

# Power Reactor Decommissioning Program

Cortlandt Community Unity  
Indian Point Task Force Meeting  
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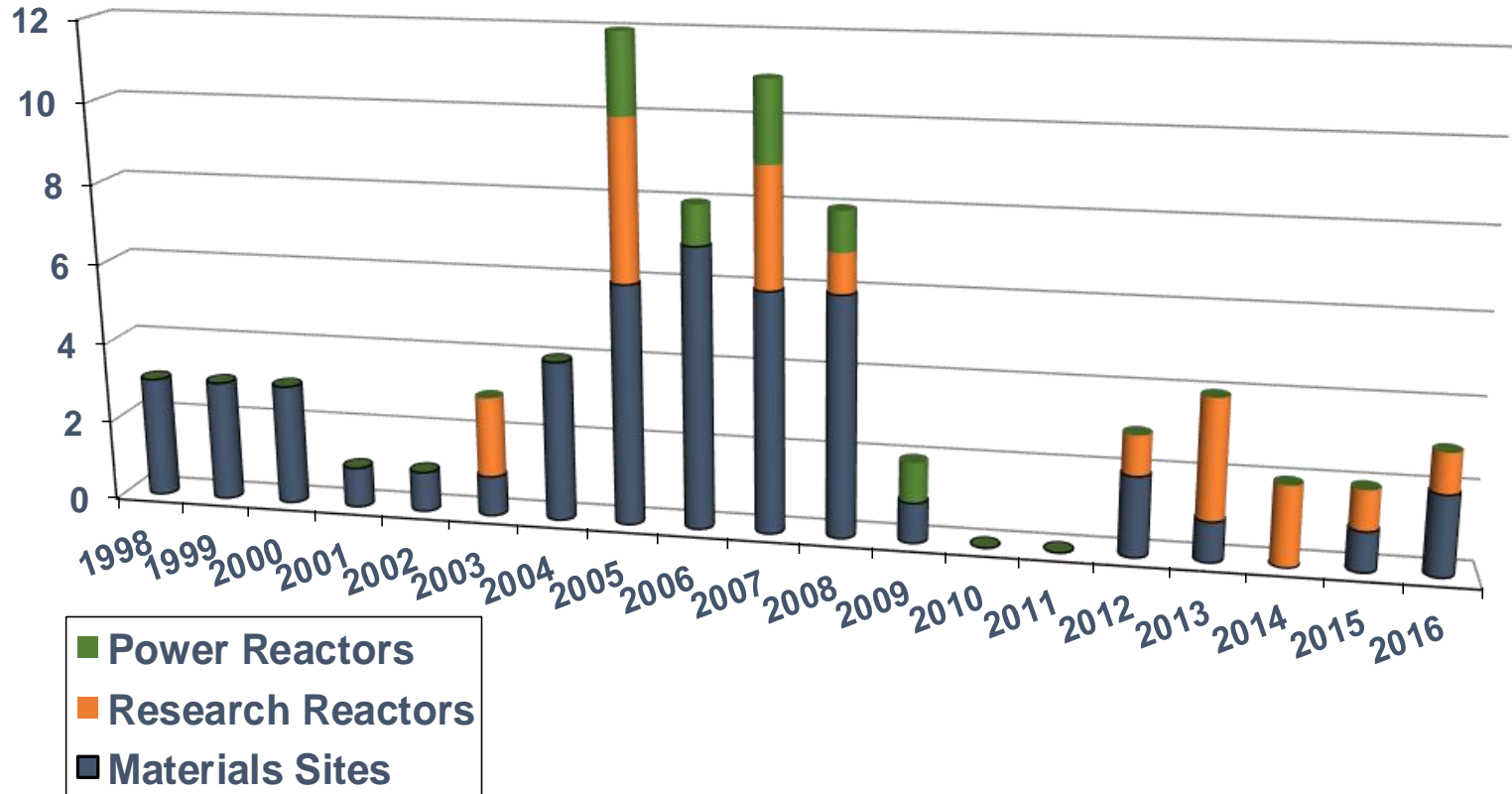


# The NRC Mission

The NRC's mission with respect to decommissioning is to ensure a safe transition from operations to decommissioning, and the safe completion of radiological decommissioning.

