

2019-2020 RCC Work Plan: Small Modular Reactors

Canadian Department: Canadian Nuclear Safety Commission

U.S. Department/Agency: U.S. Nuclear Regulatory Commission

Regulatory Cooperation Statement: On August 15, 2019, a detailed memorandum of cooperation was signed between the President of the CNSC and the Chairman of the United States Nuclear Regulatory Commission (U.S. NRC) to enable detailed and specific cooperation on the regulation of activities involving small modular reactors (SMRs) and advanced reactor designs.

- [Read the CNSC announcement](#)
- [Read the U.S. NRC announcement](#)

Work Plan:

Initiative	Desired outcome(s)	Activities	Reporting
<p>Cooperation on the regulation of activities for SMRs and advanced reactor designs</p>	<p>Both regulators have aligned and/or complementary approaches to safe, efficient development and deployment of SMR and advanced reactor technology</p>	<p>Develop guidance for the content/review of new build licence applications for advanced reactors projects</p>	<p>Work plan finalized Started work – June 2020</p>
	<p>Canada and the U.S. acknowledge differences between their respective regulatory frameworks and licensing processes while leveraging fundamental scientific and engineering findings from other reviews to the extent practicable.</p>	<p>Cooperate in pre-application review activities pertinent to advanced reactors – Terrestrial Energy’s Integral Molten Salt Reactor</p>	<p>Work plan being developed</p>
	<p>Enhance the depth and breadth of understanding of the respective staff of the CNSC and U.S. NRC on the counterpart nation’s regulatory review activities and requirements; enhance joint opportunities for learning and understanding the advanced reactor and SMR technologies being reviewed</p>	<p>Share regulatory insights from the technical review of the NuScale SMR design certification review</p>	<p>Work plan finalized Started work – June 2020</p>
	<p>Enhance the depth and breadth of understanding of the respective staff of the CNSC and U.S. NRC on the counterpart nation’s regulatory review activities and requirements; enhance joint opportunities for learning and understanding the advanced reactor and SMR technologies being reviewed</p>	<p>Cooperate in pre-application review activities pertinent to SMRs</p>	<p>Work plan being developed</p>