

117TH CONGRESS } HOUSE OF REPRESENTATIVES { REPORT
1st Session } 117–98

ENERGY AND WATER DEVELOPMENT AND RELATED
AGENCIES APPROPRIATIONS BILL, 2022

JULY 20, 2021.—Committed to the Committee of the Whole House on the State of
the Union and ordered to be printed

Ms. KAPTUR, from the Committee on Appropriations,
submitted the following

R E P O R T

together with

MINORITY VIEWS

[To accompany H.R. 4549]

The Committee on Appropriations submits the following report in
explanation of the accompanying bill making appropriations for en-
ergy and water development for the fiscal year ending September
30, 2022, and for other purposes.

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does not offer a useful and timely companion to the budget. The Committee reiterates the fiscal year 2021 direction and expects to receive timely updates on the status of any new and existing taskings, studies, and assessments.

SECURE TRANSPORTATION ASSET

The Secure Transportation Asset (STA) program provides safe and secure transportation of nuclear weapons, weapon components, and special nuclear material throughout the nuclear security enterprise. The STA workforce includes federal agents and program management staff.

INFRASTRUCTURE AND OPERATIONS

Infrastructure and Operations provides funding for the base operations, maintenance, and recapitalization of the NNSA's facilities and infrastructure.

The NNSA is encouraged to accelerate activities necessary to prepare the Beta-4 facility at Y-12 for deactivation and demolition as it moves forward with the West End Protected Area Reduction project.

LEGACY CONTRACTOR PENSIONS

The Committee provides \$78,656,000 for payments into the legacy University of California contractor employee defined benefit pension plans.

DEFENSE NUCLEAR NONPROLIFERATION

Appropriation, 2021	\$2,260,000,000
Budget estimate, 2022	1,934,000,000
Recommended, 2022	2,340,000,000
Comparison:	
Appropriation, 2021	+80,000,000
Budget estimate, 2022	+406,000,000

DEFENSE NUCLEAR NONPROLIFERATION

Funding for the Office of Defense Nuclear Nonproliferation is provided across five programs: Global Material Security, Material Management and Minimization, Nonproliferation and Arms Control, Defense Nuclear Nonproliferation R&D, and Nonproliferation Construction.

In concert with the NNSA's efforts to implement a safe, secure, and cost-effective approach to dispose of surplus plutonium, the Committee encourages efforts to engage the interagency and international partners as appropriate on mutually beneficial plutonium disposition protocols.

Global Material Security.—The recommendation includes not less than \$38,000,000 for the Green Border Security Initiative within the Nuclear Smuggling Detection and Deterrence program. The Committee recognizes the importance of improving the security of border crossings to prevent nuclear smuggling and accelerating partnerships, particularly within Eastern Europe. Within available funds for Domestic Radiological Security, the recommendation provides not less than \$25,000,000 for the Cesium Irradiator Replacement Project. The Committee notes the importance of accelerating

the removal of cesium devices to permanently reduce the risk of terrorist use of a radiological dispersal device in the U.S.

Nuclear Smuggling Detection and Deterrence.—The Nuclear Smuggling Detection and Deterrence program plays a critical role in assisting partner countries to detect, disrupt, and investigate the smuggling of radioactive and nuclear materials. The Committee notes the critical importance of this program's efforts to recapitalize equipment as necessary to meet mission needs.

Defense Nuclear Nonproliferation Research and Development (DNN R&D).—The recommendation includes funding above the budget request to advance U.S. space-based capabilities to detect nuclear detonations. The Committee notes the importance of the University Consortia and Nonproliferation Stewardship programs and includes \$20,000,000 for the University Consortia for Nuclear Nonproliferation Research. The Committee supports the budget request for a new consortium, and the NNSA is encouraged to consider quantum-enabled nuclear security technologies for advanced nuclear systems as it works to establish a new consortium.

The fiscal year 2021 Act directed the NNSA to evaluate and brief the Committee on the establishment of a nuclear materials processing test bed capability to address proliferation concerns within the evolving civilian nuclear fuel cycle. The Committee is still awaiting this briefing and directs the NNSA to provide the briefing not later than 30 days after enactment of this Act.

The Committee supports the budget proposal to realign National Technical Nuclear Forensics R&D within DNN R&D. The fiscal year 2021 Act directed the NNSA to develop and brief the Committee on a threat-informed strategic plan for its National Technical Nuclear Forensics R&D work, with near- and long-term research and development milestones that have been coordinated with stakeholders, and describes how R&D, counterterrorism, and counterproliferation activities will be integrated. The Committee is still awaiting this briefing and directs the NNSA to provide the briefing not later than within 30 days after enactment of this Act. The NNSA is reminded that the plan shall evaluate potential mission need and benefits of establishing a low-background radiation laboratory capability with access to Category I special nuclear materials representative of both weapons and commercial uses to support activities such as accelerator-based photonuclear, neutron activation, chemistry and isotope separation, treaty verification, and technical capabilities enabling emergency response, including a cost estimate. The recommendation also includes \$20,000,000 within Nonproliferation Fuels Development to develop high-density, low-enriched fuels that could replace highly enriched uranium for naval applications.

NUCLEAR COUNTERTERRORISM AND INCIDENT RESPONSE

The NNSA's Nuclear Counterterrorism and Incident Response programs respond to and mitigate nuclear and radiological incidents worldwide to reduce the threat of nuclear terrorism.