Carleton University Campus



Campus Utility Metering PME Vista



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▲ 😼 🙄 🍁 10:42 AM 7/13/2018

Web Application User Interface



Options from the Menu

Menu Floor Plans with Meter Locations Natural Gas Meter Locations Fibre Switch / layout Domestic Water Meters Chilled Water Meters Steam Meters Electrical Meters kW Totals Bronson Substation Meters Bronson Substation Meter Loops Real Time Voltages Real Time Currents Real Time Average Currents Meter Communication Loops Meter Communications Check

• 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



Domestic W	/ater Meter	S Caleton Map
Yellow indicates : Meter Failed		
DW FLOW (LM): -0.1	DW FLOW (LM): 1.6	DW FLOW (L/M) : 48.1
B01-Tory Stm	B13-Herzberg Stm	B29-CTTC Stm
DW FLOW L/M : 0.0	DW FLOW L/M : 62.9	DW FLOW (LM): 0.1
B02-Macodrum(Main).Stm	B14-RusselGrenville.Cw	B30-Leeds Elec
DWELOW (LAD): 10.0	DW FLOW (LMD - 0.3	DW FLOW (LIM) : 80.9
B02-Maroda mSouth(Evt) Stm	B15-Loeb Stm	B32.4mielPavilion 7330
DINELOW (LIND 0.1	DW Elow Ldd - 27.3	DWELOW(1M) 900
B02-Patamopilal Stm	B10-Neshitt Stm	B22.AttickResilion 7220
DW 201 M - 9.0	DWELOW/LAD -0.2	DOM WAT GRM : 0.0
Dovi Sin Divi . 0.0	B17 Rebesten Hall Ster	DOW VINT GPW : 0.0
DO4-SOUTHAMPIALSON	DIVE OWN AND OD	Bas-reverse.com
BOS Bastan Sta	B19. Glassarry Ste	P25 Caldhara Da
But the set of the set	Discoungary.com	Distriction of the second
DWFLOW (DM): 0.0	DWFLOW (DM): 47.0	DW FLOW (DM) : 0.3
BUO-Lanark Stm	DWELOW AAL ALE	B34-Prescott.Stm
B07 Lisionates Car	P21 Dustes Terror Ster	DW FLOW (L/M) : 0.9
CON-ONDERVE.OW	De l'Edulation diversion	B35-AlumniHall Stm
DW FLOW L/M : 32.4	DW FLOW LM : 10.8	DW FLOW (L/M) : 56.8
B08-Gymnasium.Eleo	B22-Architecture.Elec	B38-HVIVSIM.Elec
DW L/M : 68.1	DW FLOW L/M : 0.0	Dom W Gpm : 0.8
B09-Athletics.Stm	B23-StPatricks.Elec	B39-IceHouse.Elec
DW FLOW (L/M) : 233.4	DW FLOW (L/M) : 11.6	DW FLOW (L/M) : 0.4
B10-Mackenzie Stm	B24-SSRB.Elec	B41-Frontenac.Stm
Water Volume Flow Rate (L/min	1); DW FLOW (L/M) : 11.6	DW FLOW (L/M) : 0.4
B11-Maintenance(CHP).Dw	825 ARISE Elec	B42-Canal Stm
DW MAIT L/M : 0.2	DW FLOW L/M : 22.3	DW FLOW (L/M) : 17.7
B11-Maintenance.Stm	828-StormontDundas.Mthw	B43-Richcraft.Stm
Water Volume Flow Rate (L/mi	DW(L/M) : 98.0	DW Flow L/M : 0.2
B11-Maintenance(CHP).Dw	B27-MintoCASE.Cw	B44-LennoxAddington.Stm
DW FLOW (LM) : 283.2	DC DW (L/M) : 0.0	DW Flow L/M : 0.2
and a second second		Diality of C

