



Information Sharing Webinars for Healthcare Partners

THANK YOU FOR JOINING US TODAY FOR:

Contingency Planning
Utilities

'Keeping the Lights ON'



THE PRESENTATION WILL BEGIN SHORTLY

PLEASE REMEMBER TO:

Put phones on mute.

Complete provided roster



Contingency Planning Utilities

Keeping the Lights ON

CEUs / CMEs

- One CEU / CME is available at no cost to webinar participants.
- Registered participants can find further information and instructions for receiving CEU/CME credit on the program information sheet. In addition, the contact for each group will receive a roster to record signatures of attendees who want to receive CEU/CME credit.
- Please contact Debbie Kelley at Debbie.kelley@doh.state.fl.us or (850) 245-4444 Ext 2060 if you have any questions regarding the upcoming program.
- ****CEU/CME – Florida AHEC Network Program Disclosure**
- It is the policy of the Florida AHEC Network Office of Continuing Medical Education to insure balance, independence, objectivity and scientific rigor in all its individually sponsored or jointly sponsored educational activities. All faculty (presenters) and planners participating in any Florida AHEC Network sponsored activity are expected to disclose to the activity audience whether they or their spouse/partner have any real or apparent conflict(s) of interest that may have a direct bearing on the subject matter of the continuing education activity so that AHEC may resolve these conflicts appropriately. It remains for the audience to determine whether the speaker's outside interests may reflect a possible bias in either the exposition or the conclusions presented.

Introduction of Rod Allen Lee Memorial Health System

- Rod Allen, CHE, CHFM is the System Director of Plant Operations for Lee Memorial Health System located in Lee County. With 29 years of healthcare experience, Rod oversees 4 acute care facilities licensed for 1423 beds. He also oversees the operations of the 16 Offsite Properties and 1 Nursing Home for a total operational capacity of 2.7 million square feet.



Power outages in Florida are very common usually associated with thunderstorms which may only last a few minutes to a few hours, effects to the building occupants may be minimal but if it lasts longer are you ready





- There are many different types of facilities that house patients / residents in our state. When power is out for long periods and you are not prepared, you may find yourself having to evacuate due to simple things like no A/C. Taking time now to assess your risks, will help you know what to expect when the long outages occur.

Assess Your Building

- What is powered by your back up generator?
- Is it the entire building? Just a few outlets and maybe one A/C unit. If you are a hospital, will it shutdown surgery due to lack of A/C?
- Will your facility and reputation survive if you have to evacuate because you don't have utility power.
- Plan for this, don't react to it!!

Why two different colors of outlets?

- “Red” outlets are connected to your emergency power source (generator) while “Ivory” are not (usually)



Using "Red" outlets for only the items that must be powered.

- Under generator power it is essential to unplug those items that do not need to be powered, although the power required for this lamp is small they add up when you look at the entire system. Only plug in essential equipment.



Emergency Generators

- Are you prepared for the long run?



Emergency Generators

- Dual- fuel provides for extended run times.



