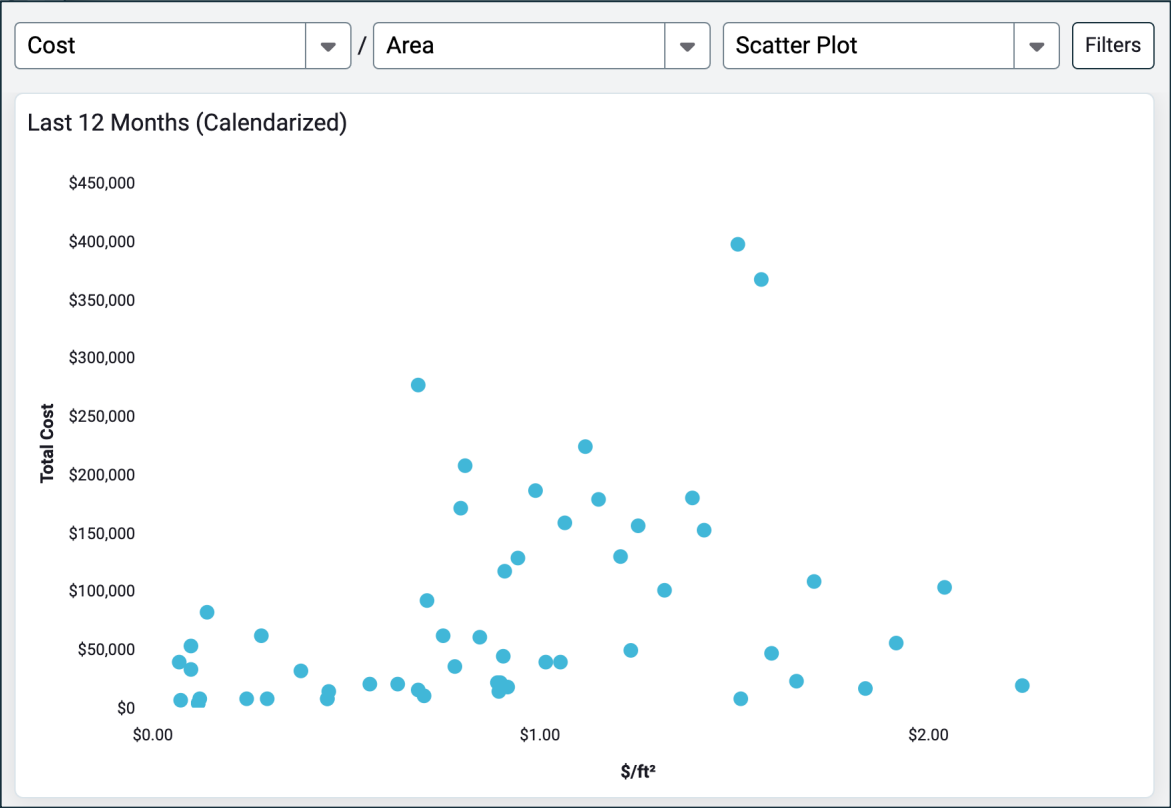
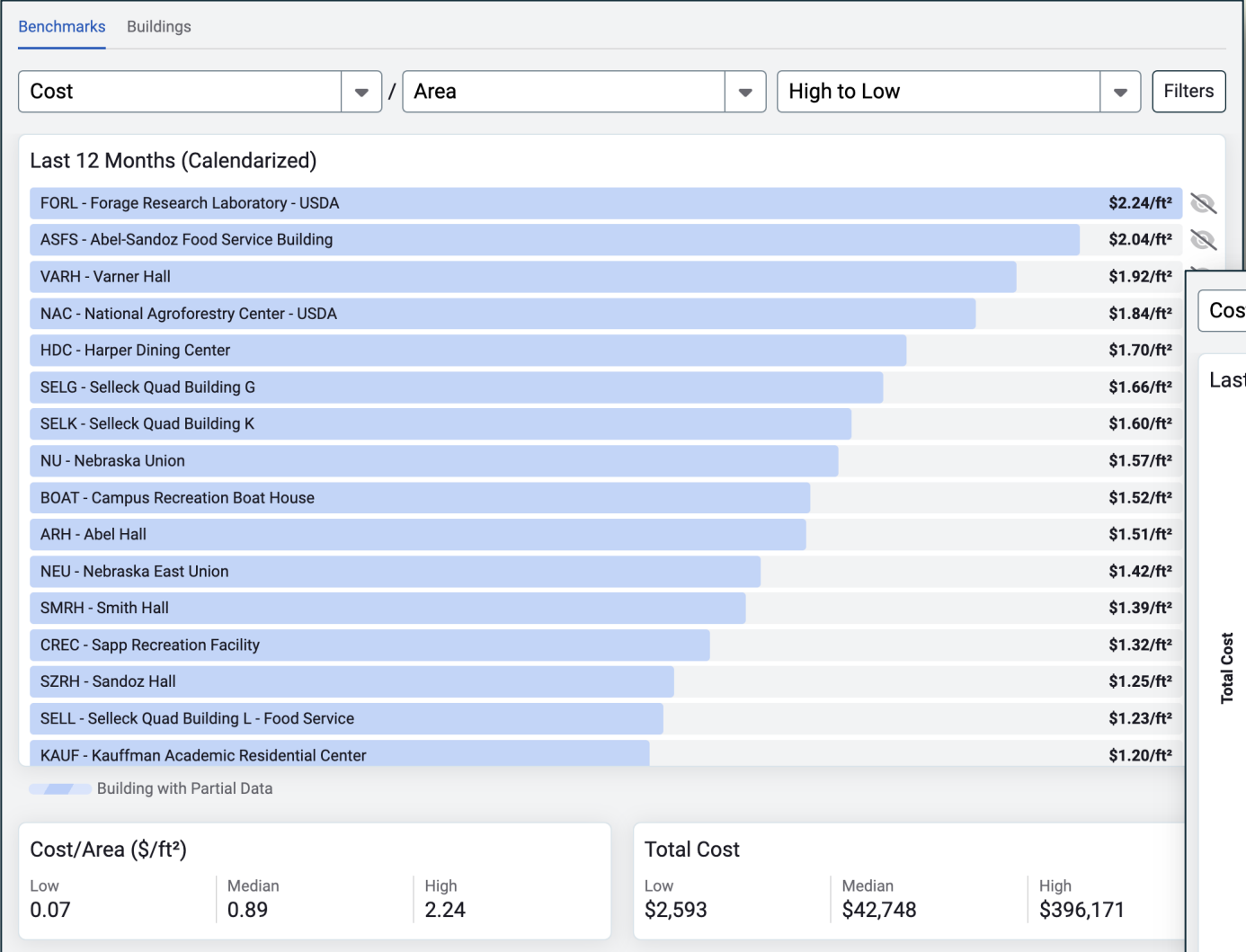
Energy Conservation Re...