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

Caleton Map

Real Time Voltages

LOOP A1	LOOP B1	LOOP C1	LOOP D1	LOOP E1	Note: values shaded yellow represent sub-meters
VII ab : 576.4 VII bc : 575.9 VII ca : 575.1 B13-Hen perg Stm VII ab : 573.3 VII bc : 575.5 VII ca : 573.6	VII ca : 599.8 VII ca : 599.8 VII ca : 599.8 B394ceHouse Elec VII ab : 601.2 VII bc : 601.6 VII ca : 600.5	VIIab:604.9 VIIbc:605.0 VIIca:606.6 B44-Lennowiddington.Stm	VII ab : 588.2 VII bc : 588.0 VII ca : 588.3 B36-Alum <mark>hiHall.Stm</mark>	VII ab : 600.4 VII bc : 600.3 VII ca : 600.2 B33-NV <mark>B</mark> C.Stm	B44 Lennox Addington has 38 ION 6200 electric meters for lighting and recepticles
VII ab : 603.4 VII bc : 604.9 VII ca : 603.3 B38-HVIV B38-HVIV SIM.Elec	B08-Gymn ⁻ ssium.Elec VII ab : 596.7 VII bc : 597.6 VII ca : 596.3 B08-Gymna <mark>-ium.Elec_1</mark>	VIIab:0.0 VIIbc:0.0 VIIca:0.0 B44-Lennox ddington.Cw VIIab:598.4 VIIbc:596.7 VIIca:596.2 B18/Glasharm Stro	VII ab : 585.7 VII bc : 585.8 VII ca : 586.2 B35-Fieldhouse.Elec VII ab : 583.7 VII bc : 583.7 VII ca : 584.8	VII ab : 590.3 VII bc : 591.1 VII ca : 591.2 B29-C1 C.Stm VII ab : 209.0 VII bc : 208.5 VII ca : 208.7	Bronson Sub Station Meters
VII ab : 599.7 VII bc : 601.7 VII ca : 599.8 B38-HVIVS <mark>M</mark> (Lab).Elec BREAK	VIIca: 205.3 VIIca: 205.3 VIIca: 205.3 B08-Gymna <mark>,</mark> ium.Elec_2 VIIab: 207.0 VIIbc: 205.9 VIIca: 205.8 B22-Archill Sture Elec	VII ab : 598.1 VII bc : 595.4 VII ca : 595.1 B19-Compons.Elec	828-Day Lare, Elec VII ab : 582.1 VII bc : 583.3 VII ca : 583.1 809-Athlatics, Stm	B16-Net pitt Elec VII ab : 586.3 VII bc : 587.7 VII ca : 586.2 B17-Robert on Hall Stm VII ab : 589 8 VII bc : 599 9 VII ca : 598 8	BronsonSub.LoopA1 VII ab : 13,092.0 VII bc : 13,022.0 VII ca : 13,016.0
VII bc : 580.0 VII bc : 580.0 VII ca : 581.2 B15-Loeb Elec	VII ab : 573.3 VII bc : 576.5 VII ca : 573.6 B21-Dunto VII ab : 573.3 VII bc : 576.5 VII ca : 573.6	VII ab : 202.5 VII ab : 202.5 B26-Stormo tDundas.Cw VII ab : 573.4 VII bc : 572.5 VII ca : 574.3 B23-StPa ricks.Elec	VII ab : 594.8 VII bc : 596.9 VII ca : 593.0 B11-Maintendhce(CHP).Stm VII ab : 591.9 VII bc : 592.8 VII ca : 589.9 B11-Maintingance Stm	B17-Rober SonHall.Cw VII ab : 588.9 VII bc : 590.1 VII ca : 590.1 B20-ParkingGa age.P9_Elec-1	BronsonSubLoopA2 VII ab : 13,056.8 VII ab : 13,056.7 VII ab : 13,056.7 VII ab : 13,056.7 BronsonSubLoopB1
VII ab : 573.5 VII bc : 573.4 VII ca : 580.1 B15-Loeb.Stm VII ab : 593.3 VII bc : 591.8 VII ca : 590.3 B15-Loeb.Chiller-1	B21-Dunto Tower.Stm VII ab : 575.7 VII ab : 575.7 VII ab : 575.7 B32-AzrieliF evilion.7500	BREAK	VII ab : 594.8 VII bc : 594.3 VII ca : 598.2 B11-Maintenance.OtrainElec VII ab : 444 7 VII bc : 445 9 VII ca : 445 9	VII ab : 200.6 VII bc : 200.2 VII ca : 200.4 B20-ParkingGalage.P9_Elec-2	Wild: 13,0100 BronsonSub.LoopB2 Ull ab: 13,055.0 VII bb: 13,025.0 BronsonSub.LoopC1 Image: Construction of the construction of th