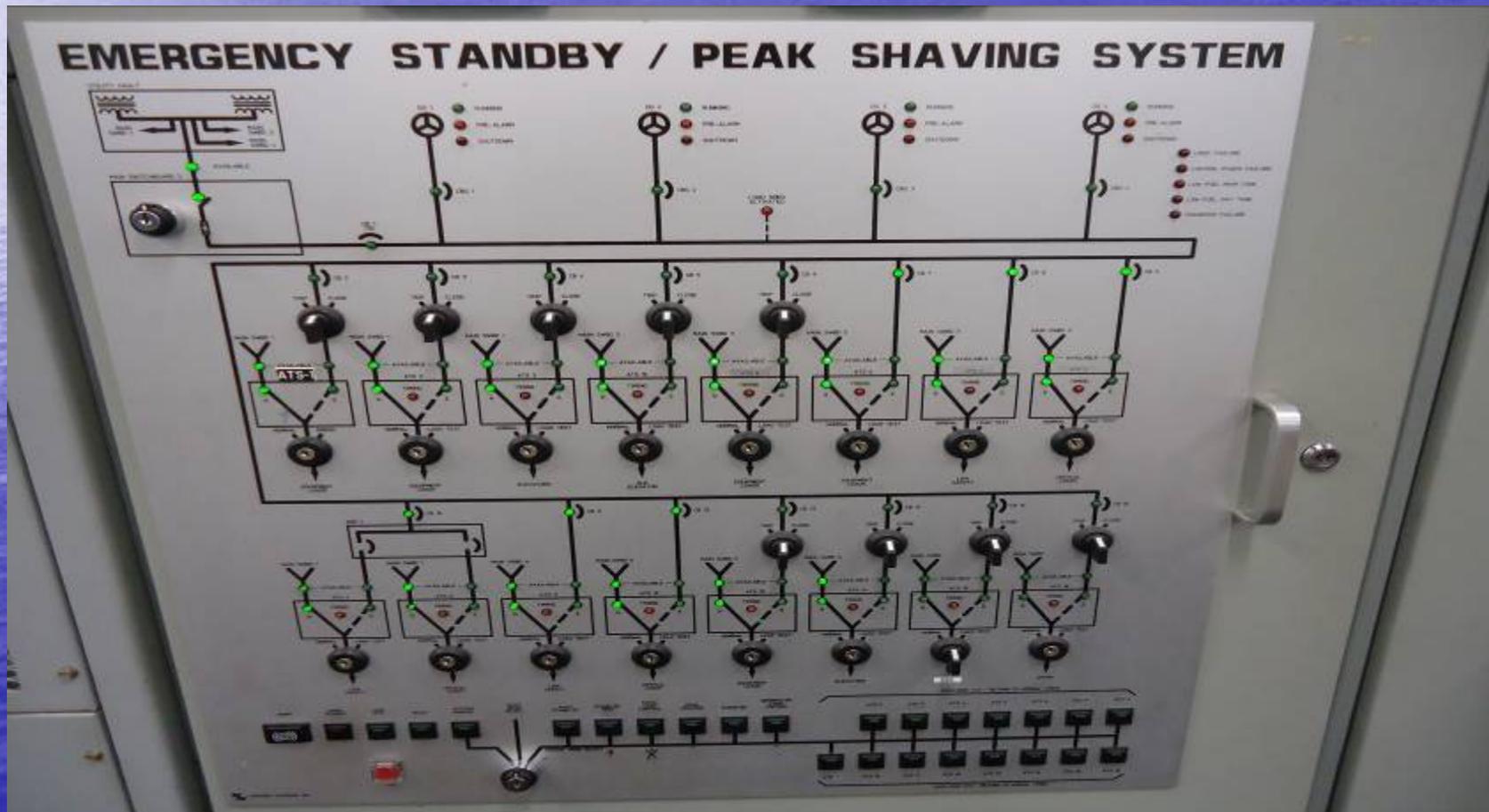
Dual –Fuel Controller

- Assure the system will monitor all the manufacturers perimeters.



Manual Switchgear Operations

- When you start getting low on fuel do you know which loads to start removing and in what order?



System Documents

- Don't wait until you need them, know where they are and assure you have folks that have in-depth knowledge of the contents. They are hard to read by flashlight!! Make sure you have the recommended spare parts in your inventory not your contractors!!



Fuel Supply Lines

- Look at your system and know it well. Do you have single point of failure for multiple generator systems?



