



Marianas Linen Supply - Guam USES System Performance Results – Summation (3 XL units)

DM II Pro Data Logger recording graphs Timed Interval Samplings Results: Averaged between 9:10 to 9:20 Jan, 02, 2013

Graph Title	USES System OFF (9:10 to 9:15 AM)	USES System ON (9:15 to 9:20 AM)	Change/ Savings
Real Power	174,000 Watts	164,000 Watts	- 10,000 Watts
Apparent Power	205,000 Volt Amps	170,000 Volt Amps	- 35,000 Volt Amps
Current	255 Amps	210 Amps	- 41 Amps
Reactive Power	105,000 VAR	40,000 VAR	- 65,000 VAR
Voltage	271 Volts	272.5 Volts	+ 1.5 Volts
Power Factor	.855	.970	+ 11.5

KWH and Demand as billed by the Utility Company is based on all above factors.

50% of Real Power Savings plus 50% of Apparent Power Savings totaled together = Total kWh typically billed

10,000 Watts / 2 = 5,000 Watts

35,000 VA / 2 = 17,500 VA

Total 22,500 = 22.5 kWh

22.5 kWh X 28 days X 8 hrs per day = 5,040 kWh/month X .317 (kWh cost) = \$ 1,597.68/month

= 14.0% kWh reduction per month and 14.0% dollar savings per month.

Savings of an additional 1.5 % of total bill is anticipated as a GPA credit for increasing Power Factor from .855 to .970

14% USES System savings + 1.5% GPA credit = 15.5% total savings = \$1,766.07/month

\$29,916.00 total USES System cost / \$1,766.07 / month savings = 16.94 months ROI

Original projected kWh reduction on proposal is 3,584 kWh /month X .317 (kWh cost) = \$ 1,136.12/month

= 10% kWh reduction per month and 10% dollar savings per month with 22.54 months ROI