VII ab : 596.2 VII bc : 602.2 VII ca : 608.1 B15-Loe - Chiller-2 VII ab : 577.1 VII bc : 576.1 VII ca : 574.7	VII ab : 597.1 VII bc : 599.4 VII ca : 598.5 B02-Macodrun South (Ext).5 tm VII ab : 599.6 VII bc : 603.1 VII ca : 603.1	VII ab : 608.1 VII bc : 607.1 VII ca : 608.7 B46-Parkini Garage P18	B10-Maclenzie.Elec VII ab : 447.4 VII bc : 461.1 VII ca : 456.9 B10-Maclenzie.Stm		VII ab : 13,088.0 VII bc : 13,015.0 VII ca : 13,018.0 BronsonSub.LoopC2 VII ca : 13,024.7 VII bc : 13,051.7 VII ca : 13,024.7 Promotive LoopD1
824-SS 18. Elec VII ab : 595.0 VII bc : 597.0 VII ca : 595.7 B12-Ste <mark>r</mark> cie.Elec	VII ab : 209.6 VII bc : 207.9 VII ca : 208.5 B04-South mHall Elec	VII ab : 587.7 VII bc : 589.3 VII ca : 588.4 B30-Le <mark>n</mark> ds.Elec VII ab : 208.0 VII bc : 208.5 VII ca : 208.0	VII ab : 559.4 VII bc : 561.9 VII ca : 561.6 B27-Minte CASE.Stm VII ab : 603.4 VII bc : 603.9 VII ca : 603.6		VII ab : 13,056.0 VII bc : 13,015.0 VII ca : 13,018.0 BronsonSub.LoopD2 VII ab : 13,050.2 VII ca : 13,020.2 VII ab : 13,050.2
VII ab : 574.6 VII bc : 575.9 VII ca : 573.7 B12:Ste <mark>i</mark> cie.Stm VII ab : 588.6 VII bc : 589.6 VII ca : 588.3 B43:Bichizrati Stm	VII ab : 468.0 VII bc : 466.2 VII ca : 467.7 B03-PatersonHall.Stm BREAK	B14-Rusself renville.Stm VII ab : 605.3 VII bc : 607.4 VII ca : 605.3 B41-Frontenac.Stm	B42-Cahal.Stm VII ab : 625.0 VII bc : 627.1 VII ca : 626.9 B42-Canal(C <mark>a</mark> nal).Chiller-1		BronsonSub.LoopE1 VII ab : 13,058.0 VII bc : 13,025.0 VII ca : 12,924.0 BronsonSub.LoopE2 VII ab : 13,042.8 VII bc : 13,052.6 VII ca : 13,025.6
VII ab : 587.7 VII bc : 587.8 VII ca : 586.7 B12-SteacieC /(Total).MCC1 VII ab : 587.2 VII bc : 588.2 VII ca : 586.8	VII ab : 478.1 VII be : 477.9 VII ca : 477.4 801-To <mark>y, Chiller</mark> VII ab : 482.7 VII be : 482.7 VII ca : 482.7	VIIab: 207.7 VIIbc: 208.6 VIIca: 208.3 B06-Latark.Stm VIIab: 209.7 VIIbc: 209.2 VIIca: 209.7	VII ab : 626.1 VII bc : 626.9 VII ca : 625.6 B42-Canal(Mackenzie).Chiller-2		BronsonSub.Feeder-1
B12-SteacieCW Herzberg),MCC2 VII ab : 587.2 VII bc : 587.9 VII ca : 586.7 B12-Steacie(Richcraft),Chiller-1	B31-Azrieli <mark>T</mark> heatre, 7500 VII ab : 483.4 VII bc : 481.8 VII ca : 481.1 B01-T <mark>r</mark> y,Stm	VII ab : 609.7 VII bc : 608.2 VII ca : 608.0 B34-Pre cott.Stm	BREAK	BREAK	VII ab : 13,022.1 VII bc : 13,021.5 VII ca : 12,989.5 BronsonSub Feeder-1
VII ab : 588.7 VII bc : 587.9 VII ca : 586.8 B12-SteacieCW Steacie) Chiller-2 VII ab : 588.6 VII bc : 589.6 VII ca : 588.3 B43 Hand Steace	VII ab : 582.2 VII bc : 581.7 VII ca : 581.4 B07-Unitentre.Cw VII ab : 201.9 VII bc : 201.9 VII ca : 201.9 B07 Unitentre.Chm				BronsonSub.Feeder-2 VII ab : 12,983.4 VII bc : 12,978.0 VII ca : 12,984.7 BronsonSub.Feeder-2
LOOP A2	LOOP B2	LOOP C2	LOOP D2	LOOP E2	BronsonSub.Feeder-3 VII ab : 13,034.4 VII bc : 13,035.3 VII ca : 13,008.7

