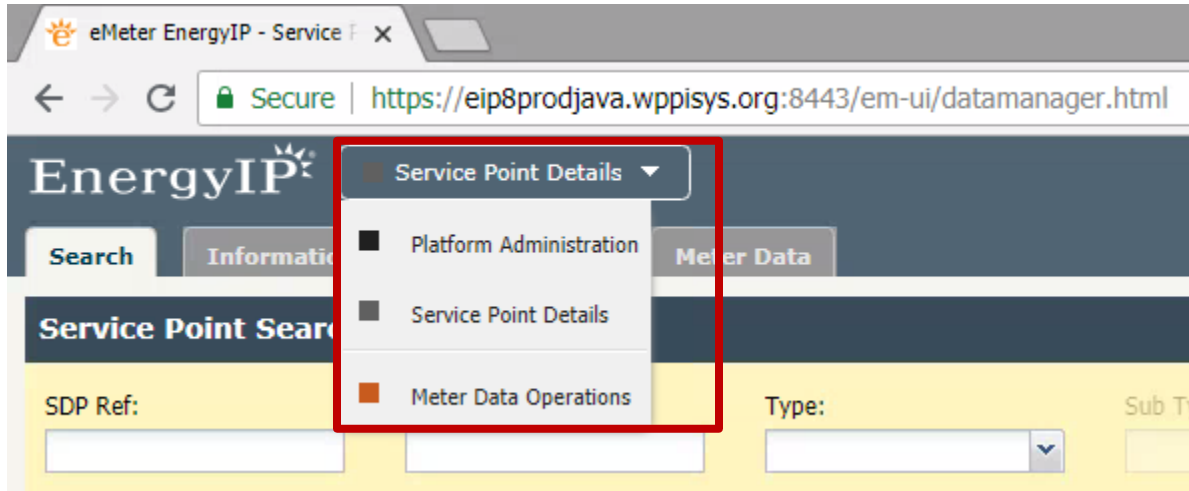


EnergyIP: Basic Navigation

Sign in to EnergyIP

- Same username/password as Citrix sign in
 - Close the 'Chrome is almost ready.' Window.
 - Do not click next.

Three platforms/sections within EnergyIP



Platform Administration

- Used primarily by WPPI Systems Admin Group
- Advanced searches by meter, account, etc. available under Customer Info tab

Service Point Details

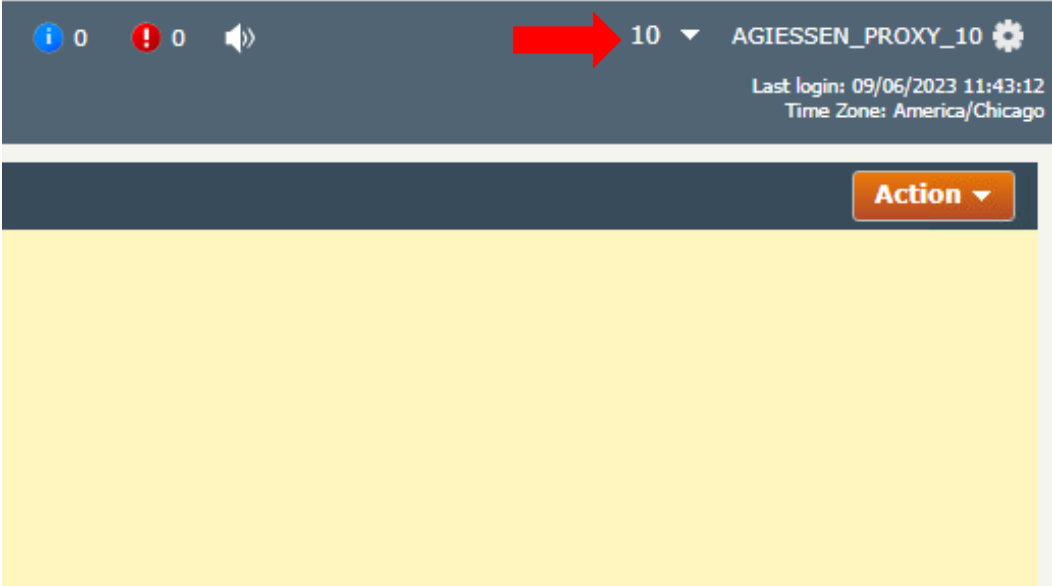
- Used to search for a meter by the meter number or the SDP number (created in NS)
- View AMI meter details, channels, services, billing requests, meter events, etc.

