///Application Profile//

Telematics for Municipal Emergency Generator Fleets

Remote Monitoring Solution Increases Preparedness & Sustainability

Cities, counties and municipalities often maintain a fleet of mobile generators for everyday portable power needs and for emergency preparedness. Keeping the generators ready to run at a moment's notice is a tough challenge, one that requires the right tools for the job. The equipment is often stored at several remote locations and may sit idle for months at a time. Dead batteries, low fuel, and other weather related degradation can severely reduce the readiness of the generators. On top of that, when an emergency hits and you need to deploy the equipment, it's difficult to keep track of how they're operating. Are there alarms that need attention? Are they low on fuel? Exactly where are they located right now? As a fleet manager, it's impossible to be several places at once.

The Solution

ZTR's InReach™ Remote Equipment Monitoring Solution can help to ensure the operational readiness of generator fleets and other mobile equipment, while reducing the manpower required to stay on top of things, both before and during an emergency.

One city on the east coast had a mixed fleet of Caterpillar® and Cummins Onan® generators. In this case, ZTR installed telematics control units and integrated all of the generators into a network operations center (ZTR's InReach web center) from which a number of tools are available for the city to use. With InReach, your fleet can consist of generators of any make or model and non-generator mobile equipment as well.

A daily report is emailed to the city operations staff summarizing activity for the previous day. Alarms are aggregated on the daily report so city staff can get a bird's eye view of everything that happened the day before and schedule maintenance as needed. They also receive immediate alarm notification on the parameters that are critical to generator operation.

Fleet location is tracked real-time using GPS. The InReach web center allows operators to map the entire fleet while drilling down to get details of a specific piece of equipment. In addition, the InReach eGate technology automatically tracks the run activity from the time the equipment leaves the storage yard and the time it returns. An email summary of run hours and fuel usage is automatically sent to the city staff when the generator returns.

The Results

This east coast city has greatly reduced the nagging problems that jeopardized the prepardness of their emergency generator fleet. Problems such as dead batteries, overdue maintenace, and low fuel have virtually been eliminated. The city Operations Manager uses the GPS tracking to locate generators in a matter of seconds, and is confident in his ability to successfully direct personnel during the next emergency.

For over 20 years, ZTR has been providing reliable monitoring and control solutions to a variety of rugged equipment industries.
Call us today at 952-233-4707 or email us today at connectedsales@ztr.com.