



**Informational Meeting Regarding Prairie Island License
Renewal Application**

November 21, 2006

Informational Meeting Regarding Prairie Island License Renewal Application

Agenda

- Purpose
- License Renewal Application
- Additional Submittals of Interest
- Schedule
- Conclusions

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Purpose

- Provide information regarding proposed License Renewal Application (LRA)
- Provide information regarding submittals concurrent with NRC LRA review
 - Fuel Transition
 - Measurement Uncertainty Recapture (MUR) Update

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License Renewal

- Xcel Energy has authorized the Prairie Island License Renewal Project
 - Unit 1 operating license expires August 9, 2013
 - Unit 2 operating license expires October 29, 2014
- NMC has significant License Renewal experience
 - Point Beach and Monticello LRAs are approved
 - Palisades is near end of process
- The Prairie Island LRA will follow the successful NMC model

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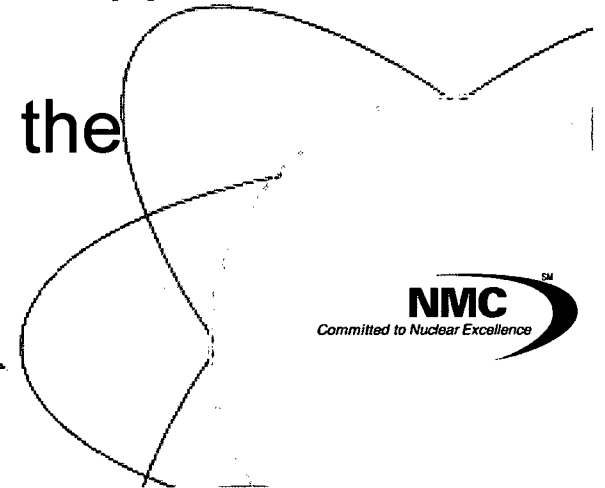
License Renewal

- LRA will address:
 - Power Level
 - Fuel Transition
 - Operation at future MUR conditions
- LRA is scheduled for submittal to NRC in Second Quarter 2008

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Fuel Transition

- Transition from Optimized Fuel Assembly (OFA) to Heavy Bundle (14x14 422 Vantage+)
- Previously implemented at other Westinghouse NSSS 2-loop plants
- No change in analysis methodology
- Scheduled for submittal to NRC in Second Quarter 2008

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Fuel Transition in Relation to LRA

	Areas of Evaluation	Relation to LRA
1.	Fluence	LRA will address fluence-related aging (RV integrity) associated with HB fuel.
2.	RCS Flow and Pressure Changes	No effect on Aging Effects associated with RCS.
3.	Physical Changes in Fuel	No effect on LRA.
4.	LOCA and Safety Analyses	No effect on LRA.
5.	Source Term	No effect on LRA.
6.	Spent Fuel Pool and New Fuel Storage	No effect on LRA.
7.	Cask Criticality	No effect on LRA.
8.	Tech Spec changes, system settings, etc.	No effect on LRA.

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Measurement Uncertainty Recapture Uprate

- Caldon LEFM CheckPlus™
- License Amendment Request will reflect RIS 2002-03 guidance
- Scheduled for submittal to NRC in First Quarter 2008
- Implementation planned for Fourth Quarter 2008

Informational Meeting Regarding Prairie Island License Renewal Application

Measurement Uncertainty Recapture Uprate in Relation to LRA

	RIS 2002-03 Areas of Evaluation	Relation to LRA
I.	Flow measurement/power measurement uncertainty	Changes to plant equipment will be submitted under 10 CFR 54.21(b) (same as for any other plant modification). No effect on Aging Effects and Environments, or TLAAs within scope of LRA.
II.	Safety Analysis of record bounds MUR operation	No effect on LRA scope unless MUR analysis requires changes to SSCs (not expected).
III.	Safety Analysis of record does not bound MUR operation	
IV.	Mechanical/Structural/Component Integrity	Effects of MUR conditions will be evaluated as part of LR AMRs. TLAAs will conservatively bound MUR conditions.
V.	Electrical Equipment Design	Existing analyses expected to bound MUR conditions. No effect on LRA.
VI.	Plant System Design	No changes expected to plant systems. No effect on LRA.
VII.	Other plant operation considerations (training, procedures, simulator, etc.)	Environmental report will address expected MUR thermal power. No other effect on LRA.
VIII.	Tech Spec changes, system settings, etc.	Only aspect of MUR License Amendment affecting LRA is thermal power change; this will be submitted under 10 CFR 54.21(b) following MUR License Amendment approval. No other effect on LRA.

