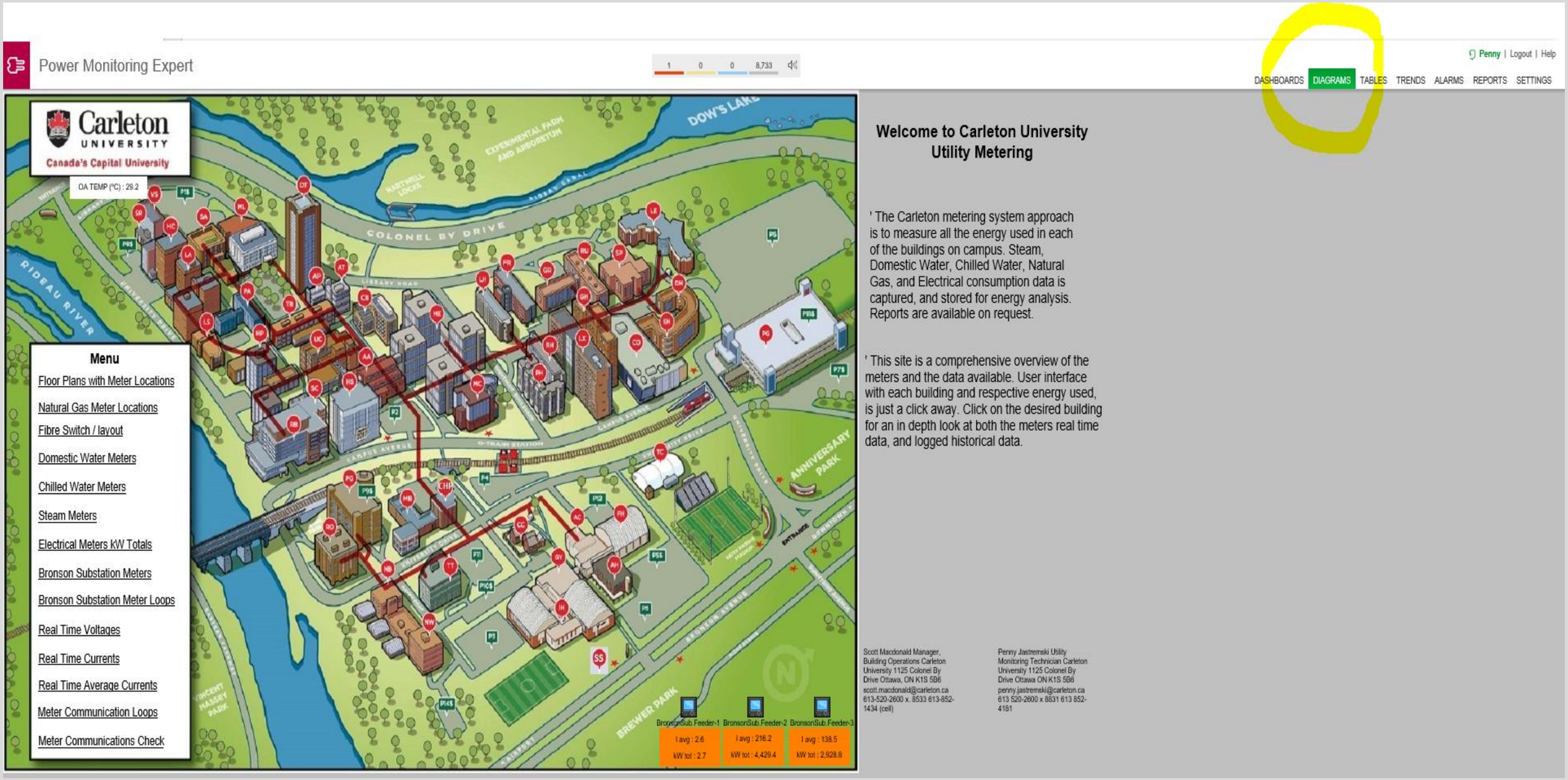
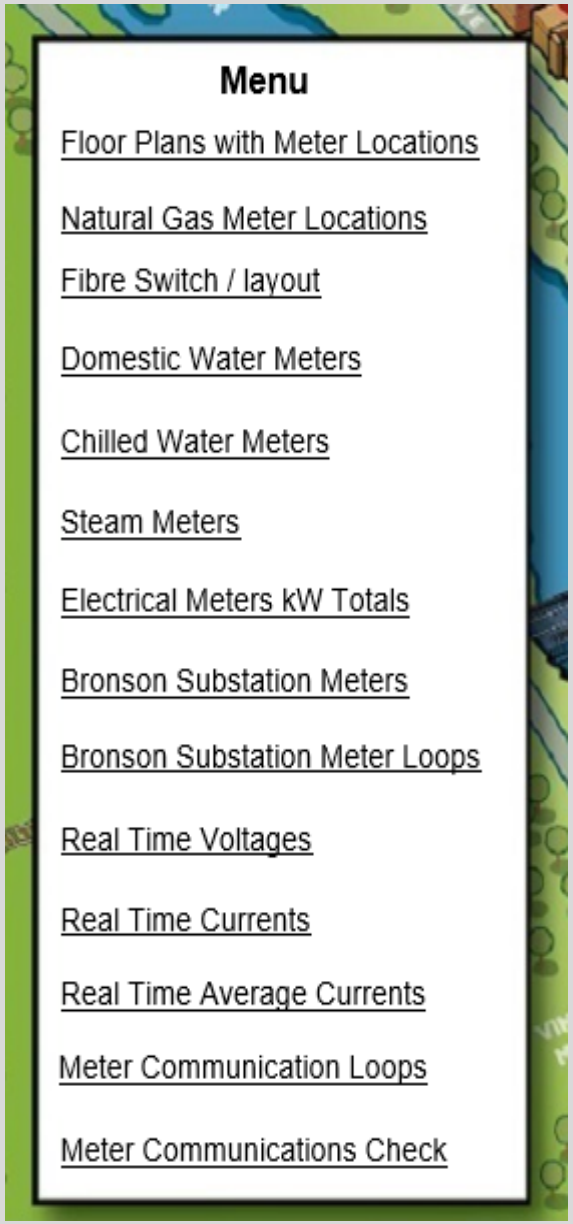
Carleton University Campus

Campus Utility Metering PME Vista

Web Application User Interface



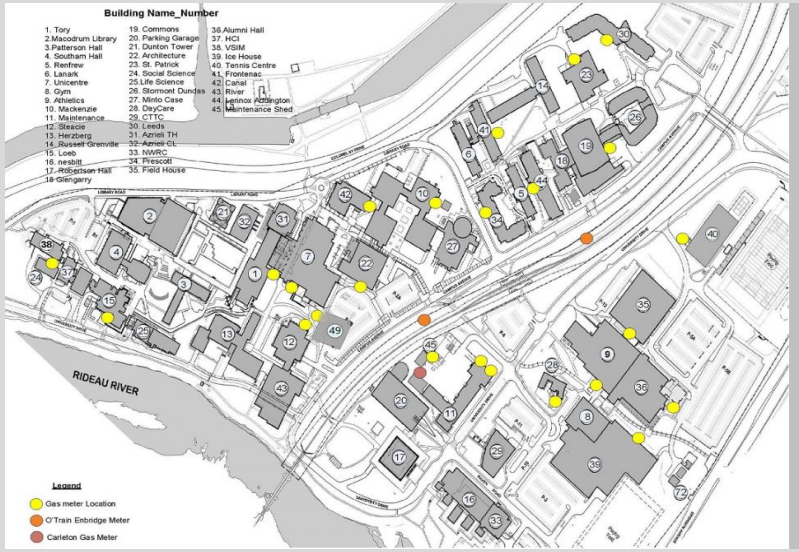
Options from the Menu



- To select a page from the menu, hover over desired page title and double click with mouse

- To select the desired building double click red circle.

