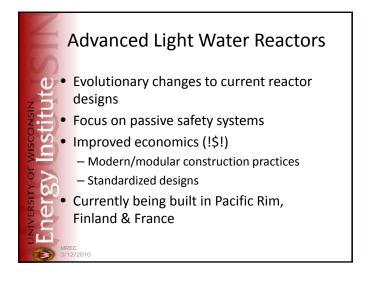
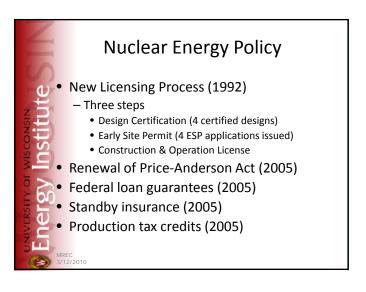
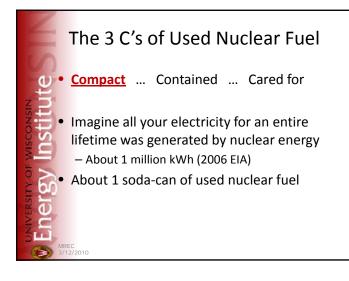


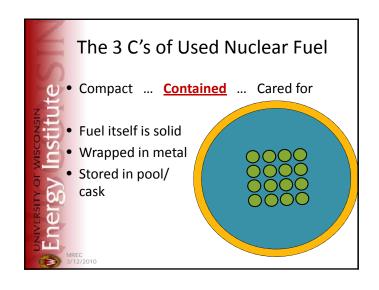
Nuclear Fuel Supply • Uranium prices relatively stable(?) • Fuel prices are small fraction of cost • Uranium imported from stable democracies (Australia & Canada)



Economic Factors • Lowest O&M costs of any source • Reduced capital cost for new plants • Reduced construction time for new plants • "Externalities" included • Large capital investment • Unproven financial performance • Large material & labor cost escalation







The 3 C's of Used Nuclear Fuel Compact ... Contained ... Cared for Carefully tracked Decades of experience in safe handling Easy to detect and monitor Paid for in Nuclear Waste Fee



Used Nuclear Fuel Stored at Yucca Mountain

- Designed to meet EPA limits for 1 MILLION years
- New timeline put DOE on track to (finally) fulfill obligations to utilities
 - License app: filed 06/08, accepted 09/08
- President Obama withdraws support
- March 2010
 - Appoints Blue Ribbon Commission
 - Formally withdraws applications with prejudice

Used Nuclear Fuel A Matter of Policy

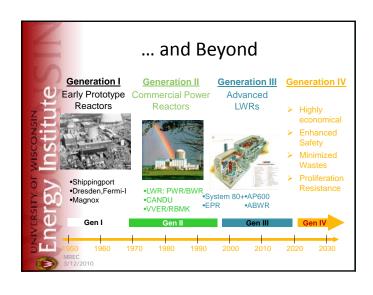
- We know how to manage this material safely in the short term
- No technical urgency to do anything different
 - Can be stored in current systems for 50-100 yearsprobably longer
- Some security questions addressed by more \$\$\$
- Intergenerational ethics
 - How long can we wait before having a solution

3/12/2010

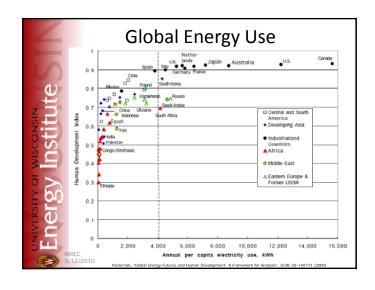
Company	Site(s)	Design, # of units	Construction/ Operating License Submittal Timeline
TVA (NuStart)	Bellefonte (TN)	W: AP1000 (2)	October 2007
South Carolina E & G	Summer (SC)	W: AP1000 (2)	March 2008
Duke	Cherokee County, SC	W: AP1000 (2)	Dec 2007
Progress Energy	Harris (NC) Levy County, FL	W: AP1000 (2) AP1000 (2)	Feb 2008 July 2008
Constellation (UniStar)	Calvert Cliffs (MD) Nine Mile Point (NY) + one other sites	Areva: EPR (1) EPR (1) EPR (1)	March 2008 Sep 2009 TBD
Dominion	North Anna (VA)	GE: ESBWR (1)	Nov 2007
Entergy (NuStart)	Grand Gulf (MS) River Bend (LA)	GE: ESBWR (1) ESBWR (1)	Feb 2008 Sep 2008
NRG Energy (STP)	South Texas Project (TX)	GE: ABWR (2)	Sep 2007
Southern Company	Vogtle (GA)	W: AP1000 (2)	March 2008
Luminant	Comanche Peak (TX)	MHI: APWR (2)	Sep 2008
Detroit Edison	Fermi (MI)	TBD	Sep 2008

