MPTS Technology installed at Fresno Unified School District - Hoover High School

Pilot project for proving the performance and benefits

Hoover HS building has a solar panel size 1,360 kW, and a Battery Storage system is 201 kW. System was operational on March 30, 2020.

In December 2022, Fresno Unified School District – Hoover HS location was chosen for a pilot project for confirming the performance features of the MPTS Technology devices.

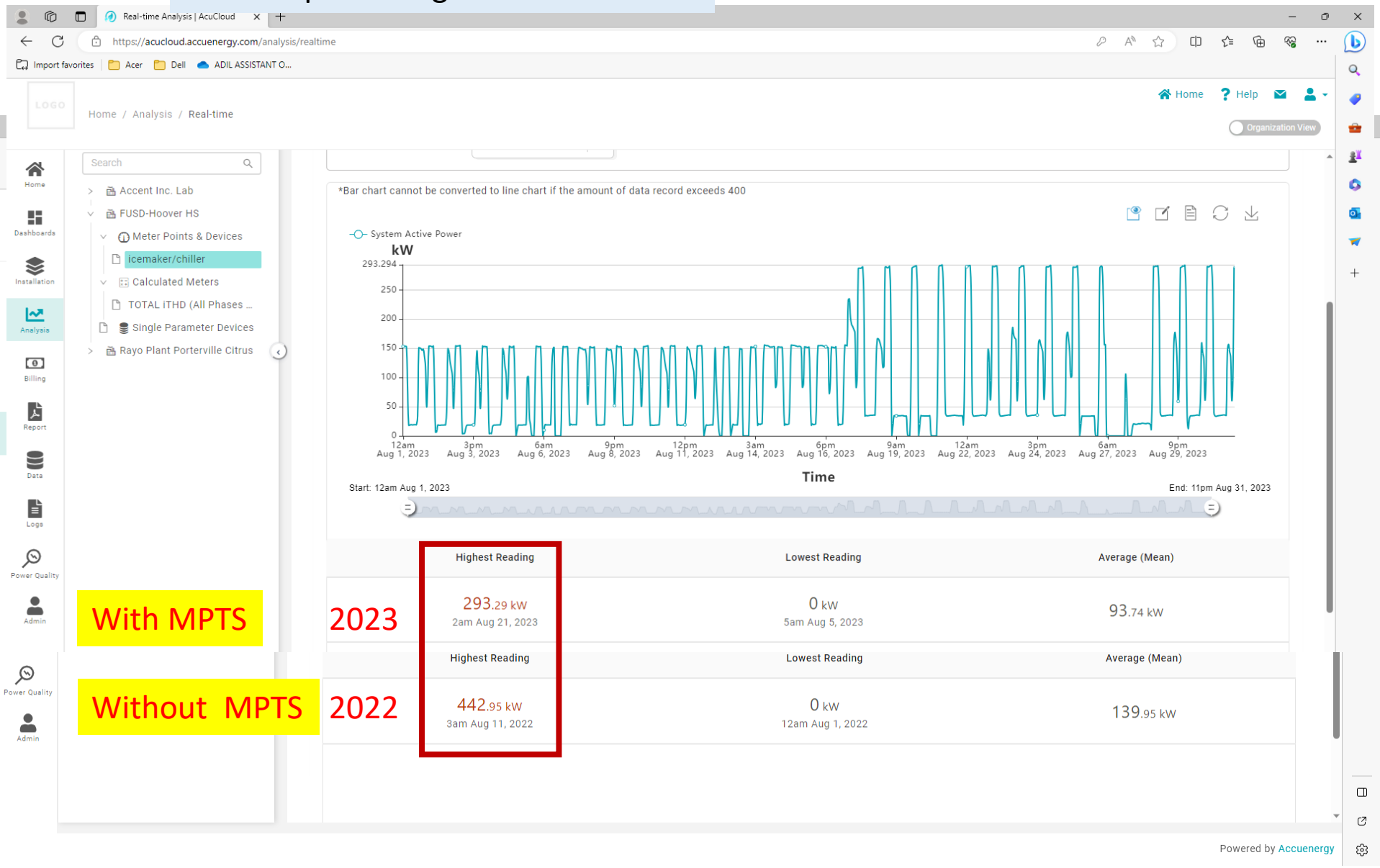
MPTS is installed on a 1200 Amp/480VAC/3 phase panel that is connected to the Ice maker / HVAC equipment.