Meter Data Operations

- Dashboard
 - Provides an overview of the meters in the system and issues that may have arisen.
- VEE Issues
 - Formerly known as service requests. Best for members to review and close daily.
- Billing Requests
 - Houses all billing requests from the time data was migrated to EnergyIP.
- Exceptions
 - Meter installed in the field but not installed to CIS/EnergyIP when reads begin coming in; data is held until the meter has completed the flex sync process.
 - Attempts to auto publish for up to 5 business days after field install.
- Reports
 - Variety of reports produced in EnergyIP.
 - Some reports emailed daily (Missing Interval/Register Reads, Device Events, Water Leaks)
 - All reports can be run at any time by the member.

All members using AMI have their own 'site' based on their 2-digit utility ID.
344775

EnergyIP: Basic Navigation



General Searching/Data Retrieval

344775

EnergyIP: Basic Navigation

Enter the SDP (service point delivery) number or the Meter number to search for a specific meter

SDP Ref: UdcId: Type: Sub Type: Meter UdcId: Meter Badge Id:

Zipcode: Rate Code: Billing Cycle:

| Ref | UdcId | Type | Sub Type | Meter UdcId | Address | Zipcode | Rate Cc |
|-----|-------|------|----------|-------------|---------|---------|---------|
|-----|-------|------|----------|-------------|---------|---------|---------|

Enter Rate Code or Billing Cycle for a more general search

Search Hints:

- Must enter at least 1 digit/character to do any search in this platform
- Any search without a 10-digit meter/SDP number will bring back every meter with the search criteria in it.
 - Example: If searching the Columbus database, enter meter 0097 at Meter Number, and 12 meters will be returned from the search

EnergyIP: Basic Navigation

Navigating to a Meter

- Click on the [blue](#) Ref number

Service Point Search

SDP Ref: UdcId: Type: Sub Type: Meter UdcId: Meter Badge Id:

Zipcode: Rate Code: Billing Cycle:

| Ref | UdcId | Type | Sub Type | Meter UdcId | Address | Zipcode | Rate Code |
|-----------------------|------------|------------------------|----------|-------------|---------------------|---------|-----------|
| 39113 | 1000001419 | Service Delivery Point | Electric | 1002000826 | 329W,PRAIRIE ST,, | 53925 | RG-1 |
| 39654 | 1000000973 | Service Delivery Point | Electric | 1002000616 | 304N,LUDINGTON ST,, | 53925 | RG-1 |
| 39658 | 1000000977 | Service Delivery Point | Electric | 1002000621 | 346N,LUDINGTON ST,, | 53925 | RG-1 |

Navigating within a Meter

- Click on any [blue](#) number or wording for more detail.

Meter (Electric) Net CTPT Multiplier: 1

Load Connected Power Connected Billing Hold

Premise: [304N,LUDINGTON ST,, COLUMBUS, 53925, Wisconsin, United States](#)

Account (0)

Account Udc Id: [160220-23](#) Sta

Primary Contact:

Service Requests (1)

| Ref | Type | SubType | Status | Due Date | Owner |
|------------------------|--------------|-------------|--------|----------|---------------|
| 254981 | Provisioning | Meter - Add | Done | | PIPE_PROXY_10 |

Recent Billing Requests (5)

| From | To | Cycle | Status |
|---------------------|---------------------|-------|--------------------------|
| 07/06/2018 00:00:00 | 08/09/2018 00:00:00 | | EXPORTED |
| 06/08/2018 00:00:00 | 07/06/2018 00:00:00 | | EXPORTED |