info@1stGreenSolutions.com

www.1stGreenSolutions.com

Hawaii Office (808) 965-9678
P.O. Box 536 Pahoia, HI 96778

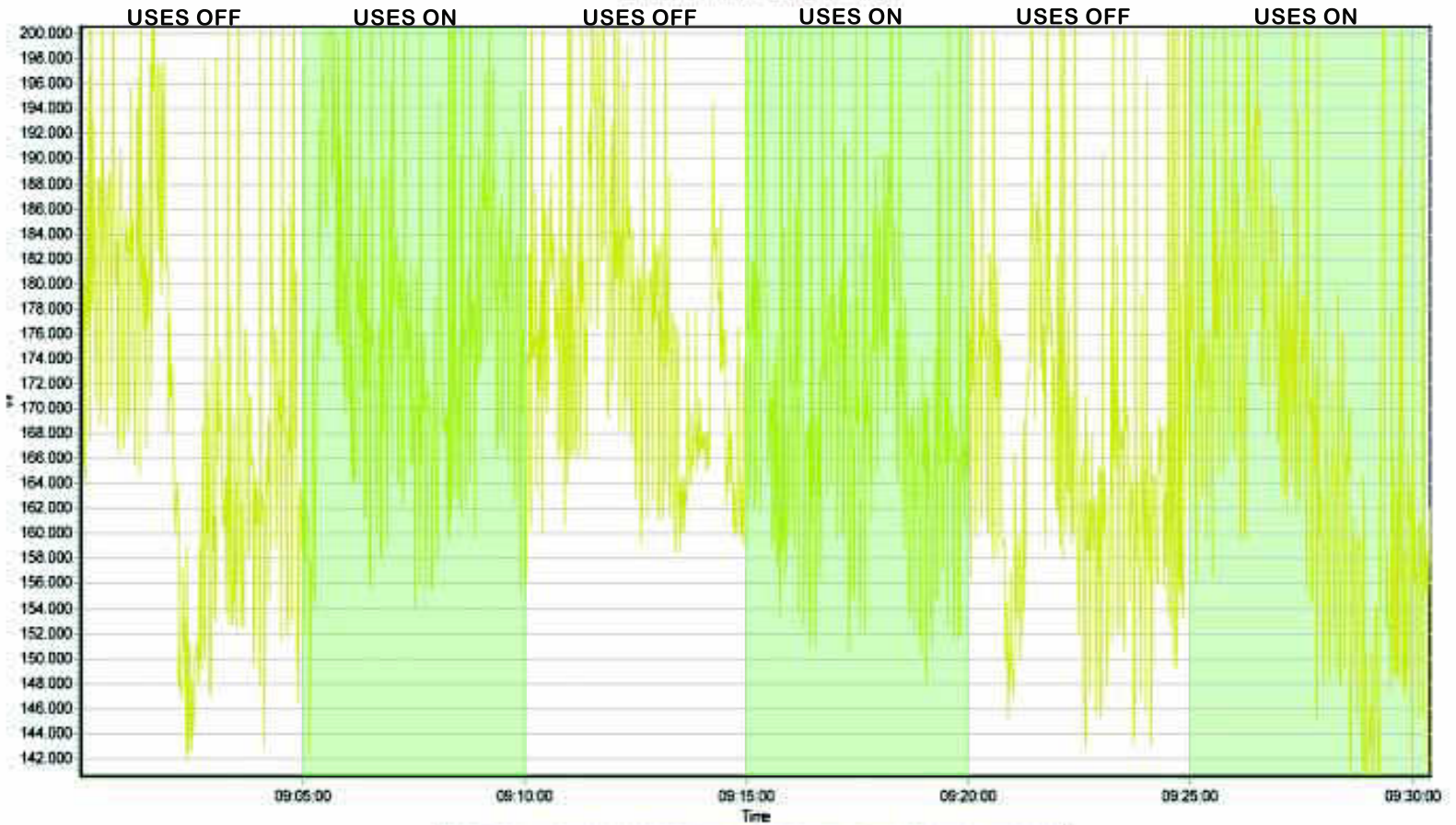
Toll Free 1-855-38-GREEN (4-7336)
Authorized Power Shaver Distributor