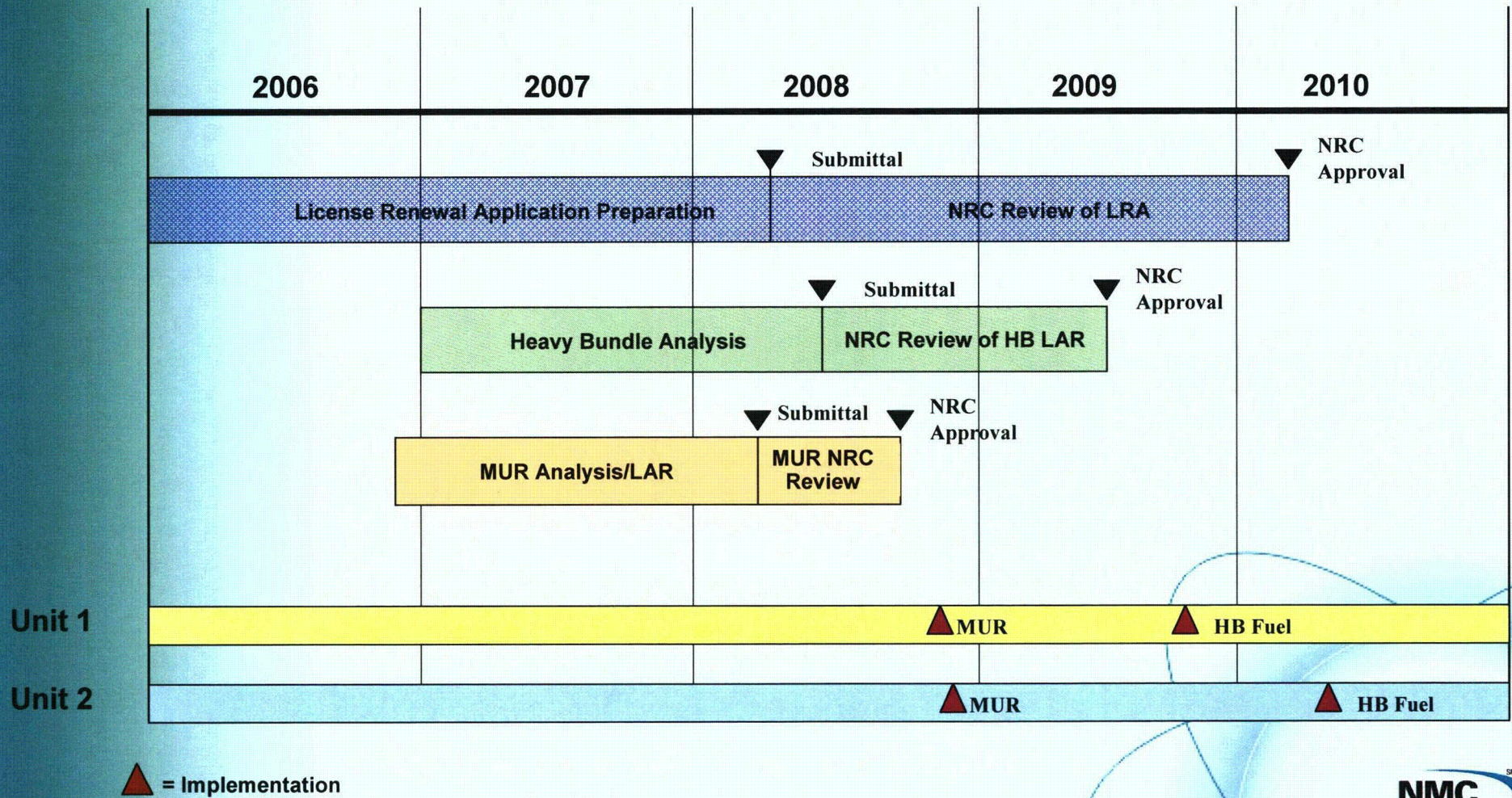


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Comparison of Submittals and Power Levels

Power Level	Rated Thermal Power	Measurement Uncertainty	Analyzed Power
Licensed Power Level at LRA Submittal (Current Licensed Power Level)	1650 MWt	2%	1683 MWt
MUR LAR (LEFM Implementation) Power Level	1677 MWt*	0.36%*	1683 MWt
Fuel Transition Submittal and Implementation Power Level	1677 MWt*	0.36%*	1683 MWt
LRA Approval Power Level Post-MUR	1677 MWt*	0.36%*	1683 MWt
*Expected			

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- Conclusions
 - License Renewal is the priority
 - LRA will account for MUR and HB conditions