

**23rd WiN Global Annual Conference**

**24–28 August 2015  
Vienna, Austria**

# **Women in Nuclear meet Atoms for Peace**

---

## **U.S. Women in Nuclear**

**Marilyn Kray**

Vice President

Exelon Generation





- Membership exceeds 7,000
  - 67 active local chapters
  - Over 36,000 volunteer hours in professional development, networking and public outreach
- Launched 5-year strategic planning initiative—WIN 2020
- Formed partnership with Nuclear Matters
- Enhanced communications
  - Expanded social media
    - Twitter—over 4,000 followers (60% increase in reach)
    - Facebook—over 1,300 page likes (67% increase in reach)
  - Quarterly newsletter
- New initiative to support women in operations careers

U.S. Women in Nuclear®



## National Conference in Austin, TX



Women in Nuclear meet Atoms for Peace

# Nuclear developments



- Sustained strong performance of the U.S. nuclear fleet
- Continued economic pressures on nuclear generating assets
- New plant construction moves forward
- Implementation of post-Fukushima safety enhancements underway (FLEX)
- Used fuel management outlook is stable

# Continuous Improvement Drives Value

The U.S. industry remains focused on actions that enhance operational value

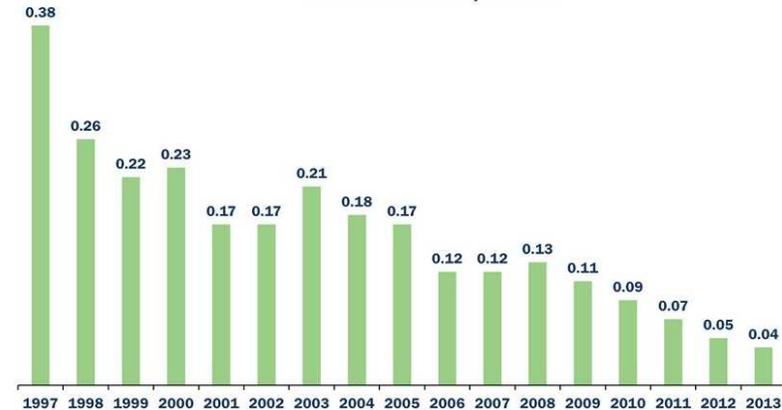
- Safety culture: nuclear, industrial, radiological and environmental
- Reliability improvements: disciplined approach to making investments
- Focus on operations: online, refueling, seasonal readiness
- Benchmarking and sharing industry best practices

Disciplined decision-making and a focus on safety, efficiency and reliability will preserve and enhance nuclear asset values



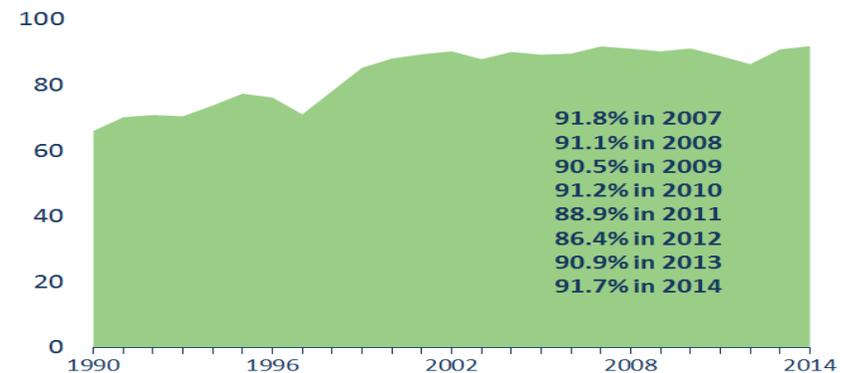
## U.S. Nuclear Industrial Safety Accident Rate