Meter Communications Check

Meter Communications Check

Loop20 Com1

Loop21 Com2

B23-StPatricks.Cw Status

B23-StPatricks.Elec Status

Switch 08

B18 Glengarry.Elec

192.168.100.134

B19-Commons.Elect Status

B19-CommonsExpansion.Stm Status

B18-Glengarry.Stm Status

B19-Commons.Cw Status

B19-Commons.Stm Status

B14 RussellGrenville.Stm

192.168.100.160

B14-RusselGrenville.Stm Status

B14-RusselGrenville.Mthw Status

B14-RusselGrenville.Cw Status

Loop19 Com1

Loop22 Com2

Loop22 Com2

Switch 07

192.168.100.136

Switch 01 B01-Tory.Chiller 192.168.100.140

Tory Chiller Status

Loop10 Com1 B01-Tory.Stm Status

B07-Unicentre.Cw Status

B07-Unicentre.Stm Status

B32 AZPA_7500 Status

B32 AZPA_7700 Status

Loop 5 Com2

B31 AZTH 7500 Status

B31 AZTH 7700 Status B12-Steacie.Elec Status

B12-Steacie.Stm Status

B13-Herzberg.Stm Status Switch 02

B21-Dunton Tower, Elec 192.168.100.110 B21-DuntonTower.Elec Status

Loop23 Com1 B21-DuntonTower.Stm Status

B02-Macodrum(Main).Elec 192.168.100.137 B02-Macodrum(Main).Elec

Loop24 Com1

B02-Macodrum(Main).Stm Status

B02-MacodrumNorth(Ext).Elec Status

B02-MacodrumSouth(Ext).Stm Status

B41-Frontenac Stm 192.168.100.132 B41-Frontenac.Stm Status

Switch 03

B34 Prescott 192.168.100.130 B34-Prescott.Stm Status

Loop3 Com1 B05-Renfrew.Stm Status

Loop9 Com2 B27-MintoCASE.Cw Status

B27-MintoCASE.Stm Status

B06 Lanark 192.168.100.170 B06-Lanark.Stm Status

Loop4 Com1

B10-Mackenzie.Elec Status B10-Mackenzie.Mthw Status

B10-Mackenzie.Stm Status B22-Architecture.Cw Status

B22-Architecture.Elec Status

Switch 04 Loop2 Com1 B11-Maintenance(CHP).Stm Status

B11-Maintenance.OTrain Status

Loop8 Com2

B28-DayCare.Elec Status

Switch 05 BronsonSub Feeder-1

192.168.100.124 BronsonSub.Feeder-1 Status

Loop13 Com1

BronsonSub.LoopA1 Status B26-StormontDundas.Mthw Status

BronsonSub.LoopB1 Status

BronsonSub.LoopC1 Status

BronsonSub.Feeder-2 192.168.100.126 BronsonSub.Feeder-2 Status

Loop14 Com1

BronsonSub.LoopD1 Status BronsonSub.LoopB2 Status

BronsonSub.LoopE1 Status

BronsonSub.LoopE2 Status

BronsonSub.LoopD2 Status

Switch 06

B30 Leeds 192.168.100.138

B46-ParkingGarage.P18_Elec Status

B30-Leeds.Elec Status

Loop6 Com1

BronsonSub.Feeder-3 192.168.100.128

> BronsonSub.Feeder-3 Status Loop17 Com1

BronsonSub.LoopA2 Status BronsonSub.LoopC2 Status

B11-Maintenance.Stm Status

B09-Athletic.Stm Status

B35-FieldHouse,Elec Status

Switch 09 B26-StormontDundas.Cw B38-HCIVSIM(Lab).Elec 192.168.100.191 B26-StormontDundas.Cw Status B38-HCIVSIM(Lab) Status

