

# Nuclear Coordination

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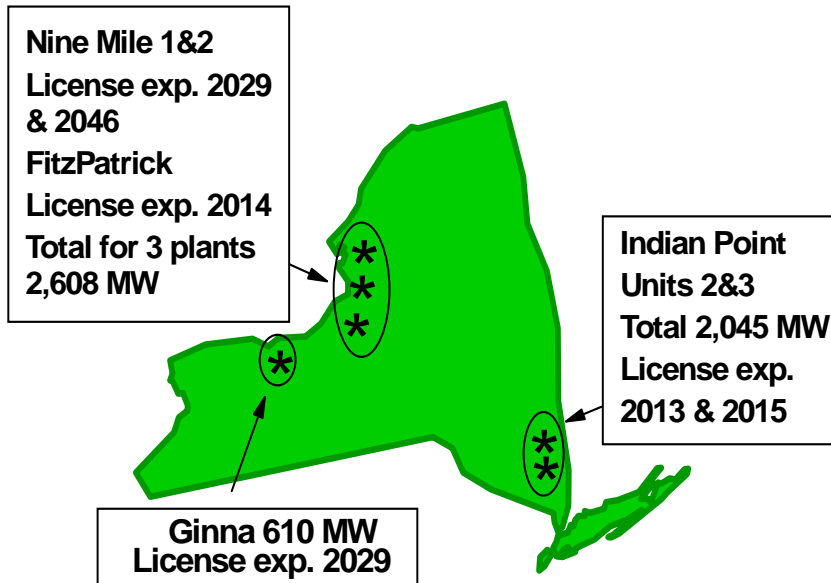
## NYSERDA's Responsibilities

- Nuclear Coordination Statute
  - Commerce Law – Atomic Energy Council
  - Transferred to new State Energy Office in 1976
  - Transferred to NYSERDA in 1995
- Low-Level Radioactive Waste (LLRW) Management Act of 1986
  - Collect annual reports from waste generators
  - Prepare Annual Status Report
  - Represent NY at the national LLRW Forum
- NYSERDA's President serves as New York's State Liaison Officer with the U.S. NRC

## Current and Emerging Issues

- Nuclear Power Plant License Renewal
- Potential New Nuclear Power in NY
- Expected closure of the Barnwell, SC low-level radioactive waste (LLRW) disposal facility to waste from New York generators

# Nuclear Power Plant License Renewal



## 20-Year License Renewal Complete

- R.E. Ginna
- Nine Mile Point 1 & 2

## Applications Currently Under Review

- James A. FitzPatrick
- Indian Point Units 2 & 3

## Indian Point License Renewal

- Renewal application submitted April 2007
- If granted, would extend the licenses 20 years, 2033 and 2035 for Units 2 & 3, respectively
- High public and political interest

## NYSERDA Activities

- NYSERDA is the primary point of contact with the NRC, ensuring information flow to and from the interested State agencies
- Hosted a State review kick-off meeting with Entergy, DPS, DEC, DOS, DOH, OHS, and SEMO
- Hosted a meeting with NRC, DPS, NYISO, DEC, and the Governor's Office to discuss energy planning alternatives

## DEC Activities

- DEC is coordinating the State's environmental review and request for hearing/petition to intervene
- Submissions to NRC on behalf of the State executive agencies and the AG's office:
  - Oct. 31<sup>st</sup> comments on the NRC's environmental scoping process
  - Expected Nov. 30<sup>th</sup> request for hearing and petition to intervene

## NRC Schedule

- July 2008 – draft Supplemental Environmental Impact Statement (SEIS)
- Sept. 2008 – public meeting on draft SEIS
- Sept. 2008 – Safety Evaluation Report (SER) with open items
- Oct. 2008 – end of SEIS comment period
- March 2009 – final SER
- April 2009 – final SEIS
- July 2009 – NRC Decision (if no hearing is granted)

## Potential New Nuclear

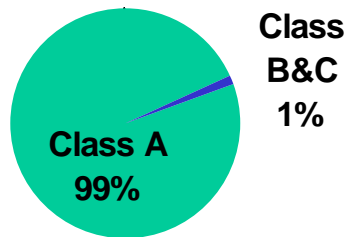
- NRC has already received 3 applications and expects 20 more over the next 2 years, including a possible new unit at Nine Mile Point
  - Joint venture: UniStar and Constellation
  - 1,600 MW advanced reactor design already being built in Finland and France
  - Fall 2007 site characterization
  - Combined application for construction permit and operating license possible in 4<sup>th</sup> quarter of 2008.

## Class B&C Low-Level Radioactive Waste

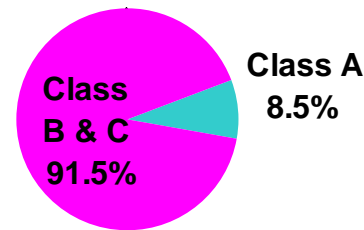
- Barnwell, SC disposal facility expected to close to out-of-compact waste in June 2008
- 36 States, including NY, will have no disposal option for Class B&C LLRW
- NY generators will have to store Class B&C LLRW onsite until other storage or disposal options are available

# 2006 LLRW Disposal

## By Volume

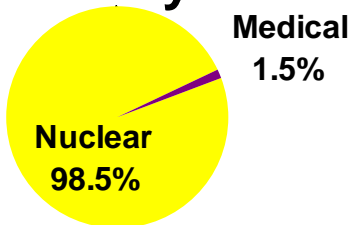


## By Radioactivity



## Class B&C

### Sector by Volume



Total Class B&C: 26.4 m<sup>3</sup> (2,980 curies)

Total LLRW: 2,836 m<sup>3</sup> (3,257 curies)

NYSERDA's NYS LLRW Status Report for 2006

[http://www.nyserda.org/Energy\\_Information/llrwr.asp](http://www.nyserda.org/Energy_Information/llrwr.asp)

## Expected Impact to NY

- Primarily impacts nuclear power plants
  - But, they are prepared to store the waste for a number of years.
  - Onsite storage is regulated by the NRC
- Some isolated storage may be needed by non-nuclear facilities
  - Most likely sealed sources which are very small and can be safely and easily stored for many years

## Looking Ahead

- NYSERDA, through the LLW Forum, will continue to closely follow developments
  - Industry Onsite Storage Guidance
  - U.S. NRC Strategic Assessment of LLRW Regulatory Program
  - Potential new disposal options