NRC will continue to license and inspect the plant until the licensee demonstrates that the residual radioactivity meets the license termination criteria and NRC terminates the license.

# NRC Decommissioning Experience



# Decommissioning Program Regulatory Framework

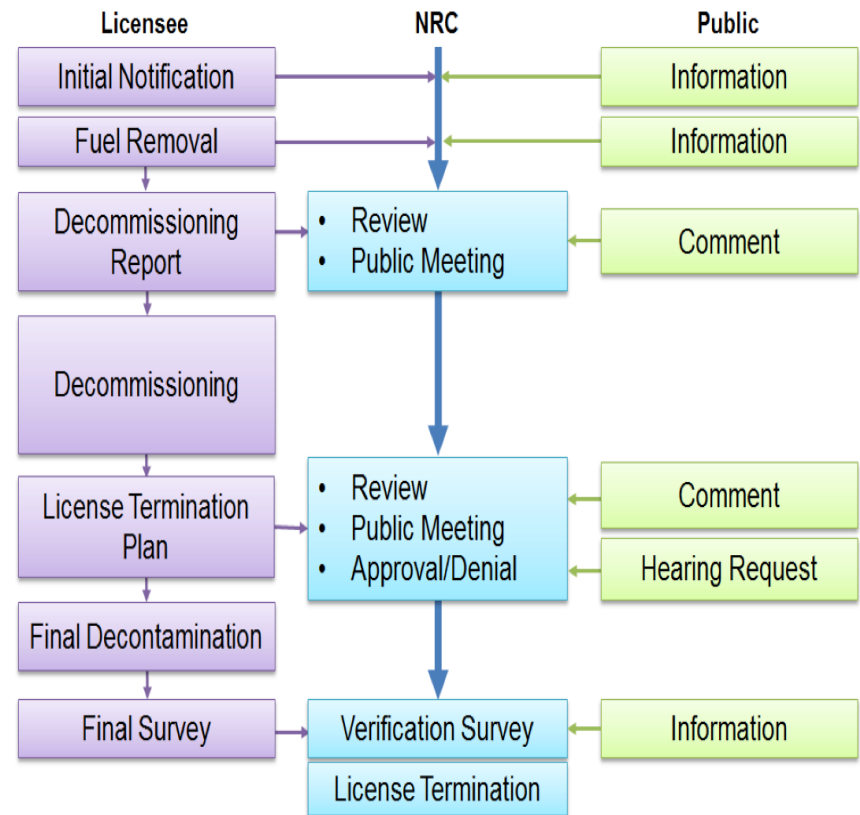
## Integrated Decommissioning Program

### Comprehensive Regulations (10 CFR 50.82):

- Public involvement
- Environmental review
- Financial assurance
- Site characterization
- Site remediation / Radiological clean-up
- Final site surveys

### Regulatory Guidance Oversight and Inspection Program

## Decommissioning Process



# Reactor Decommissioning Program Status

- Decommissioning Progress:
  - 10 power reactors have terminated their licenses after meeting the NRC's criteria for unrestricted release
  - 20 power reactors are in decommissioning
  - 8 power reactors have announced they will permanently cease operations in the next few years
  - 4 power reactors will complete decommissioning by 2020
- New trends in decommissioning
  - Business model at Zion and La Crosse Nuclear Power Plants
  - NRC is evaluating the Vermont Yankee sale and license transfer from Entergy to a private company

# Shoreham

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<http://soundbounder.blogspot.com/>



# State University of New York at Buffalo

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# West Valley Demonstration Project

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# Indian Point

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**Location:** Buchanan, NY (24 miles N of New York City, NY) in [Region I](#)

**Operator:** Entergy Nuclear Operations, Inc.

- **Unit 1 Shutdown in 1974, SAFSTOR**
- **Unit 2 Operating License:** Issued - 09/28/1973  
**License Expired:** 09/28/2013 (timely renewal)
- **Unit 3 Operating License:** Issued - 12/12/1975  
**License Expired:** 12/12/2015 (timely renewal)



# Decommissioning Summary

- There are an increasing number of plants entering decommissioning in the United States, and the NRC is focused on the safe transition of these plants from operation to decommissioning
- The NRC has a strong decommissioning regulatory framework and experienced inspection program
- The NRC's decommissioning process will be further strengthened by applying lessons learned