Helpful Links:

- [Weather Data Depot](#)



Building & Meter Benchmarking – *find outliers and opportunities*



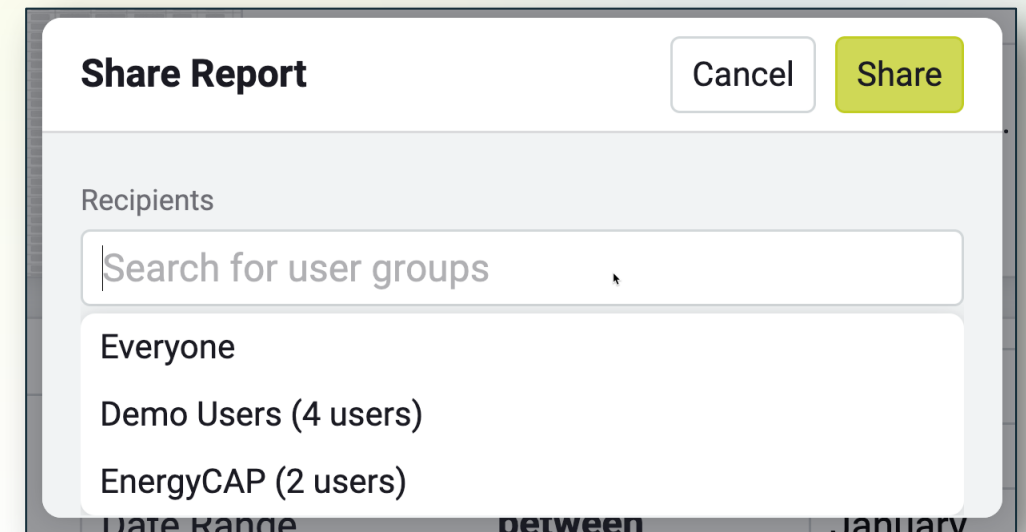
Demonstration

Share: Curate Your Story

Easily share reports with other EnergyCAP users

Share Report

- Share with one or more User Groups
- Each user can show/hide the report
- Reports always run with the user's Topmost permissions



The image shows a 'Share Report' dialog box. At the top, there is a title bar with the text 'Share Report' and two buttons: 'Cancel' and 'Share'. Below the title bar, the section is labeled 'Recipients'. There is a search input field with the placeholder text 'Search for user groups'. Below the search field, a list of user groups is displayed: 'Everyone', 'Demo Users (4 users)', and 'EnergyCAP (2 users)'. At the bottom of the dialog, there is a 'Date Range' section with the word 'between' and a date 'January'.

