

Integrated University Program

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U.S. DEPARTMENT OF
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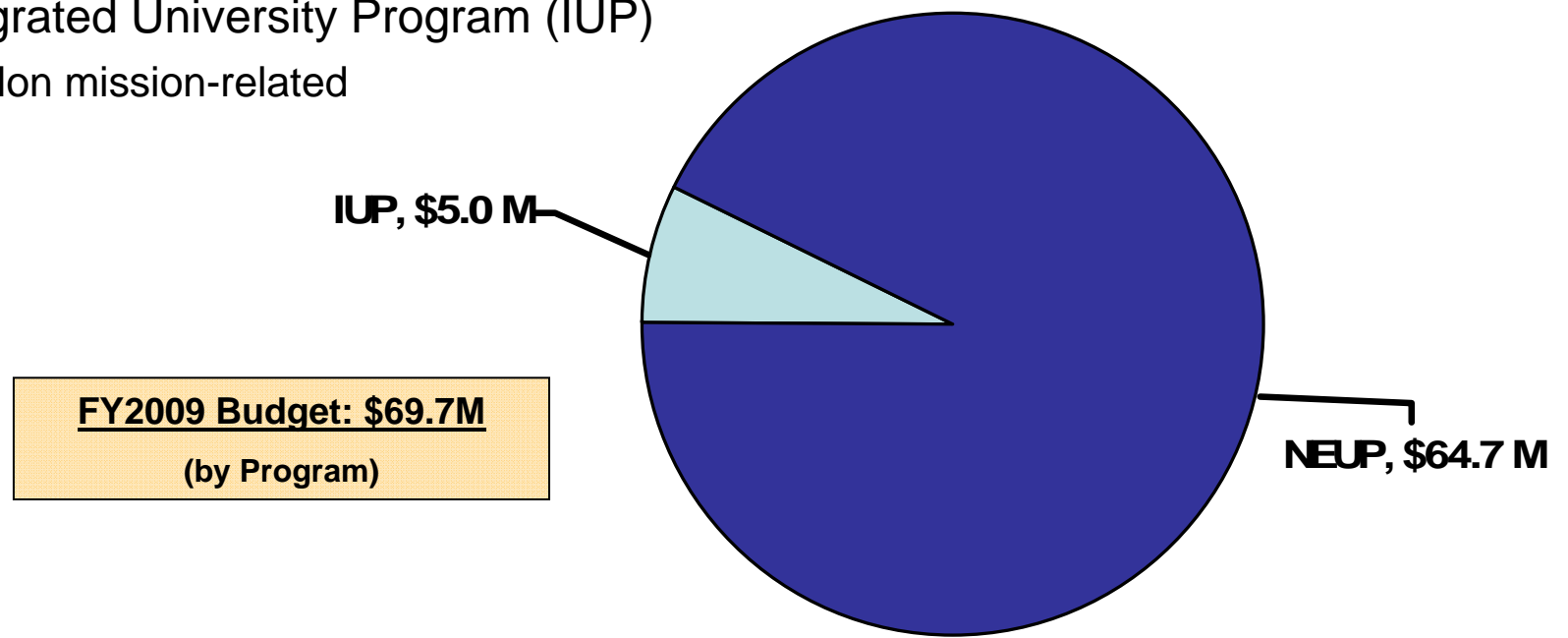
Nuclear Energy

DOE Office of Nuclear Energy University Support

◆ Funded by two sources of funds

- Nuclear Energy University Programs (NEUP)
 - » Mission-related (20% set aside)
- Integrated University Program (IUP)
 - » Non mission-related

Research & Development
Infrastructure
Scholarships & Fellowships



Integrated University Program: Background

- ◆ Identified in FY2009 Senate Energy and Water Report, stating Committee's concern about lack of stable support for nuclear engineering programs across the Nation
- ◆ Provides \$5 million to NE, \$15M each to Nuclear Regulatory Commission (NRC), and National Nuclear Security Administration (NNSA) to:
 - Perform university R&D in areas relevant to each organization's mission (\$10 million)
 - Establish Nuclear Science and Engineering Grant Program for R&D that is not mission-related but critical to maintaining nuclear science and engineering disciplines (\$5 million)
- ◆ NE will provide a report to Congress on how NE, NRC, and NNSA will coordinate Integrated University Program and provide stable source of funding for a Nuclear Science and Engineering Grant Program

Integrated University Program: Approach

- ◆ Coordinate with existing NE University Programs to prevent duplication of efforts and leverage management processes for R&D projects
- ◆ Partner with NRC and NNSA to define and implement Nuclear Science and Engineering Grant Program

Integrated University Program: FY 2009 Accomplishments

◆ Research and Development

- 9 IIR projects selected (\$4.55M total)
 - » Selections announced on May 6, 2009

◆ Fellowships

- 3 graduate fellowships selected \$150K for 3yrs. (\$450K total)
 - » Selections announced on June 17, 2009



Integrated University Program: Funding Profile (in \$000's)

| | FY 2009 Omnibus | FY 2010 Draft Budget Numbers* |
|--|----------------------------|--|
| Integrated University Program | \$5,000 | \$5,000 |
| University Research & Development | \$0 | \$0 |
| Nuclear Science & Engineering Grant Program | \$5,000 | \$5,000 |

** FY2010 allocations will be based on results of Congressional Report on Integrated University Program*

\$5 M will be funded to jointly implement a Nuclear Science and Engineering Grant Program in coordination with NRC and NNSA

Integrated University Program: Opportunities

Topics to consider for future collaboration include:

- ◆ Develop suitable metrics to measure progress and success
- ◆ Conduct a joint nuclear industry workforce needs analysis
- ◆ Perform an assessment of university research and development (R&D) infrastructure
- ◆ Coordinate university programs activities with other related federal agencies
- ◆ Develop a joint FY 2010 funding opportunity announcement

Summary

- ◆ **Universities play a significant role in supporting NE program goals, and nuclear science and engineering as a whole.**
- ◆ **The Office of Nuclear Energy (NE) is committed to collaborating with NRC and NNSA to help strengthen university educational programs and research and development.**
- ◆ **More information on NE's University Programs can be found at:**
 - www.nuclear.energy.gov



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