Active Channels (14)

| Ref | Measurement |
|------------------------|-------------------|
| 406485 | KWH Del 15 Inter |
| 406479 | KWH Del Total Cur |
| 406480 | KWH Del On Peak |
| 406481 | KWH Del Off Peak |
| 406482 | KW Del Total Dem |

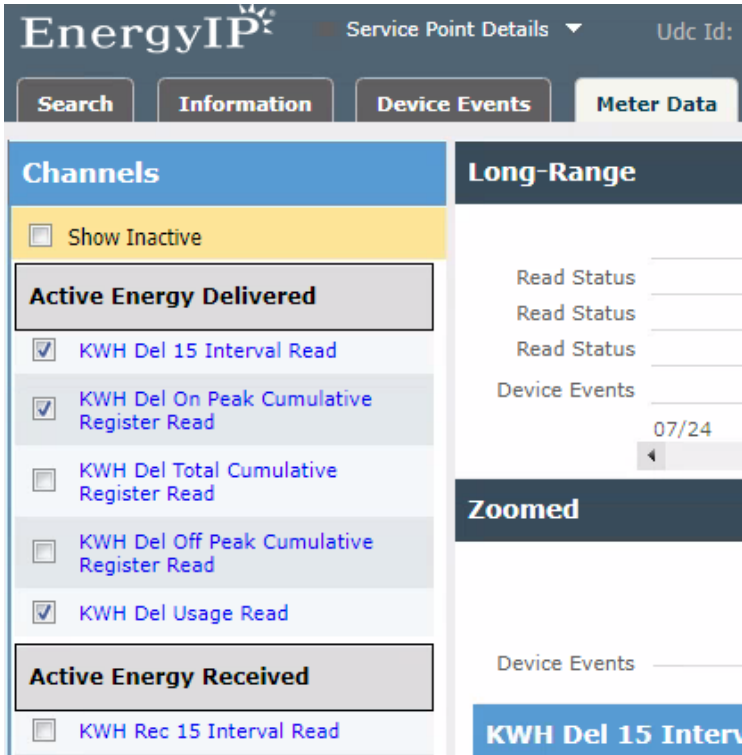
Active Data Services (5)

| Ref | Na |
|----------------------|-----|
| 1401 | Dai |
| 1405 | Dai |

EnergyIP: Basic Navigation

Meter Data tab

- Channels are grouped by collection type (KWH Del, KWH Rec, KW Del, etc)
- Select channel(s) to view by checking box on left
 - View up to 3 channels at one time
- Click on the blue channel name for a table-view of the data set

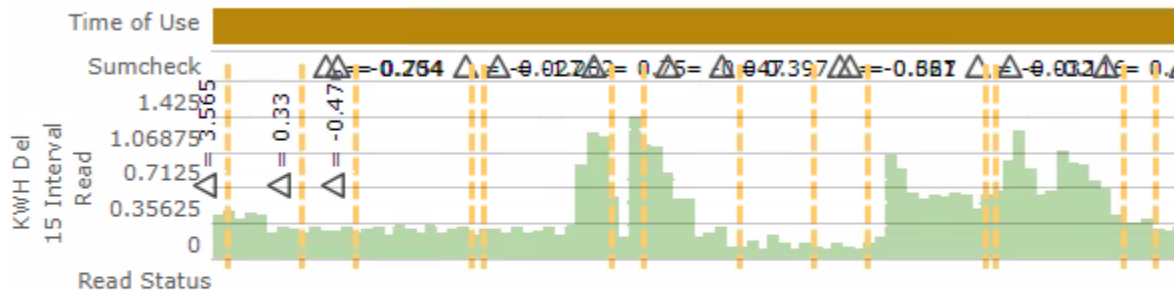


EnergyIP: Basic Navigation

- Two (2) views available for data
 - Long-Range – 30 or 90 day view based on ending interval date shown in calendar
 - Zoomed In – 1,2,3, or 7 day view based on ending interval date shown in calendar

The screenshot shows the top navigation bar with 'Udc Id: 1000000973', 'Meter Udc Id: 1002000616', and 'Electric'. Below this are 'Events' and 'Meter Data' tabs. Two red boxes highlight the 'Long-Range' and 'Zoomed' view selection areas. The 'Long-Range' view is currently selected, showing an ending date of '08/22/2018' and options for '30 d' and '90 d'. The 'Zoomed' view shows options for '1 d', '2 d', '3 d', and '7 d'. Below the navigation bar, there are sections for 'Read Status' and 'Device Events' with a calendar view showing dates from 07/24 to 08/07.

