

## E-141 Q&A

Q: We would like the PMI of Fuels 3 and 4 expanded to a range of 0.2, say 1.5-1.7. Is that possible?

A: seems fine but would expand 0.05 units in each direction (1.45 - 1.65). Note that all fuels except F3 and F4 already use a range of 0.2. Also, it will be prudent to review and if necessary, update (tweak) the PMI and distillation specs with the latest RW 121 data, which I'm in the process of looking into

Q: We need some clarification on the two test methods that call for PME per NREL and YSI per NREL. Do we talk to NREL? Is there a contact to call?

A: The method that should have been cited here was [RW-107-3a](#). The contractor should use the [PME Calculator](#), (appendix A of to RW-107-3a) to calculate PME. Conveniently this calculator also has YSI terms, though mole fraction of each fuel component is needed to calculate a total YSI via

$$YSI_{\text{mix}} = \sum_j x_j \times YSI_j$$
. For reference NREL's, YSI database can be found here <https://ysi.ml.nrel.gov/>. Project leads can assist on the YSI calculation if needed.