

Overview of the Nuclear Education Grant Programs

Program Overview

- Two Education Grant Programs: \$5M & \$15M
 - Energy Policy Act of 2005 - \$5M
 - Curricula Development
 - FY 2008 Language - \$15M
 - Integrated University Program (IUP)-
Scholarships, Fellowships, Faculty Development and
Trade Schools and Community Colleges

Curricula Development Program (\$5M)

- **2007:**
 - 26 awards in 17 States and D.C.
 - 8 to minority serving institutions
- **2008:**
 - 40 awards in 25 States, D.C. and Puerto Rico
 - 11 to minority serving institutions
- **2009:**
 - 43 awards in 23 States, D.C. and Puerto Rico
 - 9 to minority serving institutions
- **2010:**
 - 37 awards in 22 States
 - 7 to minority serving institutions
- **2011:**
 - 32 awards in 22 States and D.C.
 - 2 to minority serving institutions
- **2012: (NOTE: The agency received \$15M for all nuclear education programs, including curricula development.)**
 - 25 awards in 19 States
 - 4 to minority serving institutions
- **2013:** Eliminated due to sequestration.
- **2014: (NOTE: Carried over from FY 2013)**
 - 10 awards in 10 States
 - 3 to minority serving institutions
- **2015:** Program no longer funded.

Integrated University Program (\$15M)

- **2008:**
 - 49 awards (99 applications) in 19 states
 - 6 trade, 21 Faculty Development, 10 Scholarships and 12 Fellowships
 - 2 to minority serving institutions
- **2009:**
 - 59 awards (130 applications) in 25 states and Puerto Rico
 - 15 trade, 11 Faculty Development, 18 Scholarships, and 15 Fellowships
 - 7 to minority serving institutions
- **2010:**
 - 59 awards (113 applications) in 26 states and Puerto Rico
 - 19 trade, 16 Faculty Development, 10 Scholarships, and 14 Fellowships
 - 5 to minority serving institutions
- **2011:**
 - 12 Faculty Development awards in 11 states
- **2012:**
 - 50 awards (99 applications) in 25 states and Puerto Rico
 - 13 trade, 15 Faculty Development, 9 Scholarships and 13 Fellowships
 - 8 to minority serving institutions
- **2013:**
 - 48 awards (97 applications) in 24 states
 - 7 trade, 12 Faculty Development, 12 Scholarships and 17 Fellowships
 - 7 to minority serving institutions
- **2014:**
 - 49 awards (106 applications) in 23 states and Puerto Rico
 - 8 trade, 12 Faculty Development, 12 Scholarships and 17 Fellowships
 - 7 to minority serving institutions
- **2015:**
 - 46 awards (85 applications) in 23 states and Puerto Rico
 - 1 trade, 16 Faculty Development, 13 Scholarships and 16 Fellowships
 - 6 to minority serving institutions

FY 2016 Schedule

- Announcement issued: December 2015 (IUP only)
- Applications due: February 2016
- Peer reviews conducted: March 2016
- Awards issued: By August 1, 2016