KWH Del 15 Interval Read



KWH Del On Peak Cumulative Register Read

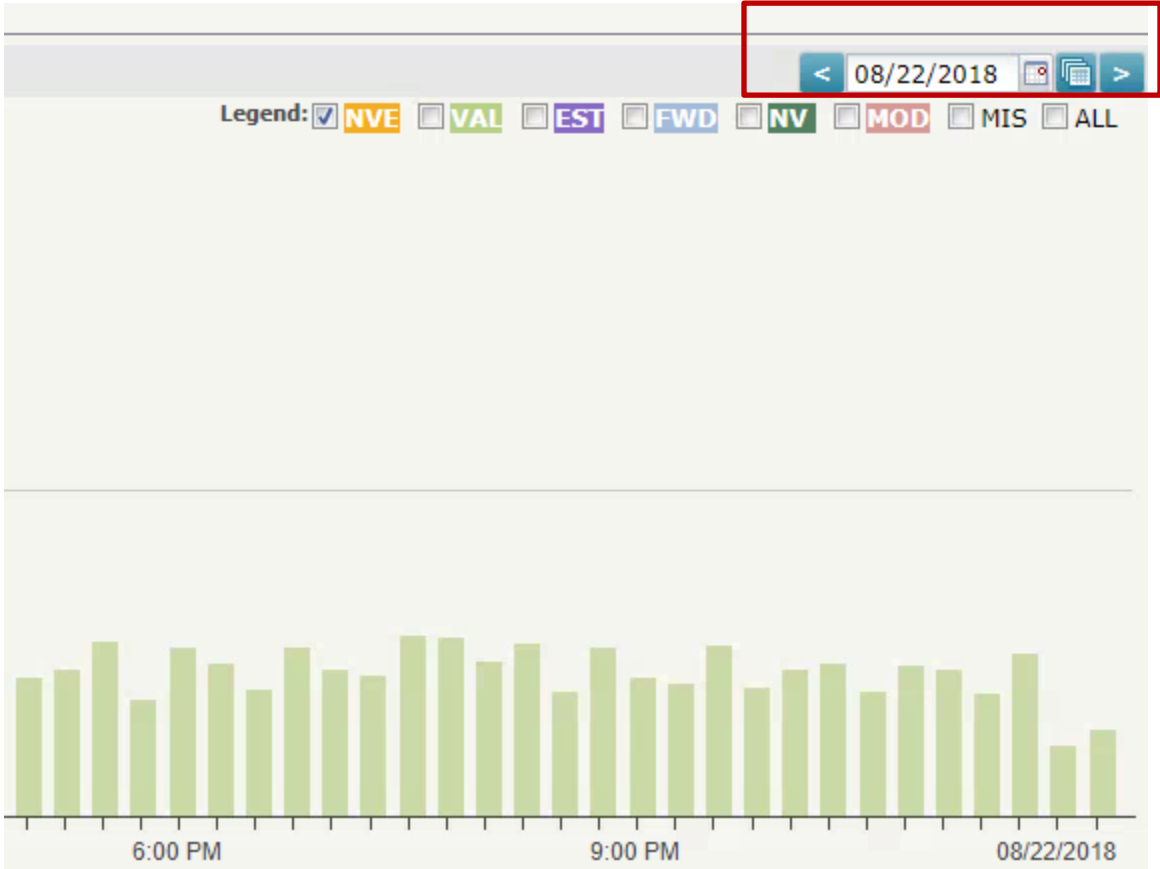


EnergyIP: Basic Navigation

- Click on the pencil icon (edit button) for more in-depth view of intervals or register reads

