

APPENDIX U

States with NRC Grant Award Recipients in Fiscal Year 2020

State	Amount Awarded	Type of Grant	Academic Institution	Title of Proposal
CA	\$500,000	Research and Development Grant	University of Southern California	Risk-informed Condition Assessment of Spent Nuclear Fuel Canisters Using Experimental Measurements and High-fidelity Computational Models
CO	\$400,000	Fellowship	Colorado State University	Colorado State University Health Physics Fellowship Program
FL	\$450,000	Faculty Development	University of Florida	2020 NRC Nuclear Engineering Faculty Development Program
FL	\$399,389	Fellowship	Florida International University	FIU Nuclear Fellowship Program: Expanding the Radiochemistry Ph.D. Track
FL	\$395,277	Fellowship	University of Florida	2020 NRC Graduate Fellowship Program at the University of Florida
FL	\$199,990	Scholarship	Florida Memorial University	Fostering Matriculation of Undergraduates in Nuclear Research and Collaboration
GA	\$499,927	Research and Development Grant	Georgia Institute of Technology	Experimental Investigation of Heat Transfer and Pressure Drop Characteristics of AHTR Channels
ID	\$398,050	Fellowship	Idaho State University	Idaho State University Nuclear Education Fellowship Program
ID	\$399,332	Fellowship	University of Idaho	Graduate Fellowships in Nuclear Engineering at the University of Idaho
IL	\$400,000	Fellowship	University of Illinois	University of Illinois at Urbana-Champaign Nuclear Engineering Education Fellowship Program
IL	\$500,000	Research and Development Grant	University of Illinois	Advancing Uncertainty Analysis Processes in Risk-Informed Regulatory Framework to Support Simulation Approaches for Aging Plants and Advanced Reactors
IN	\$450,000	Faculty Development	Purdue University	Purdue University Health Physics Faculty Development Plan
IN	\$398,092	Fellowship	Purdue University	Graduate Fellowship Program in Nuclear Materials at Purdue
KS	\$400,000	Fellowship	Kansas State University	Kansas State University (KSU) Nuclear Engineering Fellowship Program (NEFP)
KS	\$418,161	Research and Development Grant	Kansas State University	Addressing Technical Knowledge Gaps for Concrete Creep, Creep Recovery, and Creep Fracture
MA	\$450,000	Faculty Development	University of Massachusetts - Lowell	Faculty Development Program for Radiochemistry and Radiological Health Physics at the University of Massachusetts Lowell
MA	\$450,000	Faculty Development	Worcester Polytechnic Institute	WPI Nuclear Science and Engineering (NSE) Faculty Development Program
MA	\$400,000	Fellowship	University of Massachusetts - Lowell	Fellowship in Nuclear Engineering and Health Physics at the University of Massachusetts Lowell
MD	\$500,000	Research and Development Grant	University of Maryland	Improving Foundational Knowledge of Dependency in Human Reliability Analysis
MD	\$383,061	Research and Development Grant	University of Maryland	Application of Advanced and Hybrid Risk Tools in External Hazard PRA: Challenges and Opportunities
MI	\$500,000	Research and Development Grant	University of Michigan	High fidelity modeling and experiments to inform safety analysis codes for heat pipe microreactors

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States with NRC Grant Award Recipients in Fiscal Year 2020 (continued)

State	Amount Awarded	Type of Grant	Academic Institution	Title of Proposal
MO	\$450,000	Faculty Development	University of Missouri - Columbia	University of Missouri-Columbia Radiochemistry Faculty Development Program
MO	\$200,000	Scholarship	Missouri University of Science and Technology	Undergraduate Scholarships in Nuclear Engineering at Missouri S&T (2020-2022)
NC	\$500,000	Research and Development Grant	North Carolina State University	OECD/NRC Liquid Metal Fast Reactor (LMFR) Core Thermal-Hydraulic Benchmark for Verification, Validation, and Uncertainty Quantification(VVUQ) of Sub-Channel and Computational Fluid Dynamics (CFD) Codes
NJ	\$199,396	Scholarship	Thomas Edison State University	Thomas Edison State University Scholarship Program for Qualified Students Matriculated in Nuclear Energy Engineering, Electronics Systems Engineering Technology, Radiation Protection, Cyber Security, and Information Technology Degree Programs
NV	\$499,912	Research and Development Grant	University of Nevada – Reno	A Self-Powered Platform to Measure and Report Spent Nuclear Fuel Package Temperatures during Transport without Containment Boundary Penetrations
NY	\$500,000	Research and Development Grant	Rensselaer Polytechnic Institute	Development of a Modular Paradigm to Enhance Monte Carlo Neutronics for NRC Comprehensive Reactor Analysis Bundle (CRAB)
NY	\$200,000	Scholarship	Rensselaer Polytechnic Institute	Enabling Strong Growth of the Nuclear Engineering Undergraduate Scholarship Program
OH	\$187,105	Scholarship	Case Western Reserve University	ThinkEnergy, ThinkNuclear: The Next Generation of ThinkEnergy Scholars
OR	\$400,000	Fellowship	Oregon State University	Oregon State University Nuclear Science and Engineering Fellowship Program
OR	\$500,000	Research and Development Grant	Oregon State University	Dynamic Risk Assessment for Nuclear Cybersecurity
PA	\$450,000	Faculty Development	University of Pittsburgh	Pitt Nuclear Engineering Faculty Growth and Development
SC	\$400,000	Fellowship	University of South Carolina	University of South Carolina Next Generation Nuclear Engineering Fellowship Program
TN	\$450,000	Faculty Development	University of Tennessee	Faculty Development Program in Nuclear Data at the University of Tennessee
TX	\$450,000	Faculty Development	Texas A&M University	Texas A&M Nuclear Engineering Faculty Development Program
TX	\$300,000	Faculty Development	University of Texas at San Antonio	UTSA Faculty Development in Cybersecurity of Digital I&C in Nuclear Power Plants Research and Education
TX	\$500,000	Research and Development Grant	Texas A&M University	Heat Transfer Experimental and Computational Data for Molten Salt Reactors Applications
TX	\$450,000	Research and Development Grant	Texas A&M University	Assessment of TRACE Thermal-Hydraulic System Code for the Prediction of the Reactor Cavity Cooling System Behavior and Performance
TX	\$158,040	Scholarship	University of Texas at Austin	NRC Scholarship at the University of Texas
VA	\$450,000	Faculty Development	Virginia Commonwealth University	Virginia Commonwealth University Faculty Development Program in Advanced non-LWR Nuclear Reactor Design and Thermal Hydraulics

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States with NRC Grant Award Recipients in Fiscal Year 2020 (continued)

State	Amount Awarded	Type of Grant	Academic Institution	Title of Proposal
VA	\$499,517	Research and Development Grant	Virginia Polytechnic Institute	Non-dimensional Analysis of Density-Wave Instabilities and Dryout-Rewet Cycles during an ATWS
WA	\$150,000	Trade & Community College	Columbia Basin College	Columbia Basin College Nuclear Scholarship Program
WI	\$450,000	Faculty Development	University of Wisconsin - Madison	University of Wisconsin-Madison Faculty Development Program in Nuclear Engineering
WI	\$499,991	Research and Development Grant	University of Wisconsin – Madison	Understanding Microstructure-Mechanical Behavior Relationships in Coated Cladding Accident Tolerant Fuel (ATF) Concepts for Used Fuel Storage and Transportation
WI	\$200,000	Scholarship	University of Wisconsin - Madison	University of Wisconsin-Madison Undergraduate Scholarship Program in Nuclear Engineering