The data attached is showing the comparison of MPTS performance data for this 1200 Amp Panel before and after MPTS was installed.

Measurement & Verification data is gathered from two independent metering systems.

The data compared is 2022 (without MPTS) vs. 2023 (with MPTS).

KW Compared August 2022 Vs. 2023

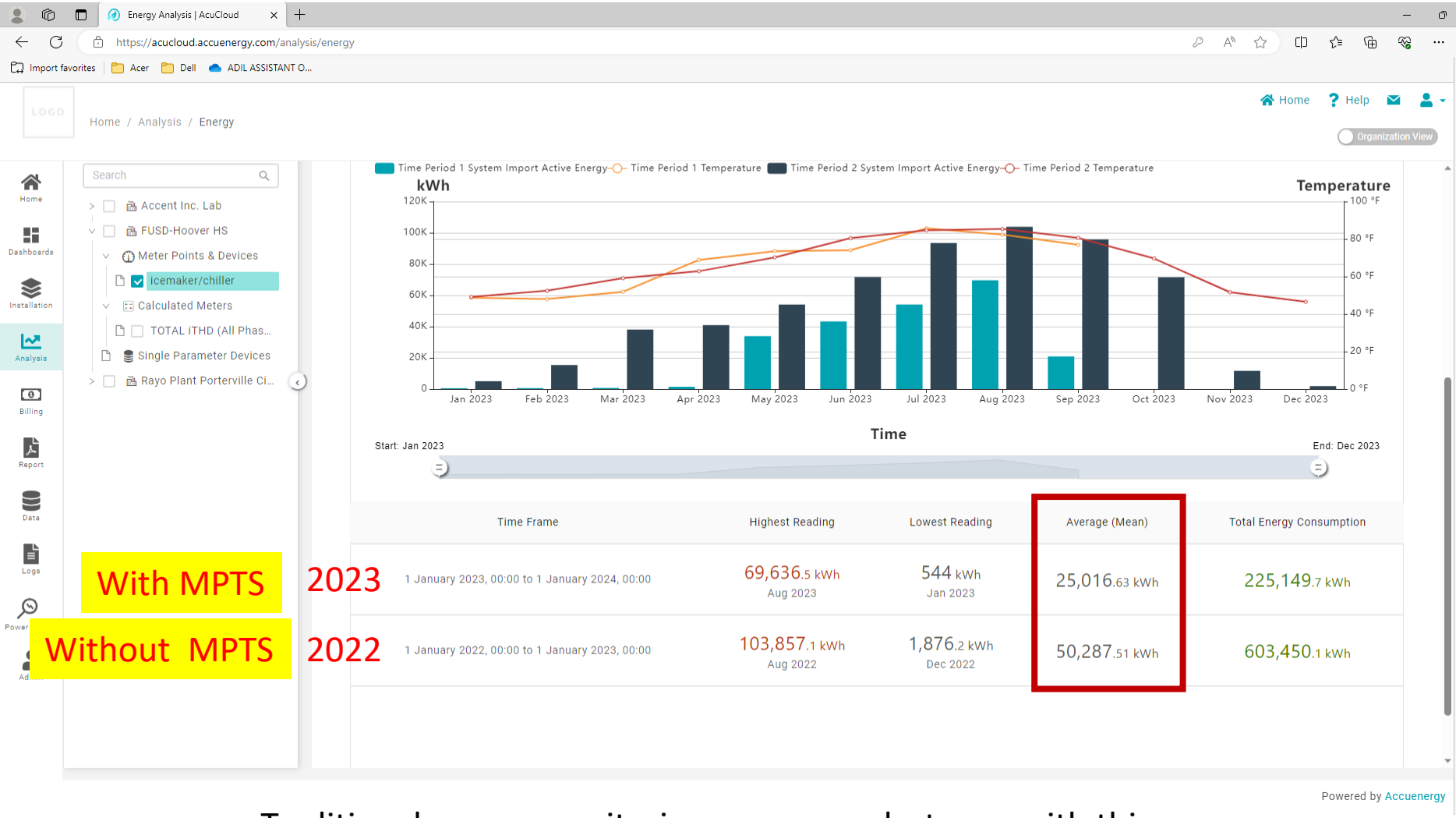


With MPTS

Without MPTS

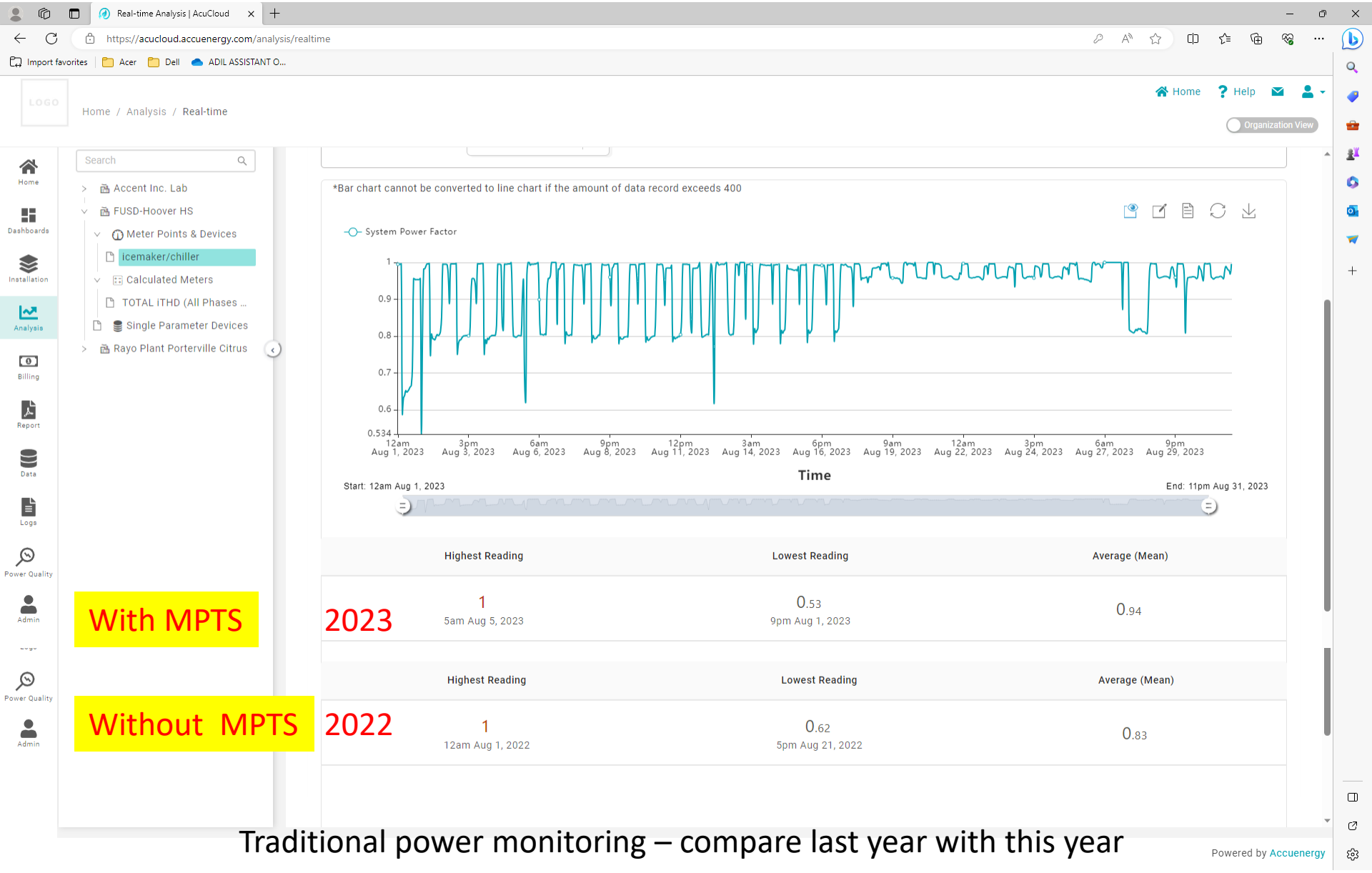
Traditional power monitoring – compare last year with this year