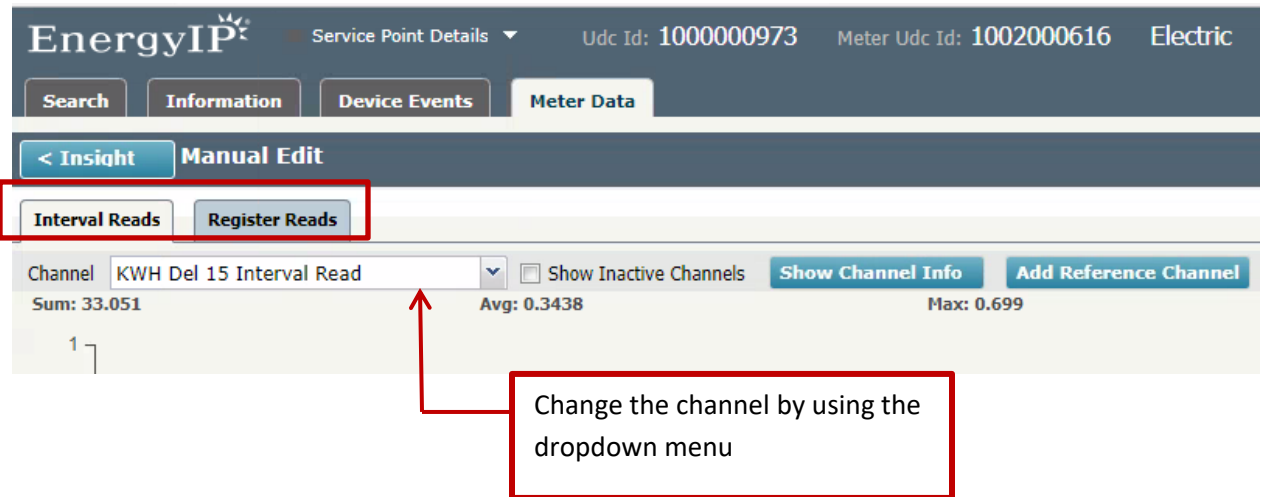


- Adjust date by using calendar or arrows



EnergyIP: Basic Navigation

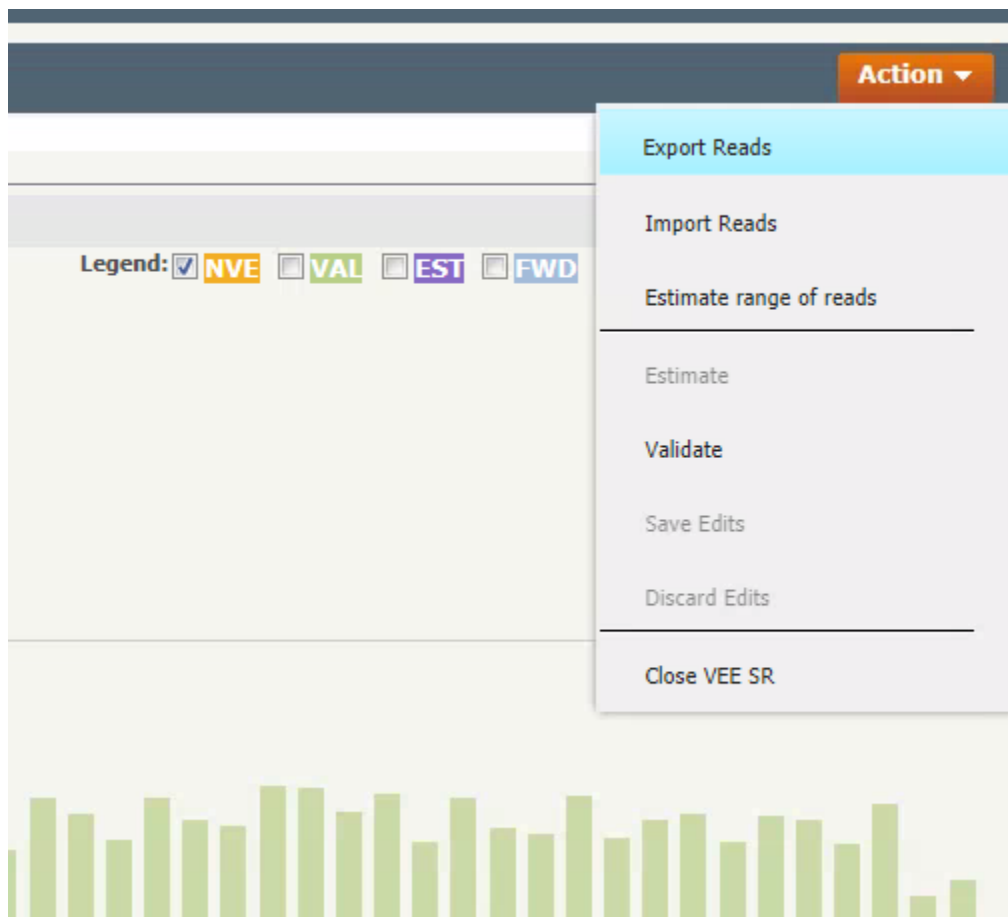
- Change to a different channel by switching between Interval Reads tab and Register Reads tab



