

## FACILITY POWER QUALITY - DATA SUMMARY

Arrow Linen

01/01/08 to 12/31/08

### Generator Off

	Line 1			Line 2			Line 3			Totals		
	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max
Voltage (V)	24.3	122.3	129.6	22.7	121.6	129.1	104.2	120.9	133.4	n/a	n/a	n/a
Current (amps)	85.52	270.34	1464.79	56.49	227.43	1470.26	35.34	198.17	1267.52	n/a	n/a	n/a
True Power (kW)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.0	46.1	373.9
Apparent Power (kVA)	2.7	32.3	162.0	1.7	27.0	165.9	4.2	23.4	145.7	19.3	79.4	433.6
Power Factor (-)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.01	0.72	0.98
Voltage THD (%)	0.77	2.67	4.69	0.59	2.51	4.82	0.57	2.66	25.10	n/a	n/a	n/a
Current THD (%)	2.42	22.21	66.07	1.81	26.94	94.92	3.77	47.19	395.20	n/a	n/a	n/a
Frequency (hz)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	59.9	60.0	60.1

### Generator On

	Line 1			Line 2			Line 3			Totals		
	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max
Voltage (V)	101.6	118.8	126.3	109.2	118.5	126.3	107.9	117.9	125.7	n/a	n/a	n/a
Current (amps)	105.86	1027.93	1534.71	67.13	962.09	1522.64	48.62	922.98	1413.51	n/a	n/a	n/a
True Power (kW)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-0.5	67.8	379.8
Apparent Power (kVA)	12.9	121.8	178.6	8.3	113.7	177.4	5.8	108.6	169.0	23.1	341.8	497.1
Power Factor (-)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.00	0.20	0.96
Voltage THD (%)	0.60	1.75	4.11	0.40	1.56	4.06	0.40	1.64	7.45	n/a	n/a	n/a
Current THD (%)	3.26	8.55	44.67	1.61	8.88	50.92	3.82	10.18	141.54	n/a	n/a	n/a
Frequency (hz)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	59.9	60.0	60.1

