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United States Nuclear Regulatory Commission

Protecting People and the Environment

NRC Perspective: 2013 TRTR Conference

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Office of the Executive Director

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Key NRC Priorities

- Fukushima
- Waste Confidence (ML131224A106)
- Cyber Security (10 CFR 73.54)
- Cumulative Effects of Regulations
- Small Modular Reactors
- Safety Culture

Budget, Hiring, and Grants

- Budget and Sequestration
- NSPDP and 2014 summer vacancy is posted on USAjobs
  - Summer internship posting closes the 18th of November
  - NSPDP closes the 19th of November
- Grants webpage:

  http://www.nrc.gov/about-nrc/grants.html

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Types of Grants Awarded in 2013

- **Scholarships**
  - For undergraduate students; Max $10,000 each
  - 2 years/up to $200,000 to the institution
- **Fellowships**
  - For graduate students; Max $50,000 each
  - 4 years/up to $400,000 to the institution
- **Faculty Development**
  - For probationary, tenure-track faculty during the first 6 years of their career and new faculty hires
  - 3 years / up to $600,000 to the institution

    ($450,000 from NRC; $150,000 institution match)

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FY 2013 Grant Awards

- 48 TOTAL AWARDS:
  - 12 Scholarships
  - 17 Fellowships
  - 7 Trade School/Community College Scholarships
  - 12 Faculty Development

- Awards posted to Grants webpage:
  - http://www.nrc.gov/about-nrc/grants/awards.html

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Plans for FY 2014

- FY 2013 grants were issued on August 1, 2013; Curriculum grants were not awarded due to sequester
- Funding is uncertain for FY 2014---The deadline has not been established. The announcement will probably be posted on grants.gov in October; deadline will be 30-60 days later.
- Current FY 2014 House budget language includes direction to NRC to fund $15M for the all but curriculum grants
- FY 2014 may be affected by a proposed Federal Reorganization of STEM Education
  - Includes NRC's scholarships, fellowships, and curriculum development grant programs (may not include faculty development)

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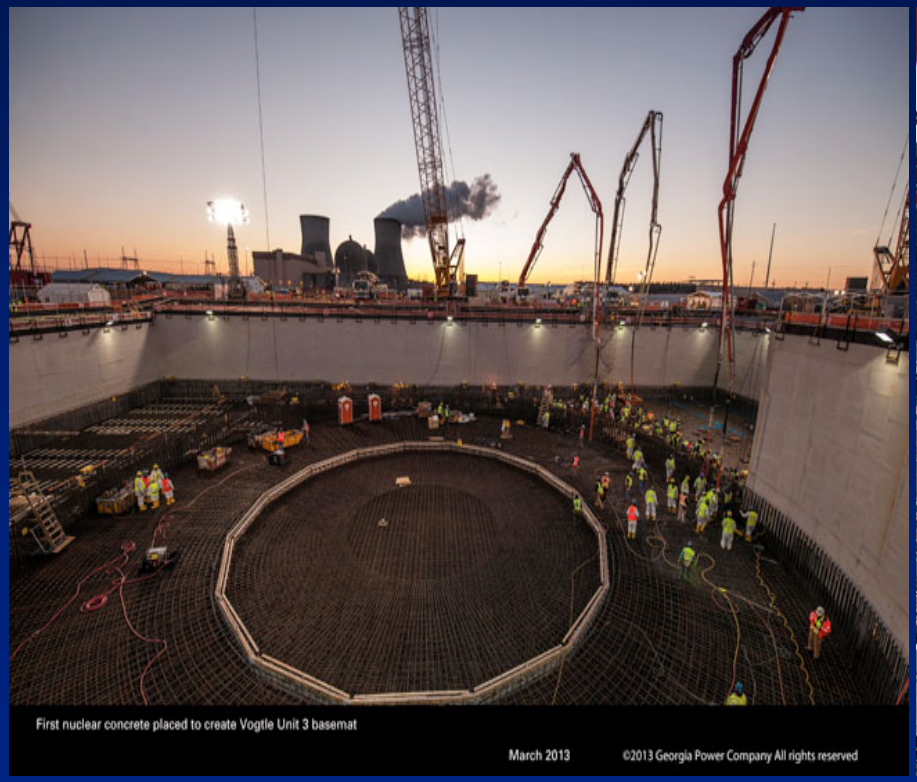
Focus Areas
Special Interest Facilities

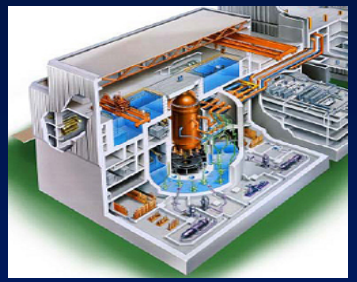
- San Onofre
- Fort Calhoun
- Honeywell
- Palisades
- Kewaunee/ Crystal River
- Vogtle/Summer