Guam Office (671) 747-2830

193 Tumon Ln, Tamuning, Guam 96913

1GSG-MLS REAL POWER 01-02-13

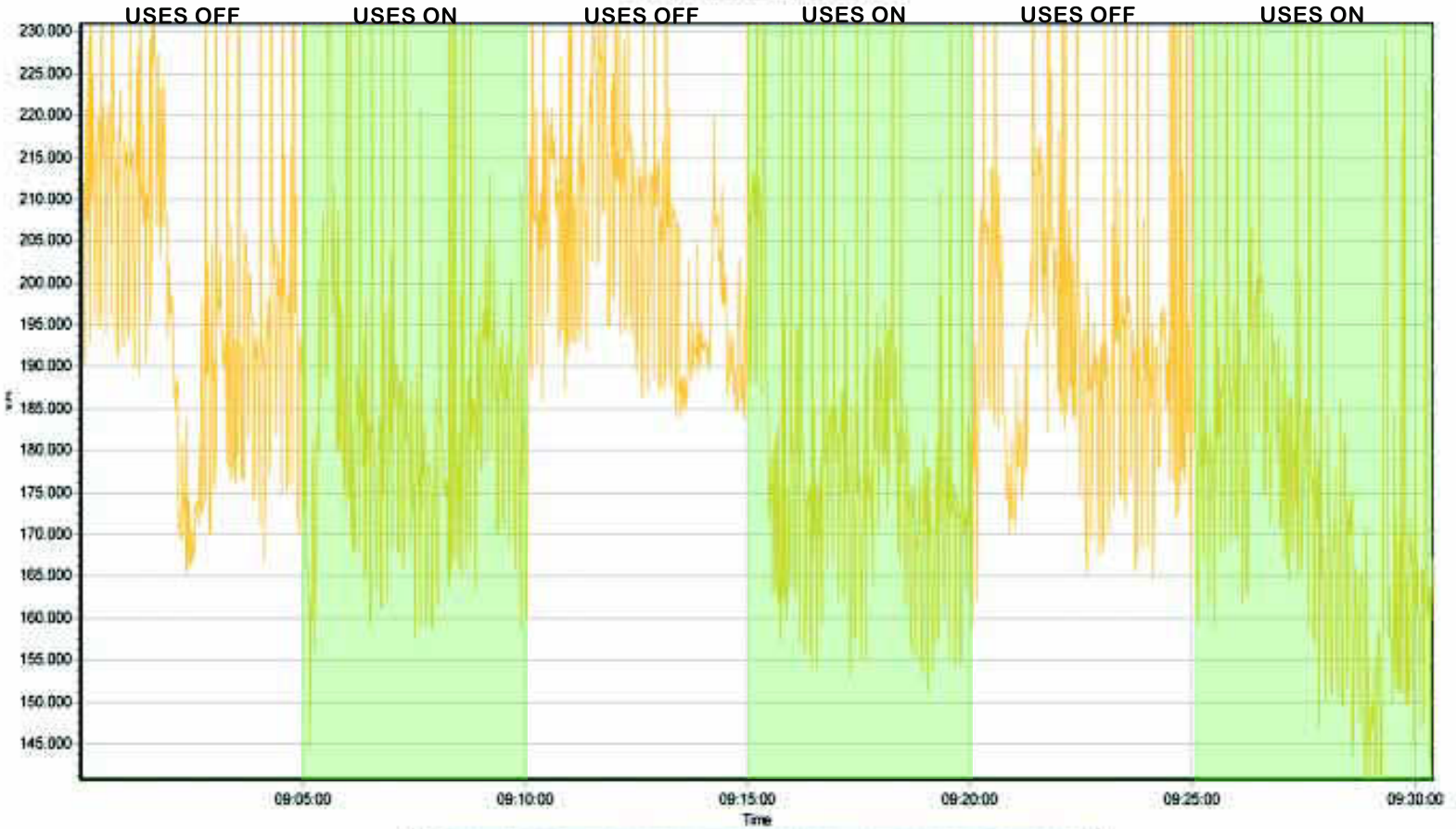
02.01.2013 09:00:01 - 02.01.2013 09:30:25



