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**To:** [Chu, Shannon](#); [Letitia Midmore \(lmidmore@epri.com\)](#)  
**Cc:** ["Chopra, Omesh K."](#); ["yogen garud"](#); ["Dyle, Robin"](#); [Csontos, Aladar](#); [Tregoning, Robert](#)  
**Subject:** NRC/ANL PRELIMINARY Fen Calculations for Review  
**Date:** Wednesday, January 11, 2012 8:30:00 AM  
**Attachments:** [Stepped-Pipe\\_Fen-Calc1.xls](#)

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Shannon/Letitia:



As previously discussed during the November EPRI EAF Advisory Panel meeting in St. Louis, attached for distribution to the EPRI EAF Advisory Panel is a set of calculations that NRC/ANL have put together as a part of our current research efforts to validate the  $F_{en}$  expressions. Please note that these calculations are PRELIMINARY in nature and should not be construed as being a formal position of the NRC. In the interest of receiving feedback from interested stakeholders, we are providing these calculations for public review.

As noted by the e-mails Letitia forwarded to me over a several week period late last year, most of the members of EPRI's EAF Advisory Panel expressed interest in reviewing these calculations. Therefore, please send this e-mail and the attachment to the entire EAF Panel distribution list. Also feel free to distribute them to any other interested stakeholders.

We are looking for the following:

- Interested stakeholders should provide the results of their independent review and/or comments to me via e-mail no later than January 31, 2012.
- As indicated in the attached spreadsheet, these calculations are ONLY intended to validate the  $F_{en}$  expressions currently under development by the NRC and ANL (as presented at previous ASME Code and EAF Panel meetings). As such, we are not evaluating the methodology specified for calculating CUF in Section III of the ASME Code. (I wanted to clarify this point as there have been several e-mails recently that focus on apparent over-conservatism in the ASME Code process, and we are not evaluating that issue here.)
- We are particularly interested in any stakeholder feedback on the correctness of our evaluation (i.e., independent QA), as well as input on the most technically defensible temperature users feel is best to use in these calculations.

Feel free to contact me with any questions. We look forward to any feedback we may receive.

Regards,  
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