Energy – KWH is compared 2022 in black with 2023 in blue



Traditional power monitoring – compare last year with this year

Power Factor – PF compared August 2022 with 2023



With MPTS

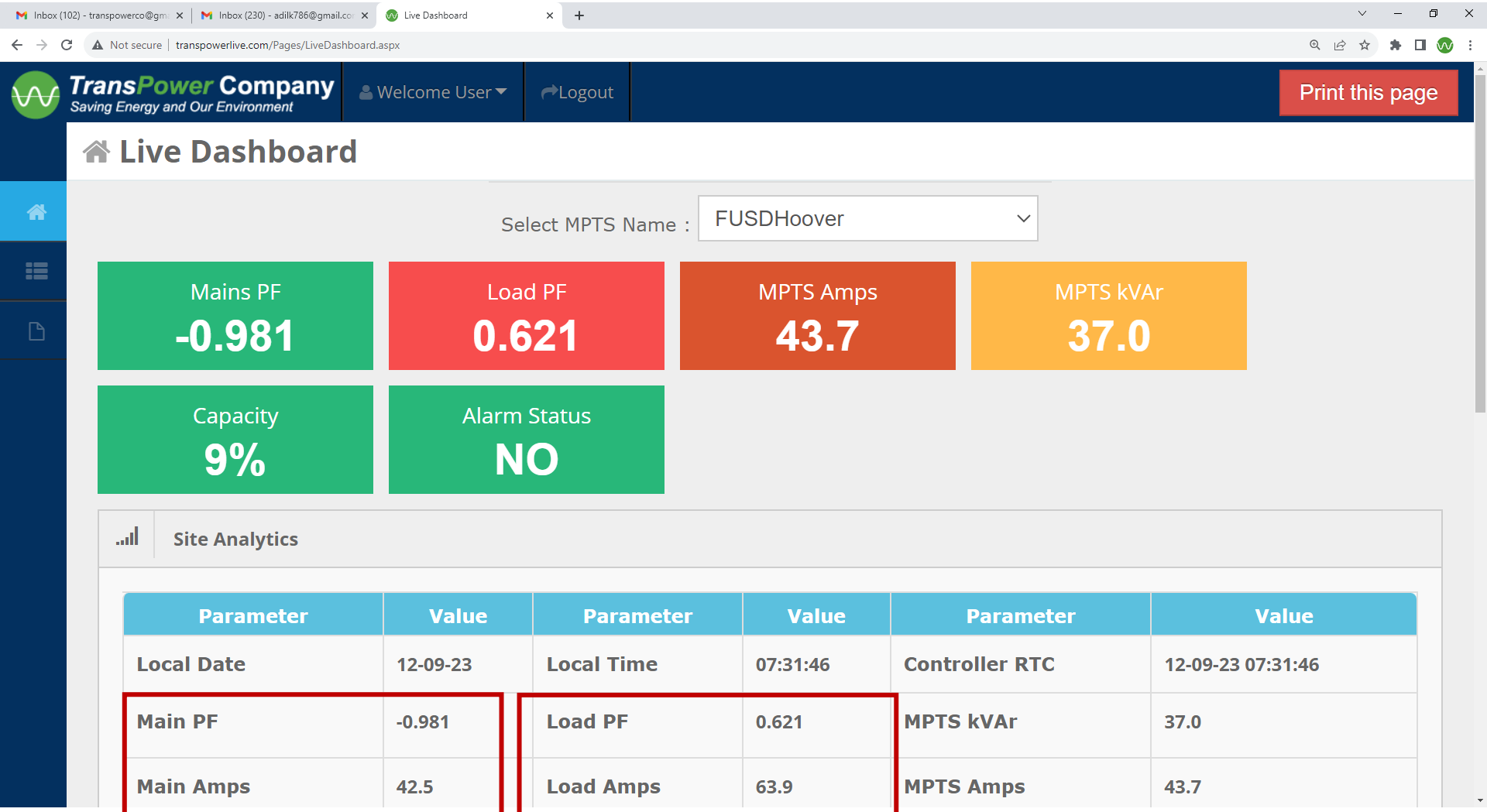
Without MPTS

Traditional power monitoring – compare last year with this year

21st Century real time MPTS power monitoring and management system

MPTS ID	174	MPTS Name	FUSDHoover	Firm Name	FUSDHoover
MPTS Model	MPTS 490	MPTS Capacity	MPTS_400	Company Name	TRANSPOWER
Country Name	NIL	Location	California	Installed Date	5/1/2023 12:45
Report Start Date	8/1/2023	Report End Date	8/31/2023	Report Type	Mains Power

