



May 20, 2013

VIA ELECTRONIC FILING

Marlene H. Dortch
Secretary
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, D.C. 20554

Re: Notice of Ex Parte Communication, PS Docket No. 11-60

Dear Ms. Dortch:

On May 17, 2013, Andy Briggs of Omnimetrix, LLC, Kent Leacock of Acorn Energy Inc., and Jonathan Campbell and the undersigned of PCIA – The Wireless Infrastructure Association held a conference call with David Turetsky, Genaro Fullano, and Eric Schmidt of the Public Safety and Homeland Security Bureau.

Omnimetrix develops systems that monitor the status of backup power facilities wherever they are installed, including on wireless telecommunications facilities. During the call, Omnimetrix provided an overview of its products consistent with the attached presentation and answered related questions from Federal Communications Commission staff.

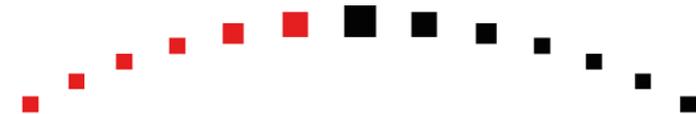
Pursuant to Section 1.1206 of the Commission's rules, this letter is being filed via ECFS. Please do not hesitate to contact the undersigned with any questions.

Sincerely,

_____/s/_____
Alexander Blake Reynolds
Government Affairs Counsel
PCIA –The Wireless Infrastructure Association

Enclosure

CC: David Turetsky, Genaro Fullano, and Eric Schmidt



OMNIMETRIX



OMNIMETRIX
GLOBAL MONITORING + CONTROL

WHAT WE DO

WE MAKE EMERGENCY POWER
GENERATOR SYSTEMS
MORE RELIABLE!

HOW WE DO IT

WE PROVIDE WIRELESS REMOTE
MONITORING, DIAGNOSTIC &
CONTROL SOLUTIONS THAT

ELIMINATE 95% OF FAILURES

WHEN YOU LOSE UTILITY POWER

OUR SOLUTIONS

WE PROVIDE COST EFFECTIVE, YET VERY SOPHISTICATED MONITORING SOLUTIONS FOR ALL GENERATOR APPLICATIONS

- Continuously monitor condition and status
- Immediate notification of any problems or condition changes
- Extensive valuable data for diagnostics, reporting and proactive service response
- Interactive web user interface - OmniView

WHO WE ARE

- OMNIMETRIX Founded in 1998 – 15 Years of Monitoring History
- The Pioneer and Leader in Wireless Remote Monitoring, Diagnostics & Control for Generator Systems
- Acquired by Acorn Energy in 2012 (NASDAQ: AQFN)
- Acorn Energy is a company focused on transforming the oil and gas industry and electric grid by making it Smarter
- Acorn Energy currently includes 4 companies:

- OMNIMETRIX

- GridSense

- DSIT

- USSI



Enabling a self-healing, self-balancing grid



24/7 monitoring of power generation infrastructure



Accelerating the digital oilfield

THE PRODUCTS

- **Monitoring Devices for all generator applications**
- **Multiple Communication Options** - Quad Band **Cellular** (4G GSM or CDMA), Iridium **Satellite**, or LAN/Ethernet
- **Pre-Configured Programming and Cables** – Monitors are shipped pre-programmed and configured for your controls to minimize installation time
- **Simple & Quick Installation** – Most monitors can be installed in less than 30 minutes & include pre-engineered cables & installation instructions
- **Over the “Air” Programming & Updates** – All programming & updates completed over the air at no additional cost. No local software to install!



USER INTERFACE CAPABILITIES

- OmniView Data Management Control Center with 24/7 Secure Web Access
- Instant Alarm/Fault/Event Notification – Sent via E-mail and/or SMS Text
- Detailed Alarm/Fault/Event Display & History – Time & date stamped
- Extensive Custom Reporting, Data Analysis and Graphing
- Many More Capabilities

