THE AGE OF DECOMMISSIONING - IMPLICATIONS FOR WASTE

When Reactors Close:

Reactors Close:

- · License expires
- NRC orders
- Uneconomic/ Utility decision
- Natural disaster
- Accident/Emergency/ Terrorism



Spent Fuel:

- In pool, 5yrs.
 normal; 7-10 for hi-burnup
- In dry casks;
 NRC says safe for ~100 years



Indefinite Storage



Permanent Deep-Geologic Disposal

Industry/Government Response:

Reactors Close:

- · Utilities seek bailouts
- Failing bailout, reactors close over course of several years
- Safe-store or Decommissioning



Spent Fuel:

- In pool, 5yrs.
 normal; 7-10 for hi-burnup
- In dry casks, no HOSS; NRC says safe for ~100 years



Indefinite Storage

- HR 3053: construct 1 or more CIS/MRS facilities "as soon as practicable" (probably not before 2024)
- •Candidates: TX; NM; IL; NV
- •Need for "Make Whole"



Permanent Deep-Geologic Disposal:

- HR 3053 re-open Yucca Mt., NV
- President's BRC states not likely before 2048, if all goes well; more than 1 site needed

Environmental/Safe-Energy Alternative:

Reactors Close:

- Close reactors
- No bailouts
- Enact "Just-Transitions" prior to closure
- Safe-store or Decommissioning



Spent Fuel:

- Retain wet pools
- Use HOSS onsite with dry casks;
- NRC says safe for ~100 years



Indefinite Storage

- No CIS facilities; onsite storage using HOSS
- Need for "Make Whole"
- Establish independent, sciencebased *disposal* site search
- Strengthen NRC decom regs



Permanent Deep-Geologic Disposal:

- Find, characterize, license first facility for opening by 2048
- "Make Whole" in place until waste moved for disposal