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Rizaldo,

On the one hand, I should learn to keep my mouth shut in those meetings because I do have difficulty expressing myself in ways that don't offend others. Please forgive for that, but I am trying to learn how to express certain complexities. (I suppose my Scotts ancestors were first to battle, running uphill into the fight; but no-have-way with words.)

In this case, I have significant comments to add; no more about biomass gasification.

Two (2) big needs for advancements, in my opinion:

- 1) Offshore wind-to-hydrogen, using floating platforms based on container ships.
- 2) A low-cost H2 Liquefaction Cycle that does not use costly electric power.

For example, please quickly review my attachment discussing offshore wind-to-H2. These issues may require more than one paragraph amended to an IEP report.

Would you recommend that I condense the 3-page attachment into a paragraph?

Same with thermoacoustic cryocooling: I have a good concept (that was discussed briefly in our last CPR) relative to linear motors powered by pulse-detonation methods.

See the RIX brochure attached that discusses thermoacoustic cryocooling. Existing turboexpanders are amazing; but expensive to build and operate, and there are limitations to their cycle use in liquefaction. (For example, any liquid-droplets that condense in the turbine would erode and then blow it apart.) However, thermoacoustic cryocooling methods used for a new H2 liquefaction cycle may be too complex for the comments sections. Is it meaningful to add two paragraphs on this topic?

Thank you for moderating. Again, speaking up in those meetings is not my forte, although I am trying to learn to contribute meaningfully.

dgt

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