Energy Manager for Business Tutorial

Getting Started

View and pay your bill online

Click the button below to sign up for eBill.

Receive my bill online

Reduce paper clutter, make secure online payments, and save trees

1. When you first create a profile and add an account eligible for Energy Manager for Business you will see a screen with the number of hours until your data will be available. Data is refreshed each morning.

New!

Energy Manager for Business

This product will be available in approximately 16 hours.

▸ About Energy Manager Business
▸ Contact Us

New!

Energy Manager for Business

View My Data

▸ About Energy Manager Business
▸ Contact Us

2. When Energy Manager for Business is available you will see the option to "View My Data". Click that link. Upon your first time clicking this link you will see a welcome screen with some information about Energy Manager for Business and what to expect from the product:

CENTRAL MAINE POWER

Welcome [Log Out]

Your Account | Your Home | Your Business | Usage and Safety | Outage | Giving Back | For Suppliers and Partners | Our Compa

Manage Your Profile
Manage Your Account
  Account Balance
  Payment History
  Meter Read Dates
  Mailing Address
  Phone Number
  Select Account

View and Pay Online
  eBill

Log Off
FAQs
Contact Us

Welcome to Energy Manager for Business!

Energy Manager for Business displays smart meter usage information for medium, industrial and large customers.

Energy Manager for Business is refreshed each morning. During the time of the refreshing process no data will be available. In the event that you cannot access data early in the morning please wait an hour and log back in.

Data displayed will be as recent as approximately 28 hours old (at 6:00 am you will have access to data up to midnight of two days previous).

We have developed a tutorial to help you in creating reports about your electricity demand and usage and it is available from the About Energy Manager page and directly from the home page of Energy Manager for Business.

We hope that you find this information to be very beneficial!

Continue

IBERDROLA USA

Home | Emergency Contact | Contact Us | Site Map | Legal Disclaimer

3. The first time you view your data you will see this welcome screen that includes some useful reminders about the product. This is the only time you will see the welcome page.

Energy Manager for Business: Home screen

CENTRAL MAINE POWER

| Home | Energy Analysis |

The Energy Analysis tab has choices to view Load Analysis, Usage and Variance and Trending reports

Welcome to Energy M

Click title to access reports

The following reports are available through the Energy Analysis tab (above):

Tip: You will always be brought to the home screen. The home screen shows useful reminders about how to navigate Energy Manager for Business.

Load Analysis

- The Load Analysis report shows the distribution of the total demand for electricity for a single meter over a period of time.
- View up to thirty days of data
- Compare peak day to average day
- Look at weekdays or weekend and holidays separately
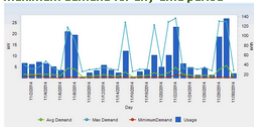- View a load curve chart of your electricity demand

Choose Average vs. Peak Day
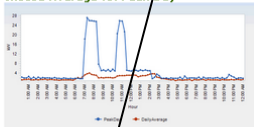
Choose Actual Daily
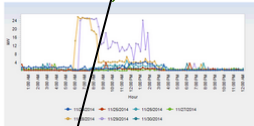
Usage and Variance Analysis

- Usage and Variance Analysis shows comparative usage and demand charts and graphs.

View usage, average demand and maximum demand for any time period
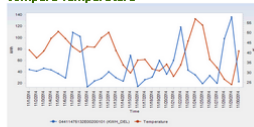

- Compare time periods like this month to last month or the same month last year
- Compare electricity usage and

Trending

- The trending report shows usage (kWh) or demand (KW)

Compare Temperature

- You may choose to display weather data such as temperature or heating and cooling days
- With the Excel link, you can download up to two years of your smart meter data into a spreadsheet
- With the Green Button link, you can download your data into an xml file to share with a third party

Tips

This website contains information about all of the accounts registered to your CMP profile. Below are tips to help navigate each of the reports available.

In each report:

1. Choose "Select meters" and click on the meter number.
2. If you have more than one account then choose "Switch Customer", enter the account number you wish to view then choose "Select."
3. Fill out the choices for time period and other options.
4. Click "Create Report."
5. Use Excel or PDF links to view a report that can be printed or saved to your computer.
6. If you can't see the options to export to PDF or Excel in each report, please scroll to the right.

Links

Access supporting documents

- Glossary of Terms
- Contact Us
- Tutorial
- Energy Manager for Business Questions and Answers

Load Analysis

Creating a report:

1. Click on "Select Meters" to choose your meter or switch to a different meter.

2. Choose a time period. Custom periods cannot be greater than 30 days.

Tip: Demand readings for greater than 30 days can be exported into an excel spreadsheet through a Trending report

3. Select load profile view option

4. Choose type of days to include:

4. Click "Create "to create your report.

Tip: each time you change one of the parameters you must create the report again.