Date	Time	kVA	kW	kVAr	PF
25-08-2023	0:00:00	293.9	292.5	24.5	0.996
25-08-2023	0:15:00	292.5	291.2	23.6	0.996
25-08-2023	0:30:00	294.6	293.8	-7.4	0.998
25-08-2023	0:45:00	293.1	292.3	-8.3	0.998
25-08-2023	1:00:00	290.9	290.1	-9.4	0.998
25-08-2023	1:15:00	294.8	294	-7.7	0.998
25-08-2023	1:30:00	292.2	291.4	-8.3	0.998
25-08-2023	1:45:00	296.2	295.5	-6.6	0.999
25-08-2023	2:00:00	293.6	292.8	-8.5	0.999
25-08-2023	2:15:00	294.3	293.5	-7.8	0.998
25-08-2023	2:30:00	294.3	293.6	-8.2	0.999
25-08-2023	2:45:00	295	294.3	-7.2	0.999
25-08-2023	3:00:00	296.6	295.9	-7.4	0.999
25-08-2023	3:15:00	298.4	297.6	-18	0.998
25-08-2023	3:30:00	297.9	297.2	-16.2	0.998
25-08-2023	3:45:00	173.1	172.5	-15.2	0.996
25-08-2023	4:00:00	172.4	171.7	-13.8	0.996



21st Century real time MPTS power monitoring and management system

Month of August 2023 – Green line with MPTS – Red line without MPTS

Inbox (102) - transpowerco@gm | Inbox (230) - adilk786@gmail.co | MPTS Dashboard Report

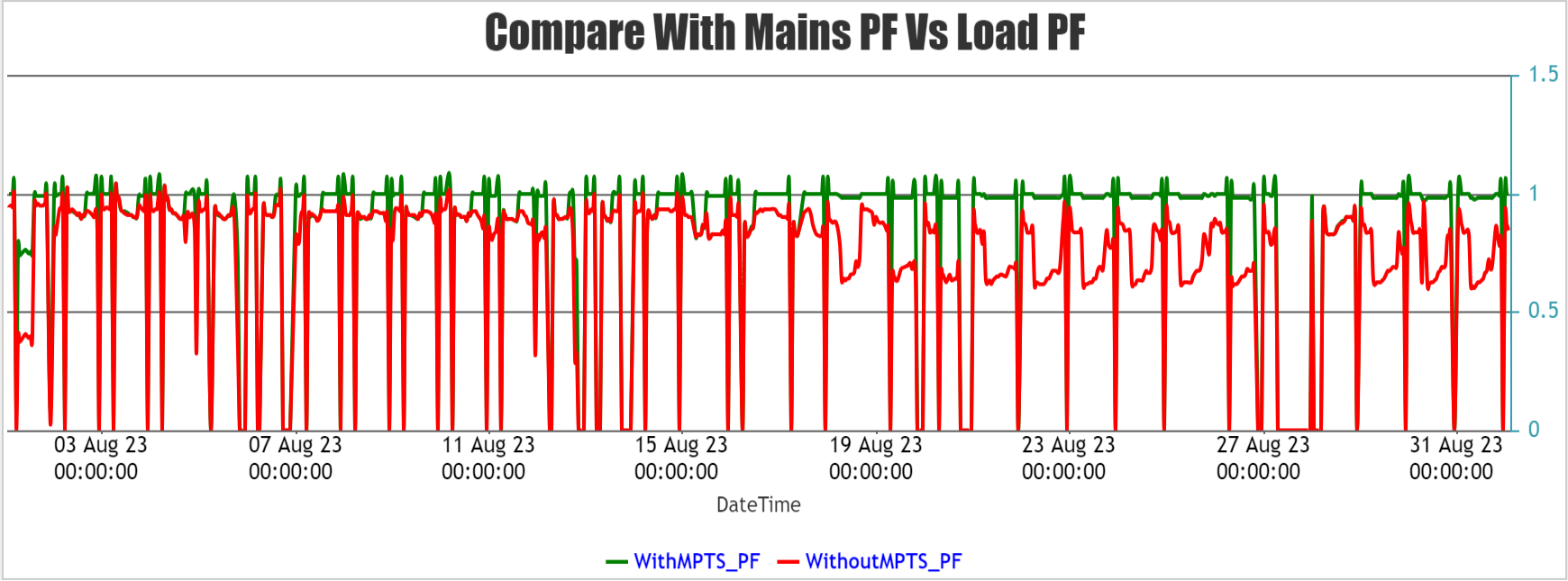
Not secure | transpowerlive.com/Pages/MPTSDashboartReport.aspx