> B38-HCIVSIM 192.168.100.190 B38-HCIVSIM.Elec Status

Loop15 Com1

B03-PattersonHall.Stm Status B04-SouthamHall.Elec Status

B04-SouthamHall.Stm Status Loop16 Com2

B15-Loeb.Stm Status

B15-Loeb.Elec Status

B15-Loeb.Chiller-1 Status

B15-Loeb.Chiller-2 Status

B15-Loeb.ChillerPlant AI Status B24-SSRB.Elec Status

Switch 10

B44-LennoxAddinaton.Stm 192.168.100.144 B44-LennoxAddington.Stm Status

Loop29 Com1 ION 6200's ID#2-19 B44-LennoxAddington.Cw Status

Loop30 Com2 ION 6200's ID#3-22

Switch 11 B43-Richcraft 192.168.100.143

> Switch 12 B42-Canal.Stm

B42-Canal.Stm Status

B42-Canal(Canal).Chiller-1 Status

B42-Canal.(Mackenzie)Chiller-2 Status

B12-SteacieCW.MCC1 192.168.100.141

B12-Steacie(Richcraft).Chiller-1 Status)

B43-Richeraft.Stm Status

192.168.100.142

Loop26 Com1

Switch 13

B12-SteacieCW(Total).MCC1 Status

Loop28 Com1

B12-SteacieCW(Herzberg).MCC2 Status

B12-SteacieCW(Steacie).Chiller-2 Status

Loop12 Com1 B08-Gymnasium.Elec Status

B08-Gymnasium.Elec 1 Status

B08-Gymnasium.Elec_2 Status

Switch 14 B33 NWRC 192.168.100.150 A

Caleton Map

B33-NWRC.Stm Status

Loop1 Com1

Loop7 Com2

B16-Nesbitt.Elec Status

B16-Nesbitt.Stm Status

B29-CTTC.Stm Status

B16-Nesbitt.Cw Status

B17-RobertsonHall.Cw Status

Switch 15

B39 IceHouse

192.168.100.180

B39-IceHouse.Elec Status

B20-ParkingGarage.P9_Elec-1 Status

B20-ParkingGarage.P9_Elec-2 Status

B17-RobertsonHall.Stm Status

When Selecting A Building

B07-Unicentre.Stm

Real-time Data

DW FLOW (L/M): 48.7

B07-Unicentre.Cw

A

B07-Steam

CW FLOW (L/M): 619.4

B07-Unicentre.Cw

- 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
 - logs B07-Electrical B07-Chilled Water B07-Domestic Water B07-Unicentre Gas
- 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

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FIG I D

B44 Lennox Addington House

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:

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

B22-Architectur Volts/Amps	e.Elec Power Quality	Energy & Dmd Inputs/Outp	uts Setpoints	Setup/Diagnostic	Back to Network	B18-Glengarry.Stm Volts/Amps S	System & Logs	Power Quality	Revenue	I/O	Setpoints	васк to Network Diagram
V 1 206 V ca 1 1	olts II 207 V bc 208 V ab ↓ 208 V ab ↓ 0.3 VII average 207 V	Current Power 219 A c 23 kW c 232 A b 25 kW b 232 A a 25 kW a 244 A a 25 kW a kW total 74 kW kVAR total 38 kVAR I average 83 kVA	120 V an	↑ 	Frequency 60.04 Hz Power Factor -89.0 % VIn average 119 V cn 119 V	Voltage Distu Number of events Sag/swell count Present state Power Availabl Availability [%] No. of 'Nines'	urbances s since last reset o 686 Voltage Normal bility 99.5842819 2	n 6/6/2014 03: EvalTime [days] Meter down [sec] Disturbance [sec]	13:07.825 PM 1,503 275,877 539,912	Harmon Total Ha V1(ab) V2(ca) V3(bc) Logged Waveform: Sag/swell Harmonics	ics Measurements armonic Distortion 2.8 % 11 9.1 % 2.8 % 12 8.9 % 2.7 % 13 7.3 % Power-Quality Events s/sequence of events statistics CBEMA trending	Harmonics Details (IF SUPPORTED) ENS0160 (IF SUPPORTED)
	Logs	Long-term min/max				Advanced PQ	2 Parameters	a (ir Supporte	ea)			Setup
		Device Tim Device Typ	e 7/16/2018 09:59:53. e 7330	200 AM					Time: 7/1	6/2018 10:05:19.9	83 AM	