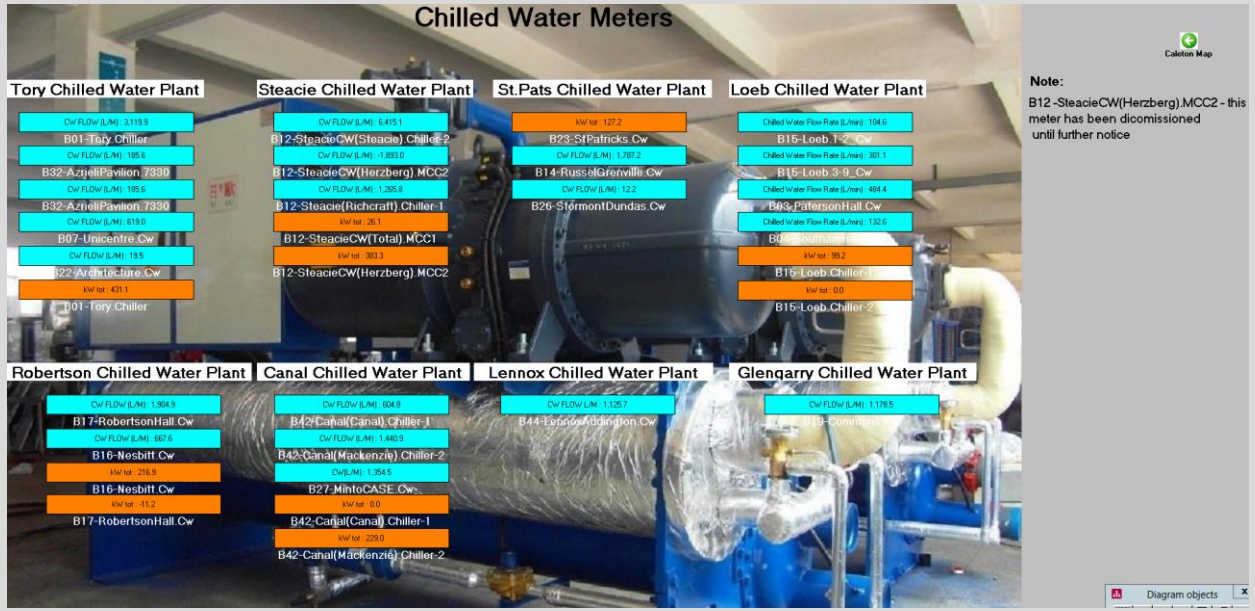
Examples from the Menu

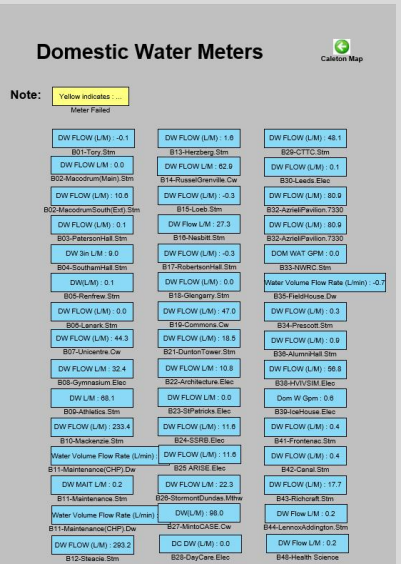


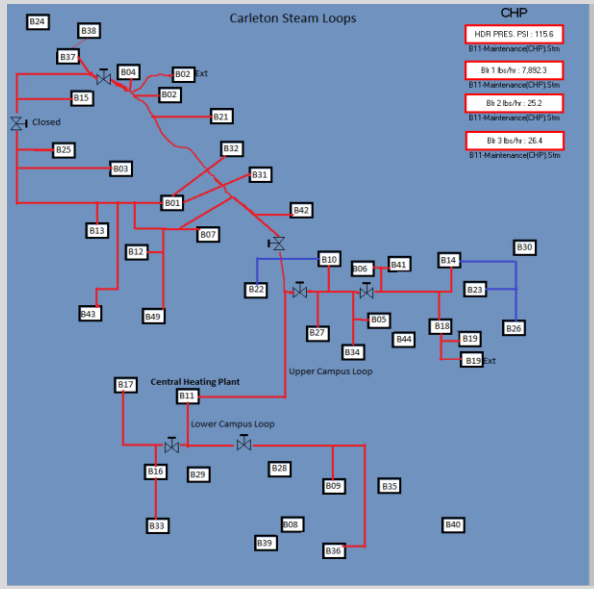
Enbridge Natural Gas Meters

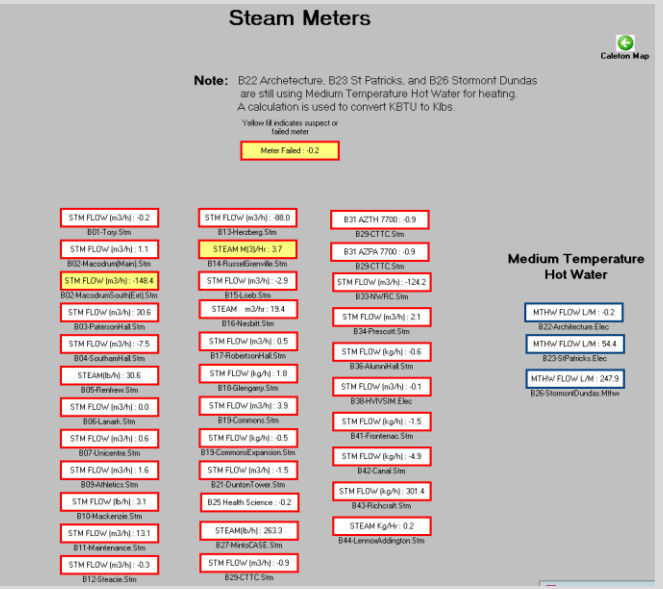
Enbridge Gas Meters

Note: B42 Canal bldg. has a gas meter, but it is not connected

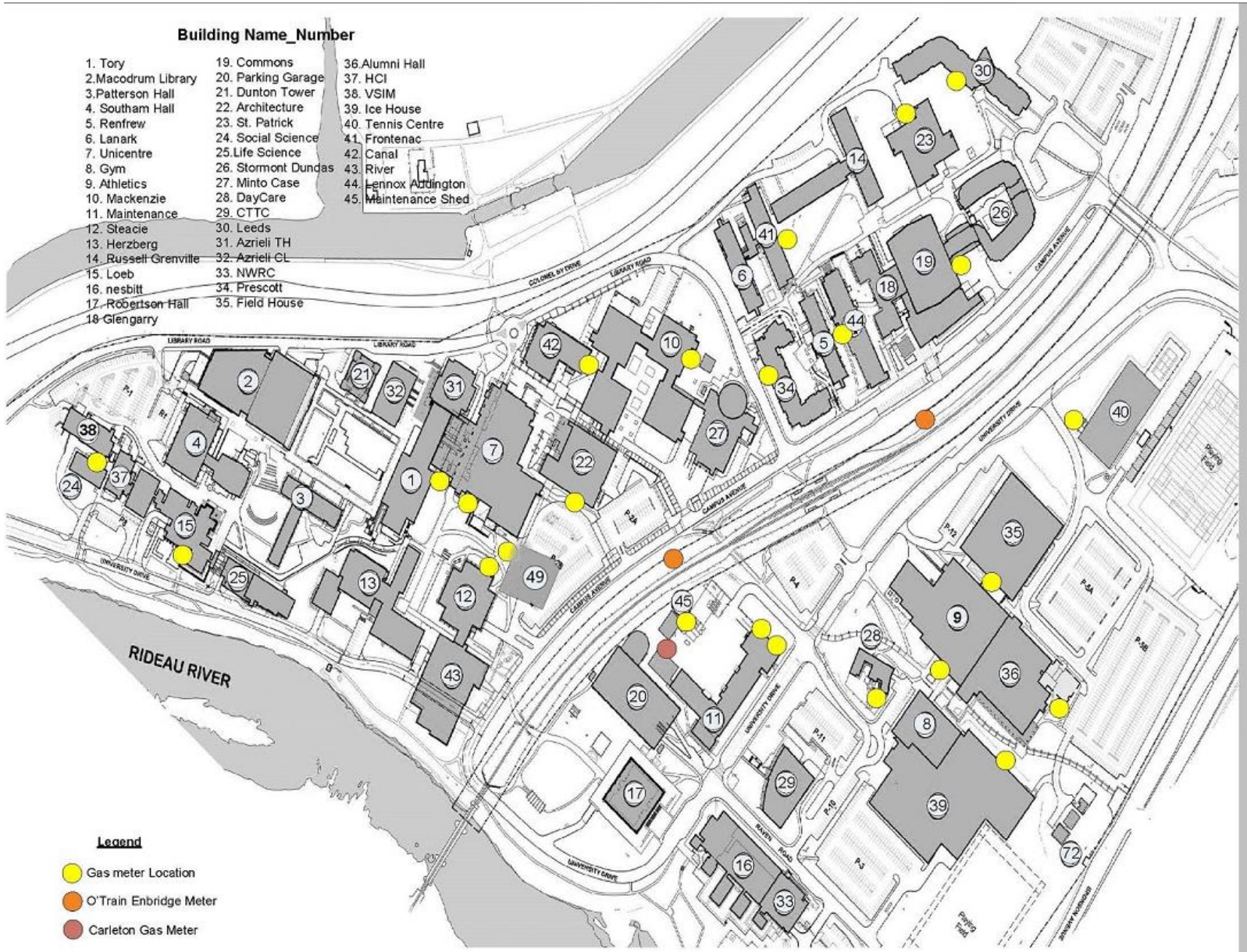








Natural Gas Meters

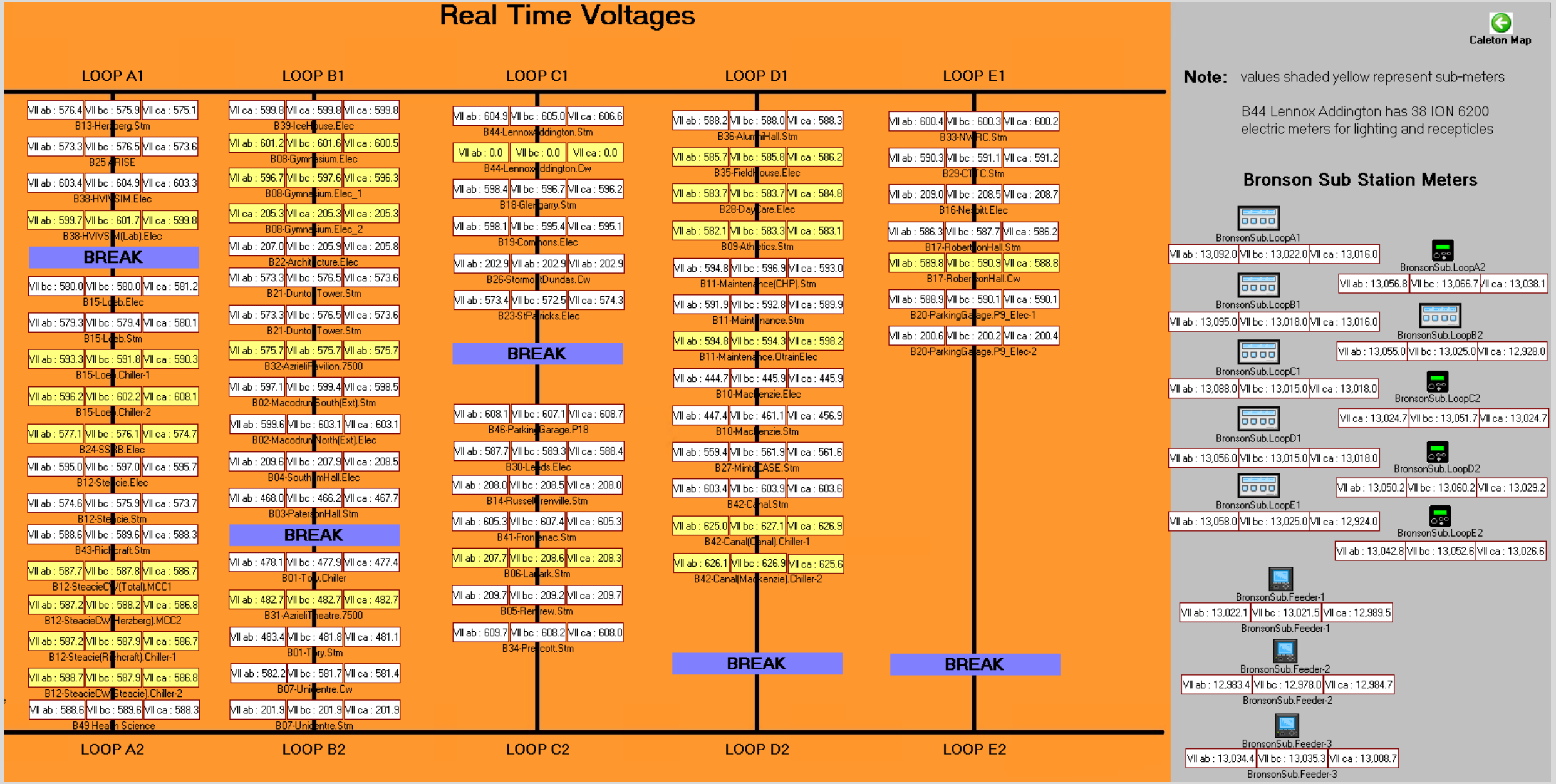


Enbridge Natural Gas Meters

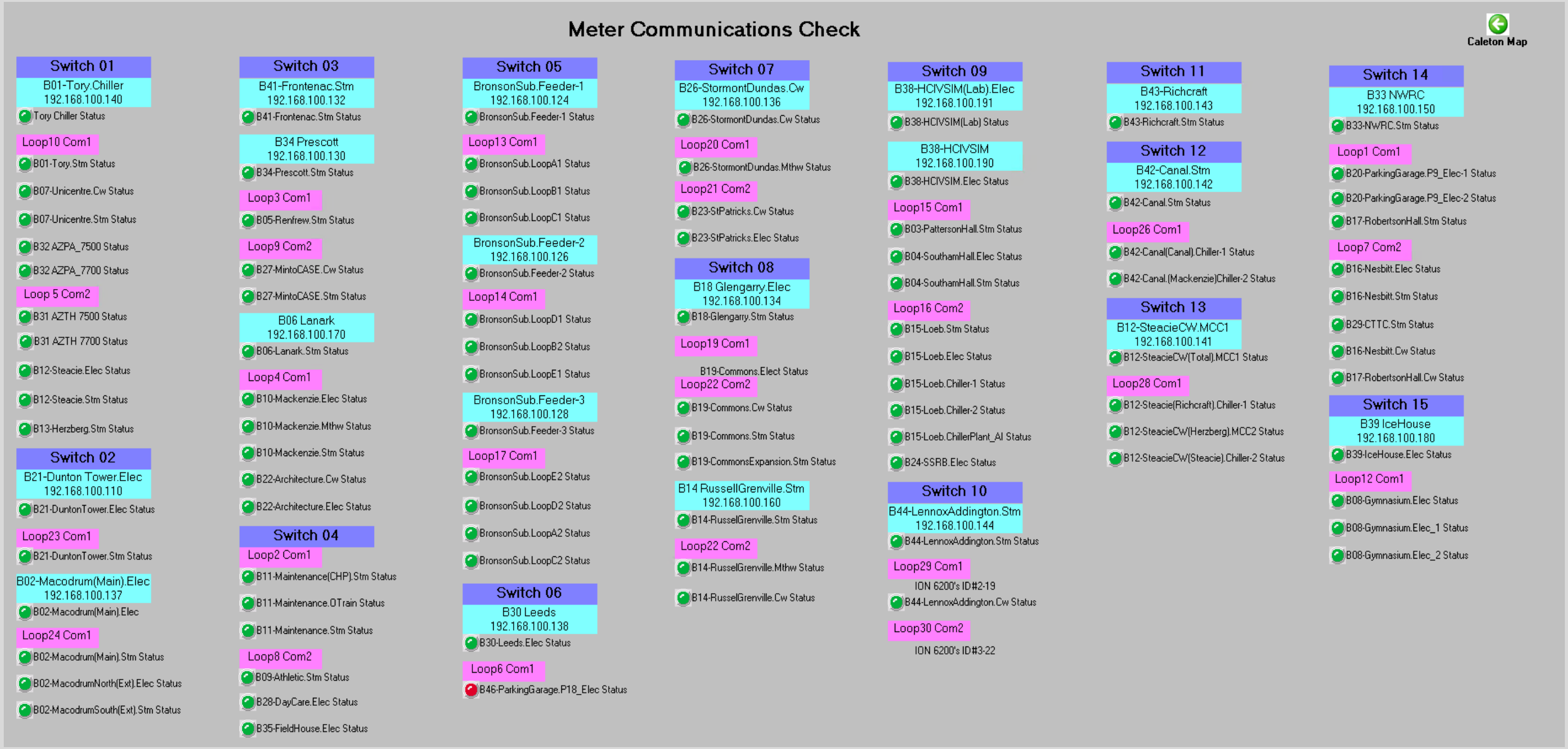
Enbridge Gas Meters

Note: B42 Canal bldg. has a gas meter, but it is not connected

Electrical Real time Data by Loops

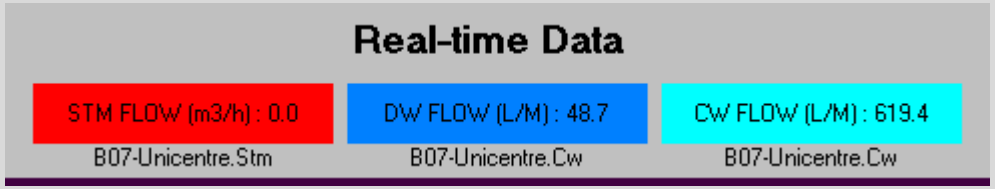


Meter Communications Check



When Selecting A Building

- Once you have selected a building the new page will offer;
- a photo of the building
- square footage
- relevant notes
- Real-time data for analog inputs



- Historical data logs

- An icon for selecting floor plans identifying location of meters in the building

- All the icons for every electrical meter in that building for real-time electrical data

Sample Building

B44 Lennox Addington House

Caleton Map

142,405 sq. ft.