The screenshot shows the EnergyIP interface with the 'Meter Data' tab selected. The 'Interval Reads' and 'Register Reads' tabs are highlighted with a red box. Below them, a dropdown menu is open, showing the current channel 'KWH Del 15 Interval Read'. A red arrow points from a text box to the dropdown menu. The text box contains the instruction: 'Change the channel by using the dropdown menu'. Other interface elements include 'Search', 'Information', 'Device Events', 'Manual Edit', 'Show Inactive Channels', 'Show Channel Info', and 'Add Reference Channel' buttons. Summary statistics for the current channel are displayed: Sum: 33.051, Avg: 0.3438, and Max: 0.699.

Exporting Data

- Hover over the Action button
- Select Export Reads



The screenshot shows the EnergyIP interface with the 'Action' button highlighted in orange. A dropdown menu is open, showing the following options: 'Export Reads', 'Import Reads', 'Estimate range of reads', 'Estimate', 'Validate', 'Save Edits', 'Discard Edits', and 'Close VEE SR'. The 'Export Reads' option is highlighted in light blue. In the background, there is a legend with checkboxes for 'NVE', 'VAL', 'EST', and 'FWD', and a bar chart showing data points.

EnergyIP: Basic Navigation

- Select start and end dates on calendar
- Select channels to be exported
- Click Export

Export Reads ✕

Start Date: End Date:

Channels Show Inactive Channels

| <input type="checkbox"/> Channel | Active |
|--|--------|
| <input checked="" type="checkbox"/> KWH Del 15 Interval Read | Y |
| <input type="checkbox"/> VOLTS 15 Interval Maximum Phase A | Y |
| <input type="checkbox"/> VOLTS 15 Interval Minimum Phase A | Y |
| <input type="checkbox"/> KWH Rec 15 Interval Read | Y |
| <input type="checkbox"/> KWH Rec Total Cumulative Register Read | Y |
| <input type="checkbox"/> KWH Del On Peak Cumulative Register Read | Y |
| <input type="checkbox"/> KWH Del Off Peak Cumulative Register Read | Y |
| <input type="checkbox"/> KWH Del Total Cumulative Register Read | Y |
| <input type="checkbox"/> VOLTS Register Average | Y |

- Open Excel document and save to your local drive

EnergyIP: Basic Navigation

Usage Channel Data

- Select the Usage channel from summary page either under Active Channels or from Channels tab on left side bar

| Active Channels (14) | | | | | |
|----------------------|--|----------|---------------------|------------|--|
| Ref | Measurement | Type | Last Read Date | Value | |
| 406482 | KW Del Total Demand Daily Register Re... | Register | 08/22/2018 09:48:00 | 10.672 | |
| 406483 | KW Del On Peak Demand Daily Register... | Register | 08/22/2018 09:48:00 | 10.672 | |
| 406484 | KW Del Off Peak Demand Daily Register... | Register | 08/22/2018 09:48:00 | 9.424 | |
| 406486 | KWH Del Usage Read | Usage | 08/22/2018 00:00:00 | 33.051 | |
| 406490 | VOLTS Register Average | Register | 08/22/2018 09:48:00 | 245.730387 | |