MPTS Dashboard Report

Power Factor

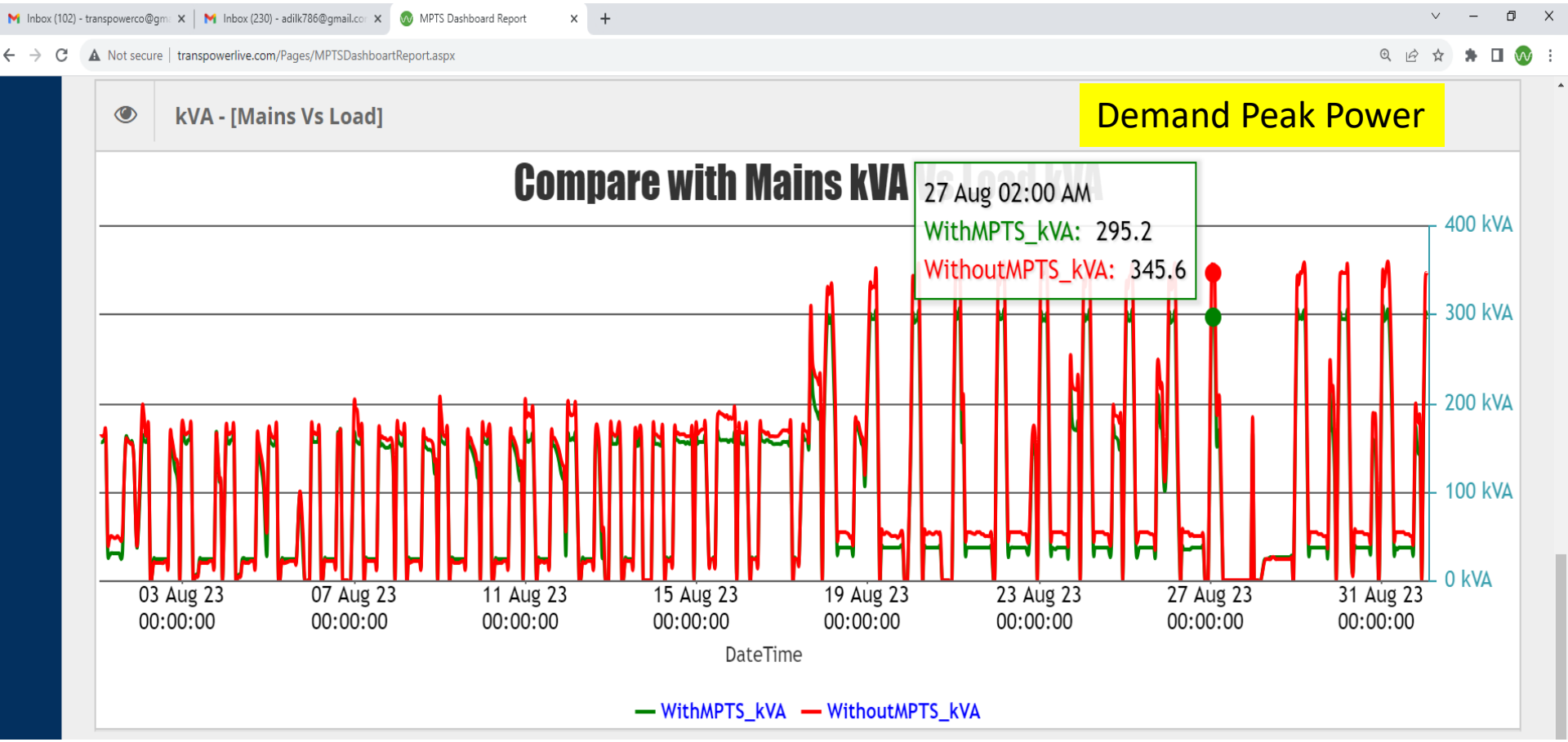
Mains Vs Load

PF - [Mains Vs Load]



