



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

September 29, 2021

Dr. Matt Hertel  
X-energy  
801 Thompson Ave  
Rockville, MD 20852

Dear Dr. Hertel:

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