Entergy Power Uprate Project Planning

March 31, 2009

Entergy Power Uprate Projects

- **Introductions**
- **Project Overview / Organization**
- **Licensing Goals**
- **Projected Submittal Schedules**
- **Topics of Interest**
- **Summary**

Project Overview

- **Grand Gulf[1]**   **15% EPU OLTP**   **Spring 2012**

- **James A. FitzPatrick[2]**   **20% EPU OLTP**   **Fall 2012**

- **Palisades**   **3.3% SPU OLTP**   **Under study**

[1]*Grand Gulf EPU project has not received final internal approvals and is presented here based on current projections and proposed timing.*

[2]*JAF EPU project has not received final internal approvals and is presented here based on current projections and proposed timing.*

# Organization
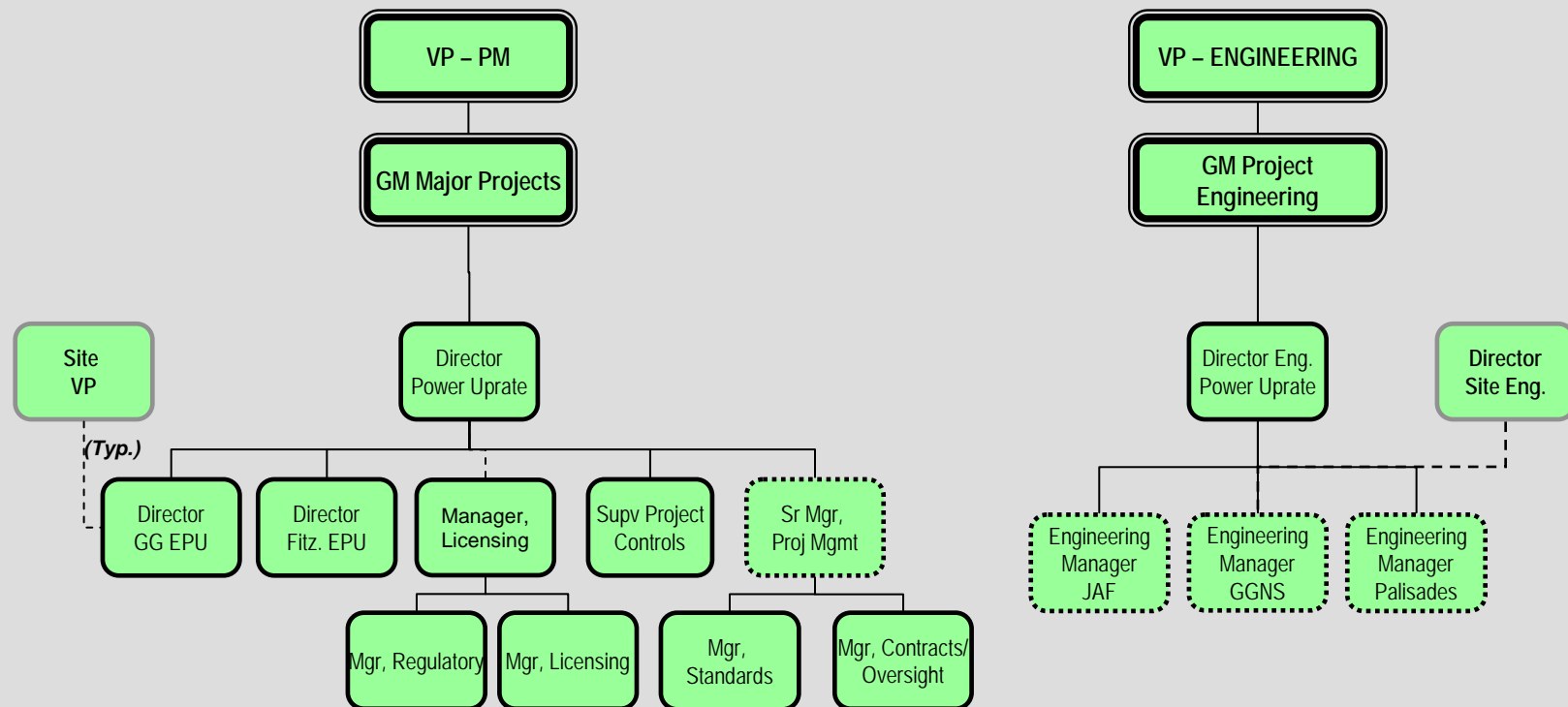
Licensing Principles

- **NRR Office Instruction LIC-109**

- **NRC Review Standard RS-001**

- **Industry operating experience and lessons from recent submittals**

- **Approved Licensing Topical Reports**
  - NEDC 33004 (CLTR)
  - NEDC 33410 (PRNM LTR)
  - NEDC 32410 (Stability LTR)
  - NEDC 33006 (MELLLA+ LTR)

LAR Summary

	GGNS 15%	JAF 20%
MWe Online	*2012*	*2012*
24-Month Cycle	X	current
PRNMS	X	X
Extended Power Uprate	X	X
MELLLA+	X	X
License Renewal	X	current

