



Using interval data for advanced analysis



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Agenda



1. Scheduling & overlays
2. Heat maps
3. Trend insights
4. Calculated meters
5. Meter groups & dashboards
6. Extending interval data
7. Live demo

Scheduling & overlays

Schedules define operating or peak hours for a site, helping you quickly identify equipment or control issues.

When viewing more than seven days of data at the site level, environmental overlays are available for:

- Use Intensity
- Mean Daily Temperature
- Heating/Cooling Degree Days

Date range

Jul 19, 2026

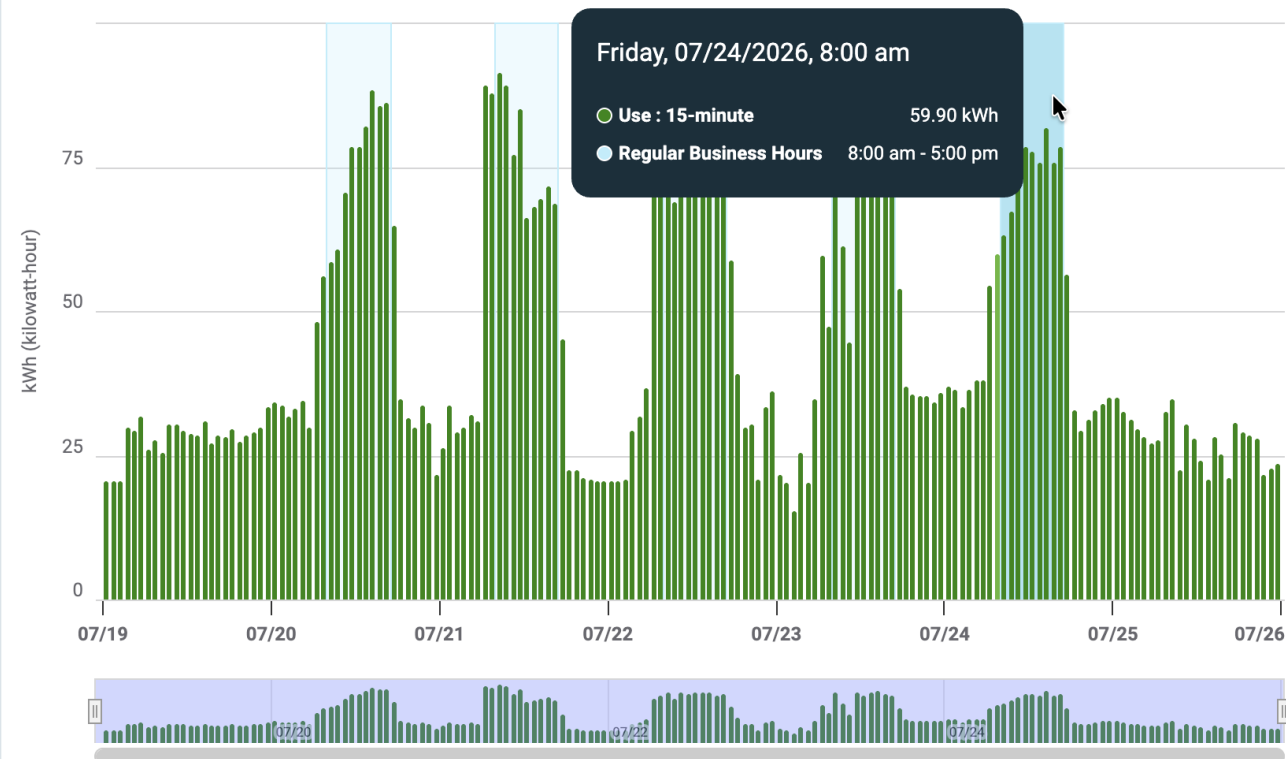
Jul 25, 2026

< >

Calendar icon

Compare to ?

Interval Data ?



Zoom to 07/19/2026-07/26/2026 (Hourly)

Data details

Channel Name	Units	Max ?	Min ?	Avg	Sum	On Schedule ?	Off
Use : 15-minute	kWh	91.30	15.30	44.41	7,461.10	3,500.80	

Chart type

Line Bar

Schedule ?

Regular Business Hours

Channel ?

Use : 15-minute (Sum)

Channel Reading Notes ?

On

Estimated Readings Overlay ?

On

Cop



Heat maps

Identify energy consumption patterns and potential waste using color-coded visualizations to help reduce costs, optimize operating schedules, and improve efficiency.