OR

The screenshot shows the EnergyIP interface. On the left is a navigation menu with tabs for 'Search' and 'Information'. The 'Information' tab is active, showing a list of menu items: Service Point Summary, Billing Requests, Service Requests, DTS Requests, Customer, Accounts, Consumers, Assets and Services, Service Point, Channels, Devices, Data Service, and Service Agri. The 'Channels' menu item is highlighted, and a red arrow points from it to a table of channels. The table has columns for Ref, Name, and Type. The row with Ref 406486, Name 'KWH Del Usage Read', and Type 'Usage' is highlighted with a red box.

| Ref | Name | Type |
|--------|--|---------------|
| 406485 | KWH Del 15 Interval Read | Interval Data |
| 406479 | KWH Del Total Cumulative Register Read | Register |
| 406480 | KWH Del On Peak Cumulative Register Read | Register |
| 406481 | KWH Del Off Peak Cumulative Register Read | Register |
| 406482 | KW Del Total Demand Daily Register Read | Register |
| 406483 | KW Del On Peak Demand Daily Register Read | Register |
| 406484 | KW Del Off Peak Demand Daily Register Read | Register |
| 406486 | KWH Del Usage Read | Usage |
| 406490 | VOLTS Register Average | Register |
| 406488 | KWH Rec 15 Interval Read | Interval Data |
| 406487 | KWH Rec Total Cumulative Register Read | Register |
| 406489 | KWH Rec Usage Read | Usage |
| 406491 | VOLTS 15 Interval Minimum Phase A | Interval Data |
| 406492 | VOLTS 15 Interval Maximum Phase A | Interval Data |

EnergyIP: Basic Navigation

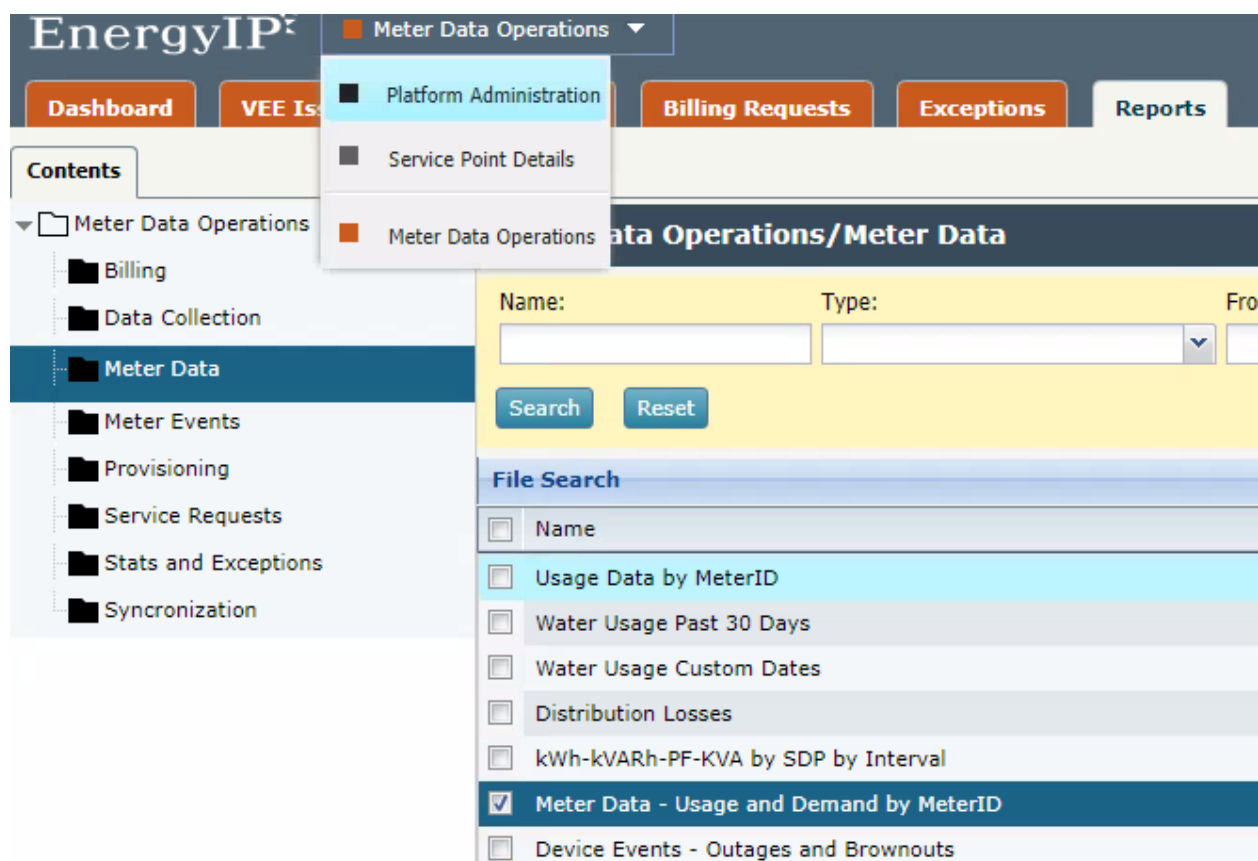
- Click Action >> Show Columns to show Demand Peak