Meters: 2 ION bldg meters, B44-LennoxAddington.Stm, B44-LennoxAddington.Cw, 38 ION 6200's, 1 gas meter, B44-LennoxAddington.Gas

Electrical = B44-LennoxAddington.Stm

Steam = B44-LennoxAddington.Stm

Domestic Water = B44-LennoxAddington.Stm

Chilled Water = B44-LennoxAddington.Cw

Enbridge Gas Meter = Manually read at month end

Note:

B44 Lennox Addington Meter Location

Real-time Data

STEAM Kg/Hr : 0.2 — B44-LennoxAddington.Stm

DW Flow L/M : 20.1 — B44-LennoxAddington.Stm

CW FLOW L/M : 1,132.1 — B44-LennoxAddington.Cw

ION Meters

B44-LennoxAddington.Stm

B44-LennoxAddington.Cw

38 ION 6200's

Logged Historical Data

B44-Electrical

B44-Steam

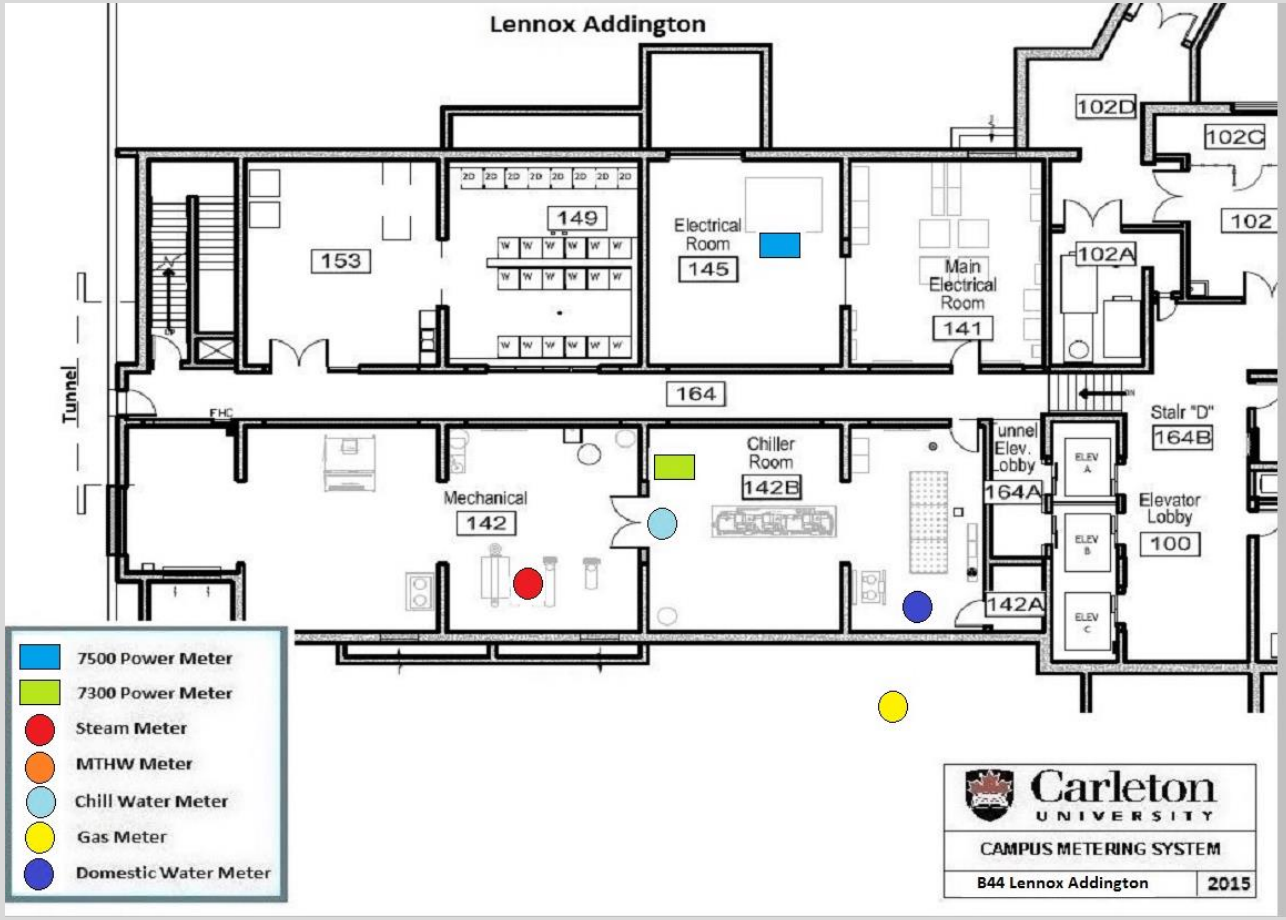
B44-Domestic Water

B44-Lennox Addinton Gas

B44-Chilled Water

Diagram objects

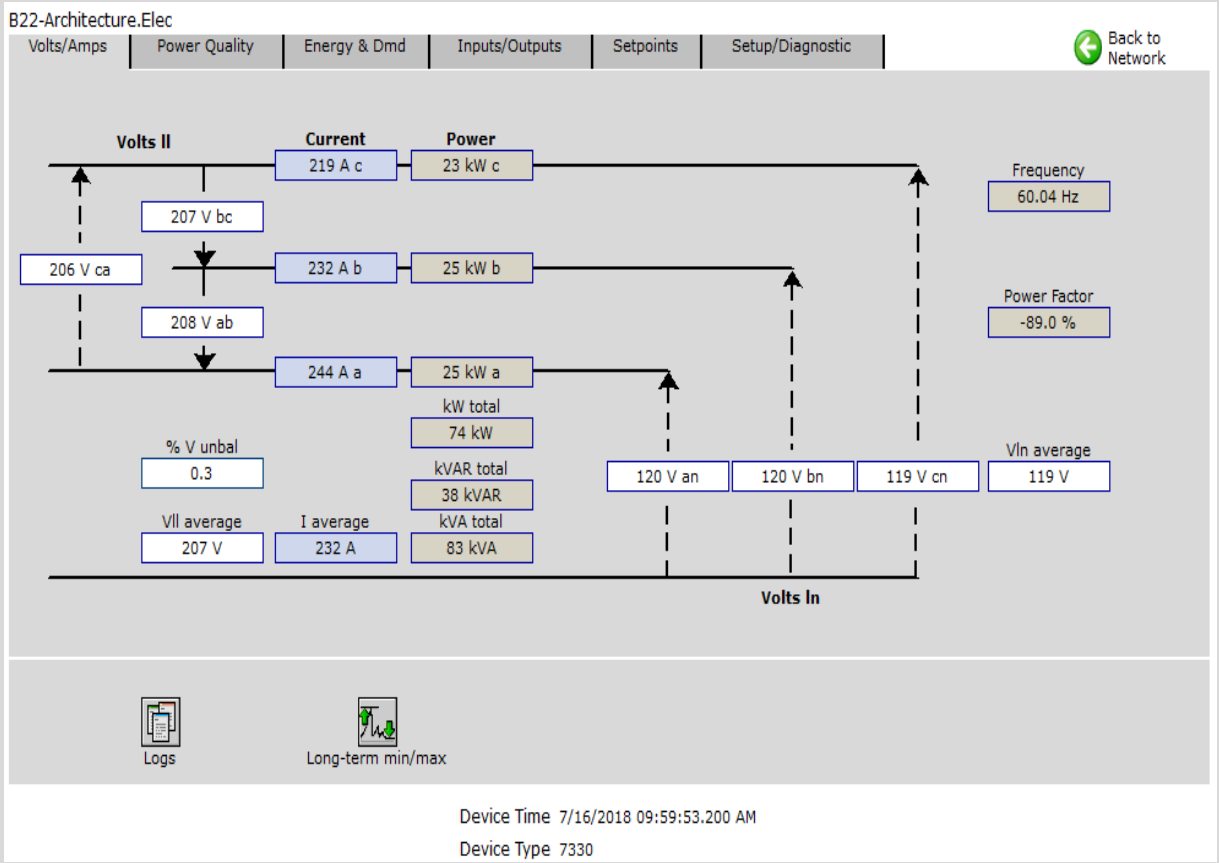
Floor Plan for Meter Locations Icon

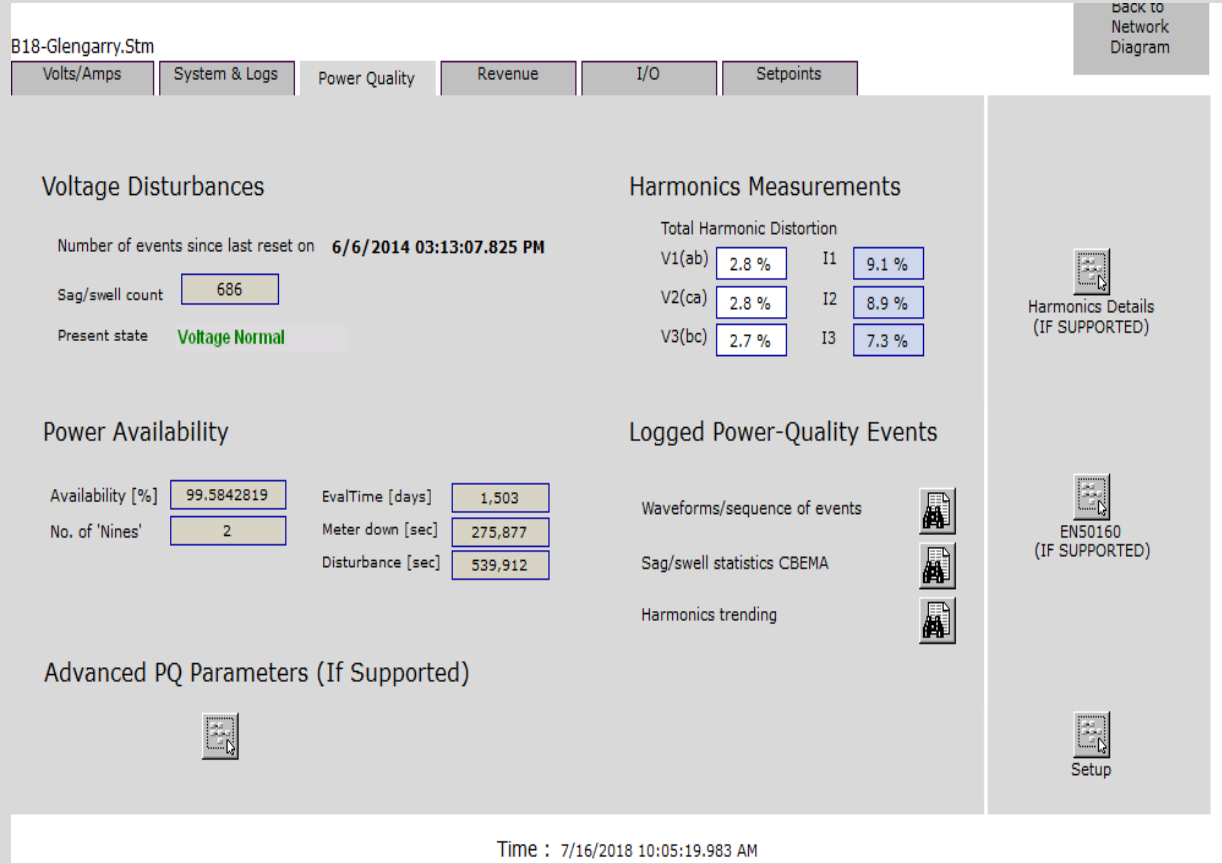


B44 Lennox Addington

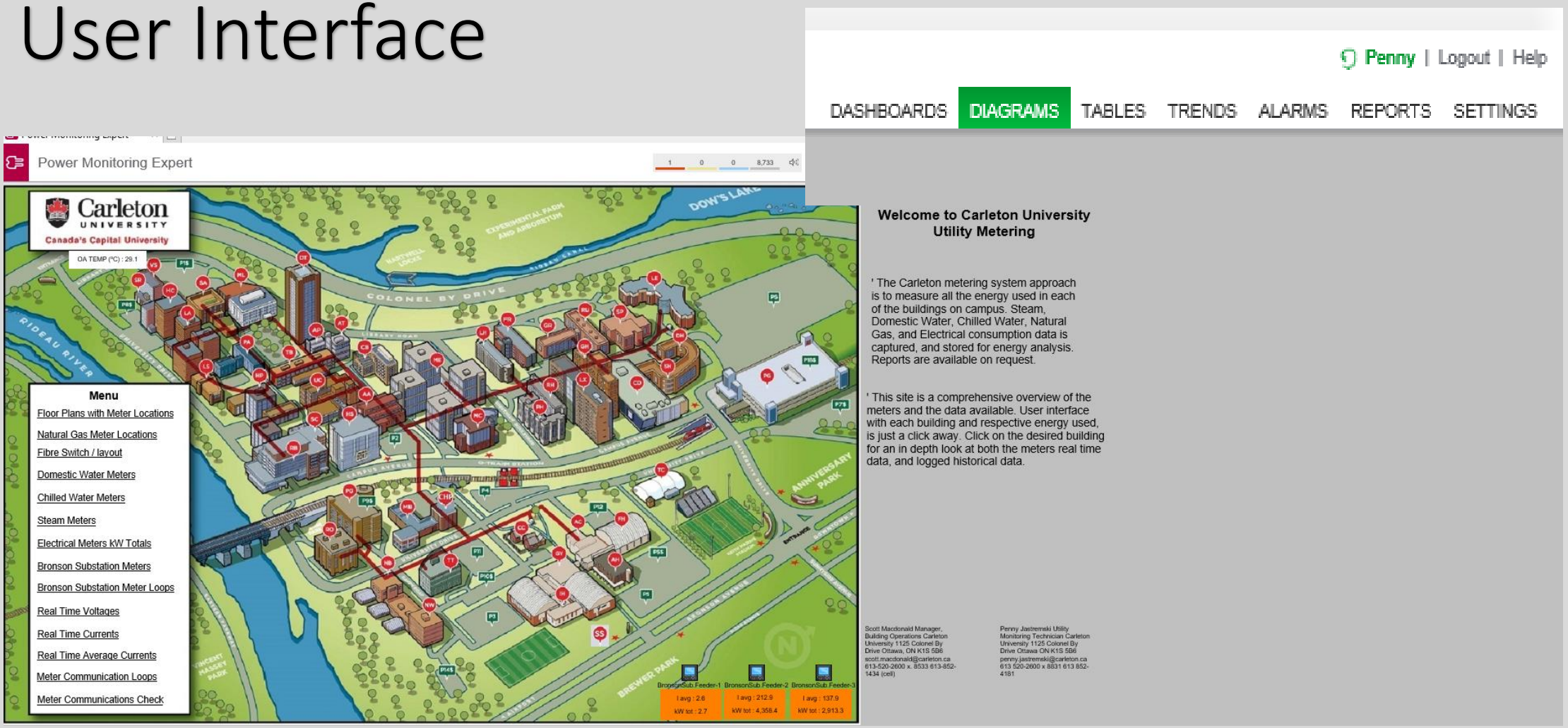
Note: there are 38 ION 6200's
4 meters located on each floor in the electrical room near stairwell "A" it is broke out as East and West, and lighting and recepticals.