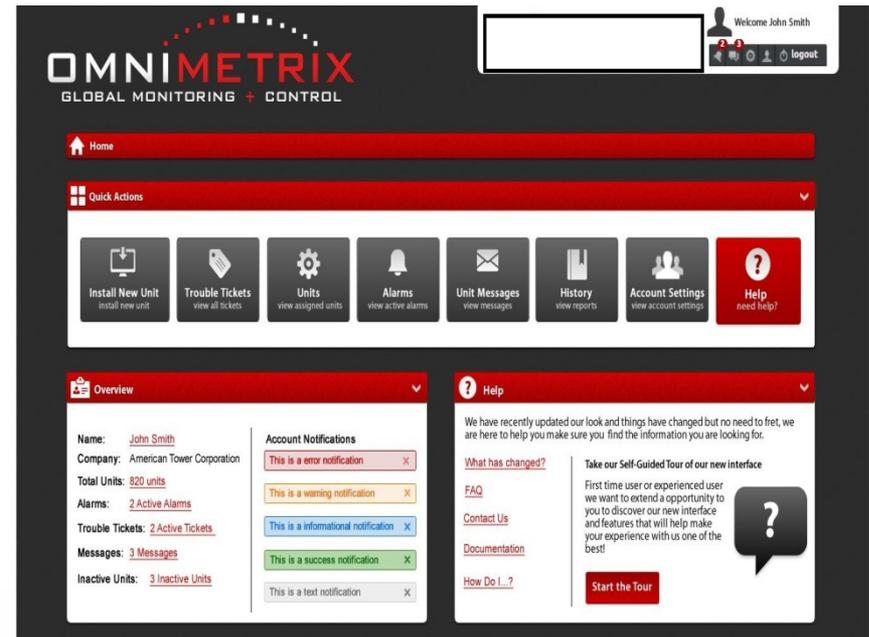


Remote Monitoring

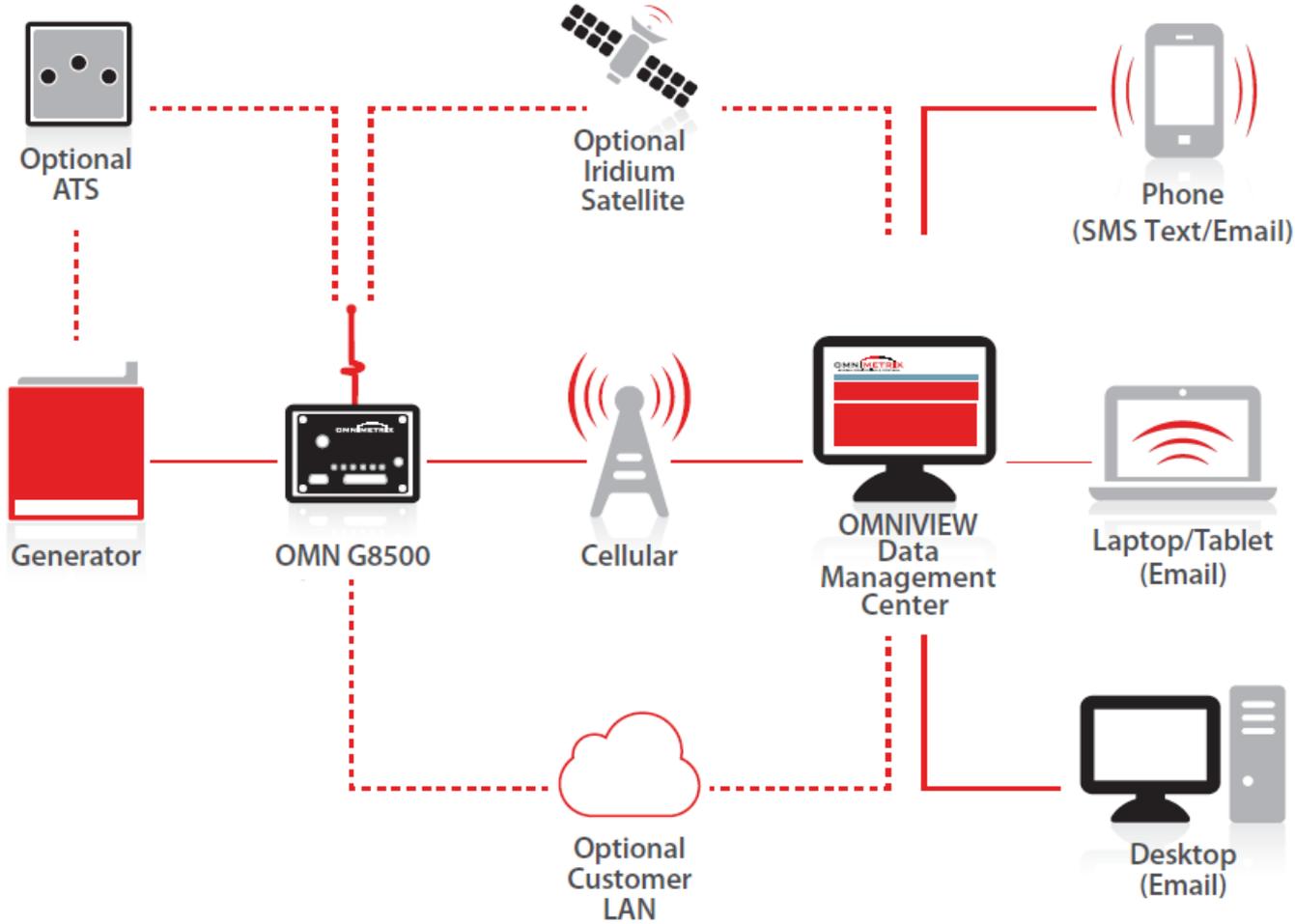
Generator Monitor



Web Interface



HOW IT WORKS



OMNIMETRIX

MONITORING AND DIAGNOSTICS

Monitoring and Diagnostics

- Constant monitoring of unit condition
- Alarm notification of “changes or events”
- Extensive automated and custom reports
- Extensive automated and custom diagnostics
- Time & date stamped activity and history
- Verifiable data
 - Available data and remote control capabilities vary from one generator brand to another
 - Newer control systems have extensive data available and control capabilities via our Modbus interface

Map View

OMNIMETRIX
CONTROL + DIAGNOSTICS

Unit Locations

Map View: Atlanta, Georgia

Map controls: 2D, 3D, Road, Aerial, Bird's eye, Labels