Viewing the Load Analysis Report:

CENTRAL MAINE POWER

Home | Energy Analysis

Settings | Advanced

Load Analysis

🖨 Print 📄 PDF 📊 Excel

1. Select meters

⊛ 02210216706E00100101 1/12/2012-9/16/20:

◀ ▬▬▬▬▬▬▬▬ ▶

⊛ Select Meters

2. Select time period

Time Period: Month to date ▾

Start Date: 9/1/2014 📅

End Date: 9/18/2014 📅

« Previous period   Next period »

3. Select load profile view options

Load profile type: Actual daily ▾

Day types to include: All Days ▾

4. Create the report

📄 Create   🔄 Reset

Load Analysis

Report Date	9/18/2014 8:35 AM
Report Span	9/1/2014 - 9/18/2014
Total Days	18
Customer	Multiple

Tip: Check the current Report Parameters here

Meter Description 02210216706E001

Top 5 load readings from the time period selected

Top 5 Load Readings

Demand (kW)	Time	Day of Week
13.34	9/11/2014 7:15 AM	Thursday
11.79	9/16/2014 7:30 PM	Tuesday
11.74	9/3/2014 2:45 AM	Wednesday
11.25	9/11/2014 3:00 AM	Thursday
10.60	9/9/2014 3:00 AM	Tuesday

Summary Statistics

Load Statistics	Value
Load Factor %	15.6
Weekday Load Factor %	17.6
Weekend and Holiday Load Factor %	15.6
Max Demand (kW)	13.3
Weekday Max Demand (kW)	13.3
Weekend and Holiday Max Demand (kW)	8.1
Avg Demand (kW)	2.1
Min Demand (kW)	0.6

Summary Statistics for the time period selected

Load Profile - Actual daily

Load Profile - Actual daily
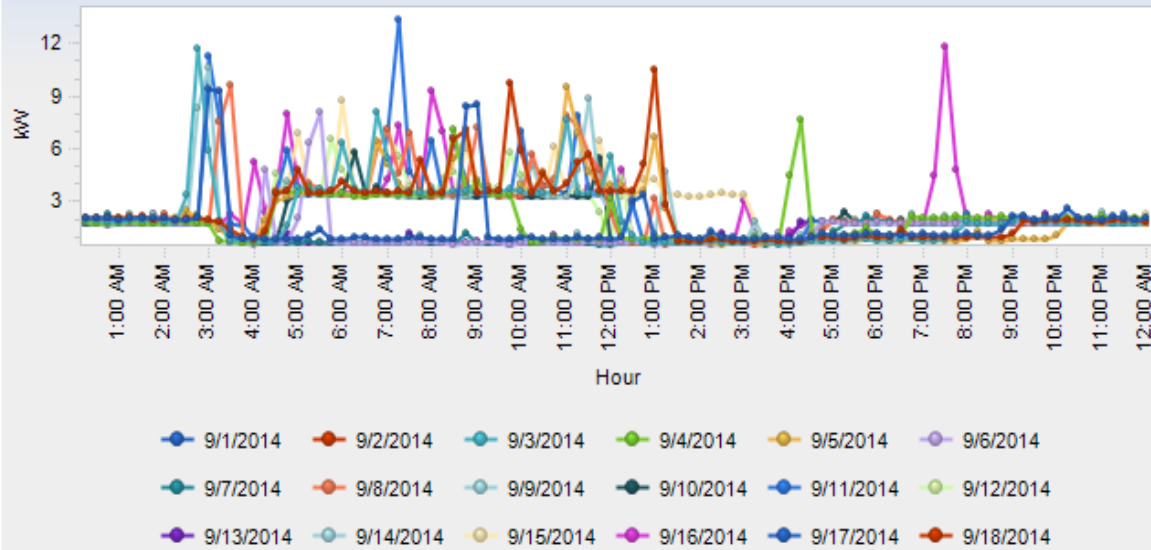
Load Profile – Actual daily shows all 15 minute increments from the time period with a different color for each day in the time period.