Proposed GGNS Timeline

Submittal	Projected Submittal Date	NRC Review
24 Month	Dec. 2011	12 Months
PRNMS	Oct. 2009	9 Months
EPU	July 2010	16 Months
MELLLA+	Dec. 2011	12 Months
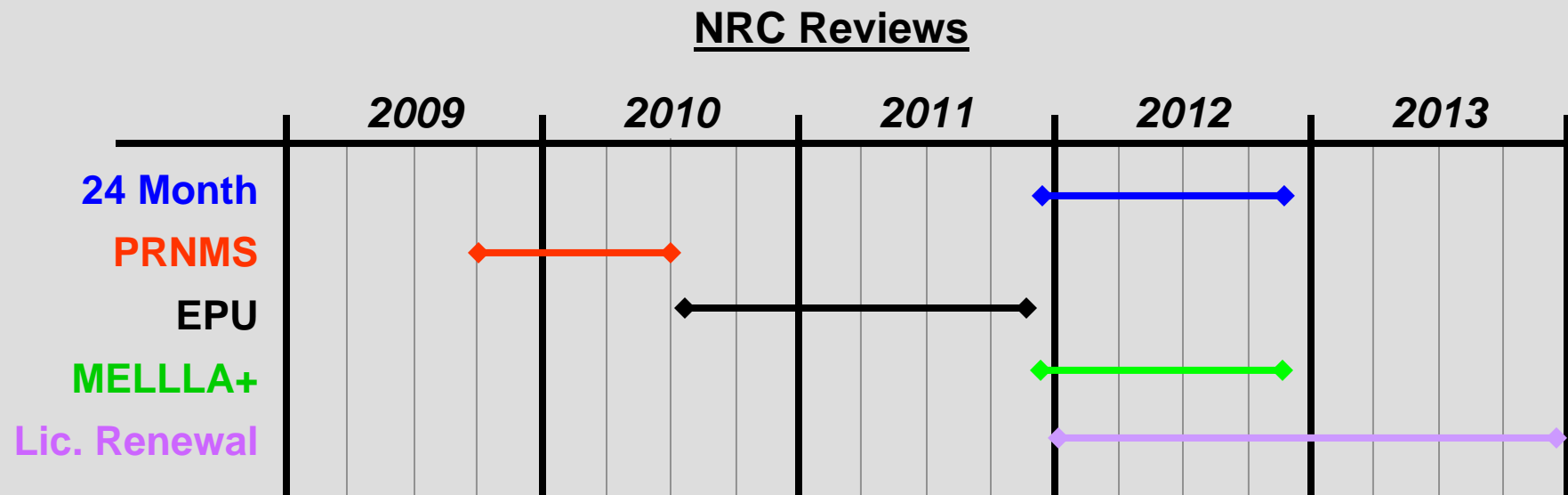
NRC Reviews

Proposed JAF Timeline

Submittal	Projected Submittal Date	NRC Review
PRNMS	Nov. 2009	11 Months
EPU	Oct. 2010	18 Months
MELLLA+	April 2012	12 Months
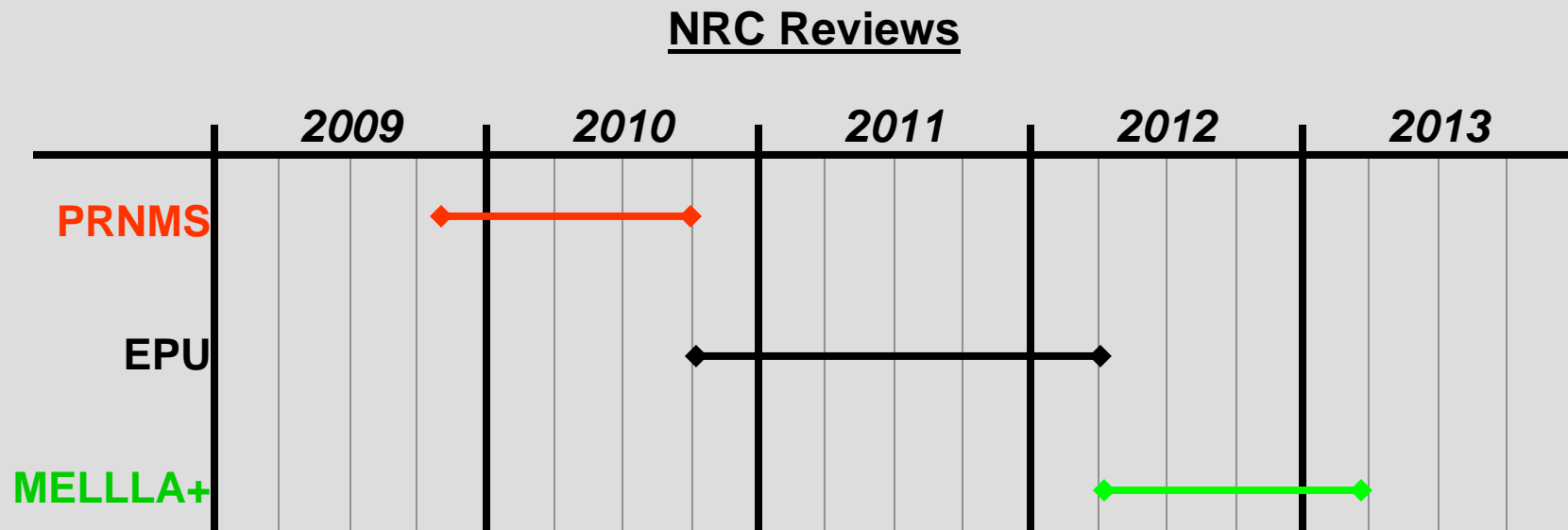
NRC Reviews

