

The Nevada National Security Site:

An integral part of the national security strategy in Southern Nevada

Presented to the Intergovernmental Meeting

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Organizational makeup: A National Security Partnership

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Operations in remote locations enable better integration with the national security laboratories



The NNSS is a unique national security resource

- The Site is located in Nye County
- Remote, spacious, highly secure outdoor laboratory
 - Ideally suited to conduct unique experiments
- Unmatched capabilities
 - Work conducted at the NNSS cannot be done anywhere else in the nation
- Technical expertise to advance nuclear deterrence, global security and fundamental science and technological solutions
 - Ability to rapidly design, develop and implement technological support



Helping ensure the security of the U.S. and its allies

- ▶ Supporting stockpile stewardship and management
- ▶ Supporting national security research
- ▶ Supporting national defense programs
- ▶ Providing emergency response capability and training
- ▶ Contributing to key nonproliferation and arms control initiatives
- ▶ Environmental management

Stockpile Stewardship



Cygnus radiographic machine at U1a

Global & Homeland Security



First Responder Training

Environmental Management

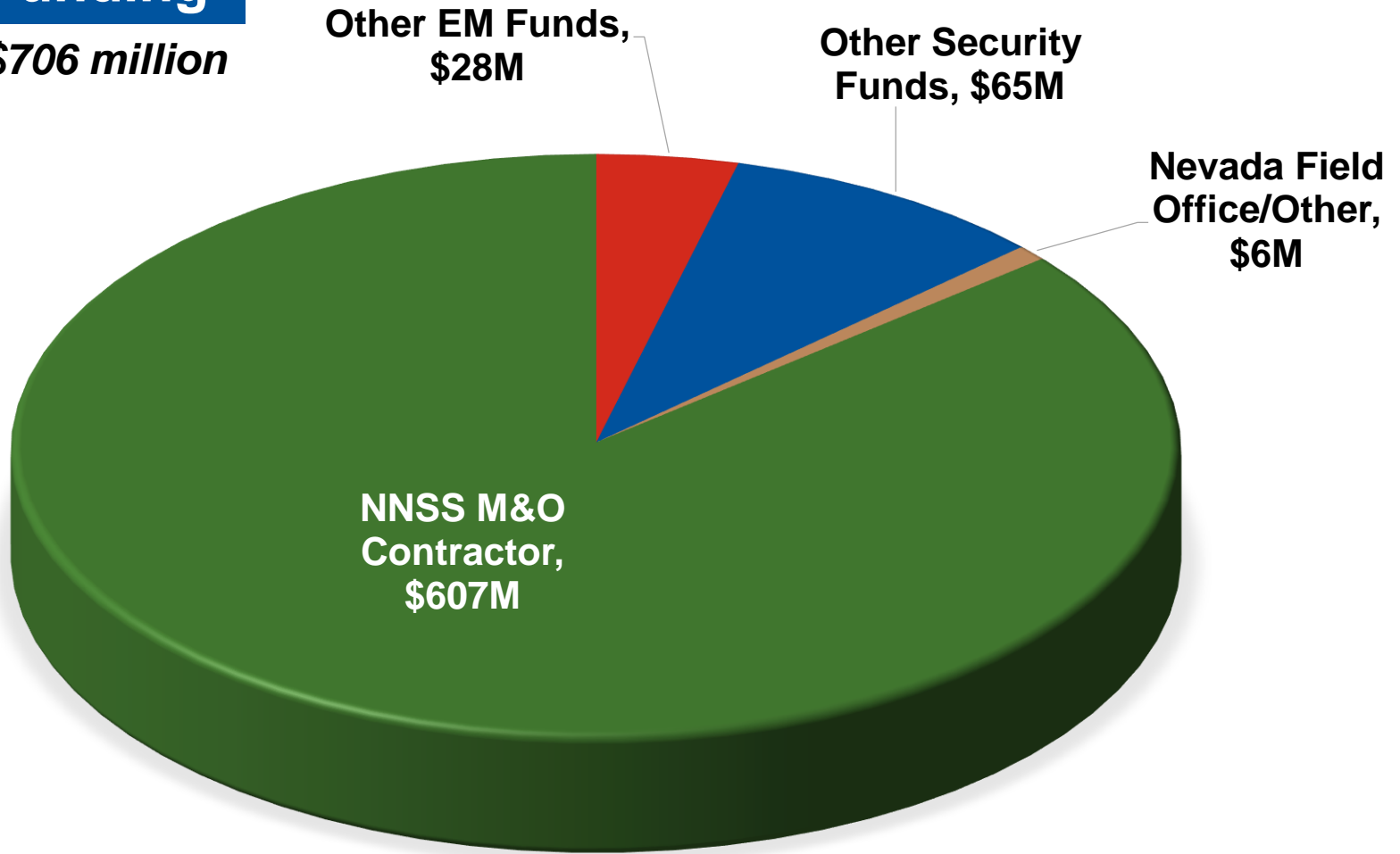


Stewardship of the NNSS Land

NNSS creates jobs and generates taxes for Southern Nevada

FY19 Funding

Total = \$706 million



Most of the funding stays in Nevada

NNSS' economic impact on Nevada

- ▶ Largest high-tech employer in the region
 - **3,000** technical, business, craft, and laborer jobs (contract and federal)
- ▶ **\$700 million** in funding from outside of the state
 - Nearly **\$420 million** in salaries and benefits paid (FY19)
 - **\$6 million** in taxes and fees paid (FY18)
 - More than **\$76 million** spent on procurement in Nevada (FY19)
- ▶ **\$3.5 billion** of maintained Infrastructure (replacement value)
- ▶ **\$1 billion** of direct, indirect and induced economic impact annually



