

## Generator Monitoring

City of Hot Springs, Arkansas

Hot Springs' utility department has 18 generator sites at treatment plants and pump stations. To help ensure the generators perform as needed, Brown Engineers configured a highly customized monitoring system for them all.

- Engine generators need regular scheduled exercise: are they getting it?
- Batteries, Oil, Coolant Level, Fuel: Is Maintenance keeping up?
- Unresolved alarms, even for minor conditions, can block a generator from starting during an outage. Monitoring reveals these issues at their onset, before they become a real headache.



### **“Reliable power is a MUST, not a want.**

We can't waste time troubleshooting generators when the power goes out. We have to KNOW they'll work when needed. This monitoring system gives us that confidence.”

Larry Merriman, Major Capital Projects Manager  
City of Hot Springs, Arkansas



### **Smart Alert Management Eliminates Message Overload**

Generator monitoring systems track and record lots of data, 24/7/365. That's great for reporting, but getting bombarded with alerts for all that data would be a real hassle. So, we write alert protocols that meet each client's precise needs for individual sites, individual people, and individual circumstances.

Hot Springs' generator AMS is programmed according to the utility's choices regarding several parameters:

- What merits an alert generally, specifically and per location
- Whom to notify, per specific location(s) and/or event(s)
- What format (email and/or text) to use for each recipient

All alerts and collected historical data are stored offsite on a secured server managed by Brown Engineers. Brown's SCADA team is copied on all alerts as an added layer of backup. When we see a noteworthy alert pop up, especially if it remains unacknowledged, we follow up personally with key city staff.

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