

# Lighting the Future With Always-On Nuclear Energy

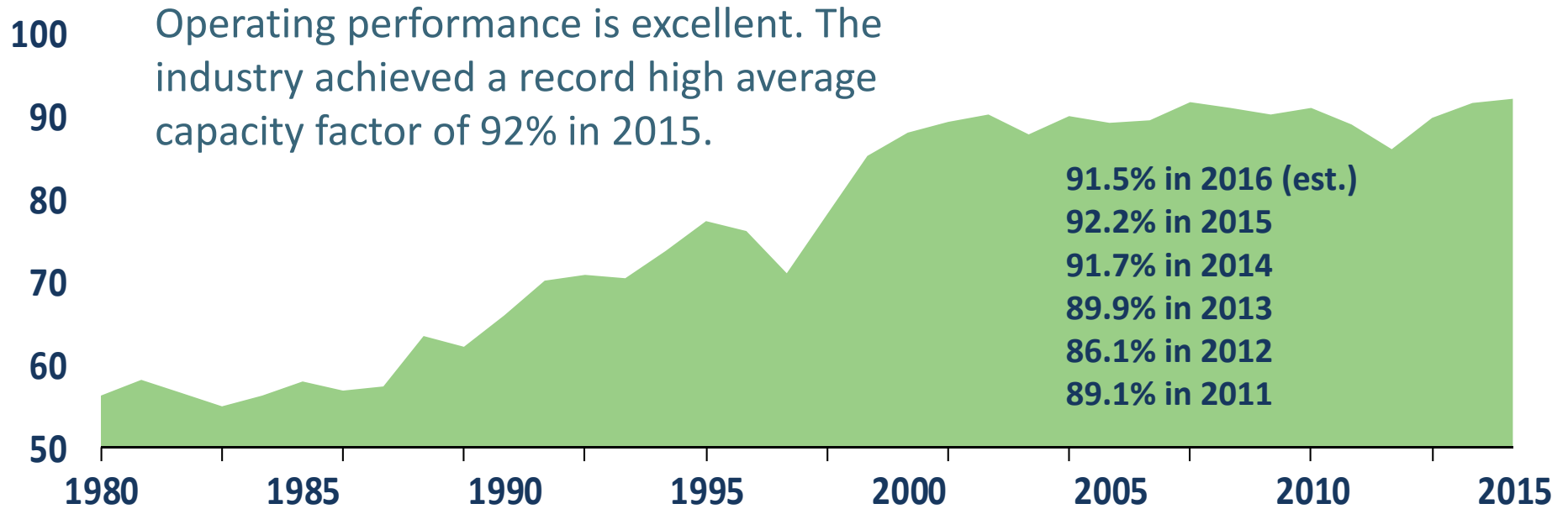
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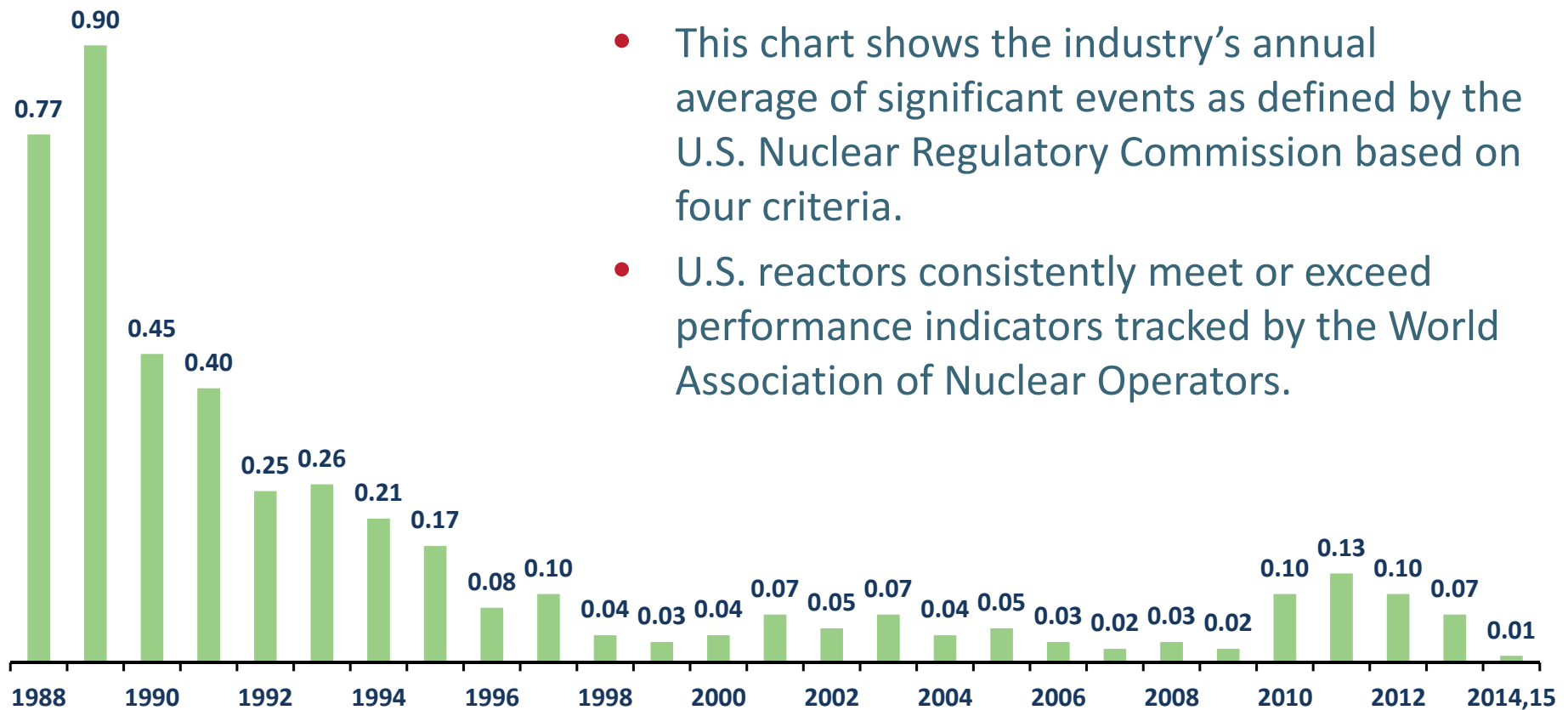
# Sustained Reliability and Productivity