PME Web Application User Interface

Dashboards

Building your Dashboards

			Gadget Setup
Dashboard Library	Loeb kWh This Week over Last Week	Dashboard	Constal Softings Data Sories Viewing Period Avec Target Lines
Add Dashboard	7/8/2018 - 7/20/2018 11,000	Edit Duplicate Copy to	Add Edit Remove Image: Lines
 Dashboard Folders EnergyManager 	10,000 - 9,000 - 8,000 -	Export to CSV Pe Delete Ca	B15 Loeb Electrical Real Energy (kWh)
Penny Exploritory Local Weather	7,000 - 6,000 - 5,000 - 6,000	III Ea	Gadget Setup
Carleton background, various types Earthday 2018	4,000 - 3,000 - 2,000		Time Range
	1,000 - 1,000	Sat	This Week over Last Week
Dashboard Controls	😑 Last Week 🔴 This Week		
Edit Dashboard			 By Hour By Day of Week
News	Gadget Setup		Gadget Setup
Carleton background, various types ×	General Settings Data Series Viewing Period Axes	Target Lines	General Settings Data Series Viewing Period Axes Target Lines
Add Gadget	Title		Add Target Line
Styling			
Private Dashboard	Opacity ✓ Use Dashboard Opacity		Type Label Plot On Per Day Target 11,000 Image: Constraint of the second
Cancel Finish	100 % 🗸		

Tables and Alarms

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

Alarms

				DASHBOARDS DIAC	GRAMS TABLES TRENDS ALARMS REPORTS SETTINGS
Alarms Events View: Recent Alarms (24 hours) Alarms Displayed: 0		Unacknowledged Alarms: 0	Acknowledge		 Édit Settings Configure Alarms 10 Seconds Select Columns
Drag a column here to group by that column					
Active Start Time	Device	Priority Type	Condition Measurement	Value	Acknowledgement
	Alarms	 ✓ Show the Alarm Annunciator (requires an application restaudible Alarm notifications: On Low, Medium or High Priority Alarms On Medium or High Priority Alarms On High Priority Alarms On High Priority Alarms Disabled 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 0 to 63 will not be identified 	tart). Views include Alarms generated within: 3 Months All time 1 Month 2 Months 3 Months 6 Months 12 Months 4 as 'Low Priority' Alarms. ed as Alarms.	OK Cancel	

Configuration of Alarms

Alarm Rules Source View									
Add Alarm Rule									
Alarm Rule Name	Alarm Template		Measurements	Sources	Active When	Alarm Typ	e	Enabled	
Communications Loss Alarms	Communication (Loss)		1	135	> 600s	Communica	ation Status		ũ 🌣 ũ
1 - 1 of 1 Rules		Add Alarm Rule - Alar	m Template			x			Lines/page : 10 🗸
		Select Alarm Template)						
		Standard		User Defined					
		Over Voltage (Lir	ne to Line)	O Analog Measure	nents				
		O Under Voltage (L	ine to Line)	O Digital Measuren	nents				
		O Over Voltage (Lir	ne to Neutral)						
		O Under Voltage (L	ine to Neutral)	Device Status					
		O Over Current		O Breaker Status (Fripped)				
				O Communication (Loss)				
					Cancel Previous	Next			