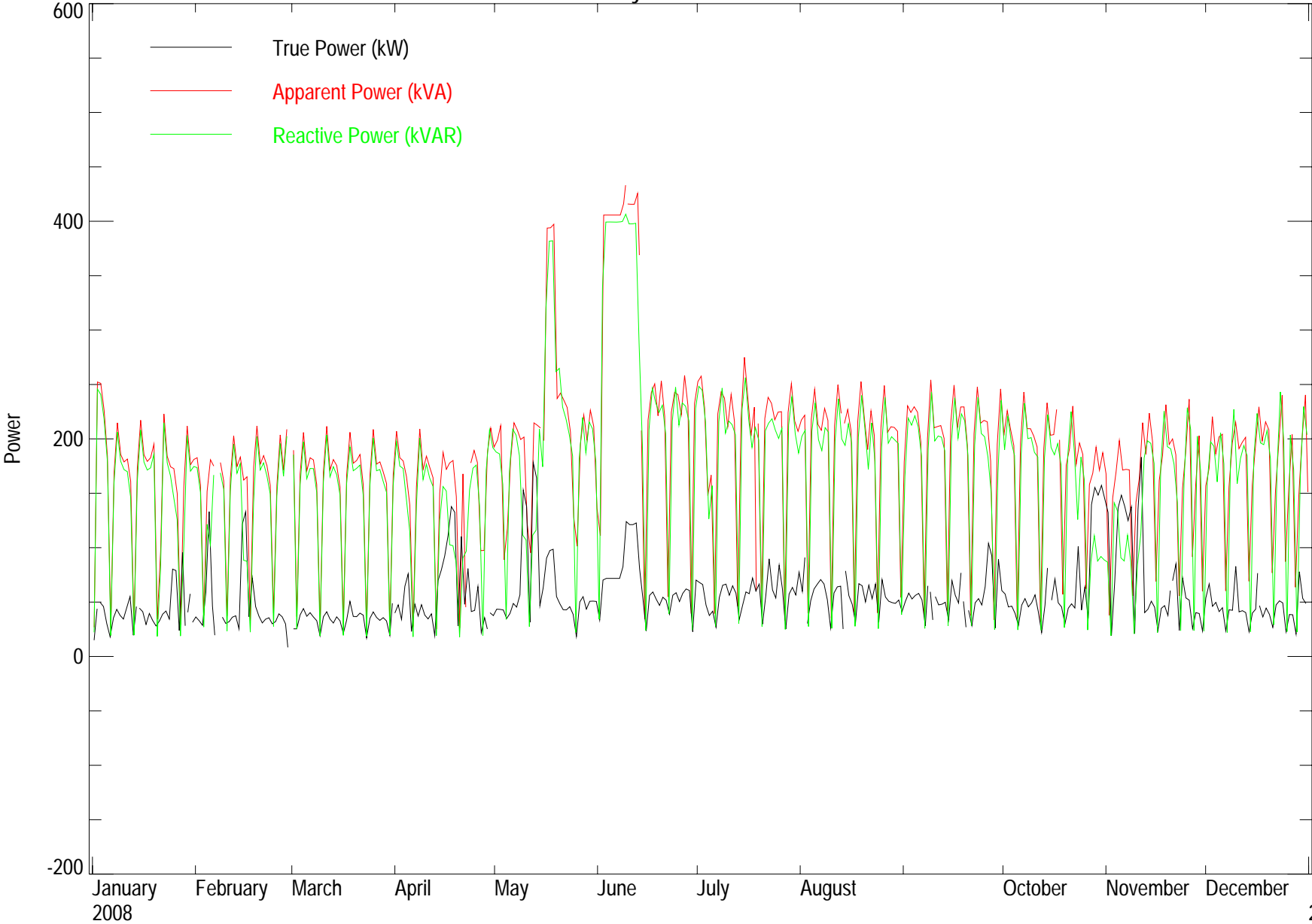
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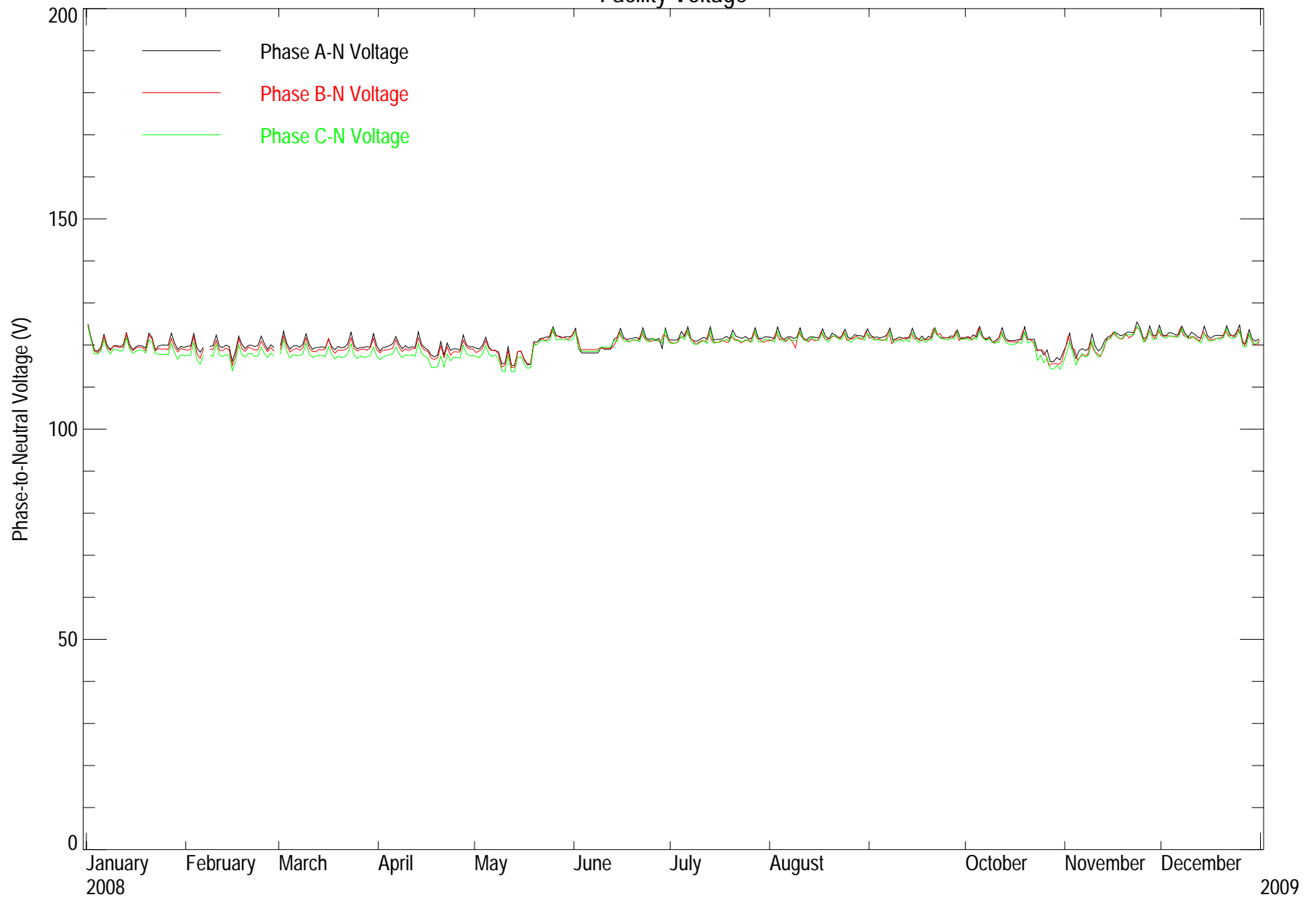
01/01/08 to 12/31/08