One-Year Industry Values



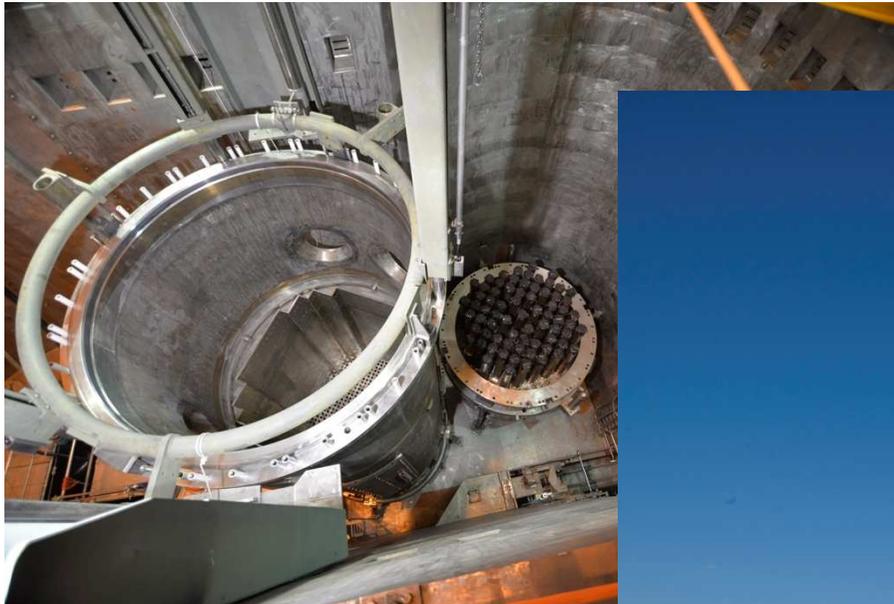
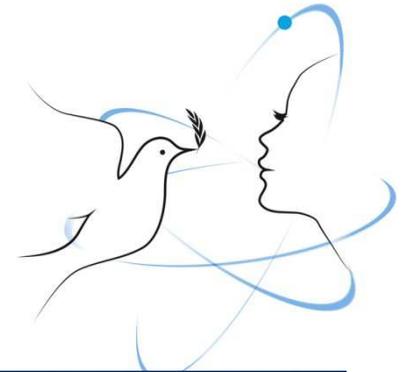
## Sustained Reliability and Productivity

U.S. Nuclear Plant Capacity Factor



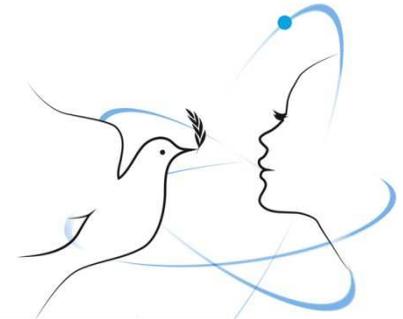
Source: Energy Information Administration (EIA)

# Watts Bar 2 Nears Completion



Women in Nuclear meet Atoms for Peace

# Progress at Vogtle, Summer



Women in Nuclear meet Atoms for Peace

# Progress at Vogtle, Summer



Women in Nuclear meet Atoms for Peace

# FLEX Strategy Enhances Safety



- FLEX provides additional layer of protection against extreme, unexpected scenarios that are beyond the plants' design basis
- Focus on maintaining key safety functions
- Each nuclear plant site maintains backup portable safety equipment, shares it industrywide if needed
- National response centers opened in 2014 in Memphis and Phoenix



Emergency equipment is pre-staged on truck flatbeds at national centers, ready to be shipped by truck or aircraft

# National Response Centers Open in 2014



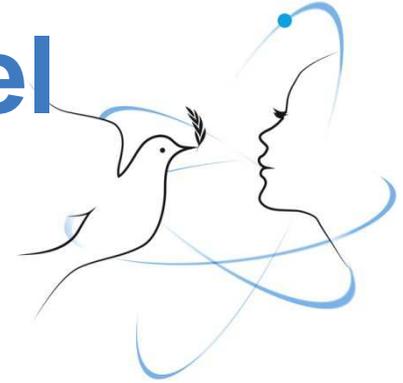
Five full sets of emergency backup equipment is stored at the national centers



Emergency equipment is equipped with color-coded electrical connections for “plug and play” installation

Women in Nuclear meet Atoms for Peace

# Stable Outlook for Used Fuel Management



- U.S. courts ordered the Department of Energy (DOE) to reset Nuclear Waste Fund fee to zero = \$750 million annual savings to U.S. rate payers
- U.S. courts ordered the Nuclear Regulatory Commission and DOE to resume Yucca Mountain licensing (geologic repository)
- Tangible interest in developing interim storage facility



Used fuel storage at interim facility



# Thank you!



**IAEA**  
International Atomic Energy Agency