Selecting the Meter Icon

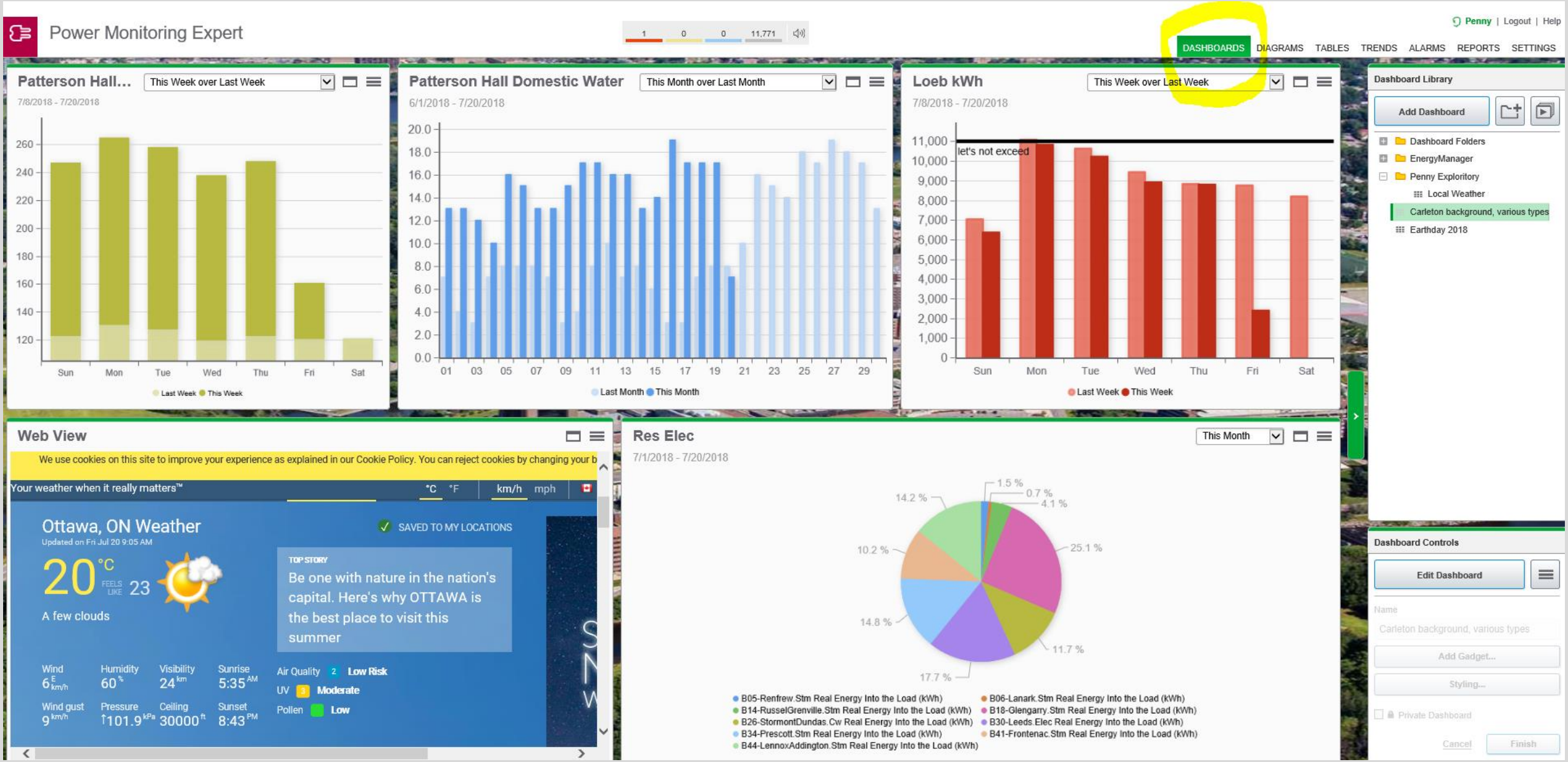




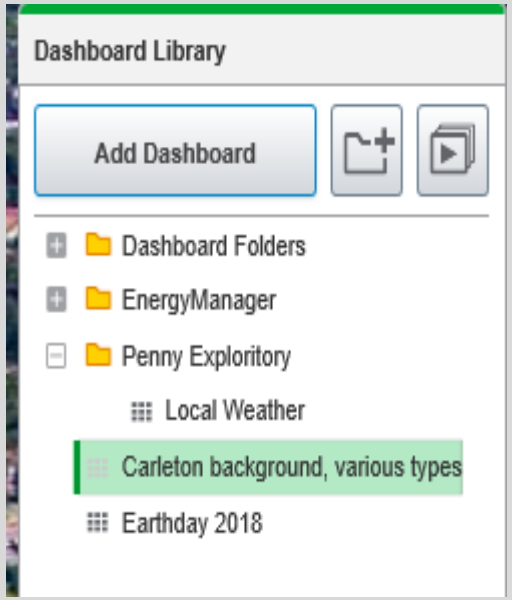
PME Web Application User Interface

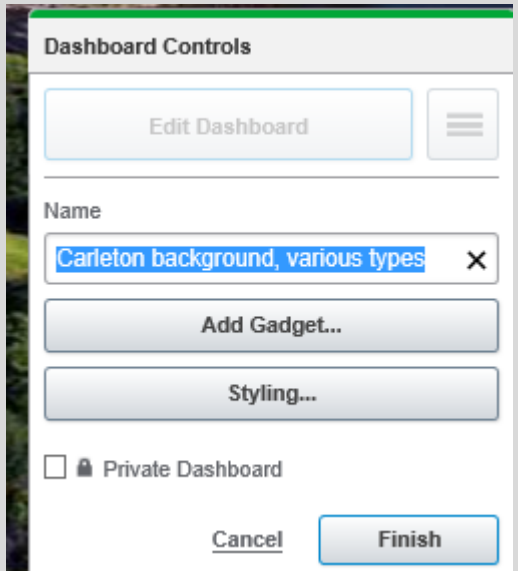


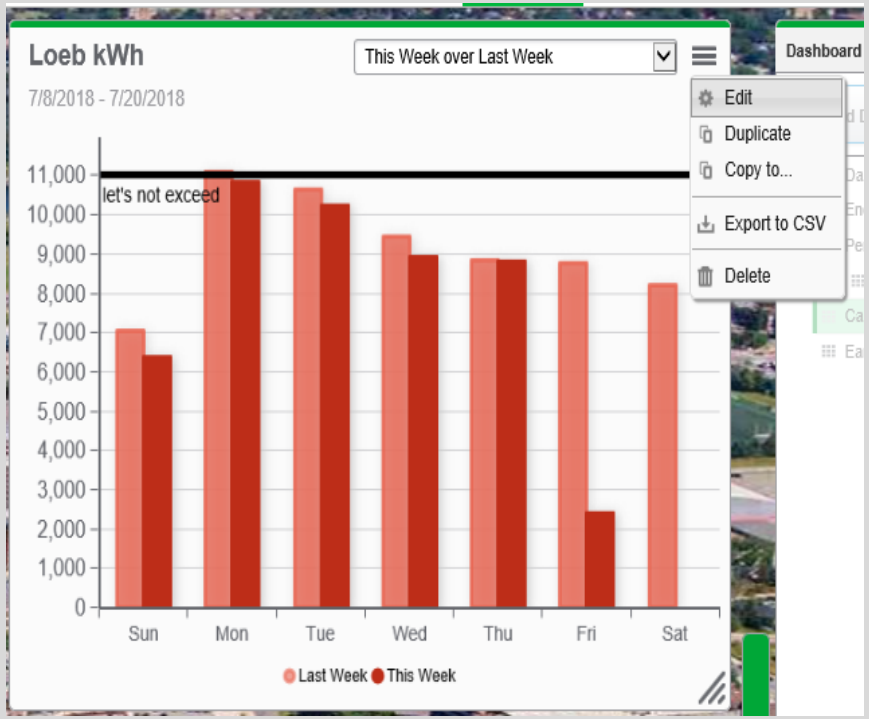
Dashboards

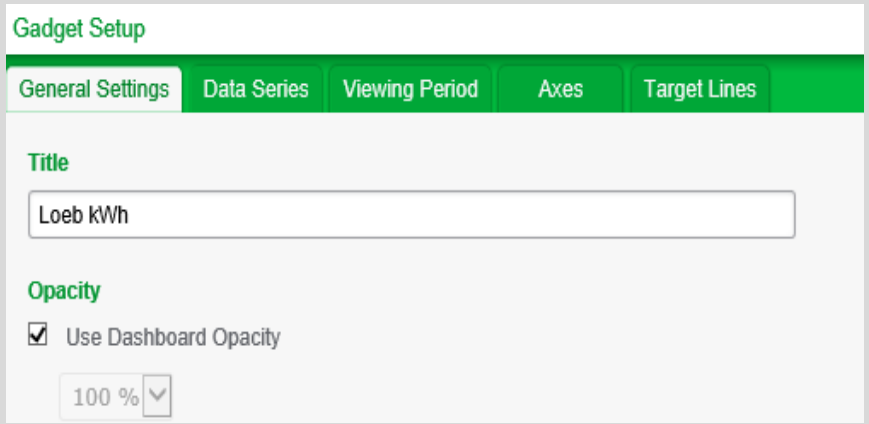

Power Monitoring Expert
Penny | Logout | Help
DASHBOARDS DIAGRAMS TABLES TRENDS ALARMS REPORTS SETTINGS
Patterson Hall...
This Week over Last Week
7/8/2018 - 7/20/2018
Sun Mon Tue Wed Thu Fri Sat
Last Week This Week
Patterson Hall Domestic Water
This Month over Last Month
6/1/2018 - 7/20/2018
Last Month This Month
Loeb kWh
This Week over Last Week
7/8/2018 - 7/20/2018
let's not exceed
Last Week This Week
Dashboard Library
Add Dashboard
Dashboard Folders
EnergyManager
Penny Exploritory
Local Weather
Carleton background, various types
Earthday 2018
Web View
We use cookies on this site to improve your experience as explained in our Cookie Policy. You can reject cookies by changing your b
Your weather when it really matters™
Ottawa, ON Weather
Updated on Fri Jul 20 9:05 AM
SAVED TO MY LOCATIONS
20 °C
FEELS LIKE 23
A few clouds
TOP STORY
Be one with nature in the nation's capital. Here's why OTTAWA is the best place to visit this summer
Wind 6 km/h
Humidity 60 %