Date	Good Data (%)	Facility Apparent Power (kVAh)	Facility Reactive Power (kVARh)	Facility True Power (kWh)	Power Factor (-)
Jan 2008	99.97	120169.33	111718.51	29690.50	0.25
Feb 2008	93.07	100933.05	89444.92	30106.70	0.30
Mar 2008	99.97	114428.71	108233.45	24950.50	0.22
Apr 2008	99.20	109755.81	96034.31	38946.80	0.35
May 2008	99.97	155609.73	140454.98	40301.70	0.26
Jun 2008	99.79	196453.89	188945.45	22242.40	0.11
Jul 2008	99.97	149234.88	139381.53	40645.60	0.27
Aug 2008	99.97	141641.70	131479.38	40382.40	0.29
Sep 2008	100.00	138591.67	129163.83	38906.30	0.28
Oct 2008	99.97	132516.16	114559.42	47546.00	0.36
Nov 2008	100.00	114687.38	93417.14	50134.40	0.44
Dec 2008	100.00	130897.80	122704.38	32489.50	0.25
Total	99.35	1604920.10	1465537.30	436342.81	0.27

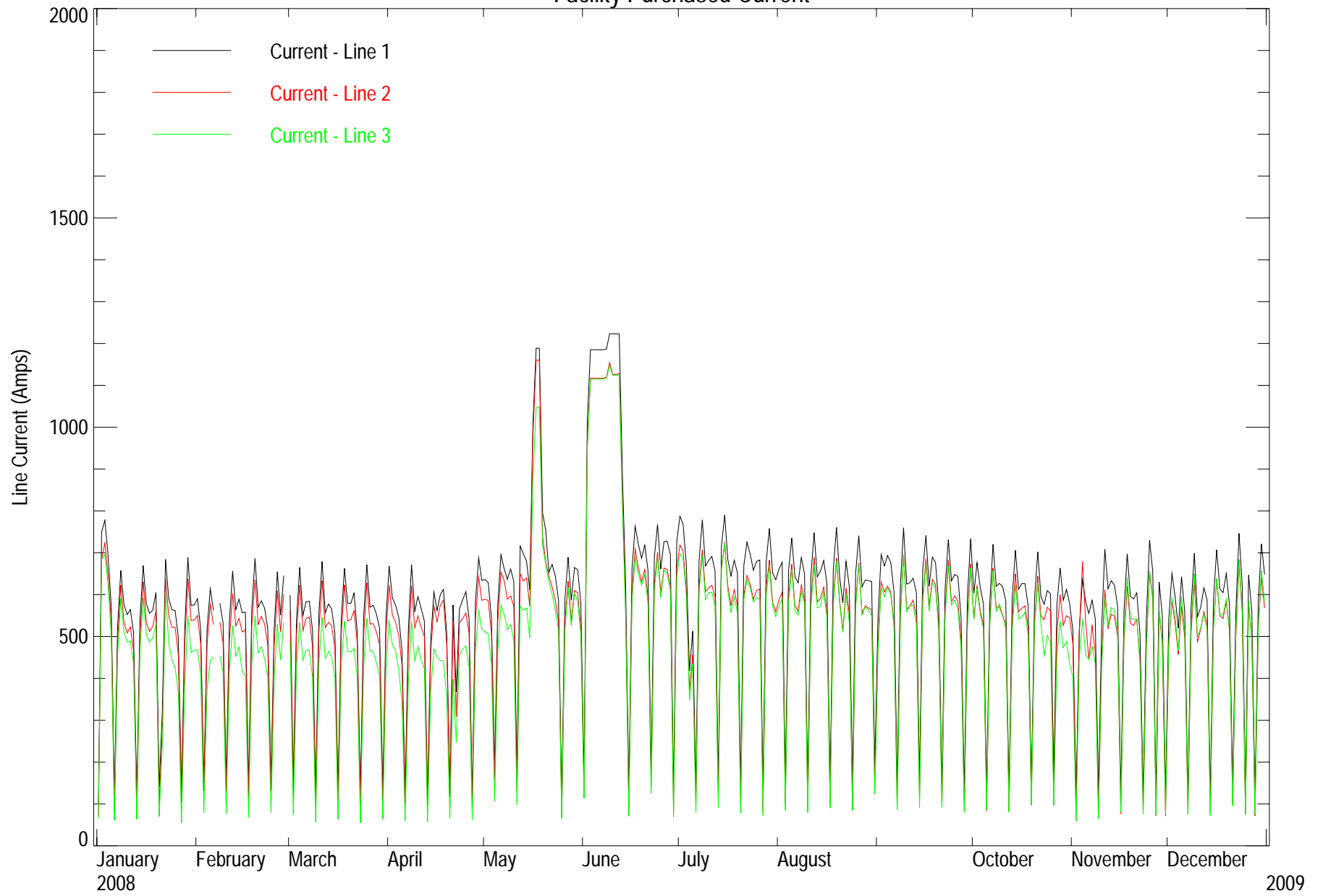
# Facility Purchased Power



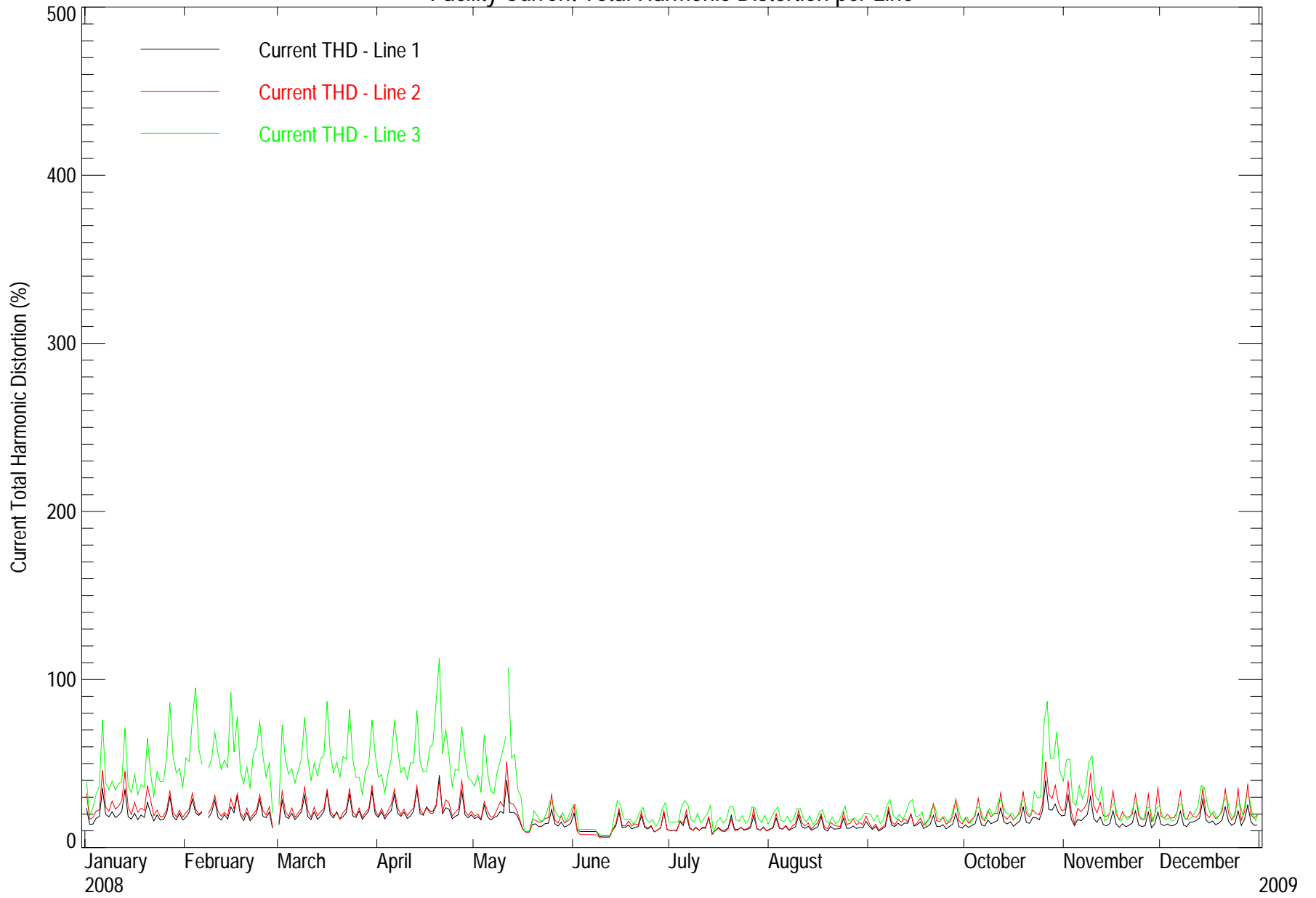
# Facility Voltage



# Facility Purchased Current



Facility Current Total Harmonic Distortion per Line



Facility Voltage Total Harmonic Distortion per Line