Automatically email reports to anyone

Report Distributions

- Configure a report to be sent via email on a regular basis (daily, weekly, monthly, quarterly)
- Can be sent to existing or new UtilityManagement users
- Each user receives the report based on their permissions
- Emails are not sent if report is “empty”
- Each email is logged to verify recipients and information sent

Public/Embedded Dashboards – *easily & centrally manage settings*


Public Access Settings and Links

Close

CURRENT SETTINGS

Show global dashboard filter, **Show** dashboard title and description, and **Enable** links.

[Change settings...](#)

 Copy public link


 Get embed public code

[Revoke Public Access](#)

Public Access Settings

Cancel

Save

 Not all widgets have the topmost place or building group filters available, so the global dashboard filter is not applied.

GLOBAL DASHBOARD FILTER

- ☒ Show global dashboard filter
- ☐ Set global dashboard filter to...
- ☐ Hide global dashboard filter

DASHBOARD INFORMATION

Show dashboard title and description Show Hide

LINKS

Enable links to application Enable Disable

School District

Welcome to the Get2Green Energy Dashboard ?

- This dashboard contains data on energy use, including electric, natural gas, water, and greenhouse gas emissions for each school and center in FCPS.
- Because data is generated from FCPS' utility bill information, the most recent 90 days of data may be incomplete. Most electricity and natural gas bills are recorded within the previous 30 to 60 days, and water bills recorded within the previous 90 days. Annual data for the current year is for the year to date (so far), please keep that in mind as you compare years.
 - Hover your computer's cursor over pie, bar, and line charts to display data.
 - You may use the slider bar with the circles on either end to adjust the time range displayed in bar charts.
 - Please read the graphs carefully - notice the labels and scale. The scale does not always start at zero.

Type a new location name in the "Topmost Place" menu to display data for a different location.

View data for the district as a whole on the [District Overview Dashboard](#).

?



ENERGY STAR ?

Building	Submission type	Area	Month	Score	EUI (kBtu/
Annandale High School	Manual	340,055 ft²	Aug 2023	71	5
Annandale Terrace Elementary School	Manual	101,044 ft²	Dec 2023	90	3
Archer Elementary School	Manual	115,973 ft²	Oct 2023	68	4
Armstrong Elementary School	Manual	80,000 ft²	Dec 2023	91	3
Ballade Primary Elementary School	Manual	110,405 ft²	Dec 2023	78	4

1-196 of 196 linked buildings

12 Month Commodity Cost ?



Jan 2023–Feb 2024

ELECTRIC INFORMATION ?



Electricity is used to power our computers, lights, air conditioning, and more.

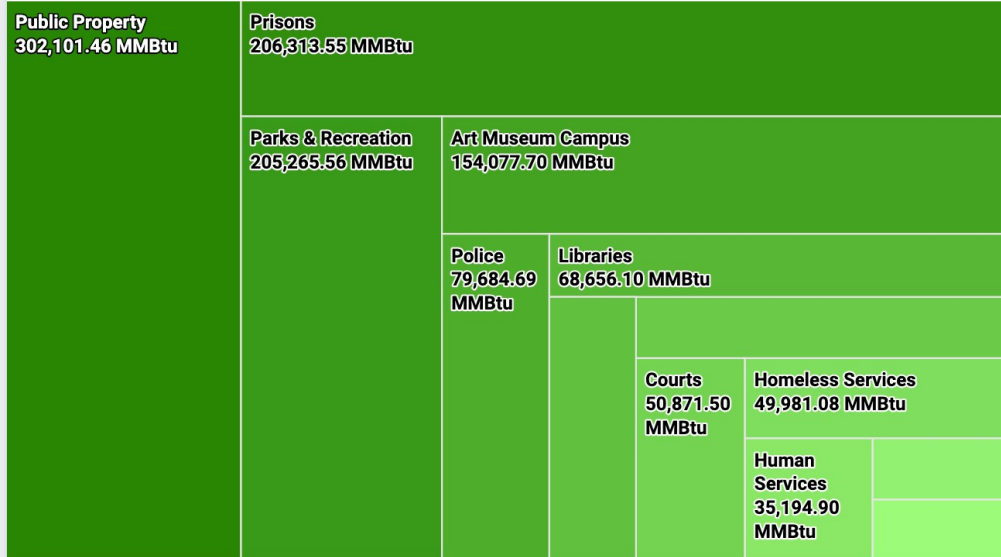
Electricity is measured in kilowatt hours (kWh). A kilowatt hour (kWh) is a measure of how much energy is being used. It doesn't mean how many kW you use in an hour. It is the amount of energy you would use if you left a 1,000 watt appliance plugged in for an hour.

What's the difference between kW and kWh? A kilowatt is 1,000 watts, which is a measure of power (the rate that electricity is used). A kWh is a measure of energy. So a 1,000 watt air conditioner needs 1,000 watts of power to run and uses 1 kWh of energy in an hour.