*U.S. Nuclear Capacity Factor, Percent*



Source: Energy Information Administration  
Updated: 2/17

# Safety Is Our Top Priority—and the Results Show It



- This chart shows the industry’s annual average of significant events as defined by the U.S. Nuclear Regulatory Commission based on four criteria.
- U.S. reactors consistently meet or exceed performance indicators tracked by the World Association of Nuclear Operators.

Source: NRC Information Digest. Updated: 2/17

# Institute of Nuclear Power Operations

- Created following the Three Mile Island accident
- Promotes highest levels of safety and reliability
- Excellence beyond regulatory requirements
- Identify and stop declining performance
- Advances leadership and integrated risk management
- Significant assistance to Fukushima Daiichi

# Industry Initiatives

- Establishes formal industry positions or policies on generic regulatory and technical issues
- Uniform implementation of industry approved positions or policies
- If at least 80 percent of operating utilities vote to approve a formal initiative, the entire industry is committed to the initiative.

## Initiative Examples

- 1994 – Severe accident management
- 2003 – Management of materials issues
- 2005 – Industry adversary force for exercises
- 2006 – Underground piping and tanks integrity
- 2011 – Safety Culture
- Multiple to support Fukushima response
- Multiple to implement Delivering the Nuclear Promise<sup>®</sup>

# Fukushima Response

- U.S. industry acted immediately to verify each stations ability to handle beyond design basis events
- Recommended numerous enhancements to US Nuclear Regulatory Commission
- Created “Diverse and Flexible Coping” program for enhanced response to beyond design basis events
- Put SAFER centers in east and west to provide shared equipment to permit unlimited coping

# Delivering the Nuclear Promise: Three Areas of Focus

Advancing  
Safety &  
Reliability

Increasing  
Efficiency

Gaining  
Recognition  
for Value



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# Nuclear Energy: Part of Our Critical Infrastructure—Now and for the Future