Load Profile – Load profile table supports the Load Profile graph with daily average, max, % of max, minimum and timestamps for max and minimum demand intervals

Load Profile Table

Period Ending	Average (kW)	Max Value (kW)	% of Max	Max Timestamp	Min Value	Min Timestamp
9/1/2014	1.64	9.4	70	03:00 AM	0.86	04:15 AM
9/2/2014	2.52	10.5	79	01:00 PM	0.71	01:30 PM
9/3/2014	2.29	11.7	88	02:45 AM	0.58	03:45 PM
9/4/2014	2.05	7.7	57	04:15 PM	0.60	10:15 AM
9/5/2014	2.34	9.5	71	11:00 AM	0.58	02:30 PM
9/6/2014	1.37	8.1	60	05:30 AM	0.56	04:00 AM
9/7/2014	1.16	2.3	16	12:45 AM	0.58	09:45 AM
9/8/2014	2.59	9.6	72	03:30 AM	0.58	03:15 PM
9/9/2014	2.33	10.6	79	03:00 AM	0.57	02:15 PM

Average Hourly Profile
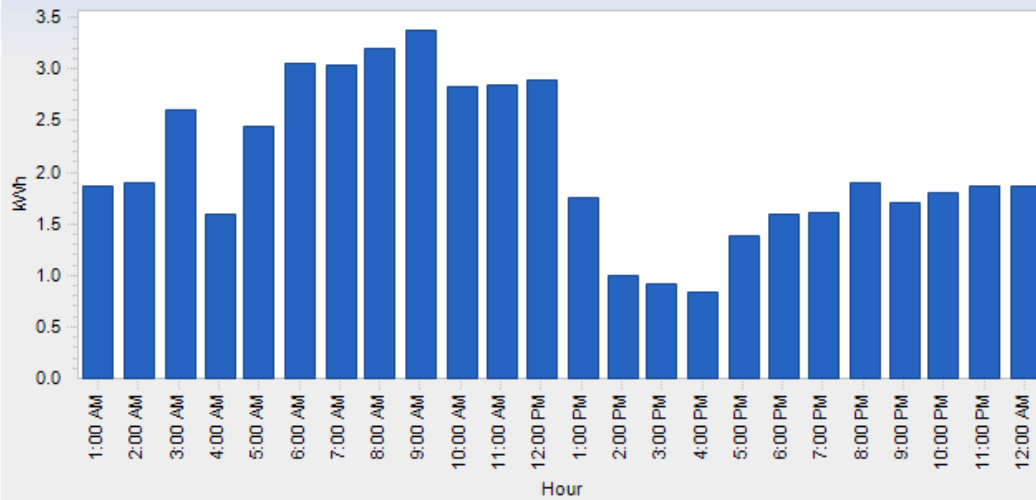
The Average Hourly profile shows average electricity usage for each hour of the day during the time period.

Load Duration Curve
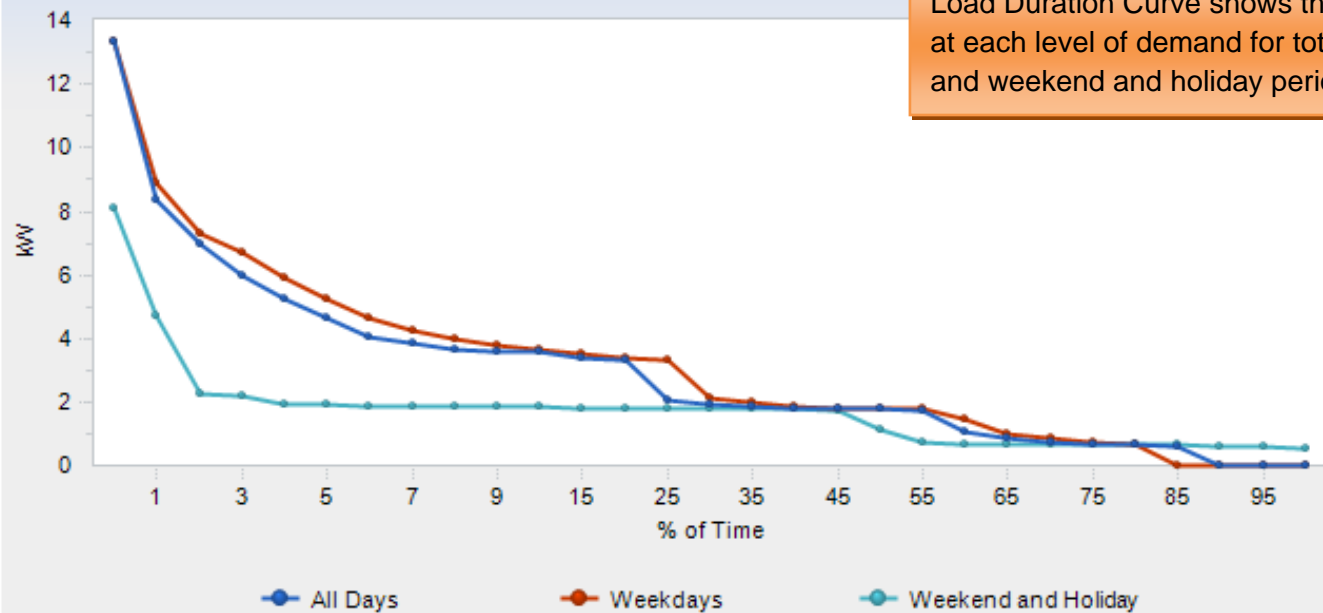
Load Duration Curve shows the percentage of time at each level of demand for total days, weekdays and weekend and holiday periods.