How could you design a campaign to encourage people at your school to reduce their electricity use?
Learn more about energy and factors that affect energy data on the [Energy Information page](#).

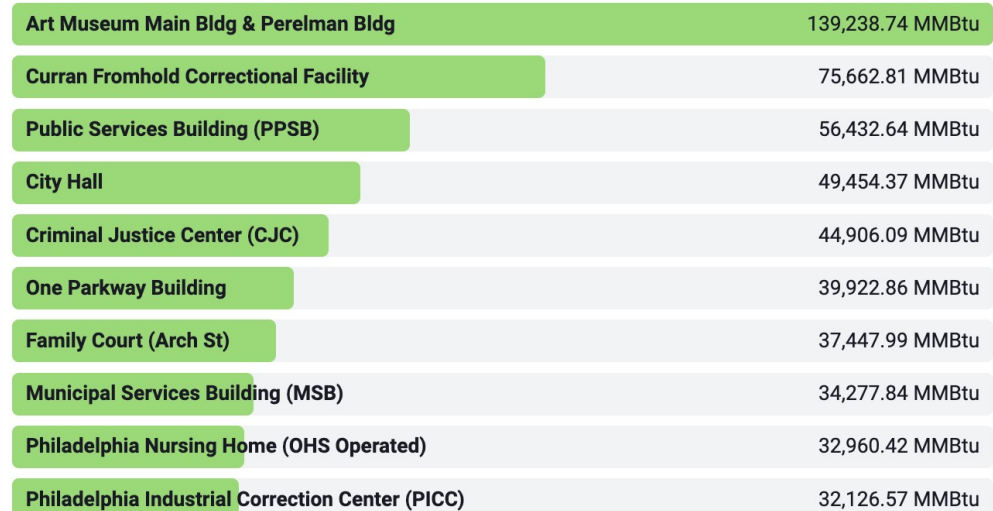
City of Philadelphia

Highest Energy Users - By Department ?



Feb 2023–Jan 2024 (Billing Period Data)

Highest Energy Users - By Individual Building ?



Highest Energy Users - Description ?

The charts on the left display the highest energy consumers first broken down by Department and then by building.

The building chart displays the top 10 energy users.

Disclaimer: This data is live and shows usage as utility bills are received. It may take 3 months to accurately reflect use.



Through a unique private/public partnership, the [Philadelphia Museum of Art \(PMA\) Energy Project](#) brings Philadelphia closer to its energy and climate goals. The deep energy retrofit at the Philadelphia Museum of Art was completed in late 2020. The retrofit reduced the energy use of the PMA through major investments in the building's air conditioning, heating, and lighting systems. The combined \$11.3 million investment will reduce the overall energy use of the PMA by 23 percent. In addition, it will generate \$750,000 in annual savings and reduce carbon emissions by 2,400 MT of CO₂e.

Powered by **ENERGYCAP**

University of Kansas - Embedded Dashboard

Central District

Cora Downs Residence Hall

Edwards Campus

Please select a location

Lawrence Off-Campus

Please select a location

Select a campus or building from the drop down menus above to see its energy use over the last year.

Cora Downs Residence Hall

Topmost place

Building group

Search

Search

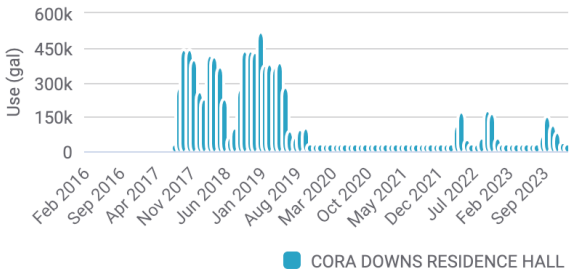
Reset

Commodity Cost (over last 12 months)



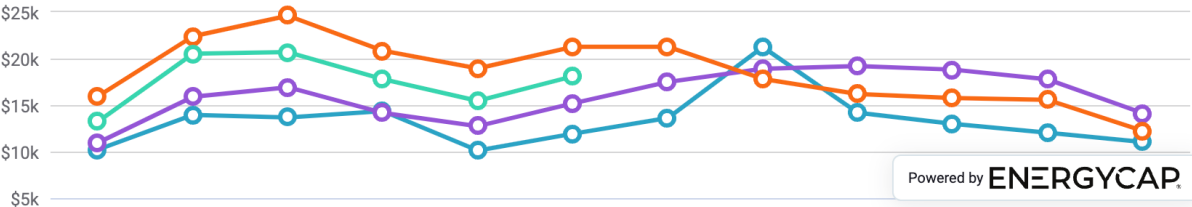
Jan 2023–Dec 2023

Building Water Usage



Feb 2016–Jan 2024 (Calendarized Data)

Monthly Utility Cost Trend



CATALYST

Thank you! Questions?