Visibility 24 km
Sunrise 5:35 AM
Wind gust 9 km/h
Pressure 101.9 kPa
Ceiling 30000 ft
Sunset 8:43 PM
Air Quality 2 Low Risk
UV 3 Moderate
Pollen Low
Res Elec
This Month
7/1/2018 - 7/20/2018
1.5 %
0.7 %
4.1 %
25.1 %
11.7 %
17.7 %
14.8 %
10.2 %
14.2 %
B05-Renfrew.Stm Real Energy Into the Load (kWh)
B06-Lanark.Stm Real Energy Into the Load (kWh)
B14-RusselGrenville.Stm Real Energy Into the Load (kWh)
B18-Glengarry.Stm Real Energy Into the Load (kWh)
B26-StormontDundas.Cw Real Energy Into the Load (kWh)
B30-Leeds.Elec Real Energy Into the Load (kWh)
B34-Prescott.Stm Real Energy Into the Load (kWh)
B41-Frontenac.Stm Real Energy Into the Load (kWh)
B44-LennoxAddington.Stm Real Energy Into the Load (kWh)
Dashboard Controls
Edit Dashboard
Name
Carleton background, various types
Add Gadget...
Styling...
Private Dashboard
Cancel
Finish

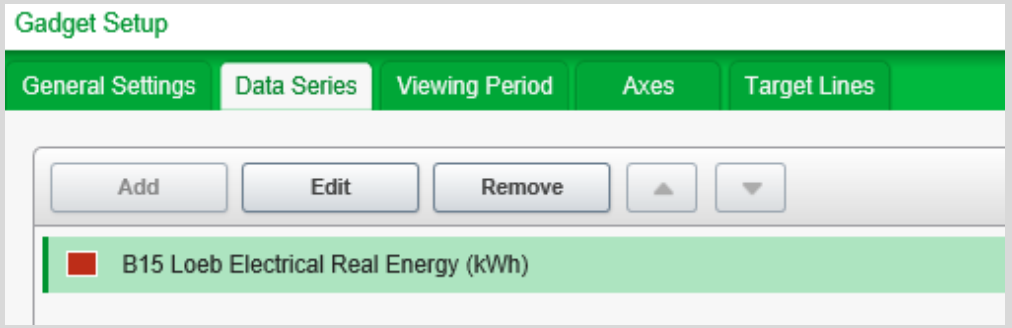
Building your Dashboards

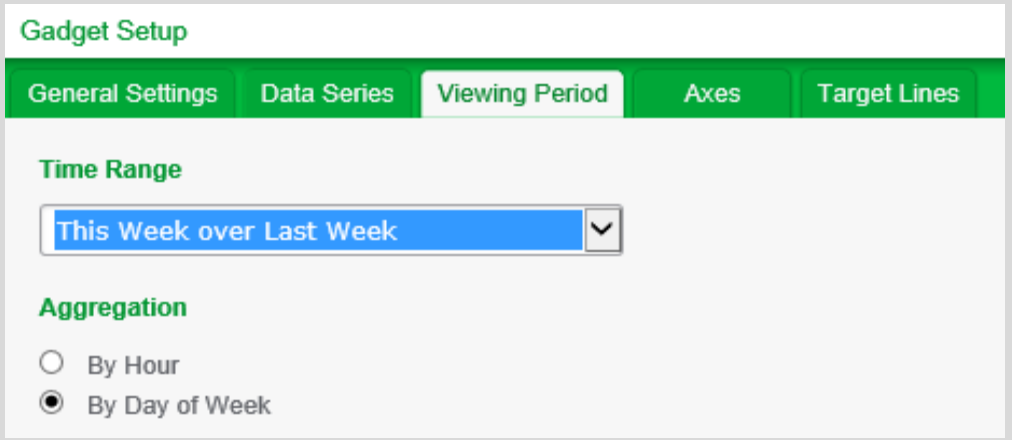


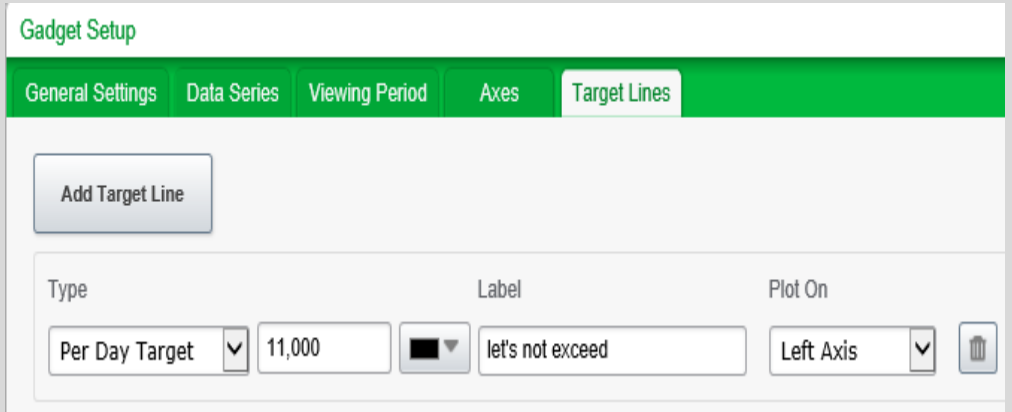






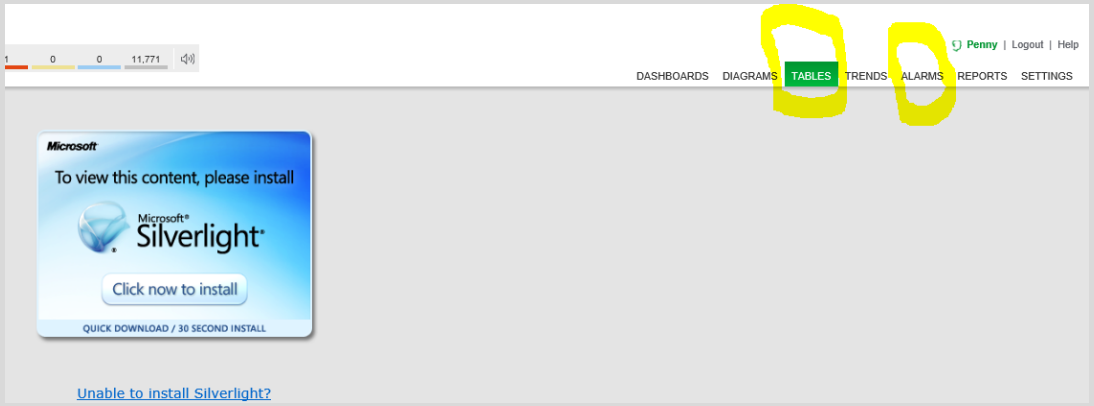




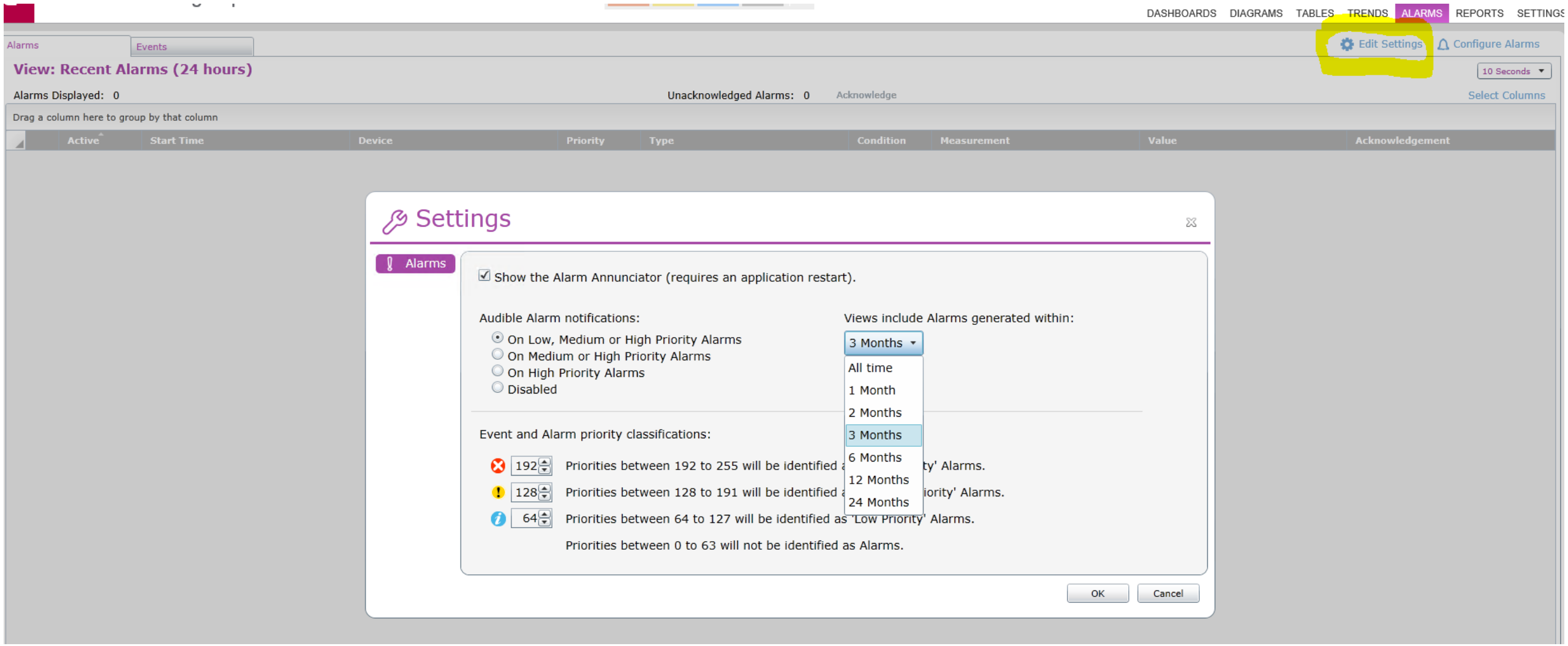


Tables and Alarms

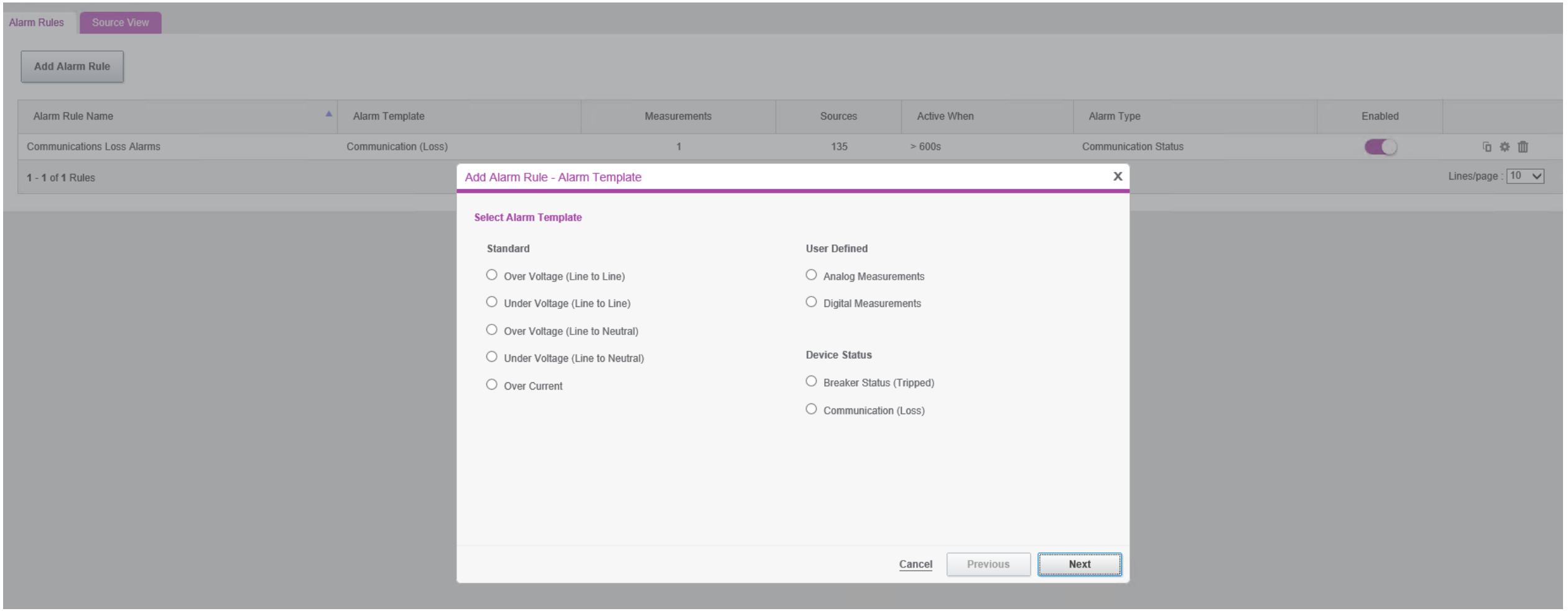
Both tabs; Tables and Alarm are currently not available in any other browser other than Internet Explorer