| Usage Channel | | | | | | | | | | | | 08/22/2018 30 days | | Action |
|---------------------|---------------------|------------------|-----|--------------|-------------------|--------|---------------------|----------------------|-------------|---------------------|-----------------|--------------------|--|--------|
| Read Start Time | Read End Time | Time Period Type | Bin | Status Flags | Validation Status | Usage | Number of Intervals | Number of Est Int... | Demand Peak | Demand Peak Time | Estimated Us... | Last U | | |
| 07/23/2018 00:00:00 | 07/24/2018 00:00:00 | D | 0 | 0 | VAL | 24.756 | 96 | 0 | 2.064 | 07/23/2018 22:30:00 | 0 | 07/ | | |
| 07/23/2018 00:00:00 | 07/24/2018 00:00:00 | D | 1 | 0 | VAL | 13.809 | 48 | 0 | 2.064 | 07/23/2018 22:30:00 | 0 | 07/ | | |
| 07/23/2018 00:00:00 | 07/24/2018 00:00:00 | D | 2 | 0 | VAL | 10.947 | 48 | 0 | 1.332 | 07/23/2018 17:30:00 | 0 | 07/ | | |
| 07/24/2018 00:00:00 | 07/25/2018 00:00:00 | D | 0 | 0 | VAL | 29.934 | 96 | 0 | 3.552 | 07/24/2018 17:00:00 | 0 | 07/ | | |
| 07/24/2018 00:00:00 | 07/25/2018 00:00:00 | D | 1 | 0 | VAL | 16.959 | 48 | 0 | 2.208 | 07/24/2018 07:15:00 | 0 | 07/ | | |
| 07/24/2018 00:00:00 | 07/25/2018 00:00:00 | D | 2 | 0 | VAL | 12.975 | 48 | 0 | 3.552 | 07/24/2018 17:00:00 | 0 | 07/ | | |
| 07/25/2018 00:00:00 | 07/26/2018 00:00:00 | D | 0 | 0 | VAL | 26.403 | 96 | 0 | 3.074 | 07/25/2018 18:45:00 | 0 | 07/ | | |

EnergyIP: Basic Navigation

Exporting Data to Excel using Reports

- Meter Data Operation platform
- Reports Tab
- Open Meter data Operations folder on left side menu
- Locate desired report
- Check the box next to report or double-click on the report to open it.
 - Follow prompts for date and/or meter ID (meter#) or udc ID (SDP#)



- Export to Excel, PDF, or Print report