Real Power Total (1000000 W) over 1000000 W range 200000 W step 1000000 W

1GSG-MLS APPARENT POWER 01-02-13

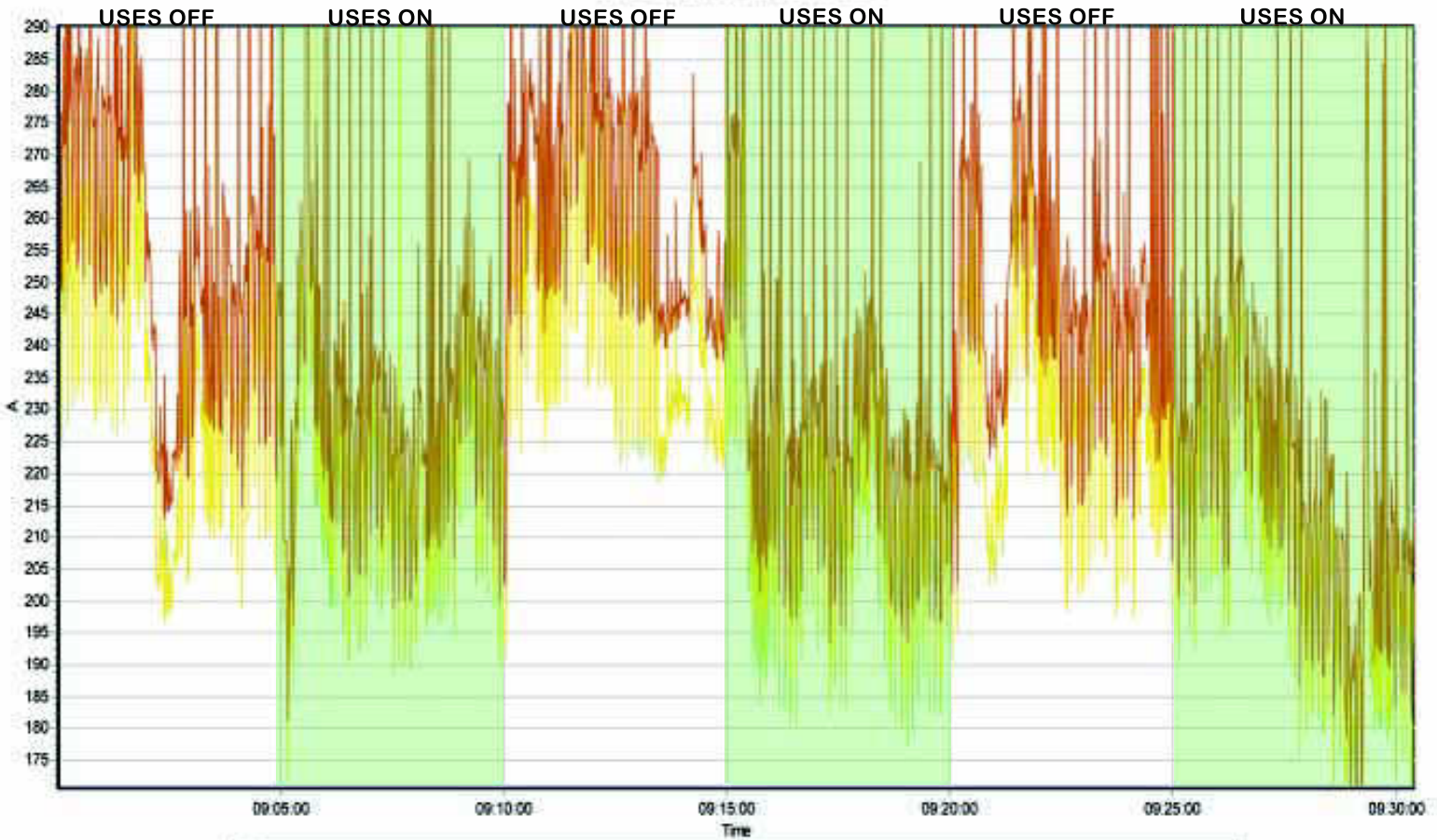
02.01.2013 09:00:01 - 02.01.2013 09:30:25



Apparent Power Total (171120 VA, max 170725.00 VA, min 222957.00 VA, avg 169710.00 VA)