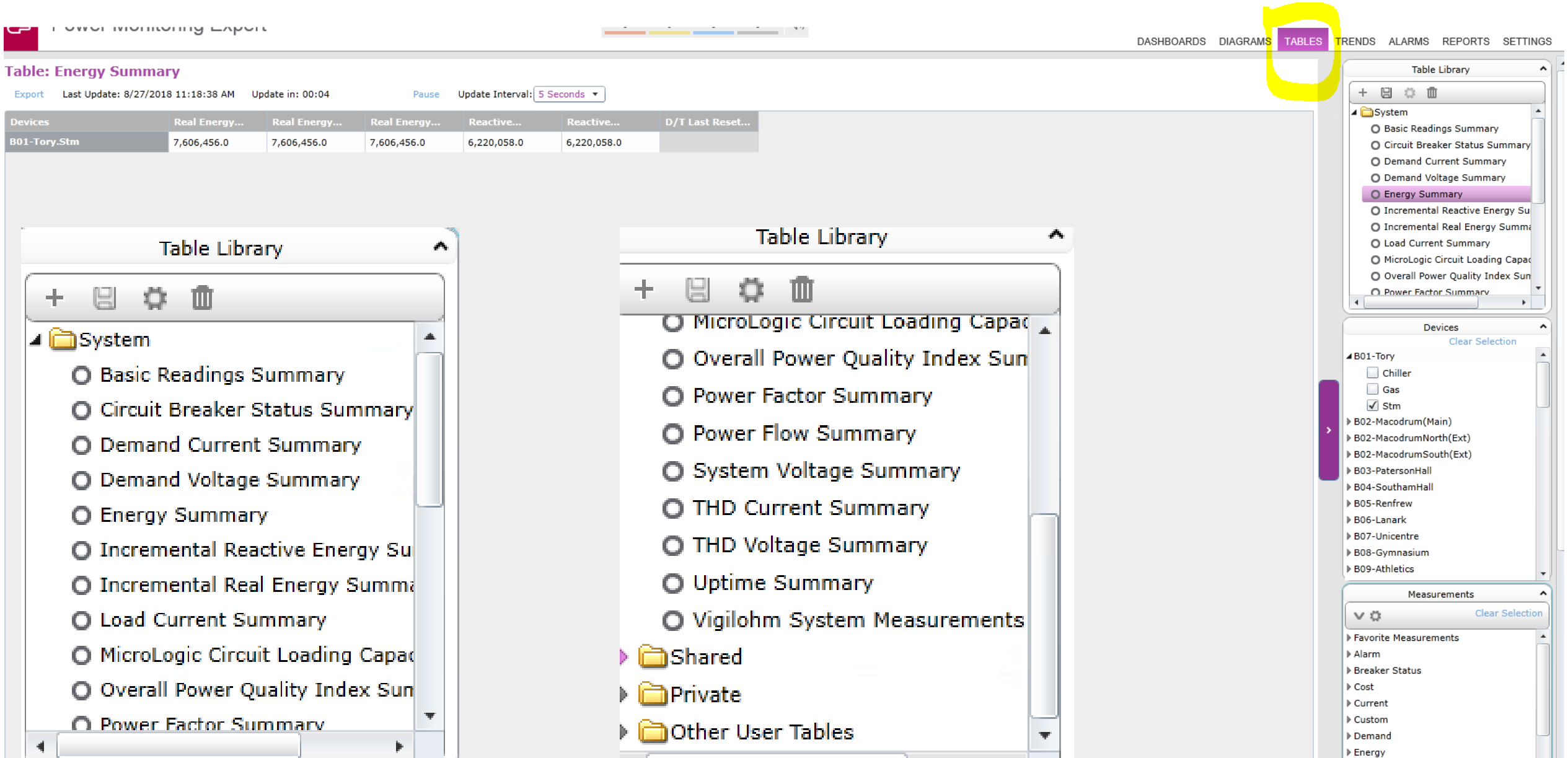
Alarms


DASHBOARDS
DIAGRAMS
TABLES
TRENDS
ALARMS
REPORTS
SETTINGS
Alarms
Events
Edit Settings
Configure Alarms
View: Recent Alarms (24 hours)
10 Seconds
Alarms Displayed: 0
Unacknowledged Alarms: 0
Acknowledge
Select Columns
Drag a column here to group by that column
Active
Start Time
Device
Priority
Type
Condition
Measurement
Value
Acknowledgement
Settings
Alarms
Show the Alarm Annunciator (requires an application restart).
Audible Alarm notifications:
On Low, Medium or High Priority Alarms
On Medium or High Priority Alarms
On High Priority Alarms
Disabled
Views include Alarms generated within:
3 Months
All time
1 Month
2 Months
3 Months
6 Months
12 Months
24 Months
Event and Alarm priority classifications:
192
Priorities between 192 to 255 will be identified
128
Priorities between 128 to 191 will be identified
64
Priorities between 64 to 127 will be identified as 'Low Priority' Alarms.
Priorities between 0 to 63 will not be identified as Alarms.
OK
Cancel

Configuration of Alarms



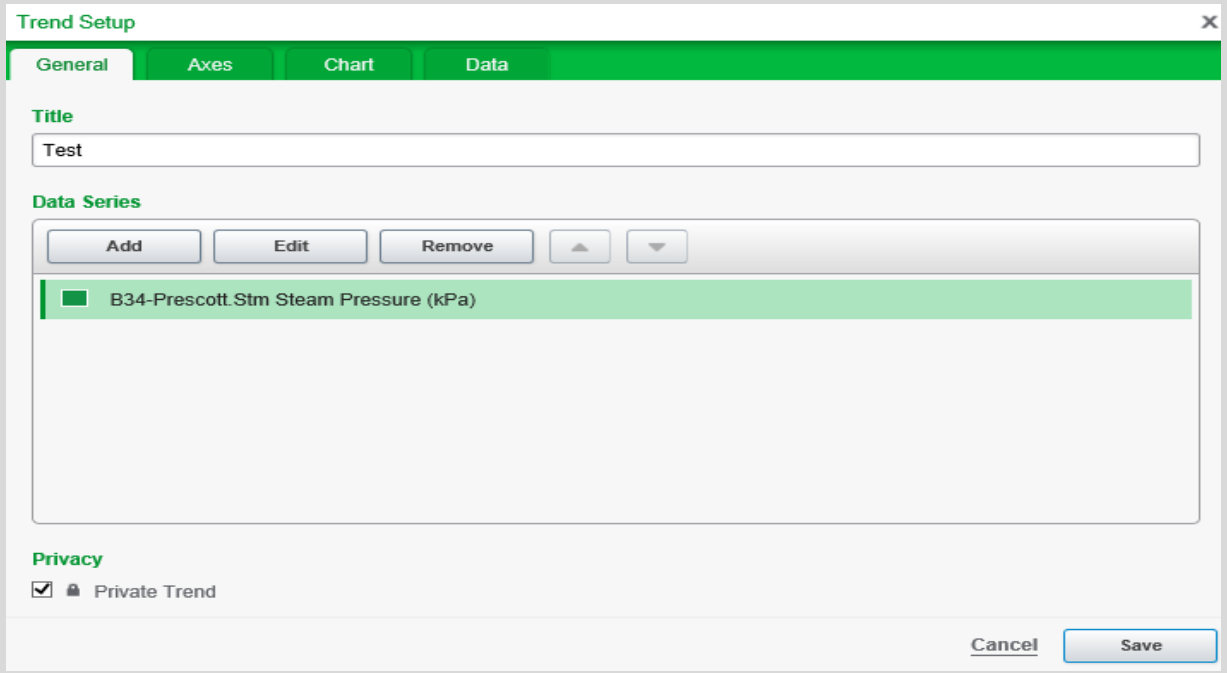
Tables

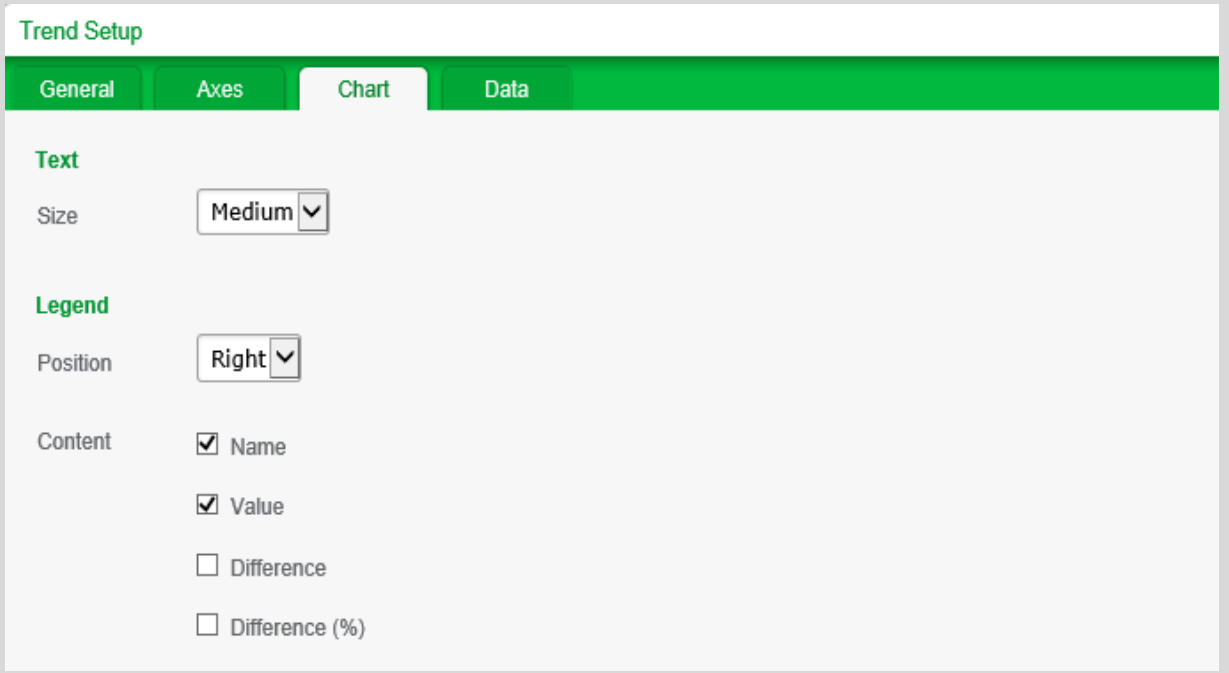

DASHBOARDS
DIAGRAMS
TABLES
TRENDS
ALARMS
REPORTS
SETTINGS
Table: Energy Summary
Export
Last Update: 8/27/2018 11:18:38 AM
Update in: 00:04
Pause
Update Interval: 5 Seconds
Devices
Real Energy...
Real Energy...
Real Energy...
Reactive...
Reactive...
D/T Last Reset...
B01-Tory.Stm
7,606,456.0
7,606,456.0
7,606,456.0
6,220,058.0
6,220,058.0
Table Library
System
Basic Readings Summary
Circuit Breaker Status Summary
Demand Current Summary
Demand Voltage Summary
Energy Summary
Incremental Reactive Energy Su
Incremental Real Energy Summa
Load Current Summary
MicroLogic Circuit Loading Capac
Overall Power Quality Index Sun
Power Factor Summary
Power Flow Summary
System Voltage Summary
THD Current Summary
THD Voltage Summary
Uptime Summary
Vigilohm System Measurements
Shared
Private
Other User Tables
Devices
Clear Selection
B01-Tory
Chiller
Gas
Stm
B02-Macodrum(Main)
B02-MacodrumNorth(Ext)
B02-MacodrumSouth(Ext)
B03-PatersonHall
B04-SouthamHall
B05-Renfrew
B06-Lanark
B07-Unicentre
B08-Gymnasium
B09-Athletics
Measurements
Clear Selection
Favorite Measurements
Alarm
Breaker Status
Cost
Current
Custom
Demand
Energy