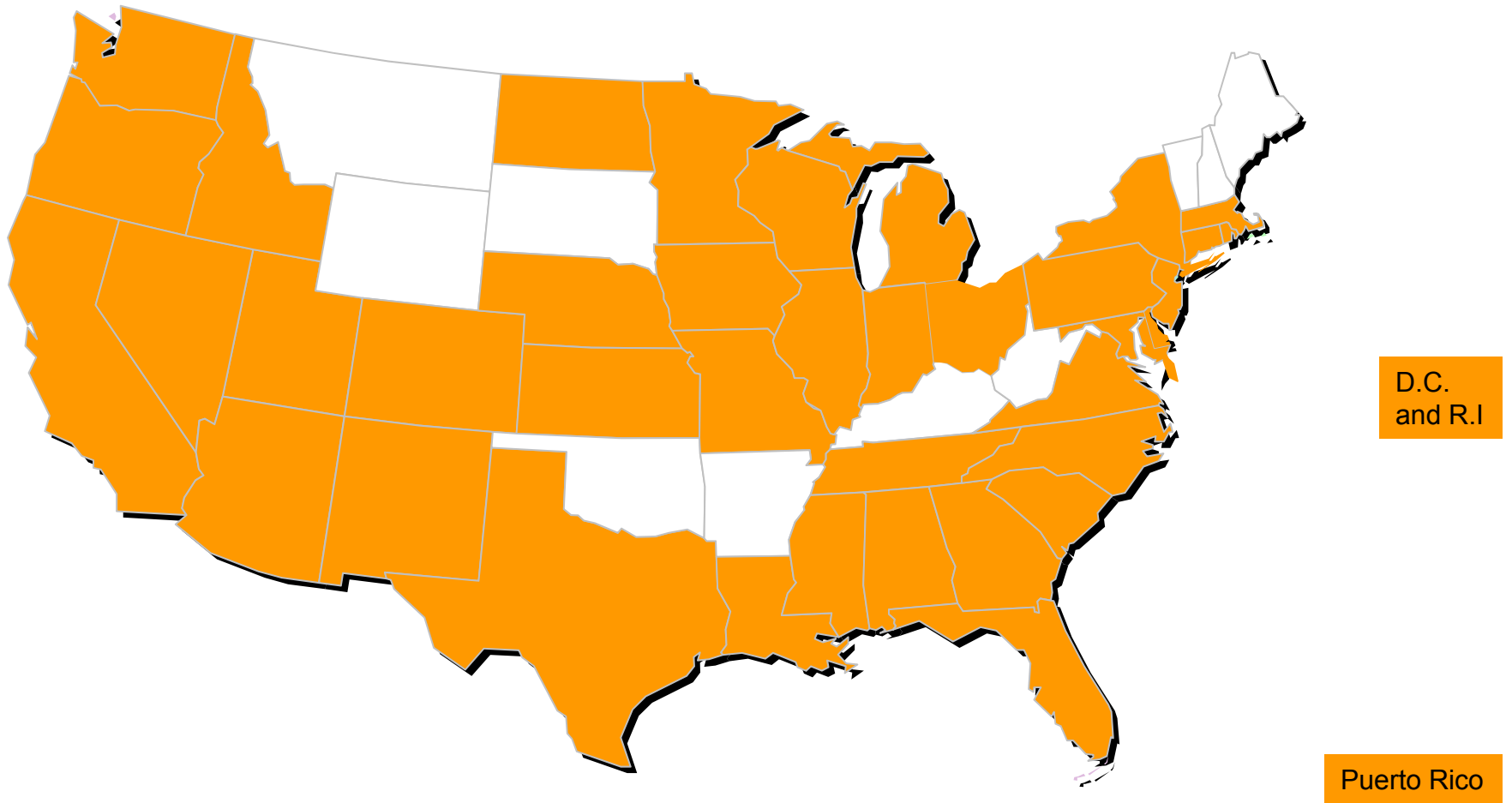
Program Highlights

- Has supported 144 institutions in 38 states, D.C. and Puerto Rico
- Emphasized participation of:
 - Trade schools and community colleges
 - Minority serving institutions
 - Health physics and radiochemistry
- 100 Faculty Supported
- Over 2,800 Students Supported by Scholarships/Fellowships
- Over 200 Courses Developed/Modified
- Continued cooperative work with DOE and NNSA on the Integrated University Program