Load Duration Table

% of Time	All Days (kW)	Weekdays (kW)	Weekend and Holiday
0	13.3	13.3	8.11
1	8.4	8.9	4.72
2	7.0	7.3	2.25
3	6.0	6.7	2.17
4	5.2	5.9	1.94
5	4.6	5.2	1.90
6	4.1	4.6	1.89
7	3.8	4.2	1.88
8	3.7	4.0	1.87
9	3.6	3.8	1.86
10	3.6	3.7	1.86
15	3.4	3.5	1.82
20	3.3	3.4	1.81
25	2.1	3.3	1.80
30	1.9	2.1	1.79
35	1.8	2.0	1.78
40	1.8	1.9	1.76
45	1.8	1.8	1.72
50	1.8	1.8	1.10
55	1.7	1.8	0.72
60	1.1	1.4	0.69
65	0.9	1.0	0.66
70	0.7	0.9	0.66
75	0.7	0.7	0.64
80	0.6	0.6	0.63
85	0.6	0.0	0.63
90	0.0	0.0	0.62
95	0.0	0.0	0.61
100	0.0	0.0	0.56

The Load Duration table supports the Load Duration graph above

ion

Errors and Warnings

Message
[50058] Warning: Service Point 02210216706E00100101 is missing 11.81 % (204 of 1728) Power data intervals for the report period. [02210216706E00100101, 11.81 %, 204, 1728, Power]
[50058] Warning: Service Point 02210216706E00100101 is missing 11.81 % (51 of 432) Energy data intervals for the report period. [02210216706E00100101, 11.81 %, 51, 432, Energy]

Errors and warnings will highlight any missing intervals in the data. If you run a report ending in the current day and the current day data has not been loaded then it will be represented in the errors and warnings.

Click the PDF link to generate a PDF version of the report you've created

CENTRAL MAINE POWER

| Home | Energy Analysis |

Energy Analysis » Load Analysis

| Settings | Advanced | | Load Analysis | | Print | PDF | Excel |

1. Select meters

Errors and Warnings

Use the Excel link to create a spreadsheet that includes all data but without graphs

Usage and Variance

Creating a Usage and Variance Report

CENTRAL MAINE POWER

Home | Energy Analysis

Energy Analysis » Usage & Variance Analysis

Settings | Advanced

1. Select meters

🖨 02210216706E00100101

1. If no meter is listed you may need to click on Select Meters to choose your account

🖨 Select Meters

2. Select time period

Time Period: Month to date

Start Date

End Date

- Yesterday
- Week to date
- Month to date
- Quarter to date
- Year to date
- Last week
- Last month
- Last quarter
- Last year
- Rolling week
- Rolling month
- Rolling quarter
- Rolling year
- Custom period

2. Select a time period or choose your own start and end dates with a custom period

Choose comparison period

Comparison Period

Comparison start date:

« Previous period

3. choose a comparison period

Prior month

- Prior month
- Last year
- Custom period

3. Select usage totals

Show results by: Day

4. Select how to display the results:

Day

- Day
- Week
- Month
- Year

4. Create the report

📄 Create | 🔁 Reset

5. Click "Create" to create the report

Usage and Variance

The Usage and Variance Report

CENTRAL MAINE POWER

Home	Energy Analysis	

Energy Analysis » Usage & Variance Analysis

Settings	Advanced

Usage & Variance Analysis

Print   PDF   Excel

1. Select meters

02210216706E00100101

Select Meters

2. Select time period

Time Period: Last month

Start Date: 8/1/2014

End Date: 8/31/2014

Choose comparison period for variance analysis.

Comparison Period: Prior month

Comparison start date: 7/1/2014

« Previous period   Next period »

3. Select usage totals

Show results by: Day

4. Create the report

Create   Reset

Usage & Variance Analysis

Summary of report parameters here

Report Date	9/18/2014 9:23 AM
Report Span	8/1/2014 - 8/31/2014
Comparison Span	7/1/2014 - 7/31/2014
Total Days	31
Customer	

Summary statistics for the selected time period show weekday, weekend and holiday and total usage

Summary Statistics

Energy Statistic	Value
Weekday Energy Usage (kWh)	1,234
Weekend and Holiday Energy Usage (kWh)	320
Total Energy Usage (kWh)	1,554