Tables

	······································	DASHBOARDS DIAGRAMS TABLES TRENDS ALARMS REPORTS SETTINGS
Table: Energy Summary		Table Library
Export Last Update: 8/27/2018 11:18:38 AM Update in: 00:04 Pause U	udate Interval: 5 Seconds 🔻	
Devices Real Energy Real Energy Real Energy	Reactive D/T Last Reset	▲ System ▲
B01-Tory.Stm 7,606,456,0 7,606,456,0 7,606,456,0	6.220.058.0 6.220.058.0	O Basic Readings Summary
		O Demand Current Summary
		O Demand Voltage Summary
		O Energy Summary
		O Incremental Reactive Energy Su
Table Charas	Table Library ^	O Load Current Summary
		O MicroLogic Circuit Loading Capad
	上口の前	O Overall Power Quality Index Sun
+ 4 0 0	T G 躲 Ш	O Power Factor Summary
	MicroLogic Circuit Loading Capacia	Devices
🔺 🚞 System 👘 🔺		Clear Selection
	Overall Power Quality Index Sun	▲B01-Tory
O Basic Readings Summary		Gas
O Circuit Breaker Status Summary	O Power Factor Summary	I Stm
	O Dowor Flow Summary	▶ B02-Macodrum(Main)
O Demand Current Summary	O Power How Summary	▶ B02-MacodrumNorth(Ext)
	O System Voltage Summary	BO2-MacodrumSouth(Ext) BO3-PatersonHall
O Demand Voltage Summary	Colocation voicage Sammary	► B04-SouthamHall
O Energy Summany	O THD Current Summary	▶ B05-Renfrew
O Energy Summary		B06-Lanark B07-Unicentre
O Incremental Reactive Energy Su	O THD Voltage Summary	▶ B08-Gymnasium
	O Union Communi	▶ B09-Athletics 🗸
O Incremental Real Energy Summa	O Optime Summary	Measurements
O Load Current Summary	O Vigilohm System Measurements	Clear Selection
• • • • • • • • • • • • • • • • • • •		Favorite Measurements
O MicroLogic Circuit Loading Capa	Shared	▶ Alarm
O Oursell Device Oursities Index Ours		Breaker Status Cost
U Overall Power Quality Index Sun	Private	▶ Current
O Power Factor Summary	Cothes Uses Tables	▶ Custom
4	V Uotner Oser Tables	Demand Demand
		P EDErdy

Trends

Building Your Trend

Trend Setup	< Trend Setup
General Axes Chart Data	General Axes Chart Data
Title	
Test	Text
Data Series	Size Medium 🗸
Add Edit Remove	
B34-Prescott.Stm Steam Pressure (kPa)	Legend
	Basitian Bight
	Position
	Content 🗹 Name
	☑ Value
Privacy	Difference
Private Trend	
Cancel Save	Difference (%)
Trend Setup	Trend Setup
General Axes Chart Data	
Right Axis (Primary) Series on Right Axis: 1	General Axes Chart Data
Max Value Auto O Fixed	Data Update Intervals
Upper Threshold	
Target Line	From device 5 seconds Vumber of series configured for device polling: 1
Lower Threshold	From database 5 minutes V Number of series configured for database policy: 0
Min Value Auto O Fixed	FIGHT database
Left Axis (Secondary) Series on Left Axis: 0 (Axis hidden)	Data Dointe
Title	
Max Value Auto Fixed	Max per series 40,000
Cancel Save	

Save

Reports

203.67

218.16

201.25

202.61

209.39

210.58

182-81

208.32

72.76

77:01

44.72

44.59

101.74

194.86

-

10:

Reports List

🖃 🖿 Power Quality
EN50160:2000 Mains Signaling
EN50160:2000 Report
EN50160:2010 Mains Signaling
EN50160:2010 Report
Harmonic Compliance Report
IEC61000-4-30 Report
Power Quality Report
🗏 🛅 Usage Trending
B27 MintoCASE Usage Report
Hourly Usage Report
Multi Device Usage Report
Multiple Trend Report
Single Device Usage Report
Trend Report

Settings

Power Monitoring Expert	1 0 0 11,771 ばい		O Penny Logout He
r onor monitoring Export		DASHBOARDS DIAGRAMS TABLES	TRENDS ALARMS REPORTS SETTINGS
erarchy Manager		Show Views Help	Settings
Site Buildings Virtual Mater			THEME
			LOCALIZATION
Sito		Add Edit Delete	DIAGNOSTICS AND USAGE
			REPORT SETTINGS
Name	Building		
<filter></filter>	<filter></filter>		
Carleton University	B41-Frotenac		
			>
			Configuration Tools
			ALARM CONFIGURATION
			HIERARCHY MANAGER

Hierarchy Management

Site Buildings Virtual Meter	
Virtual Meter	Delete
Name Device	
<filter> <filter></filter></filter>	
B01 Tory Chilled Water B07-Unicentre.Cw (-100 %), B31-AzrieliTheatre.7700 (-100 %), B32-AzrieliPavilion.733	0 (-100 %)
B01 Tory Domestic Water B01-Tory.Stm	
B01 Tory Electrical B01-Tory.Chiller, B31-AzrieliTheatre.7500 (-100 %)	
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-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 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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