From: [redacted]
To: erda.sm.DraftBlueprint
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In this era of certain power users that require abnormally large amounts of energy at one location, I think it is worth exploring to generate power using small power plants right at the user's facility but still tied into the grid. Transporting large quantities of energy for 100s of miles makes no sense.

Secondly, with that thought in mind in order to reduce fossil fuel usage, that consideration should be nuclear as these users are going to demand the power around the clock and not necessarily as the weather permits.

Back when I was getting my BSEE, power option, at University of Florida, circa 1973, it was already realized the the current (at the time) method of generating nuclear power was not sustainable. The mode at the time was large nuclear units all of which were custom made requiring very long regulatory periods, long construction timelines, great expense with overruns.

A solution coming on the scene was to build standardized smaller units that were of model A, B, or C, so to speak. All models were pre-approved by the regulators, standard price, and "mass" produced. The thought was they would be built on a special barge at a canal facility and then floated to their permanent home and have a permanent berm built around it. This would greatly reduce the overall cost and timeline.

Unfortunately, this was just about the time that the brakes were put on nuclear power. But, I think developing along this concept of a standardized nuclear power plant, pre-approved by regulators, its time might be here.

Just my thought for consideration.

Sincerely,

Harry J. Darling, PE