Apply a schedule to the selected date range to compare energy use during on-schedule and off-schedule hours.

Date

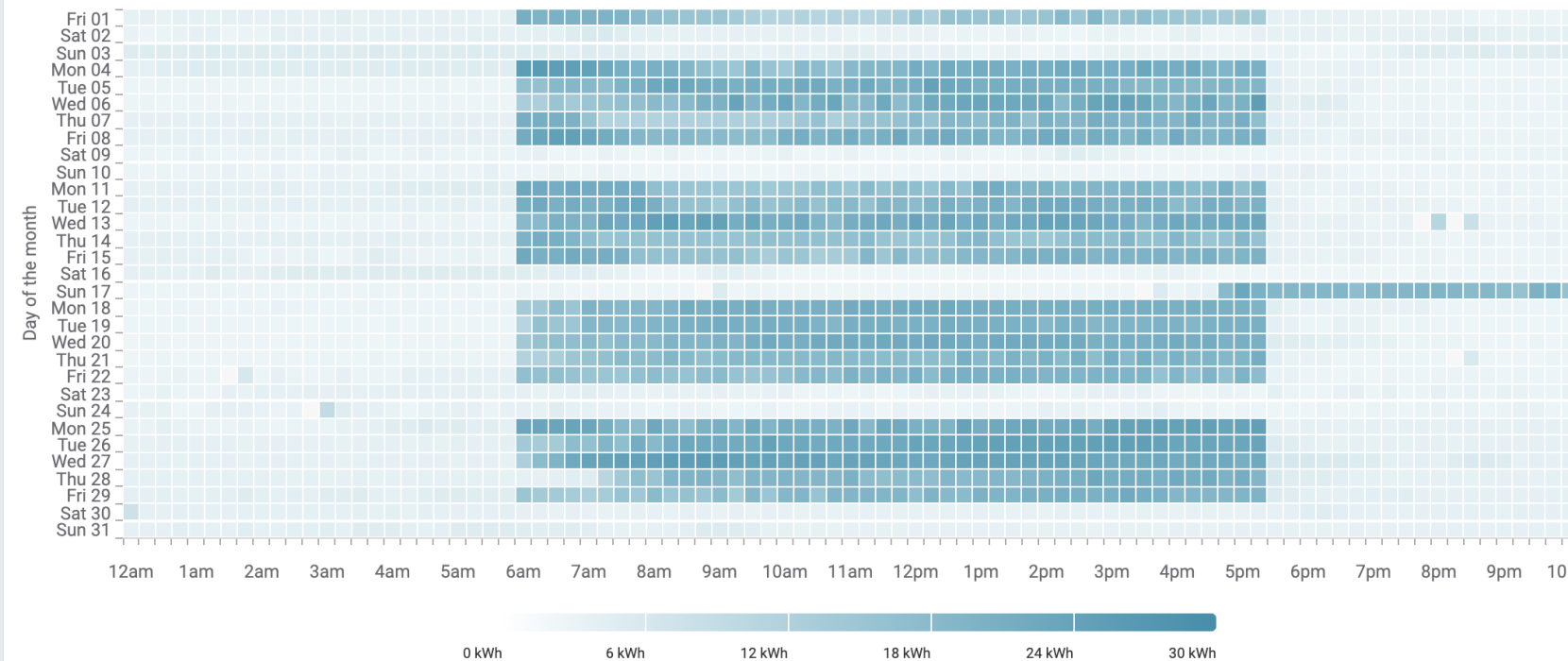
May, 2026



Schedule



Heatmap Interval Data



May 2026 (15-minute interval)

[Data details](#) [Filters applied](#)

Metric	Very Low (0-5 kWh)	Low (5-10 kWh)	Moderate (10-16 kWh)	High (16-21 kWh)	Very High (21-26 kWh)	
Use (kWh)	6,768.40 (25.6%)	390.30 (1.5%)	1,911.40 (7.2%)	9,872.90 (37.4%)	7,458.80 (28.2%)	26,420.80
Time (Hours)	477.50 (64.4%)	17.75 (2.4%)	33.50 (4.5%)	130.25 (17.6%)	82.50 (11.1%)	740.50