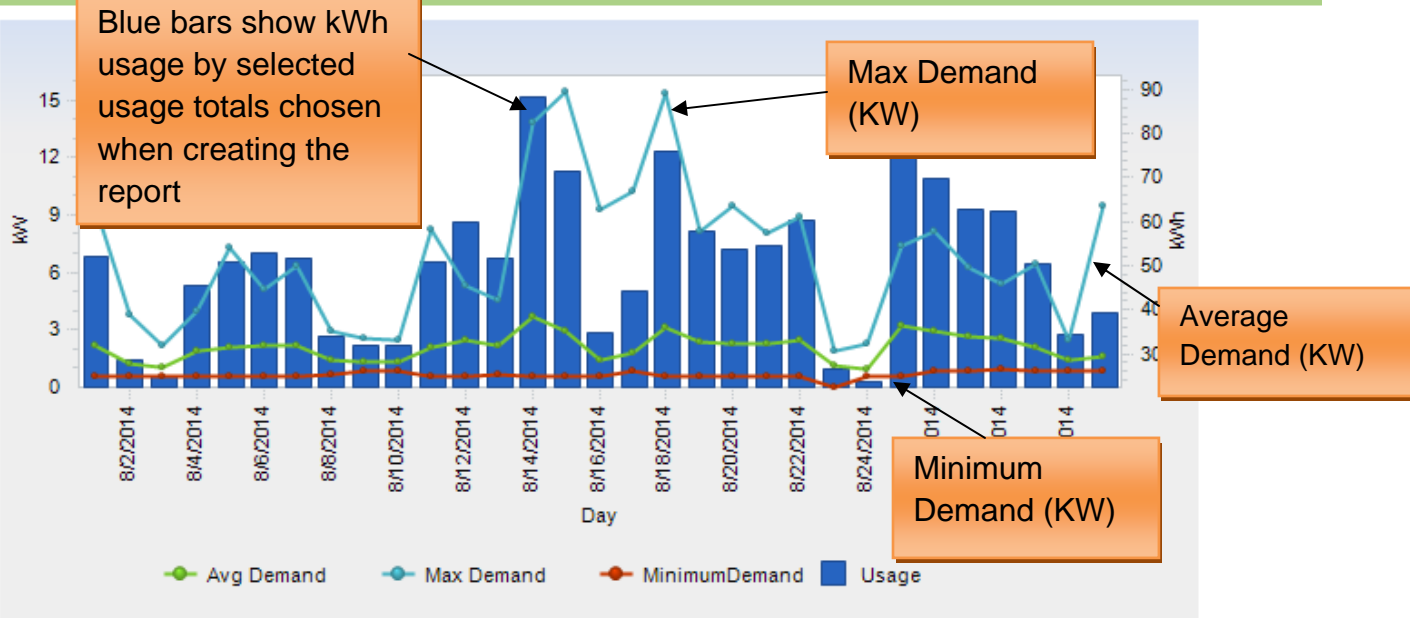| Load Statistics	Value
Load Factor %	13.6
Weekend and Holiday Load Factor %	13.0
Weekday Load Factor %	15.9
Avg Demand (kW)	2.1
Min Demand (kW)	0.0
Max Demand (kW)	15.4
Power Factor At Maximum Demand	
Weekday Max Demand (kW)	15.4
Weekend and Holiday Max Demand (kW)	10.3

Load Statistics for the time period selected display here

Register reads from your meter at the beginning and end of time period selected

Register Reads

Meter ⬆	Channel Number ⬆	First/Last Register Read ⬆	Unit ⬆	Time ⬆
02210216706E00100101	120	0.000	kWh	8/1/2014 9:00:00 PM
02210216706E00100101	120	0.000	kWh	8/31/2014 9:00:00 PM
02210216706E00100101	110	83,417.303	kWh	8/1/2014 9:00:00 PM
02210216706E00100101	110	84,918.544	kWh	8/31/2014 9:00:00 PM

Usage and Demand

Blue bars show kWh usage by selected usage totals chosen when creating the report

Max Demand (KW)

Average Demand (KW)

Minimum Demand (KW)

Avg Demand   Max Demand   MinimumDemand   Usage

Data Summary

Period Ending ⬆	Usage (kWh) ⬍	Min Demand (kW) ⬍	Max Demand (kW) ⬍	Avg Demand (kW) ⬍
8/1/2014	52	0.56	9.5	2.18
8/2/2014	29	0.55	3.8	1.19
8/3/2014	25	0.56	2.1	1.04
8/4/2014	45	0.56	4.0	1.89
8/5/2014	51	0.57	7.3	2.12
8/6/2014	53	0.60	5.1	2.20
8/7/2014	51	0.56	6.4	2.14
8/8/2014	34	0.65	2.9	1.42
8/9/2014	32	0.86	2.6	1.32
8/10/2014	32	0.85	2.5	1.32
8/11/2014	51	0.56	8.2	2.12
8/12/2014	60	0.58	5.3	2.49
8/13/2014	52	0.63	4.5	2.15

The Data Summary supports the Usage and Demand Graph above.

