

**Chang, Richard**

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**From:** Chang, Richard  
**Sent:** Monday, January 24, 2011 3:02 PM  
**To:** Gibson, Kathy  
**Subject:** RE: Discussion of Options for SOARCA/Level III PRA

Kathy,

I agree with this approach.

Thanks,  
Richard

**From:** Gibson, Kathy  
**Sent:** Friday, January 21, 2011 5:52 PM  
**To:** Scott, Michael; Chang, Richard; Santiago, Patricia; Tinkler, Charles  
**Subject:** Discussion of Options for SOARCA/Level III PRA

Mike and I met with Chris Lui and Doug Coe this morning to discuss conceptually the options for SOARCA and PRA Level III work for the future and timing of a paper to the Commission in light of the extension request for providing the SOARCA report.

I will attempt to summarize our discussion so we can continue to have internal DSA discussions on this matter and support completion of this task.

We agreed that there are essentially 3 parallel options for each:

Do complete SOARCA for one or more additional plants  
Do limited SOARCA for selected scenarios, for example  
Do no more SOARCA

Do full PRA Level III for one or more plants  
Do limited PRA Level III  
Do nothing further on PRA Level III

We would acknowledge that there are various combinations of the above (eg from no SOARCA and no PRA Level III to full SOARCA and full PRA Level III).

The staffs recommended approach would be limited PRA Level III supplemented with limited SOARCA analyses as needed. The approach would attempt to integrate the pieces and tools needed for a site(external events, multiple units, low power/shutdown, etc) Level III PRA (including SOARCA methodologies) that we currently have available, identify gaps, and develop a plan to fill gaps that we think would be useful for regulatory decision-making. The options for a site could include a current operating site, advanced reactors, or SMRs.

We agreed that we needed to articulate up front the regulatory need that would be fulfilled by the approach that we would propose.

We agreed that we would like to complete the paper and have it to the Commission this summer to coincide with FY13 budget decisions. We anticipate that we have to have a plan thought out to

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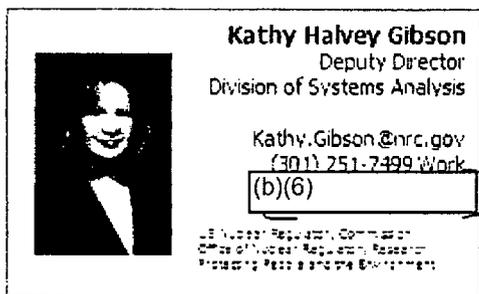
support budget formulation and management and the Commission is likely to ask questions about this absent a paper. So a paper to support the budget seems to be our best strategy to get solid decisions and resources for follow on work.

We acknowledged that we are significantly staff limited in the SOARCA area with regard to writing this section of the paper in parallel with completing the SOARCA project on a outrageously aggressive schedule. Mike and I thought that we plus Pat could write a draft that staff could review and comment on to minimize staff time away from SOARCA – also recognizing that if this part was done early, it would not take staff time toward the end of the project when writing the final SOARCA SECY.

DRA has taken the action to draft an outline consistent with these discussions that we would discuss with Brian and Jennifer toward the end of next week.

Mike, please add information or clarify if you heard something different from the above.

Others, please comment on this approach. Our goal is to have an approach outlined in the paper that both divisions are satisfied with. I felt that DRA was receptive to our views and concerns and Mike and I did our best to understand their views and concerns.



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