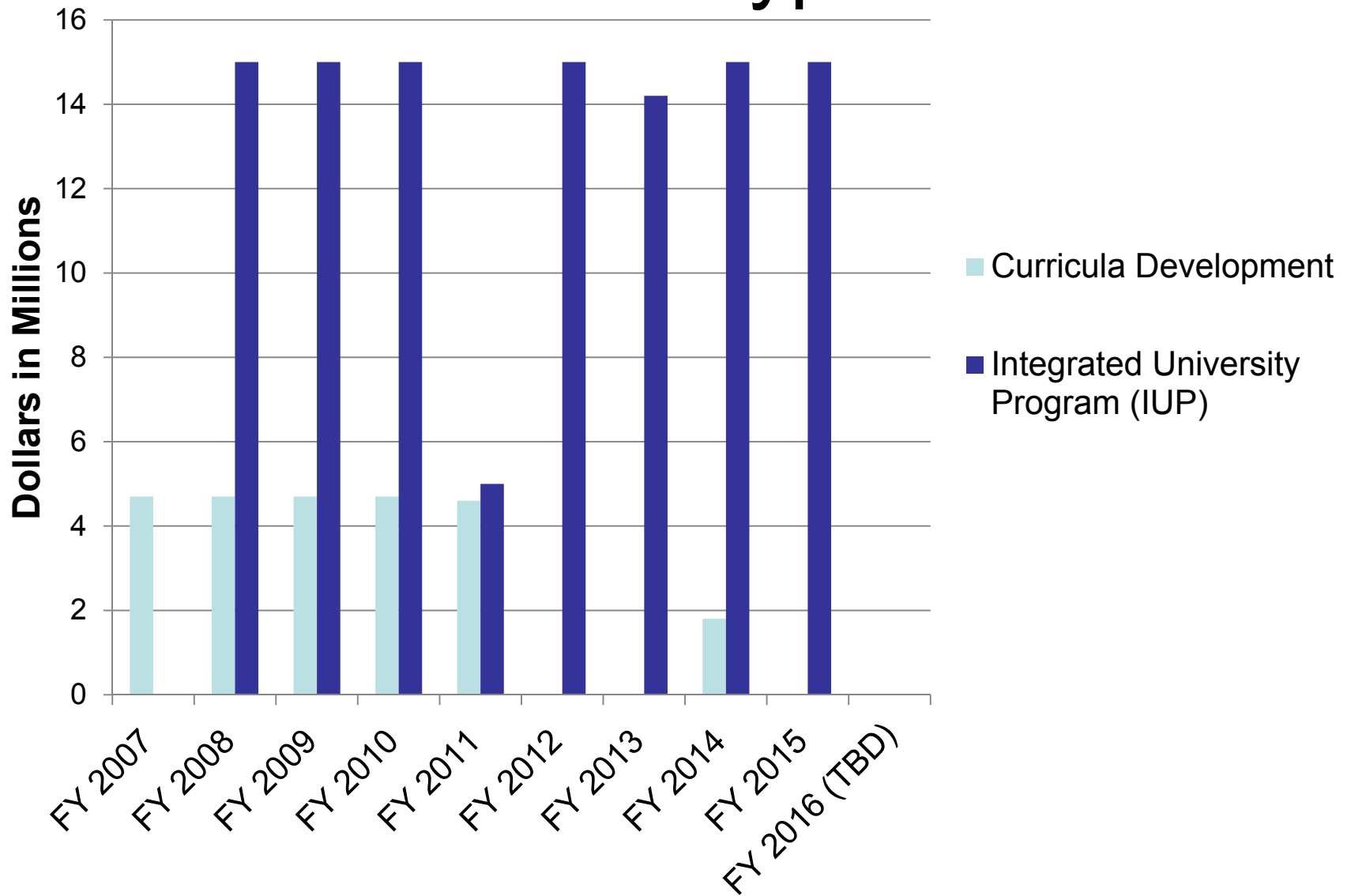
Summary

- The NRC grant program has:
 - Fostered excellent working relationships with educational institutions
 - Assisted in the development of a well-trained and needed workforce
 - Developed and is collecting performance metrics to measure the success of the program
 - Provided assistance to under-represented groups to improve their opportunity to receive NRC grants

38 States, D.C. and Puerto Rico Have Received NRC Grants



NRC Grant Funding History by Year/Grant Type



Performance Metrics Development

- The Office of Management and Budget (OMB) requested performance metrics be developed
- NRC, in a February 2010 report to OMB, used the Academic Competitiveness Council's guidelines, as suggested by OMB, to develop metrics for NRC education grants

Performance Metrics

- **Undergraduate (scholarship):**
- How many students have been sponsored by NRC funding?
 - Response is the number of students, for this reporting period and cumulative to the grant.
- How many students, supported by NRC funding, have received B.S. or equivalent degrees?
 - Response is the number of students, for this reporting period and cumulative to the grant.
- How many students, supported by NRC funding, have accepted a job and are employed in the nuclear industry?
 - Response is the number of students, for this reporting period and cumulative to the grant.
- How many students, supported by NRC funding, are continuing on to Graduate School in a field related to the nuclear industry?
 - Response is the number of students, for this reporting period and cumulative to the grant.

Performance Metrics – Con't

- **Graduate (fellowship):**
- How many graduate students have been sponsored by NRC funding?
 - Response is the number of students, for this reporting period and cumulative to the grant.
- How many students, supported by NRC funding, have received M.S. or equivalent degrees?
 - Response is the number of students, for this reporting period and cumulative to the grant.
- How many students, supported by NRC funding, have received Ph.D. or equivalent degrees?
 - Response is the number of students, for this reporting period and cumulative to the grant.

Performance Metrics – Con't

- **Graduate (fellowship):**
- How many students, supported by NRC funding, have accepted a job and are employed in the nuclear industry?
 - Response is the number of students, for this reporting period and cumulative to the grant.
- How many items have students produced, for example, Professional Journal articles, publications, patents, or conference reports?

Performance Metrics – Con't

- **Faculty Development:**
- How many faculties have been sponsored by NRC funding?
 - Response is the number of faculty, for this reporting period and cumulative to the grant.
- How many items have faculty produced, for example, Professional Journal articles, publications, patents, or conference reports?
 - Response is the type and number of items, for this reporting period and cumulative to the grant.
- **Curriculum Development:**
 - Overall number of new courses developed in NRC-designated STEM areas (including the names of the courses)
 - Number of students enrolled in STEM courses
 - Number of those enrolled students retained in STEM major