Usage Variance
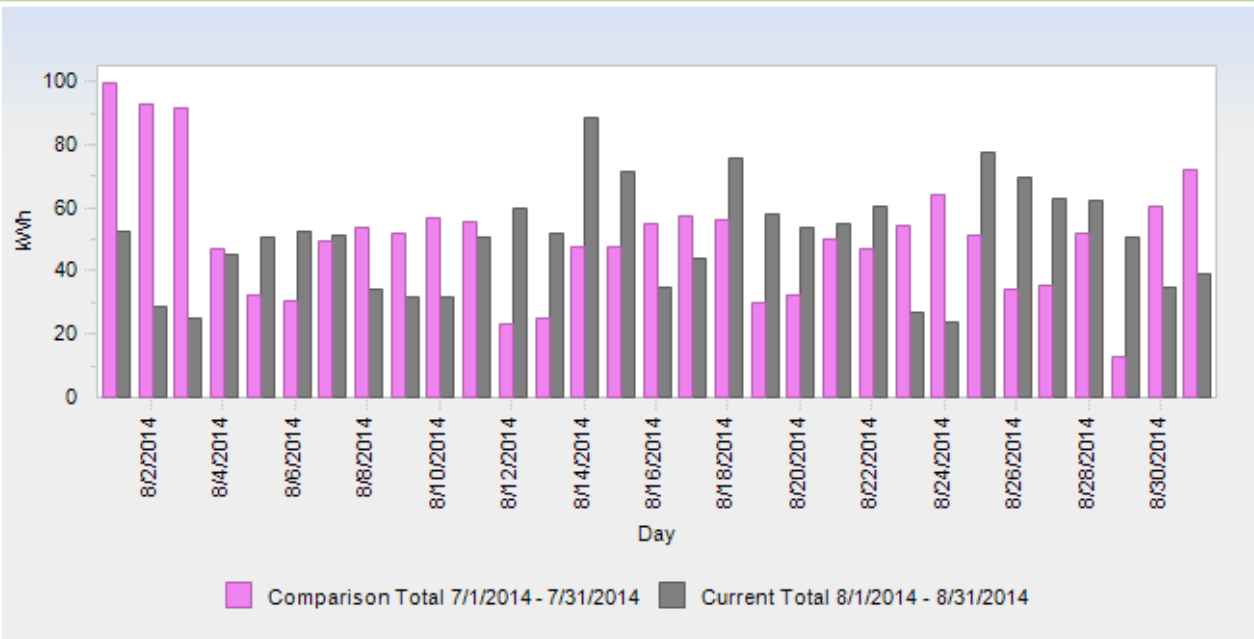
This Usage Variance graph shows the period and comparison period from the report parameters that you selected

Data Summary

Comparison Period	Comparison Total (kWh)	Current Period	Current Total (kWh)	Variance	Variance %
7/1/2014	99	8/1/2014	52	-47	-47.49
7/2/2014	93	8/2/2014	29	-64	-69.16
7/3/2014	91	8/3/2014	25	-66	-72.58
7/4/2014	47	8/4/2014	45	-1	-3.07
7/5/2014	32	8/5/2014	51	18	56.81
7/6/2014	30	8/6/2014	53	22	72.96
7/7/2014	50	8/7/2014	51	2	3.50
7/8/2014	53	8/8/2014	34	-19	-36.28
7/9/2014	52	8/9/2014	32	-20	-38.84
7/10/2014	57	8/10/2014	32	-25	-44.34
7/11/2014	55	8/11/2014	51	-4	-7.99
7/12/2014	23	8/12/2014	60	37	157.52

This Data Summary supports the Usage Variance graph above

Trending

Creating the Trending Report

CENTRAL MAINE POWER

| Home | Energy Analysis | |

Energy Analysis » Trending

| Settings | Advanced |

1. Select meters

02210216706E00100101 1/12/2012-11/14/20

[Select Meters]

1. If no meter is listed you may need to click on Select Meters to choose your account

2. Select time period

Time Period: Month to date
Start Date: 11/1/2014
End Date: 11/16/2014

« Previous period   Next period »

2. Select a time period or choose your own start and end dates with a custom period

3. Select chart trend option

Chart: ○ Demand ● Usage (kWh)
Available only when single meter is selected
☐ Compare to other meter channel(s)
☐ Compare to weather data

3. Choose Demand or Usage.

*Add **temperature**, **heating days** or **cooling days** to your graph by selecting "Compare to weather data"*

4. Select trend interval

Trend interval: Metered

5. Create the report

[Create]   [Reset]