Vogtle and Summer Concrete Pour

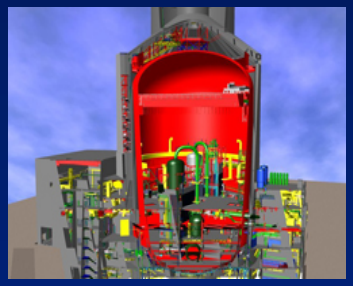


Summer - Concrete Pumps Placement

New Nuclear Plant Construction and Licensing Activities Worldwide



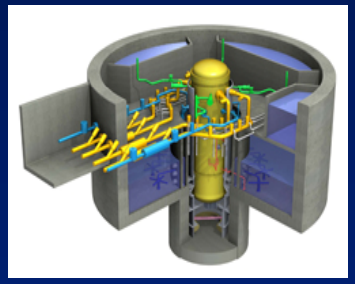
ABWR



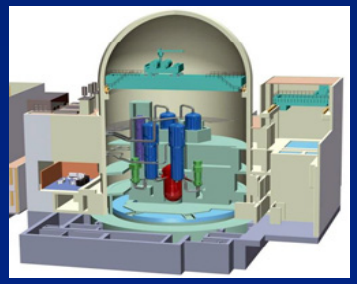
AP1000

EPR

- Construction and licensing of new nuclear power plants worldwide
- New reactor licensing and construction in the U.S.
  - Licensing Process
  - Status of Licensing
  - Construction activities and Oversight



ESBWR



USAPWR

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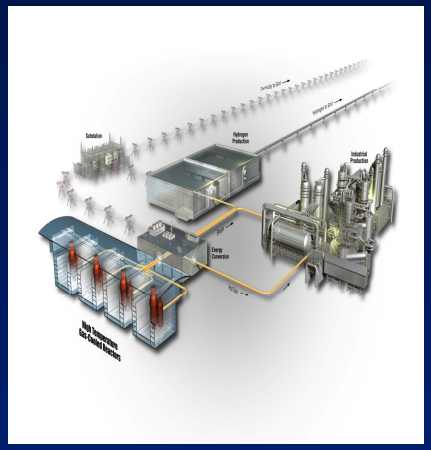
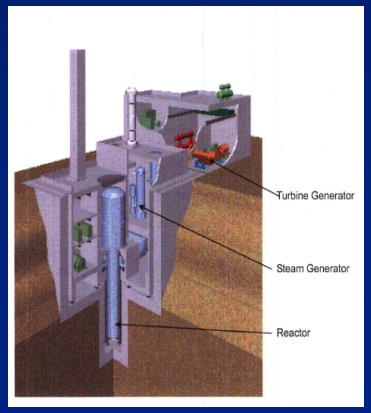
Advanced Reactors

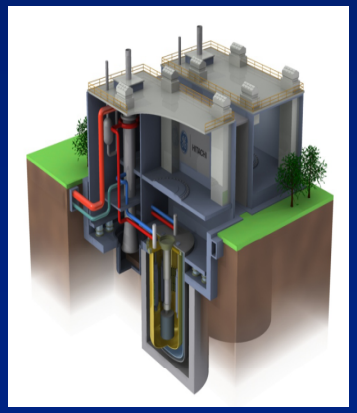
Non-Light Water Reactors



Liquid Metal Reactors

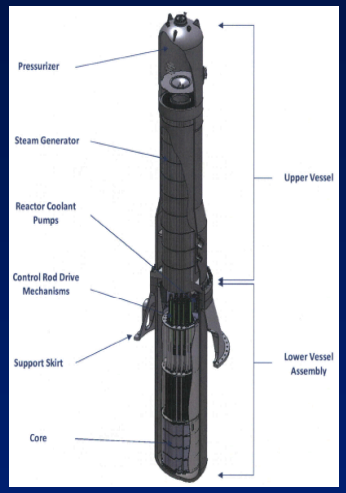


4S

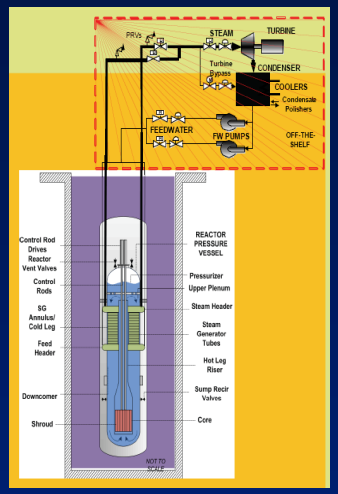


PRISM

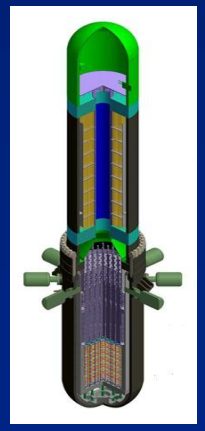
iPWR Designs



B&W mPower



NuScale



Westinghouse SMR

Holtec SMR-160

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International Security

- Nuclear Security Summits 2010 & 2012
- Int'l Conference on Nuclear Security 2013
- Int'l Physical Protection Advisory Service
- Safety and Security Interface

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