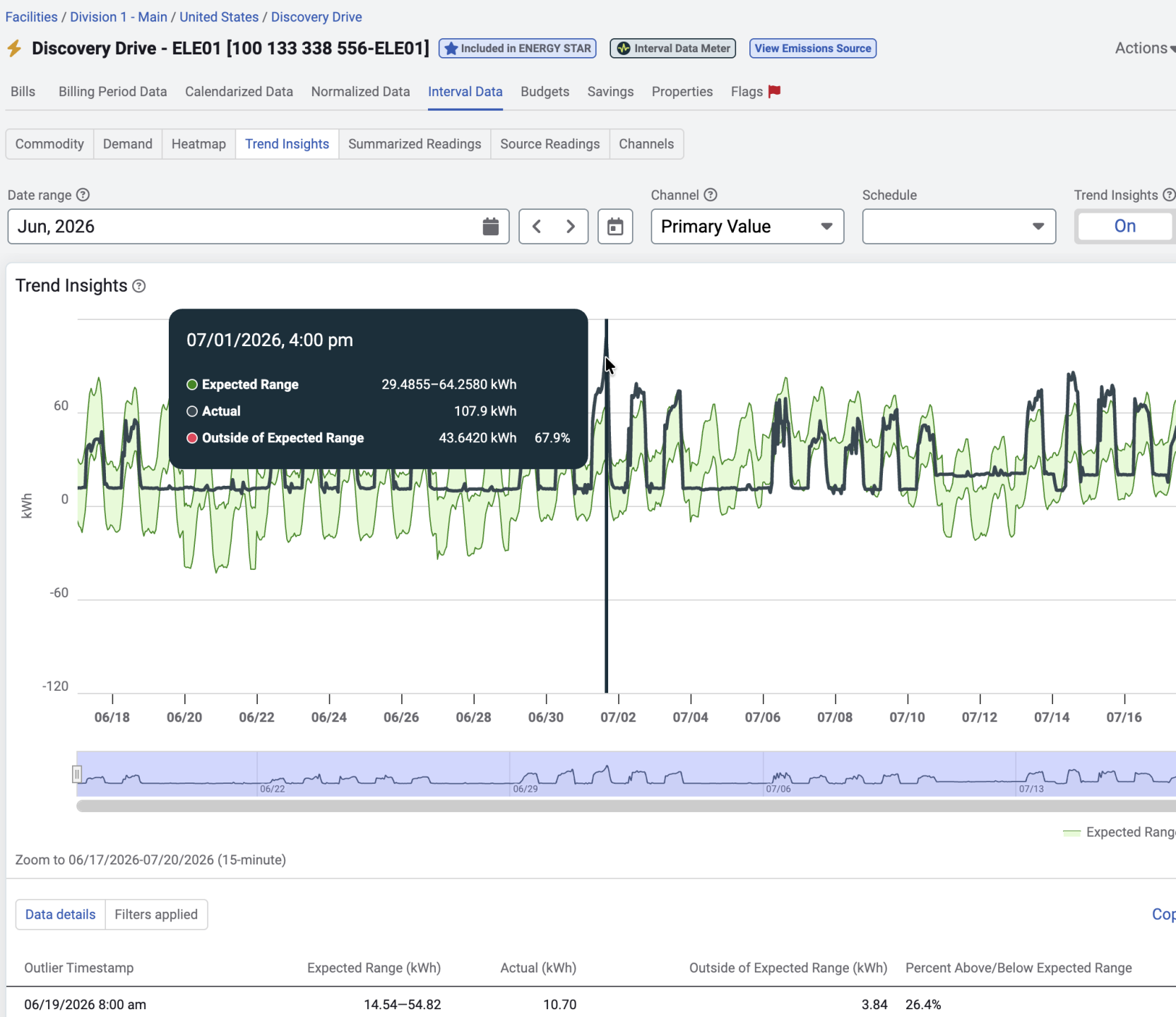


Trend Insights

Actual readings plotted against a forecasted range from historical data

Forecast updates automatically as more readings come in

Readings that fall outside the expected range are flagged as outliers



Calculated meters

Create virtual interval data points by combining data from other meters using formulas.

Common uses include net energy metering, tenant and common-area allocations, and custom KPIs.

Calculations run continuously as new interval data is received, rather than requiring a manual trigger.