Map labels: Milton, Woodstock, Acworth, Alpharetta, Roswell, Johns Creek, Duluth, Suwanee, Sugar Hill, Buford, Auburn, Dacula, Lawrenceville, Norcross, Dunwoody, Chamblee, North Atlanta, Tucker, Stone Mountain, Clarkston, North Decatur, Decatur, Belvedere Park, Redan, Lithonia, Lakeview Estates, Conyers, Walnut Grove, Loganville, Snellville, Lilburn, 378, 124, 10, 81, 138, 20, 40, 75, 675, Morrow, Forest Park, Conley, Panthersville, Gresham Park, East Point, College Park, Union City, Riverdale, Fouts Mill, Douglasville, Austell, Mableton, Smyrna, Vinings, Fair Oaks, Sandy Springs, Marietta, Kennesaw, Cross Roads, Dallas, Hiram, Powder Springs, 360, 92, 70, 407, 29, 14, 154, ALT, 29, 85, 20, 176, 3, 120, 5, 9, 140, 141, 316, 3, 6, 10, 285, 401, 402, 407, 42, 6, 10, 20, 40, 75, 675, 10 miles

bing

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Message Notifications

Email and Text Delivery

----- Original Message -----

Subject: Omx Unit Status(#30439 Lucedale, MS)

Date: 7 Jan 2013 09:34:01 -0400

#30439 Lucedale, MS Reports:

GENERATOR STOPPED-ALARM

OVERCRANK ALARM

GENERATOR SHUTDOWN

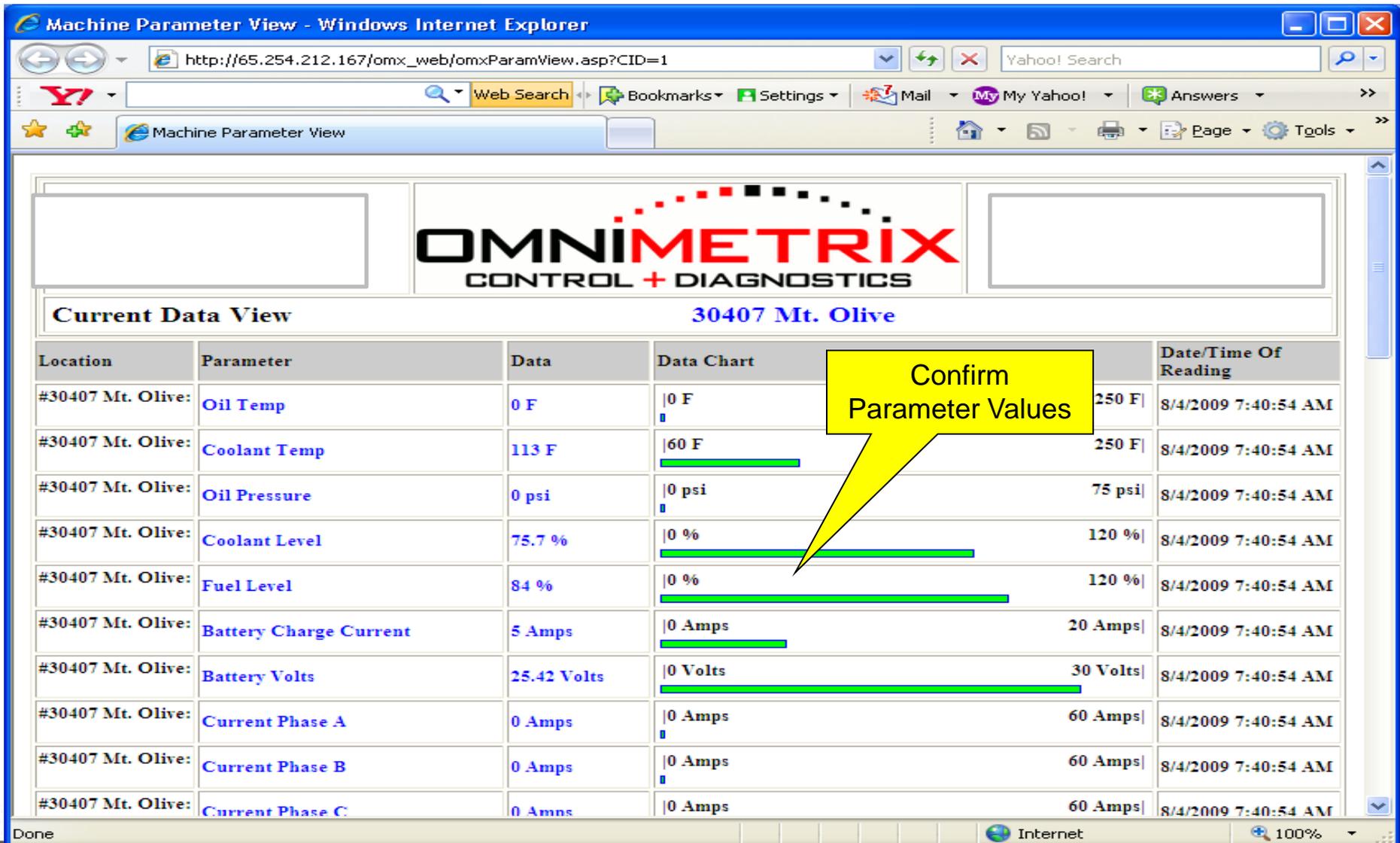
1/7/2013 8:34:02 AM

Alarm Activity and History

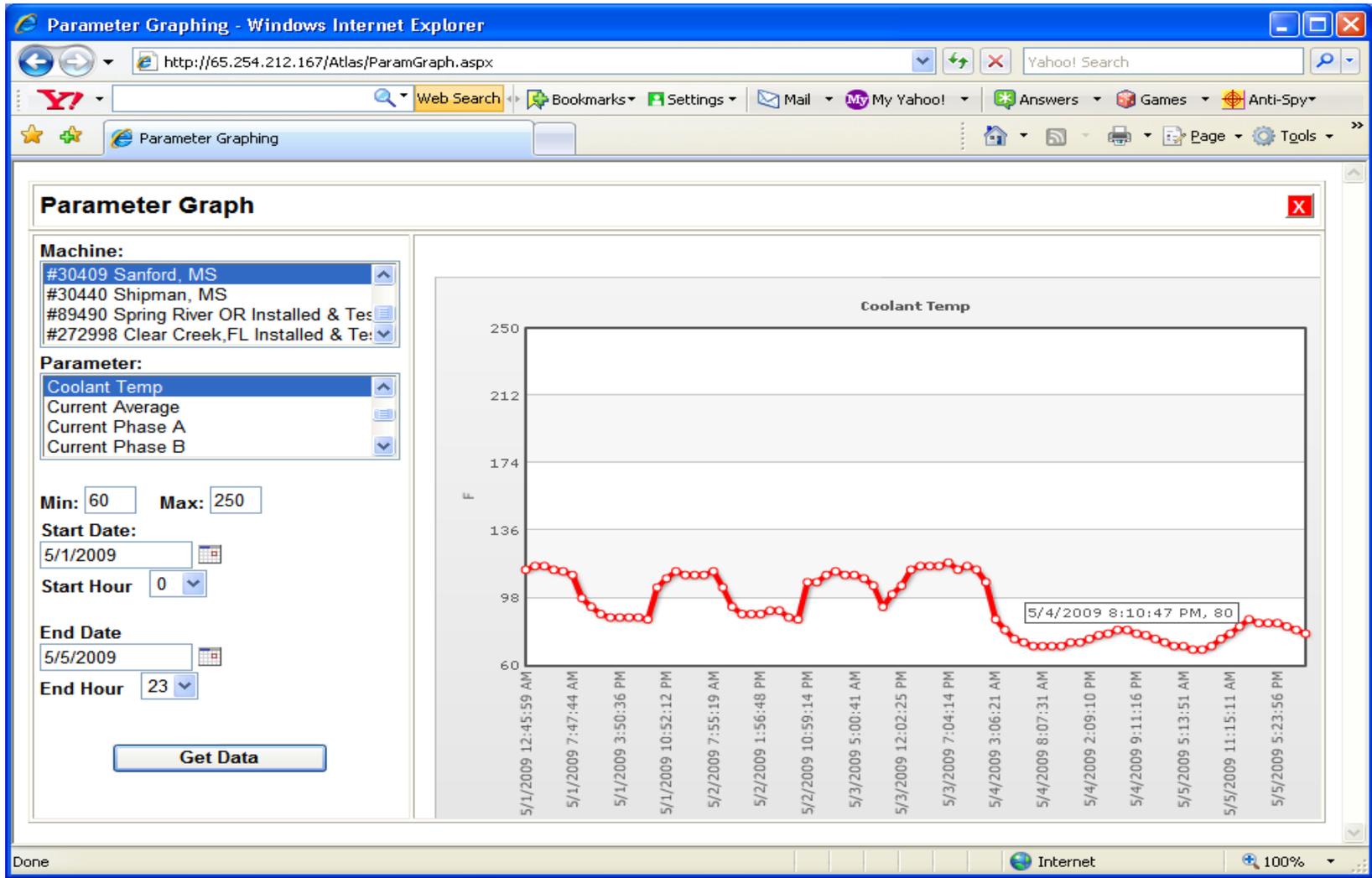
Automated Reporting and Custom Reports

IN AUTO	1/8/2013 12:54:09 PM
NO OVERCRANK ALARM	1/8/2013 12:54:09 PM
GEN STOPPED-ALRM TEST OK	1/8/2013 12:54:09 PM
NO COMMON ALARM	1/8/2013 12:54:09 PM
SHUTDOWN GENSET TEST OK	1/8/2013 12:53:38 PM
NOT IN AUTO	1/8/2013 12:53:38 PM
SHUTDOWN GENSET	1/7/2013 8:33:47 AM
OVERCRANK ALARM	1/7/2013 8:33:47 AM
GEN STOPPED-ALRM	1/7/2013 8:33:47 AM
COMMON ALARM	1/7/2013 8:33:03 AM