1GSG-MLS CURRENT 01-02-13

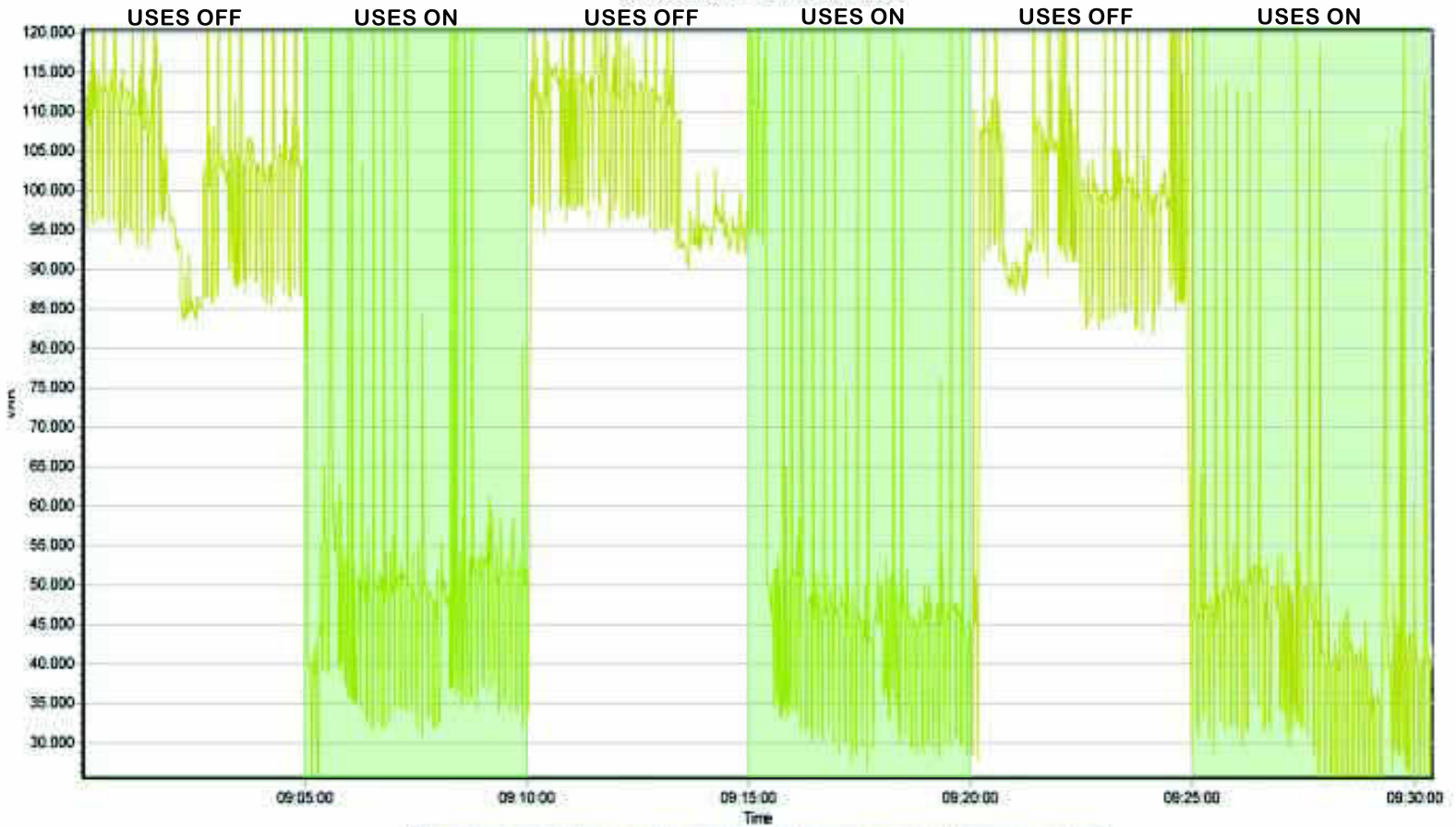
02.01.2013 09:00:01 - 02.01.2013 09:30:25



RMS Current 01 (281.12 A, min:185.01 A, max:393.17 A, avg:239.80 A) RMS Current 02 (282.90 A, min:185.41 A, max:394.00 A, avg:239.80 A)
 RMS Current 03 (281.31 A, min:185.38 A, max:410.38 A, avg:243.60 A)