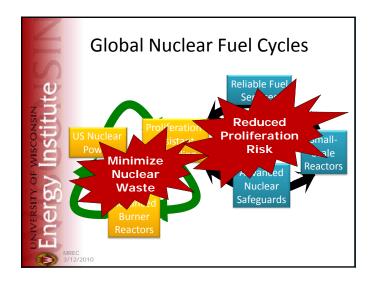
Company	Site(s)	Design, # of units	Construction/ Operating Licer Submittal Time
Amarillo Power	Near Amarillo. TX	EPR	FY 2009
Florida Power & Light	Turkey Point (FL)	TBD (2)	June 2009
Alternate Energy Holdings	Bruneau. ID	EPR	FY 2009
AmerenUE	Callaway (MO)	EPR	July 2008 (suspended)
Exelon	Matagorda & Victoria County, TX	ESBWR(2)	Sep 2008
Duke	Davie County (NC)	TBD	TBD
Duke	Oconee County (SC)	TBD	TBD
Exelon	Clinton (IL)	TBD	TBD
PSEG	Salem/Hope Creek	TBD	TBD
PPL Corp	Susquehanna, (PA)	EPR	Oct 2008

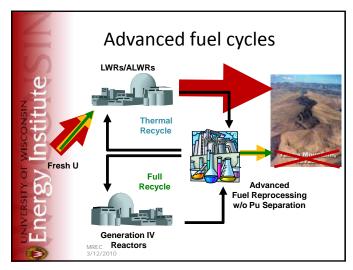
New Reactor Highlights • Most planned for existing sites • Most advanced plans in regulated markets • Vogtle (Southern Company) awarded \$8.4B Loan Guarantees • First license award expected late 2010/early 2011 • Financial issues beginning to appear (??) — STP investors disagree on path forward — FPL slowing down on plans

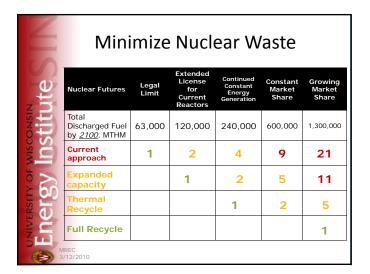


Preparing for Global Energy Needs • Improvement in global standard of living will require increased energy/electricity supply • Even a modest nuclear share requires large global deployment: - Differing economic environments & energy products - Large spent fuel inventories - Proliferation concerns - Varying safety cultures

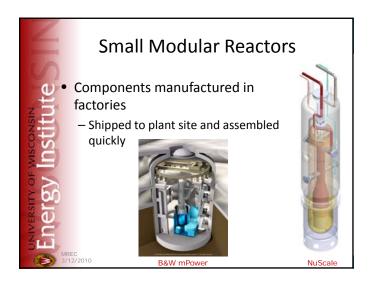


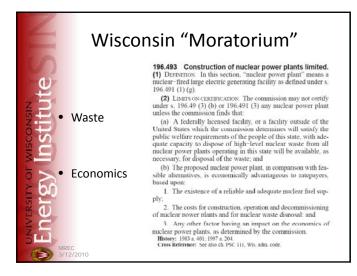












• Recommendations on energy policy - 25% RPS by 2025 - Relax previous constraints on nuclear build • Add new constraints • Currently being drafted as legislation - To be voted on soon