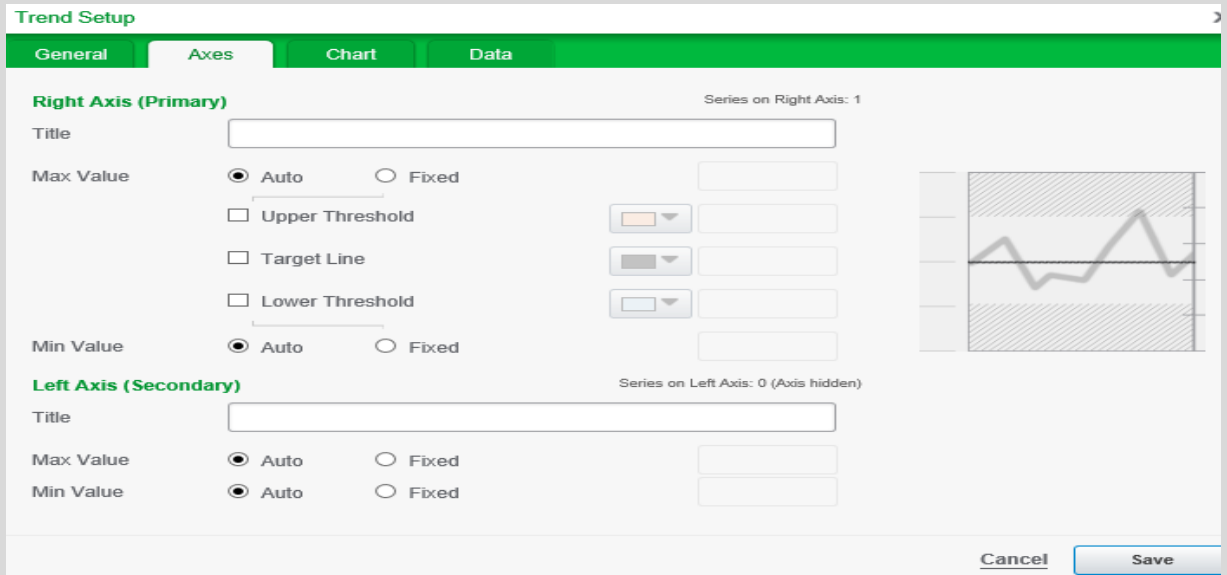
Trends

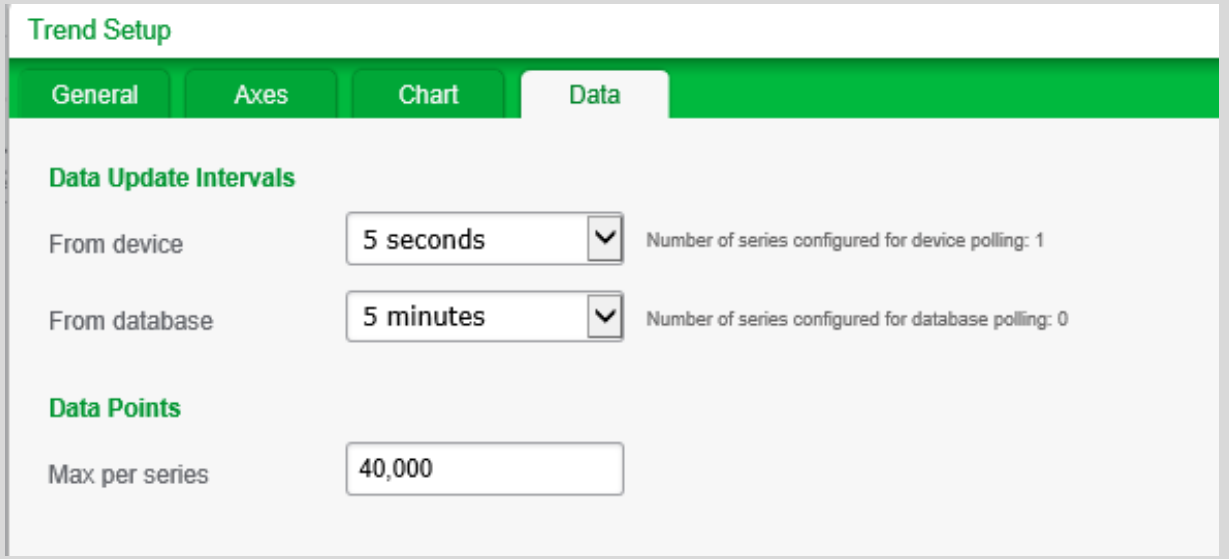

Power Monitoring Expert
1 0 0 11,771
Penny | Logout | Help
DASHBOARDS DIAGRAMS TABLES TRENDS ALARMS REPORTS SETTINGS
Minto CASE DW Flow
Update in 0:01
View: 15 minutes
92.2 B27-MintoCASE.Cw DW(L/M)
7/20/2018 10:42:30 AM
B27-MintoCASE.Cw DW(L/M): 77.8
150 140 130 120 110 100 90 80
10:32 AM 10:33 AM 10:34 AM 10:35 AM 10:36 AM 10:37 AM 10:38 AM 10:39 AM 10:40 AM 10:41 AM 10:42 AM 10:43 AM 10:44 AM 10:45 AM 10:46 AM
Steam Trend
Update in 0:12
View: 6 hours
9,632,807.0kg 0.0kgB01-Tory.Stm Steam Mass
8,456,797.0kg + 9.0kgB02-Macodrum(Main).Stm...
964,534.9kg 0.0kgB02-MacodrumSouth(Ext)....
8,445,508.0kg + 5.0kgB03-PatersonHall.Stm Stea...
5,776,591.5kg 0.0kgB04-SouthamHall.Stm Stea...
10,000,000 8,000,000 6,000,000 4,000,000 2,000,000
0 AM 4:20 AM 4:40 AM 5:00 AM 5:20 AM 5:40 AM 6:00 AM 6:20 AM 6:40 AM 7:00 AM 7:20 AM 7:40 AM 8:00 AM 8:20 AM 8:40 AM 9:00 AM 9:20 AM 9:40 AM 10:00 AM
Chilled Water Test
Update in 1:09
View: 7 days
1.5kPaB03-PatersonHall.Stm Stea...
7.0 6.0 5.0 4.0 3.0 2.0 1.0 0.0 -1.0
3 12:00 AM 7/13/2018 6:00 PM 7/14/2018 12:00 PM 7/15/2018 6:00 AM 7/16/2018 12:00 AM 7/16/2018 6:00 PM 7/17/2018 12:00 PM 7/18/2018 6:00 AM 7/19/2018 12:00 AM 7/19/2018 6:00 PM
Trend Library
Add Trend
Shared
CHP Boilers
Electric Feeders
MacKenzie
Minto CASE DW Flow
test trend
Private
Other User Trends
Chilled Water Test (supervisor)
Steam Trend (supervisor)
Test (supervisor)
water (Scott)

Building Your Trend









Reports

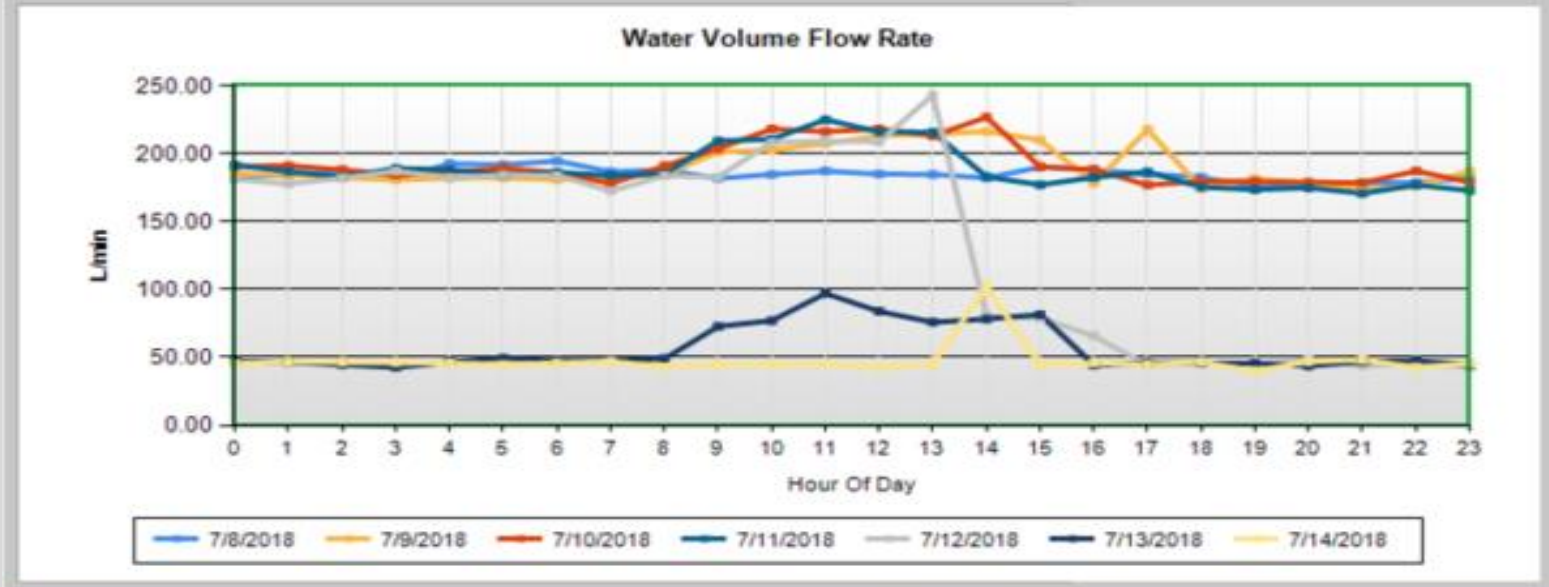
Schneider Electric

Minto CASE DW Usage Report

B27-MintoCASE.Cw

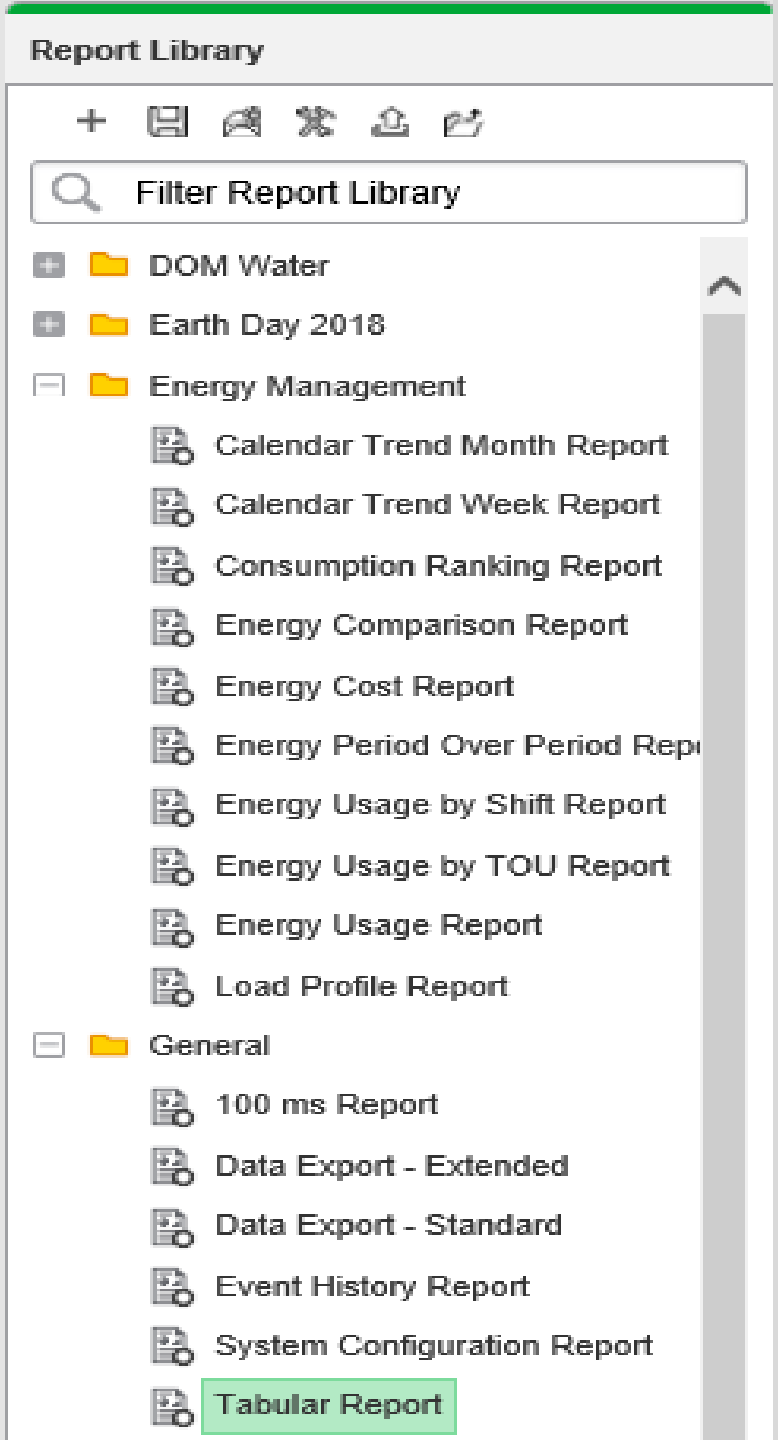
Measurement	7/8/2018	7/9/2018	7/10/2018	7/11/2018	7/12/2018	7/13/2018	7/14/2018
Water Volume Flow Rate (L/min)	4,432.11	4,575.91	4,619.37	4,527.80	3,227.48	1,350.64	1,141.05