1GSG-MLS REACTIVE POWER 01-02-13

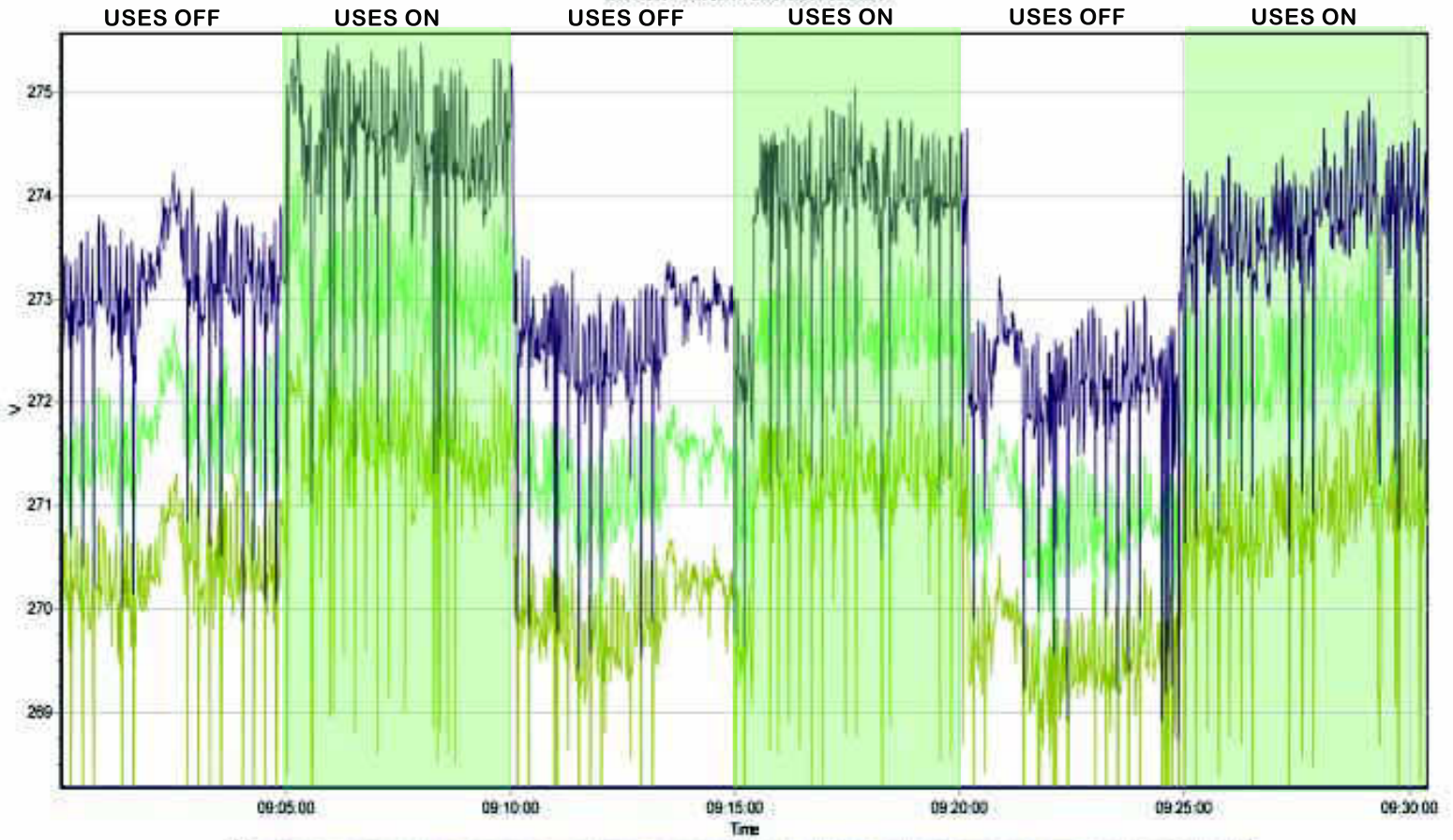
02.01.2013 09:00:01 - 02.01.2013 09:30:25



Reactive Power Total: 95049.33 VAR, min: 32674.64 VAR, max: 123405.52 VAR, avg: 73259.28 VAR