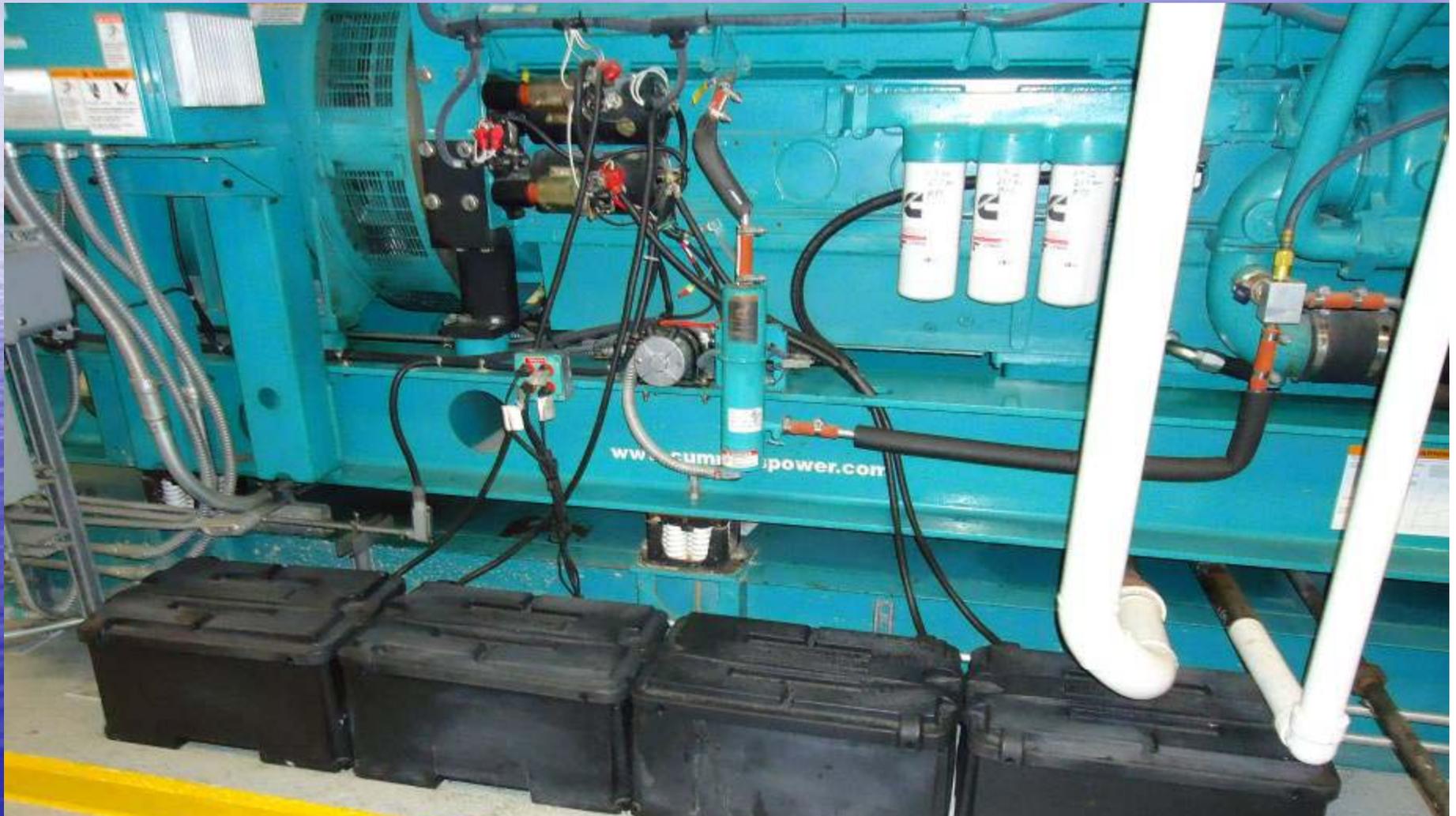
Look for installation issues for new systems.

- This solenoid valve was installed vertically, no problem except it won't work this way, must be horizontal. You find out once the day tank runs out of fuel. Bad time to find out!! Commission your new systems!!!



Generator Start Batteries

- How often do you change these? Make sure you have a good program after all it all comes down to starting!!



Distribution

- How does the power flow? Use a simple system to see in a moment where the sources are.



Generator Quick Connect

- If all else fails can you quickly plug in a temporary generator?



Portable Generator

- Assure you have the space and quick connects to attach to your system. It is wise to have agreements in place for rental units, if you are preparing for a storm most rentals are gone 5 to 10 days ahead of any landfall.



Chiller/Circulating Pumps Set

- Can you run your chillers and associated pumps? In Florida your building will begin 'sweating' in minutes.



Water Softeners

- Of course chillers like water. Have you met with your local utility to determine if their systems have back up power and how long it will last? What about your in-house pumps?



Medical Air Pumps.

- Some folks have water cooled equipment that may be powered by the generator but without water they don't work.



Vacuum Pumps

- Same with Vacuum pumps...



Alternate water supply for cooling towers

- Do you have a retention water source. Can you pump from it to your cooling towers? How about your sprinkler system pumps?



QUESTIONS?

Rod Allen, CHE, CHFM

**System Director of Plant Operations for
Lee Memorial Health System**

Rod. Allen@leememorial.org