



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

September 29, 2021

Mr. Steve Vaughn
X-energy
801 Thompson Ave
Rockville, MD 20852

Dear Mr. Vaughn:

Thank you for your participation in the U.S. Nuclear Regulatory Commission's (NRC's) *Enabling Technologies for Digital Twin Applications for Advanced Reactors and Plant Modernization*. The workshop was part of the NRC's future-focused research on the regulatory viability of digital twins, sponsored by the Office of Nuclear Regulatory Research (RES).

Several hundred attendees, representing research, academic, industry, and regulatory organizations, participated in the 3-day workshop. Your participation was instrumental in providing a forum to discuss current and future applications of digital twins.

In the coming weeks, we plan to issue a summary report of the workshop and make the materials publicly available. Additionally, several reports covering topics such as technical challenges and regulatory readiness of digital twins will be issued and disseminated.

Thank you again. We look forward to continued partnership and important discussions with our stakeholders on this innovative topic.

Sincerely,

A handwritten signature in black ink, appearing to read "JB", written over a horizontal line.

Signed by Bowen, Jeremy
on 09/29/21

Jeremy Bowen, Deputy Director
Division of Engineering
Office of Nuclear Regulatory Research