21st Century real time MPTS power monitoring and management system

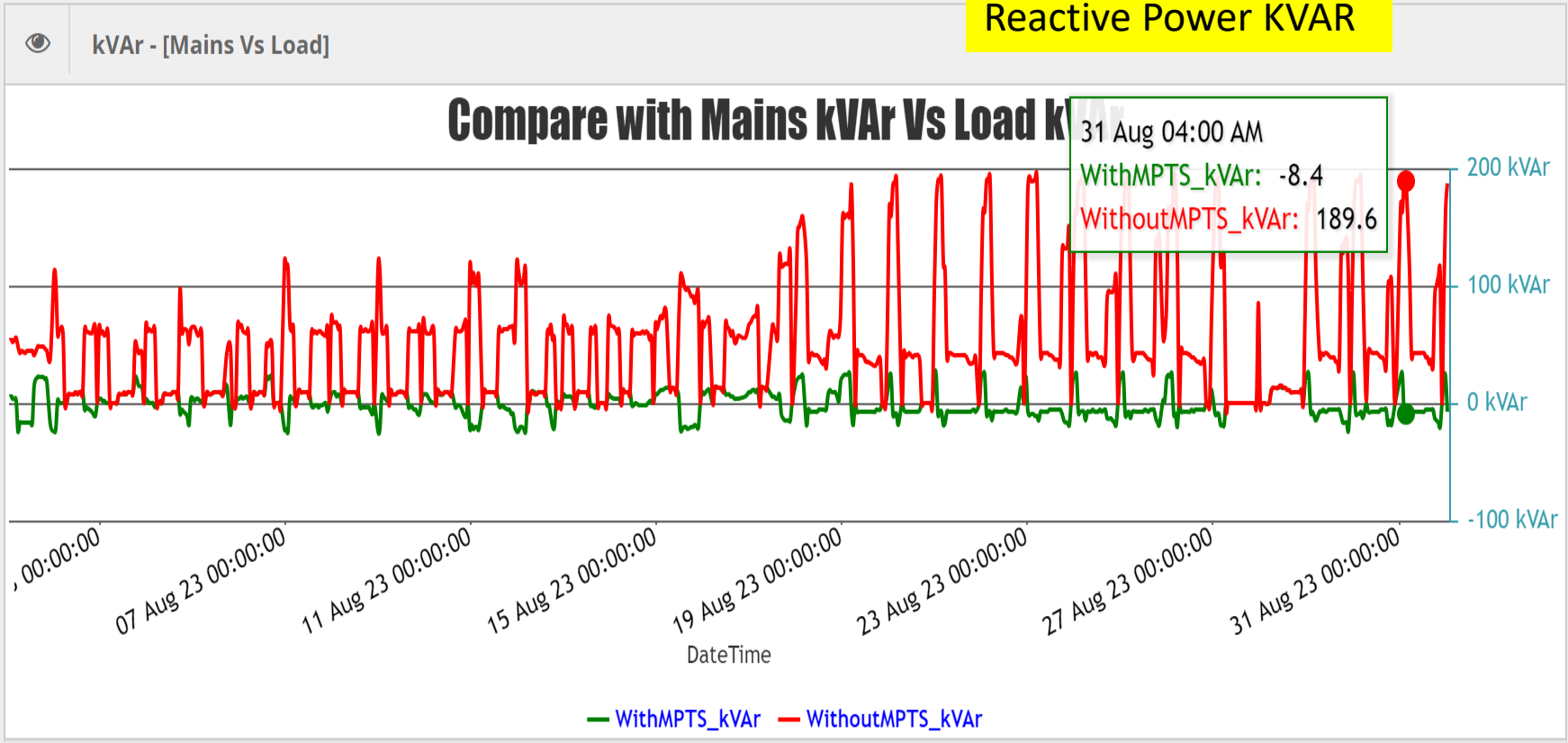
Month of August 2023 – Green line with MPTS – Red line without MPTS



