



HYBRID POWER TECHNOLOGIES LLC
January 12, 2019

John Monninger,
Director Division of Safety Systems, Risk Assessment, and Advanced Reactors
Office of New Reactors
US Nuclear Regulatory Commission
Washington, DC 20555

Subject: Hybrid-Nuclear Advance Reactor/ Pre-application Early Engagement/
Informational Submittal

Dear Mr. Monninger

Consistent with the guidance of NRC-2008-0237, *Policy Statement on the Regulation of Advanced Reactors*,

"To provide for more timely and effective regulation of advanced reactors, the Commission encourages the earliest possible interaction of applicants, vendors, other government agencies, and the NRC to provide for early identification of regulatory requirements for advanced reactors and to provide all interested parties, including the public, with a timely, independent assessment of the safety and security characteristics of advanced reactor designs. Such licensing interaction and guidance early in the design process will contribute towards minimizing complexity and adding stability and predictability in the licensing and regulation of advanced reactors."

Hybrid Power Technologies LLC is providing an informational submittal outlining key characteristics of our patented advanced reactor technology that integrates the use of nuclear and fossil fuels. The attached concept summary does not contain proprietary information and, although copyrighted, the material can be made available to the public.

By way of our future regulatory plans, we are submitting a grant proposal to the Department of Energy (US Industry Opportunity for Advanced Nuclear Technology Development, January 31, 2019 deadline) to develop our Quality Assurance program document. Our proposed approach is outlined in the Advanced Reactor Issues section of the attachment.

We believe some form of informal "drop-in" meeting to introduce ourselves would be useful after the NRC has had a chance to overview the attachment.

In closing, Hybrid Power Technologies LLC appreciates the opportunity to support early interaction involving our emerging US owned advance reactor technology and we look forward to meeting.

Kind Regard,

Michael F. Keller
President

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Hybrid Power Technologies LLC

Attachment: Hybrid Nuclear Concept dated January 2019, Rev. A