Water Volume Flow Rate (L/min)

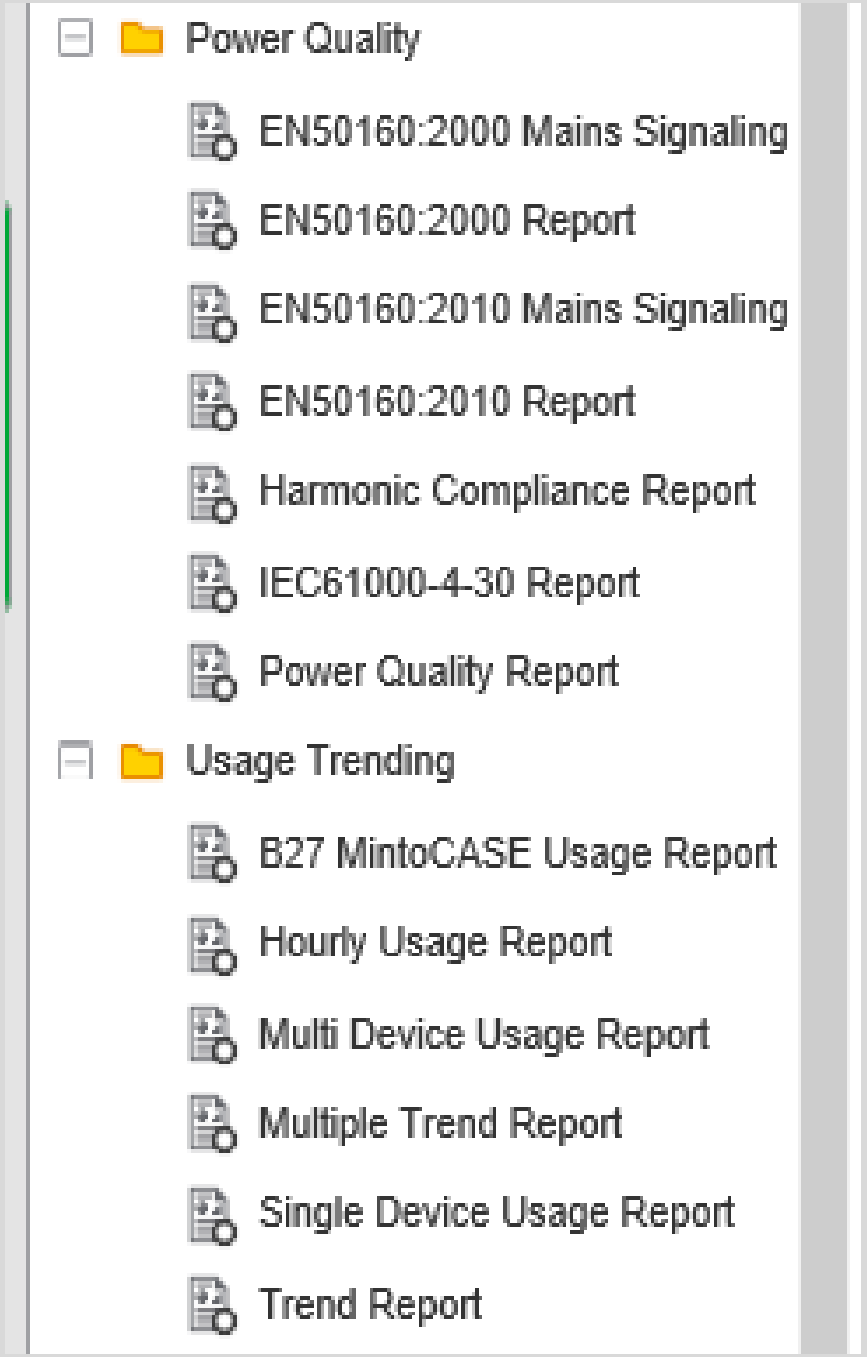


Water Volume Flow Rate (L/min)

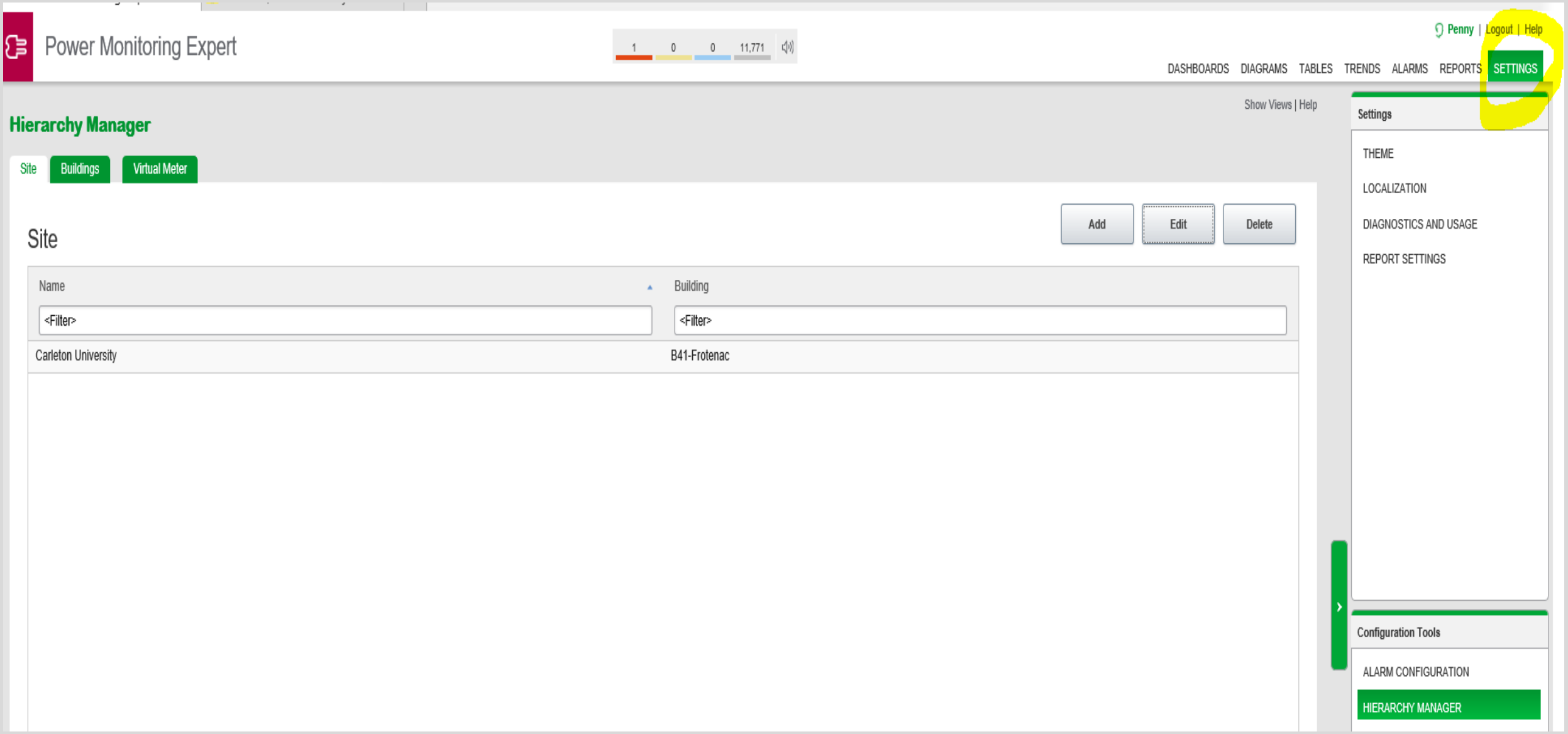
Hour Of Day	7/8/2018	7/9/2018	7/10/2018	7/11/2018	7/12/2018	7/13/2018	7/14/2018
0	182.41	186.20	190.65	191.44	181.21	47.11	45.52
1	184.53	184.13	191.18	186.93	177.62	46.45	46.85
2	186.93	182.14	188.12	182.67	182.01	44.59	46.45
3	181.21	180.68	184.40	189.19	187.19	42.59	46.18
4	192.64	181.67	186.26	189.25	182.41	46.45	45.65
5	191.84	182.14	189.32	184.40	184.27	49.37	44.72
6	194.63	180.61	185.99	186.26	184.13	47.38	45.78
7	186.66	182.67	176.02	183.67	172.44	47.51	46.98
8	188.12	184.27	190.91	185.06	180.60	46.97	43.12
9	181.74	201.26	203.67	209.39	182.61	72.76	44.72
10	194.80	202.61	219.16	210.58	206.32	77.01	44.59



Reports List



Settings


Power Monitoring Expert
1 0 0 11,771
Penny | Logout | Help
DASHBOARDS DIAGRAMS TABLES TRENDS ALARMS REPORTS SETTINGS
Show Views | Help
Hierarchy Manager
Site Buildings Virtual Meter
Site
Add Edit Delete
Name
Building
<Filter>
<Filter>
Carleton University
B41-Frotenac
Settings
THEME
LOCALIZATION
DIAGNOSTICS AND USAGE
REPORT SETTINGS
Configuration Tools
ALARM CONFIGURATION
HIERARCHY MANAGER

Hierarchy Management

Hierarchy Manager

Site | Buildings | Virtual Meter

Virtual Meter

Add | Edit | Delete

Name	Device
<Filter>	<Filter>
B01 Tory Chilled Water	B01-Tory.Chiller, B07-Unicentre.Cw (-100 %), B31-AzrieliTheatre.7700 (-100 %), B32-AzrieliPavilion.7330 (-100 %)
B01 Tory Domestic Water	B01-Tory.Stm
B01 Tory Electrical	B01-Tory.Stm, B01-Tory.Chiller, B31-AzrieliTheatre.7500 (-100 %)
B01 Tory Steam	B01-Tory.Stm, B31-AzrieliTheatre.7700 (-100 %), B32-AzrieliPavilion.7330 (-100 %)
B02 MacOdrum Domestic Water	B02-Macodrum(Main).Stm, B02-MacodrumSouth(Ext).Stm
B02 MacOdrum Electrical	B02-MacodrumNorth(Ext).Elec, B02-Macodrum(Main).Elec, B02-MacodrumSouth(Ext).Stm
B02 MacOdrum Steam	B02-Macodrum(Main).Stm, B02-MacodrumSouth(Ext).Stm
B03 Paterson Hall Chilled Water	B03-PatersonHall.Cw
B03 Paterson Hall Domestic Water	B03-PatersonHall.Stm
B03 Paterson Hall Elecrical	B03-PatersonHall.Stm
B03 Paterson Hall Steam	B03-PatersonHall.Stm
B15 Loeb Cafe Domestic Water	B15-Loeb.Stm (3.125 %)
B15 Loeb Cafe Electrical	B15 Loeb Bldg. Total Electrical (3.125 %)
B15 Loeb Cafe Steam	B15-Loeb.Stm (3.125 %)
B15 Loeb Chilled Water	B15-Loeb.1-2_Cw, B15-Loeb.3-9_Cw
B15 Loeb Domestic Water	B15-Loeb.Stm (96.875 %)

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