4. Click "Create" to create the report

Trending   ⬇ Green Button Download 🖨 Print PDF Excel

Trending

Report Date	11/16/2014 7:49 AM
Report Span	11/1/2014 - 11/16/2014
Total Days	16
Trend Interval	Metered

Exporting Demand or Usage:

"Green Button Download" will give you the option to export your data to an xml formatted file

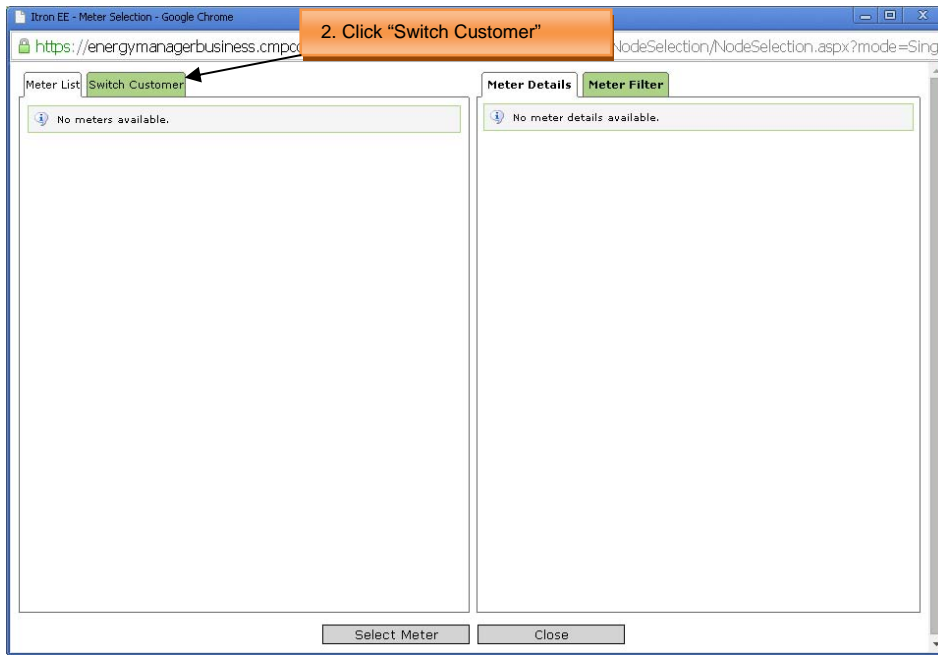*Excel will give you the option to export your data to a spreadsheet.*

How to change the account you are viewing:

Settings | Advanced

1. Select meters

⚠ No meters selected.