NNSS actively promotes STEM within the Local Community



We want to be recognized as THE leading supporter of STEM in Southern NV

NNSS is committed to promoting STEM throughout Nevada



Partnering with Nevada Universities to Enhance STEM

UNR On-campus Partnership - *New*

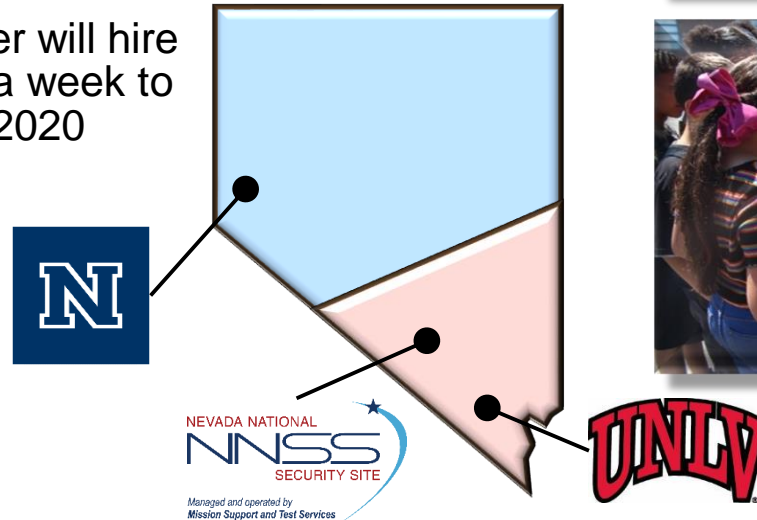
- NNSS will help the University invigorate its undergraduate and graduate STEM degree programs
- UNR will help NNSS reach Northern Nevada high school STEM students
- Increase R&D collaboration between UNR and NNSS
- UNR will expand the scope of their existing Nuclear Packaging program to include Transportation
- NNSS employment center will hire 30 students at 20 hours a week to perform direct scope by 2020

UNLV Partnerships - *Exiting*



SISTEM

STUDENT INTERACTIONS WITH SCIENCE,
TECHNOLOGY, ENGINEERING, AND MATHEMATICS



College Internship Program: the future is bright!



Student Programs

- ▶ 2019: 72 students from diverse backgrounds and majors
- ▶ Unique opportunities
- ▶ Mentorship
- ▶ Professional development



- ▶ Construction skilled workers are in high demand in the Las Vegas area
 - Estimated shortage is ~12,000
 - Large projects are being delayed

- ▶ Beta testing a collaboration with local building trade union
 - Take advantage of established MC3 program for High School seniors (last semester)
 - Offer internships to successful candidates
 - Internship includes opportunities to work in different trade disciplines
 - Successful candidate hired into our Apprenticeship slots

A career not just a job

NNSS initiatives are directly and indirectly encouraging STEM in Southern Nevada to enable our future workforce

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ELEMENTARY

- Children's Discovery Museum
- Tech Trekker



MIDDLE SCHOOL

- First LEGO League
- National Atomic Testing Museum Tours



HIGH SCHOOL

- First Robotics
- Science Bowl
- Skilled-Trade Sponsorships



TRADE SCHOOL

- Apprenticeships



UNDERGRADUATE SCHOOL

- Research
- Internships
- Part-Time Employment
- Capstone Projects
- Community STEM Education

GRADUATE SCHOOL

- Graduate Programs
- Post-Doc Collaborations



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