21st Century real time MPTS power monitoring and management system

Month of August 2023 – Green line with MPTS – Red line without MPTS

Reactive Power KVAR



21st Century real time MPTS power monitoring and management system

Month of August 2023 – Green line with MPTS – Red line without MPTS

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Not secure | transpowerlive.com/Pages/MPTSDashboartReport.aspx

General Header Data

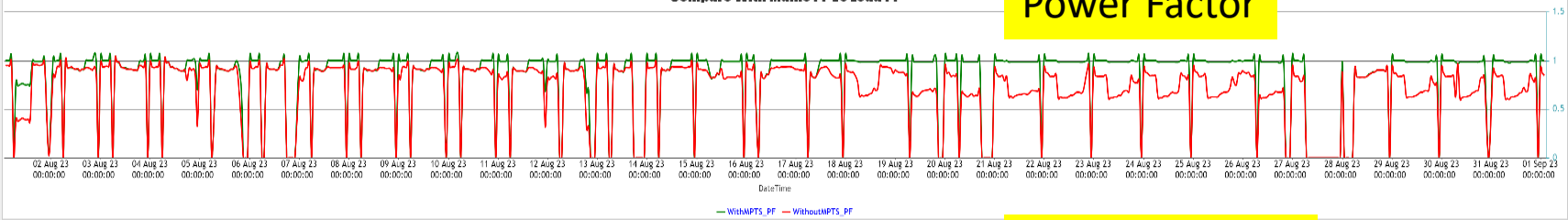
MPTS Dashboard Report

Mains Vs Load

PF - [Mains Vs Load]

Compare With Mains PF Vs Load PF

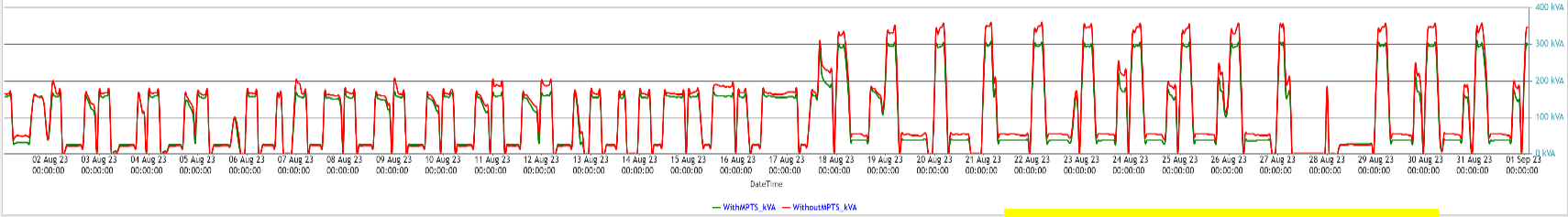
Power Factor



kVA - [Mains Vs Load]

Compare with Mains kVA Vs Load kVA

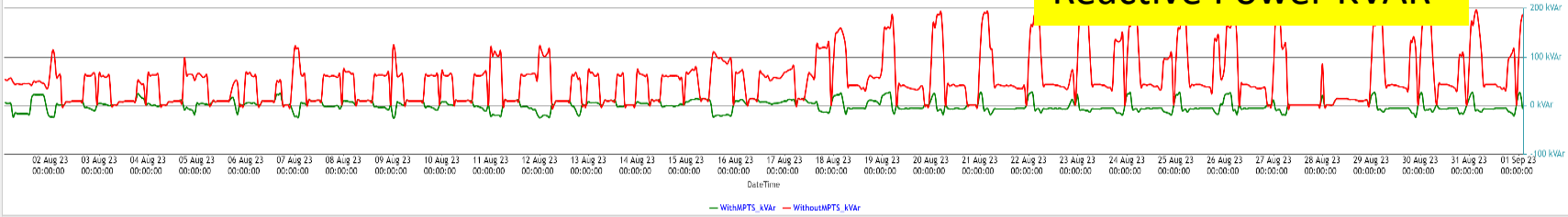
Demand Power



kVAr - [Mains Vs Load]

Compare with Mains kVAr Vs Load kVAr

Reactive Power KVAR



21st Century real time MPTS power monitoring and management system