Renewable HQ

Purchased Electricity

Source Meters

Solar PV

Total Use

Channels

Name	Reading Type	Interval	Summary
Purchased Electricity	Use	15-minute	Sum

Channel Import ID

Not Configured

Calculation

$$\text{IF}(\text{Solar PV} < \text{Total Use}, \text{Total Use} - \text{Solar PV}, 0)$$

Units

kWh

Always Positive

No

Minimum Reading

Not Configured

Maximum Reading

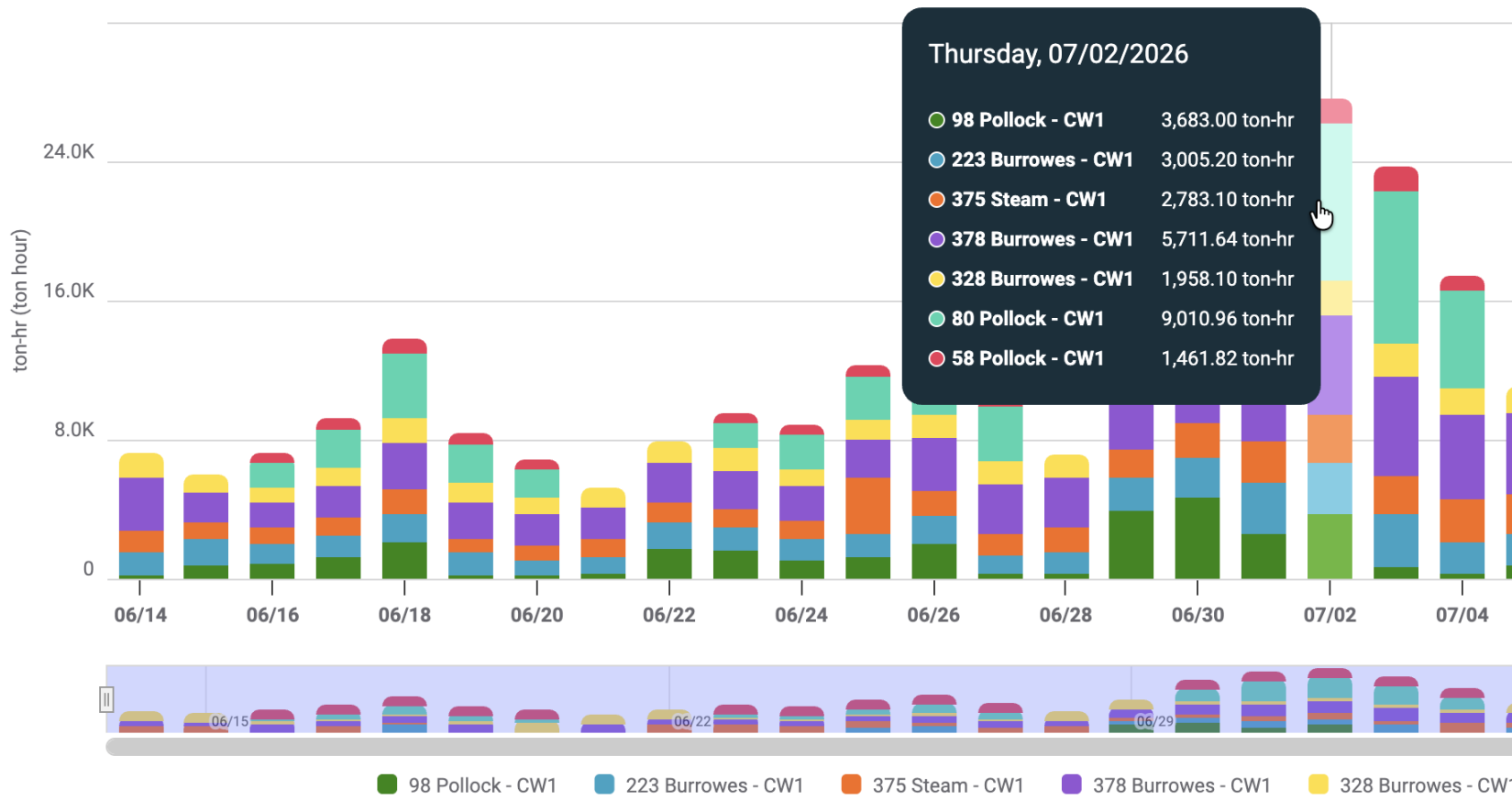
Not Configured

Meter groups & dashboards

Meter Groups organize related meters that may be located in different parts of the organizational hierarchy.

Once a Meter Group is created, use the Meter Group filter on Interval Data Dashboard widgets and group by “Children” to view interval data for each individual meter in the group.

Main Campus Chilled Water ?