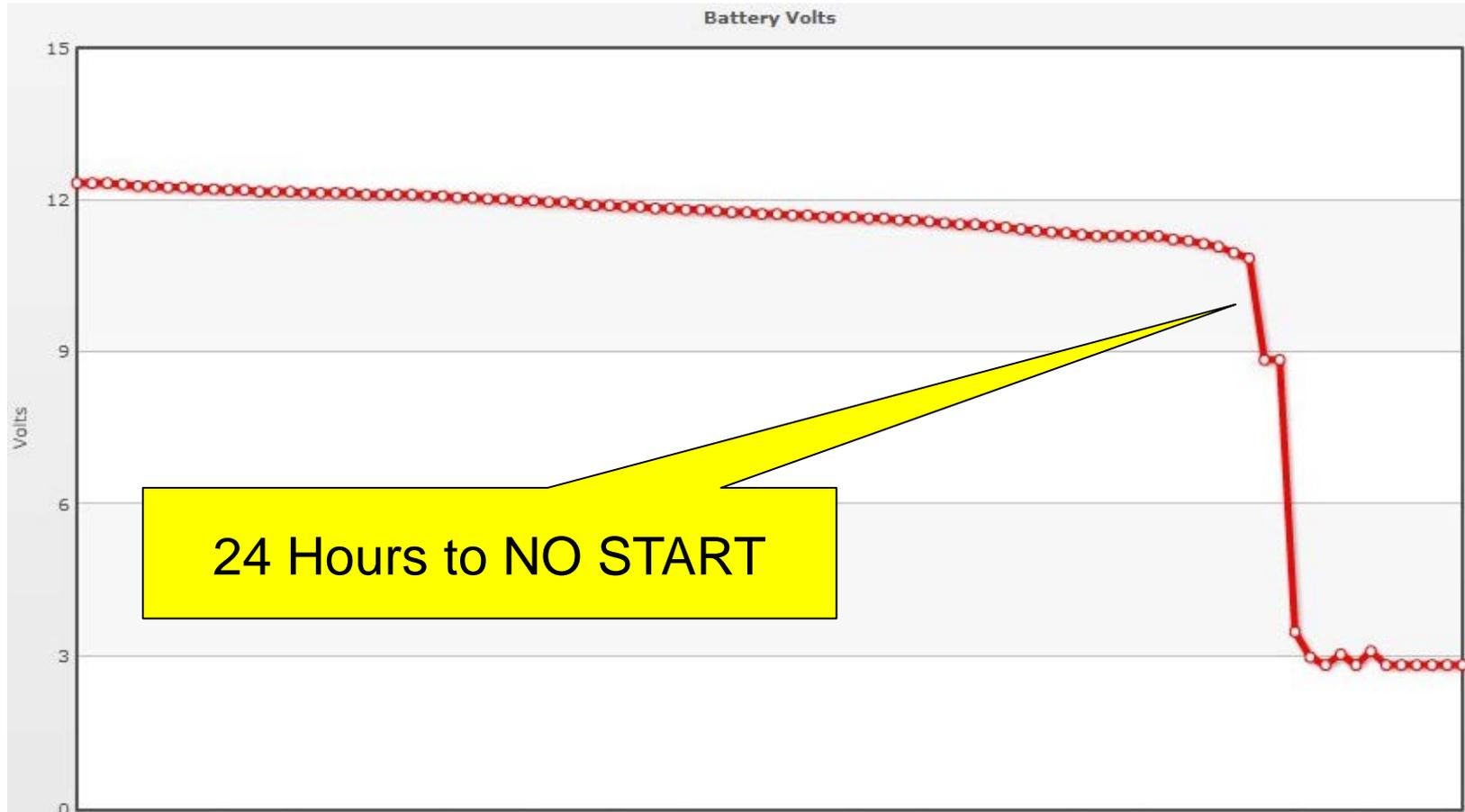
Performance Verification



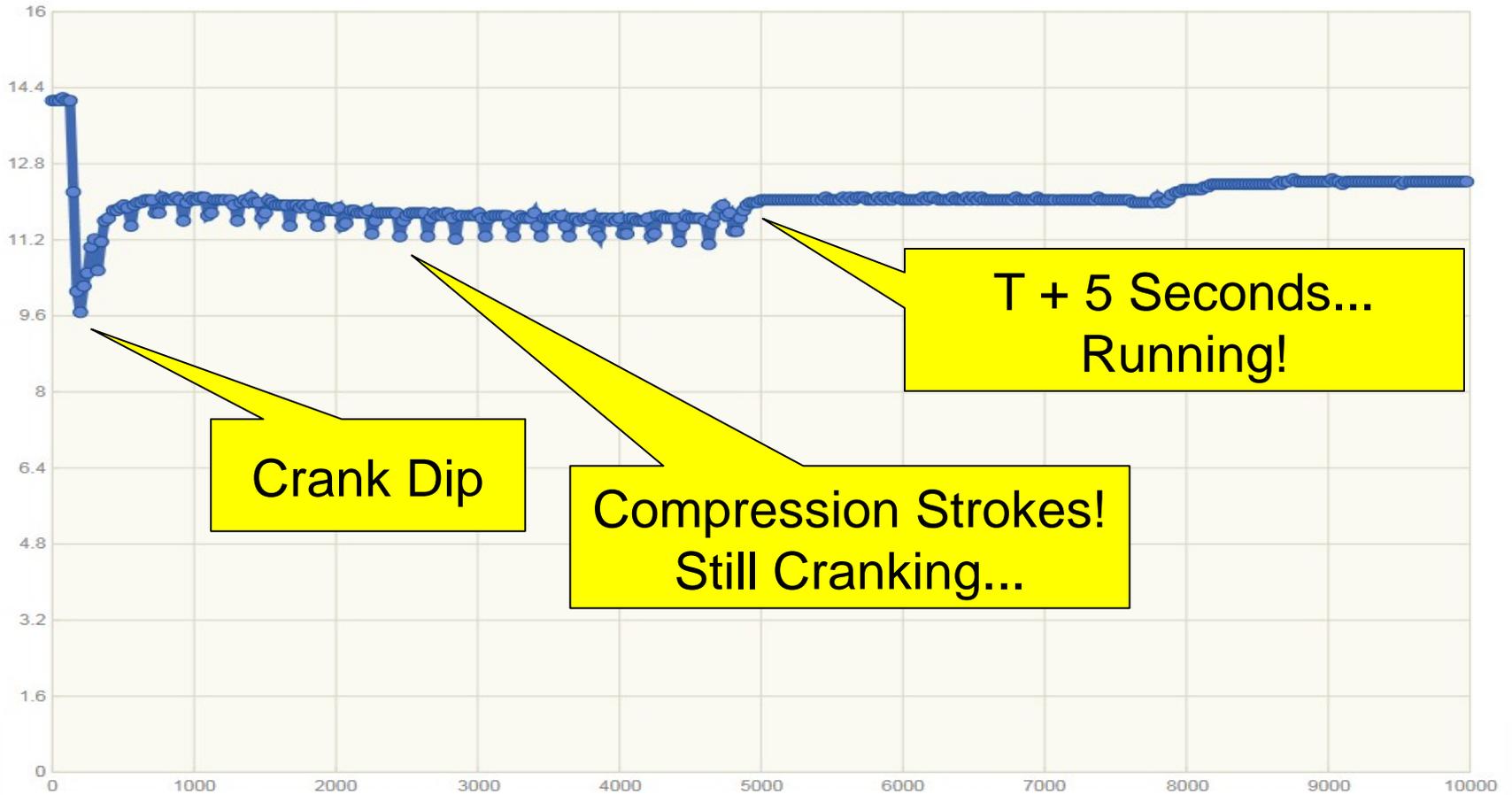
Custom Diagnostics



Battery Charger Failure



Battery Capacity During Crank

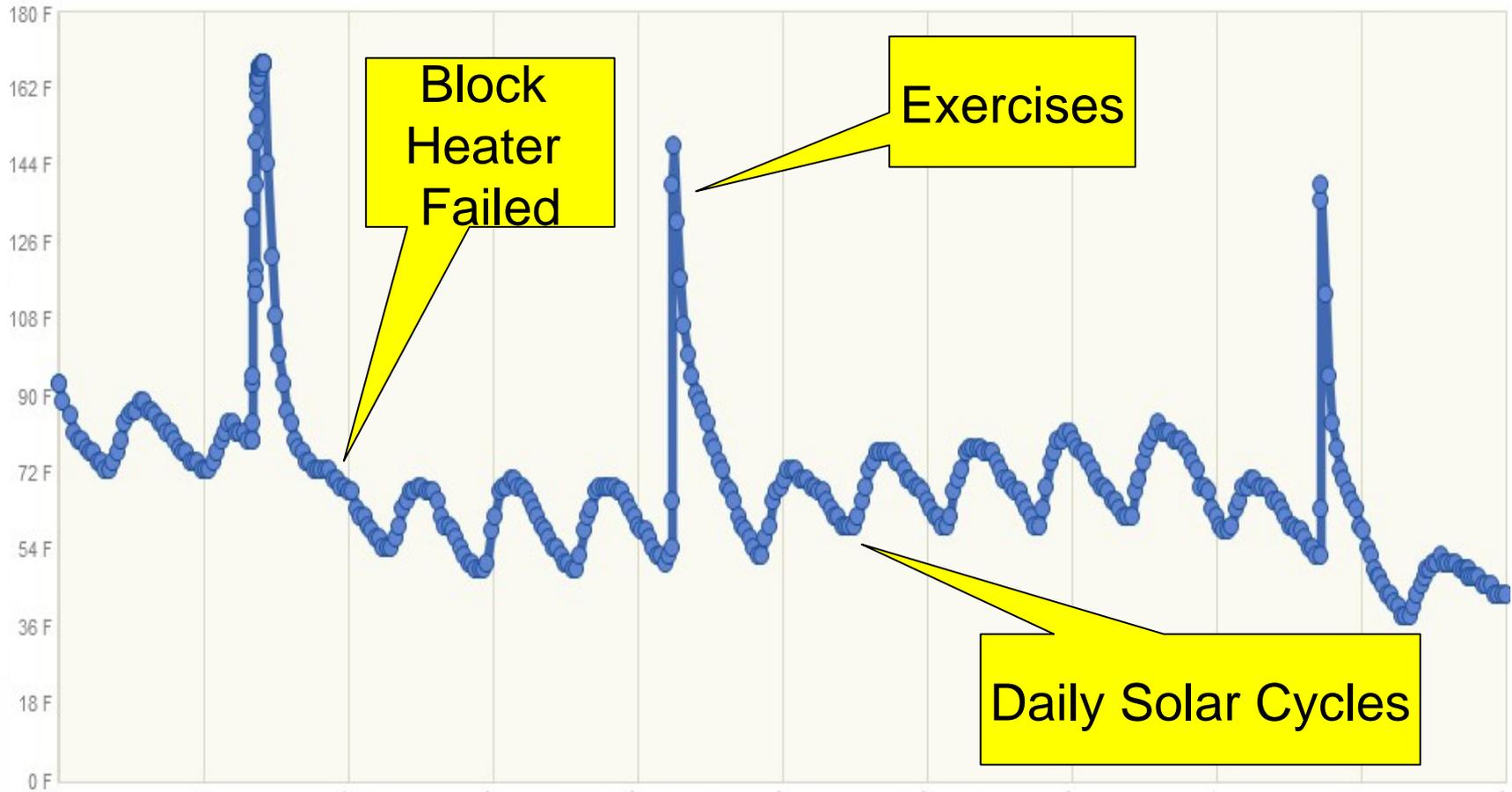


Diesel Fuel Consumption Rate



Extended Power Out -
3 Refuelings in 1 month
Rate = 10% / day

Engine Block Heater Coolant Temperature



OMNIMETRIX GENERATOR MONITORING SYSTEMS

OmniMetrix provides superior
features and capabilities

WHY SHOULD THE FCC AND THE PSHSB BE INTERESTED?

Our critical infrastructure for Public Safety and Homeland Security depends on reliable backup generators

Simply stated...OMNIMETRIX makes stationary and mobile generators more reliable

CRITICAL GENERATOR APPLICATIONS

- **Public and Government (all levels) Communications Systems**
- **Law Enforcement, Fire and Rescue, Emergency Management, 911**
- **Radio and TV Broadcast, emergency alert systems**
- **Hospitals, Nursing Homes, Surgical Centers, Dialysis/Specialty Clinics**
- **Public Utilities including Raw Water & Waste Water Pumping and Treatment**
- **Transportation Operations (Air, Rail, Road, Evacuation)**
- **Distribution and Supply of Food, Medical Supplies and Pharmaceuticals**
- **Distribution and Supply of Oil & Gas**
- **Mobile generators for support of these and other emergency response applications including those supported by FEMA**

Super Storm Sandy Examples

- Ocean County, NJ - All 37 backup generators that are monitored by OMNIMETRIX started and worked
- American Tower Corp – OMNIMETRIX monitors over 1000 generators at ATC cellular towers. Of the 51 sites with a backup generator affected by utility power loss, all 51 started and worked
- MANY other individual examples for commercial and residential customers



Keeping life's activities uninterrupted
through reliable connections.