1GS-MLS VOLTAGE 01-02-13

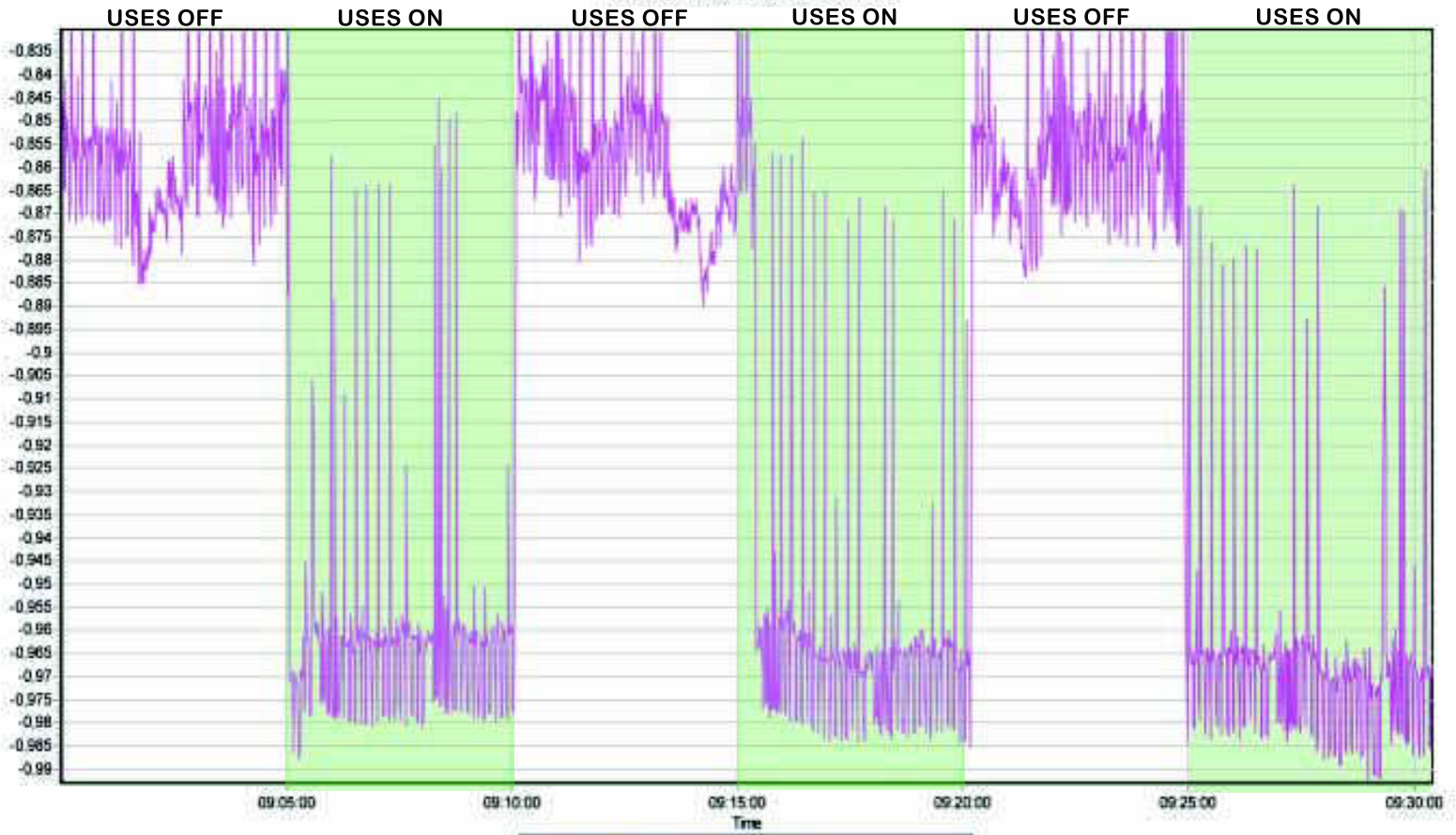
02.01.2013 09:00:01 - 02.01.2013 09:30:25



RMS Voltage #01 (273.74 V, min:267.27 V, max:274.25 V, avg:273.58 V) RMS Voltage #02 (269.57 V, min:266.27 V, max:272.65 V, avg:270.53 V)
 RMS Voltage #03 (272.19 V, min:268.74 V, max:275.57 V, avg:273.31 V)

1GSG-MLS TRUE POWER FACTOR 01-02-13

02.01.2013 09:00:01 - 02.01.2013 09:30:25



True Power Factor Total (0.85; min 0.99; max 0.75; avg 0.91)