Zoom to 06/14/2026-07/11/2026 (Daily)

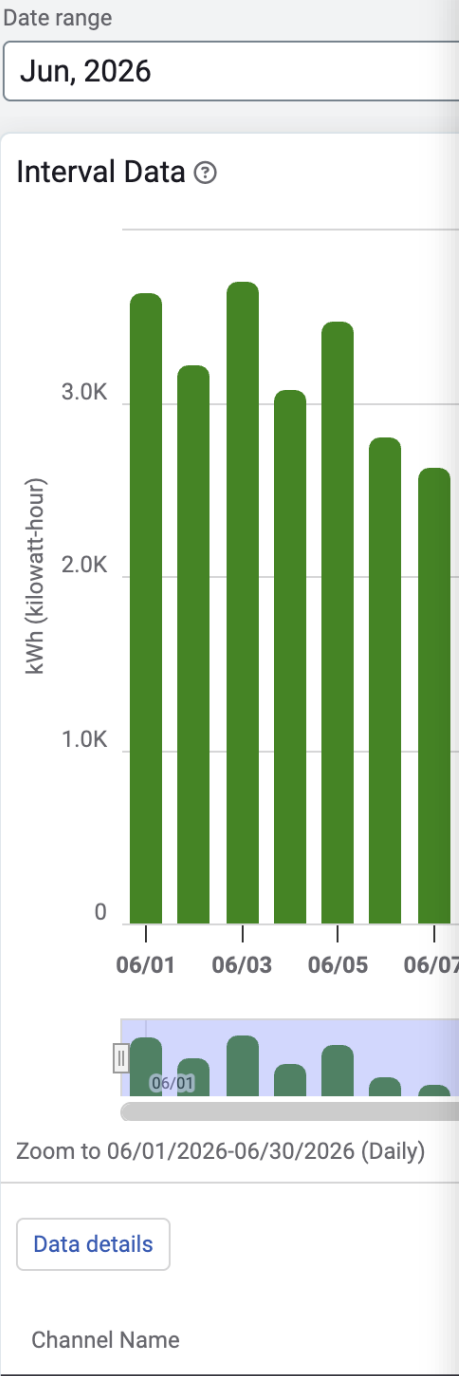
[Data details](#) [Filters applied](#)

Children	Units	Max ?	Min ?
378 Burrowes - CW1	ton-hr	5,749.36	1,389.46
80 Pollock - CW1	ton-hr	9,112.04	1,342.43
223 Burrowes - CW1	ton-hr	3,072.10	794.00
98 Pollock - CW1	ton-hr	4,659.70	172.70

Extending interval data

Use Chargebacks Bill Calculations to aggregate interval data into monthly bills (cost optional) for use in other analysis features

- Benchmarks
- Normalization/EUI
- Cost Avoidance
- ENERGY STAR
- Budgets
- Emissions



Meter Chargebacks

Bill Calculation Versions

112 FOUNDRY PARK E

Original Calculate bills using v

Use (Channel readings)	
Use	
Cost (CAMPUSELECTRICE&G}	
Use x CAMPUSELECTRICE&G	
Demand (Channel readings)	
Demand	
Other meter lines	
Not configured	
Other account lines	
Not configured	

Emissions: 2,951.37 t CO₂e)

Start Date	End Date ↓	Emissions (t CO ₂ e)	Quantity	Quantity
06/01/2026	07/01/2026	25.98	95,917.63	kWh
06/01/2026	07/01/2026	5.99	95,917.63	kWh
06/01/2026	07/01/2026	5.55	95,917.63	kWh
06/01/2026	07/01/2026	28.60	95,917.63	kWh
05/01/2026	06/01/2026	5.45	94,193.5	kWh
05/01/2026	06/01/2026	28.09	94,193.5	kWh
05/01/2026	06/01/2026	25.51	94,193.5	kWh
05/01/2026	06/01/2026	5.88	94,193.5	kWh
04/01/2026	05/01/2026	28.36	104,704.79	kWh
04/01/2026	05/01/2026	6.53	104,704.79	kWh
04/01/2026	05/01/2026	6.06	104,704.79	kWh
04/01/2026	05/01/2026	31.22	104,704.79	kWh
03/01/2026	04/01/2026	27.88	102,946.22	kWh
03/01/2026	04/01/2026	6.42	102,946.22	kWh
03/01/2026	04/01/2026	5.96	102,946.22	kWh
03/01/2026	04/01/2026	30.70	102,946.22	kWh
02/01/2026	03/01/2026	5.94	102,515.66	kWh

Live Demo

Questions?