

Session name:

PIATT COUNTY OFFICE

Session UUID:

de2bb9ac-1381-4f65-8b31-76815f98e862

Description:

TRANSFER SW 1 400 AMP

Notes:

Study Type:

Energy study

Measurement Mode:

Topology:

3-ph Wye

Nominal Voltage:

120V

Nominal Frequency:

60Hz

Buffer Type:

linear (do not overwrite)

Start and End Dates:

Configured start: 10/18/2024 11:49:33 AM

Configured end: 11/17/2024 10:49:33 AM

Actual start: 10/18/2024 11:49:33 AM

Actual end: 10/25/2024 1:53:59 PM

Duration:

Configured duration: 30d 0h 0m 0s

Actual duration: 7d 2h 4m 26s

Number of averaging intervals:

Number of trend intervals as configured: 259199

Number of trend intervals as present: 61227

Trend interval length: 10sec

Number of demand intervals as configured: - - -

Number of demand intervals as present: 0

Demand interval: - - -

Number of PQ intervals as configured: 4319

Number of PQ intervals as present: 1020

PQ interval length: 10min

Event limits:

Dip: 90%

Swell: 110%

Interruption: 5%

Hysteresis: 2%

Inrush current: - - -

Rapid Voltage Changes: - - -



Waveform Deviation: - - -
 Mains signalling voltage limit: - - -
 Sliding Reference: Off

Event:

Events recorded: 0



Waveform recordings: 0

RMS recordings: 0

MSV recordings: 0

Instrument information:

Instrument Type: FLUKE 1738
 Installed Licenses: WiFi-Infrastructure
 Instrument versions: Firmware Version: 2.2
 DSP Version: 2.7
 Instrument Serial Number: 47323812
 Instrument UUID: 2b2c59fe-109d-4477-b52e-269b50685f2d
 Instrument time zone: America/Chicago
 Instrument name: FLUKE1738<47323812>

Attached Current Sensors:

Channel	Ratio	Model	Range	Serial No
1 - A	1:1	iFlex3000-24	3000A	487612067
2 - B	1:1	iFlex3000-24	3000A	491972021
3 - C	1:1	iFlex3000-24	3000A	487612069
4 - N	1:1	iFlex3000-24	3000A	487612068

Voltage mapping:

Channel	Ratio
1 - A	1:1
2 - B	1:1
3 - C	1:1

Aux Settings:

Channel	Gain	Offset	Unit
Aux1	1	0	V
Aux2	1	0	V



V, A, Hz, THD overview table

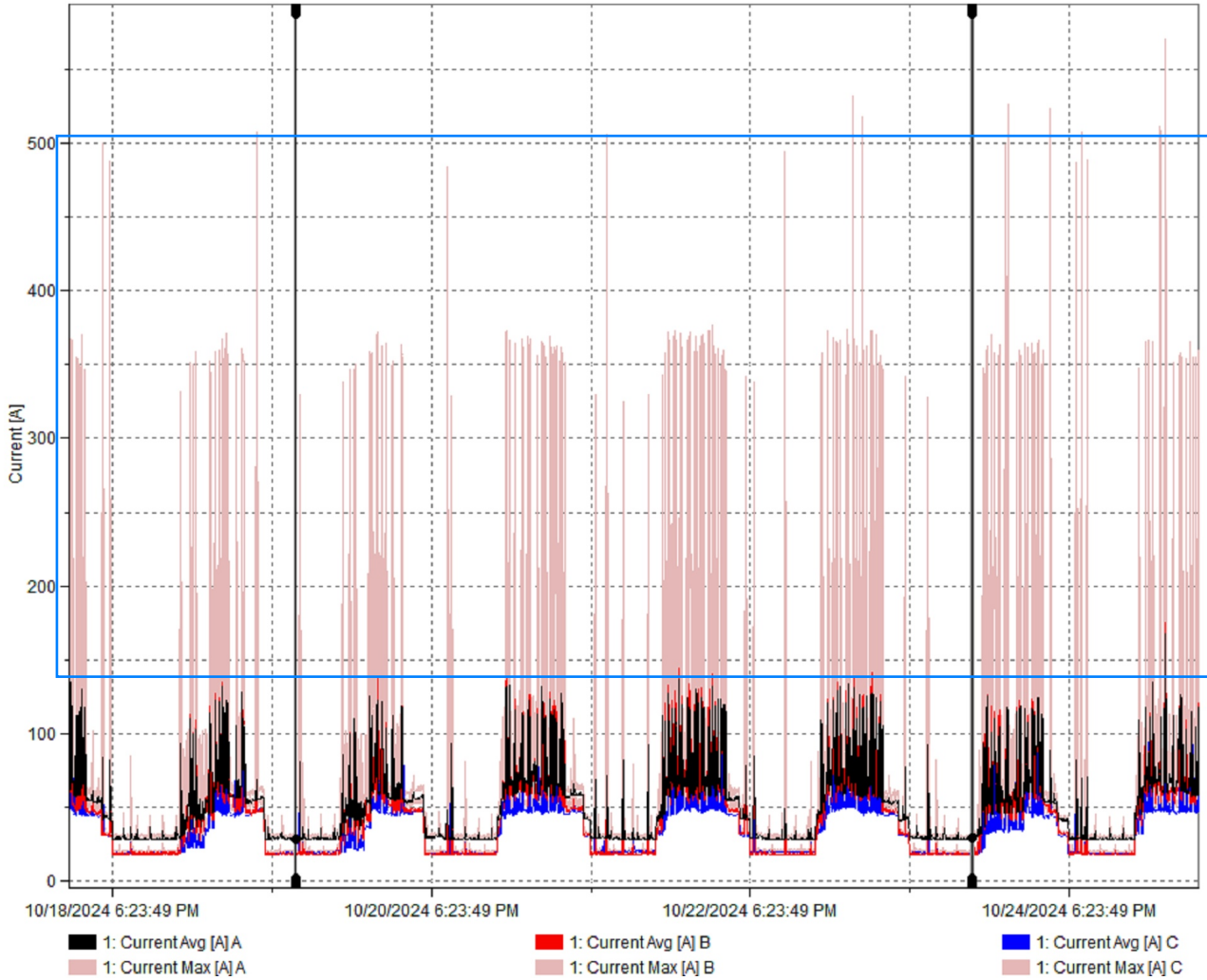
PIATT COUNTY OFFICE				
Logging Information				
Study type:	Energy study		Topology:	3-ph Wye
Start date:	10/18/2024 11:49:33 AM		End date:	10/25/2024 1:53:59 PM
Duration:	7d 2h 4m 26s			
Averaging interval:	10sec		Number of averaging intervals:	61227
Voltage [V]	AN	BN	CN	N
Max	126.6 V 10/21/2024 9:25:10 AM	128.1 V 10/21/2024 1:38:40 PM	126.6 V 10/21/2024 1:39:20 PM	
linear Avg	123.9 V	125.1 V	124.6 V	
Min	117.9 V 10/25/2024 8:04:40 AM	119.1 V 10/25/2024 8:04:40 AM	119.1 V 10/21/2024 8:23:10 AM	
Current [A]	A	B	C	N
Max	572.0 A 10/25/2024 8:47:20 AM	556.7 A 10/25/2024 8:47:20 AM	568.7 A 10/25/2024 8:47:20 AM	75.1 A 10/19/2024 5:32:10 AM
linear Avg	45.6 A	38.8 A	33.0 A	14.9 A
Min	26.7 A 10/21/2024 8:49:30 PM	16.8 A 10/23/2024 9:08:30 PM	15.8 A 10/21/2024 8:49:30 PM	5.6 A 10/23/2024 11:15:40 AM
Frequency [Hz]	AN			
Max	60.05 Hz 10/18/2024 5:08:00 PM			
linear Avg	60.00 Hz			
Min	59.93 Hz 10/21/2024 8:07:30 PM			
V THD [%]	AN	BN	CN	N
Max	4.4 % 10/23/2024 2:20:10 PM	4.7 % 10/23/2024 2:20:10 PM	3.2 % 10/21/2024 1:33:20 PM	
linear Avg	2.0 %	2.1 %	2.2 %	
Min	1.5 % 10/19/2024 10:46:30 AM	1.5 % 10/23/2024 3:14:10 PM	1.6 % 10/25/2024 9:30:30 AM	
A THD [%]	A	B	C	N
Max	45.3 % 10/21/2024 11:24:30 AM	60.4 % 10/18/2024 1:10:50 PM	57.3 % 10/18/2024 1:10:50 PM	
linear Avg	23.5 %	31.0 %	33.9 %	
Min	2.5 % 10/19/2024 6:55:00 AM	2.6 % 10/21/2024 7:05:50 PM	2.6 % 10/20/2024 6:04:00 AM	

Averaging interval:

	Configured Interval length
PIATT COUNTY OFFICE	10sec



V, A, Hz, THD graph



1 10/18/2024 6:23:49 PM 10/20/2024 6:23:49 PM 10/22/2024 6:23:49 PM 10/24/2024 6:23:49 PM

1: Current Avg [A] A
 1: Current Avg [A] B
 1: Current Avg [A] C

1: Current Max [A] A
 1: Current Max [A] B
 1: Current Max [A] C

Cursor 1:
 1: Current Avg [A] A
 29.3 A
 10/19/2024 9:50:00.079 PM

Cursor 2:
 1: Current Avg [A] A
 28.3 A
 10/24/2024 3:51:00.105 AM

Delta:
 0.98 A
 4d 6h 1m 0.026s

Graph Options:

Logging Sessions	ID
PIATT COUNTY OFFICE	1

Left Scale Options	L1 (A)	L2 (B)	L3 (C)	N	Total	Min/Max
Curr [A]	X	X	X			- X