

US EPA ARCHIVE DOCUMENT

## Cox, Kyndall

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**From:** John Packard <japackard@stec.org>  
**Sent:** Wednesday, January 28, 2015 4:18 PM  
**To:** Robinson, Jeffrey  
**Cc:** Cox, Kyndall; Jessica Schwab  
**Subject:** Re: Status update

Jeff,

Sorry I was tied up in a meeting earlier. To answer your question, the engines can be installed in different quantities. However our requirement for continuous generation (MWh) far exceeds the commercially proven capability of any energy storage facility in the world. Although not base loaded, peak winter or summer conditions can extend for multiple days at a time at 100% of the facility's capacity. Therefore, even if we did have some amount of energy storage associated with the facility, the run duration requirements would mandate that we install all 12 engines to meet our load obligations. Also, in the case of ancillary services, as those services are deployed, a energy storage facility would see a corresponding reduction in capability, resulting in grossly oversizing the storage to meet the duration of obligation we are anticipating based on our experience operating similar units.

I hope this helps. I am available on my cell phone if you would like to discuss.

John Packard  
South Texas Electric Cooperative  
2849 FM 447, PO Box 119  
Nursery, TX 77976  
P: 361.485.6320  
F: 361.485.6329  
M: 361.571.1312

On Jan 28, 2015, at 12:50 PM, Robinson, Jeffrey <[Robinson.Jeffrey@epa.gov](mailto:Robinson.Jeffrey@epa.gov)> wrote:

John:

Kyndall may have asked you in the past, but not sure, does STEC have any documentation that the Wartsila configuration you are proposing to build is a package plant that has a fixed design that would have to be built whether you were or were not considering battery storage? I really need to know how "hard" the Wartsila design configuration is in this case. I know they typically build these in 6 RICE unit configurations. So even if some battery storage were possible, you would still need to install all 12 units in your case. Please call Kyndall or I if you want to discuss.....as she mentioned, we are having a discussion this afternoon on our draft response to comments with HQ offices.

Jeff

**From:** Cox, Kyndall  
**Sent:** Wednesday, January 28, 2015 12:07 PM  
**To:** John Packard  
**Cc:** Robinson, Jeffrey  
**Subject:** Status update

John,

We have a call today to work out some issues related to the response to the first two comments, not the third that relates to the hours of operation. Our internal goal is to propose the final permit 2/6 if possible.

Thank you,

Kyndall Barry Cox  
Air Permits Section (6PD-R)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202  
Phone: 214.665.8567  
Fax: 214.665.6762  
E-mail: [cox.kyndall@epa.gov](mailto:cox.kyndall@epa.gov)