⊜ Select Meters

1. Click "Select Meters"
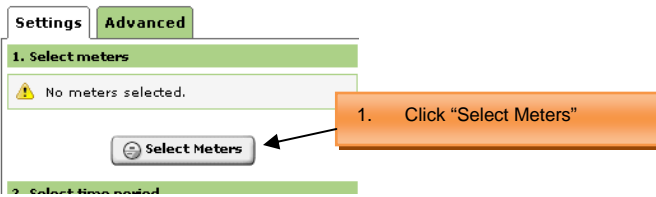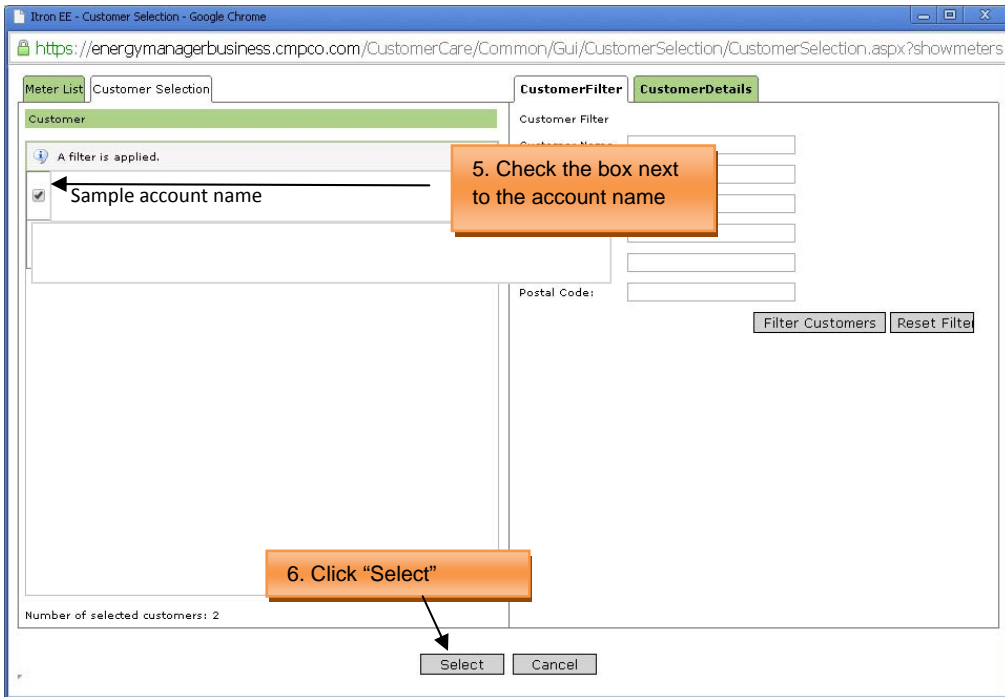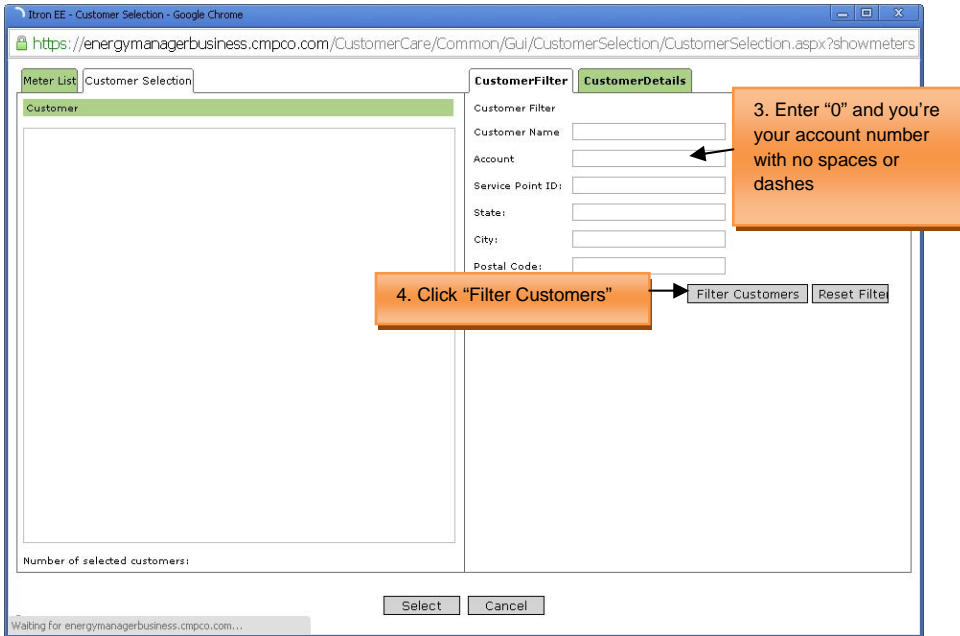
Itron EE - Meter Selection - Google Chrome

🔒 https://energymanagerbusiness.cmpco... NodeSelection/NodeSelection.aspx?mode=Sing

2. Click "Switch Customer"

Meter List | Switch Customer

ⓘ No meters available.

Meter Details | Meter Filter

ⓘ No meter details available.

Select Meter   Close

First screen

Itron EE - Customer Selection - Google Chrome

https://energymanagerbusiness.cmpco.com/CustomerCare/Common/Gui/CustomerSelection/CustomerSelection.aspx?showmeters

Meter List | Customer Selection

CustomerFilter | CustomerDetails

Customer

Customer Filter

Customer Name

Account

3. Enter "0" and you're your account number with no spaces or dashes

Service Point ID:

State:

City:

Postal Code:

4. Click "Filter Customers" → Filter Customers | Reset Filter

Number of selected customers:

Select | Cancel

Waiting for energymanagerbusiness.cmpco.com…

Second screen

Itron EE - Customer Selection - Google Chrome

https://energymanagerbusiness.cmpco.com/CustomerCare/Common/Gui/CustomerSelection/CustomerSelection.aspx?showmeters

Meter List | Customer Selection

CustomerFilter | CustomerDetails

Customer

Customer Filter

Customer Name

ⓘ A filter is applied.

5. Check the box next to the account name

☑ Sample account name

Postal Code:

Filter Customers | Reset Filter

6. Click "Select"

Number of selected customers: 2

Select | Cancel

🔒 https://energymanagerbusiness.cmpco.com/CustomerCare/Common/ReportSetup/NodeSelection/NodeSelection.aspx?showmeters

Meter List | Switch Customer

		Meter	Customer ⬆	Ava
⦿		Sample data		

Meter Details | Meter Filter

Details

Customer Name:

Service Address:

Account:

Meter Description:

Service ID:

Available data:

Reading Interval:

Time Zone:

Commodity:

Weather Station:

Rate / Contract:

Channels:

7. Click button next to meter

8. Click "Select Meter"

Select Meter   Close