Proposed Palisades Timeline

Submittal	Projected Submittal Date	NRC Review
Stretch Uprate	Feb. 2012	14 Months

NRC Reviews

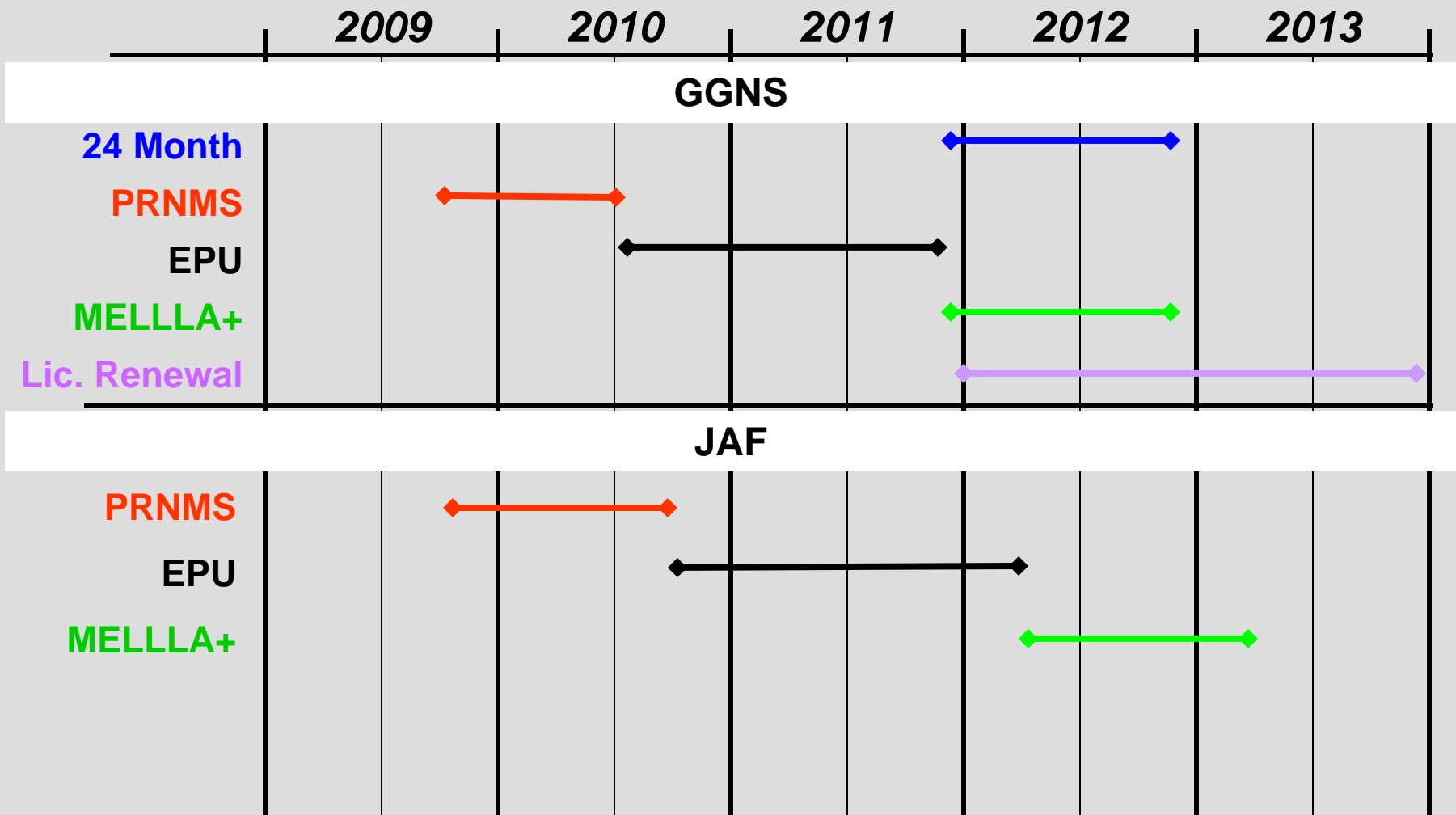|	2009	2010	2011	2012	2013
SPU				◆━━━━━━◆	
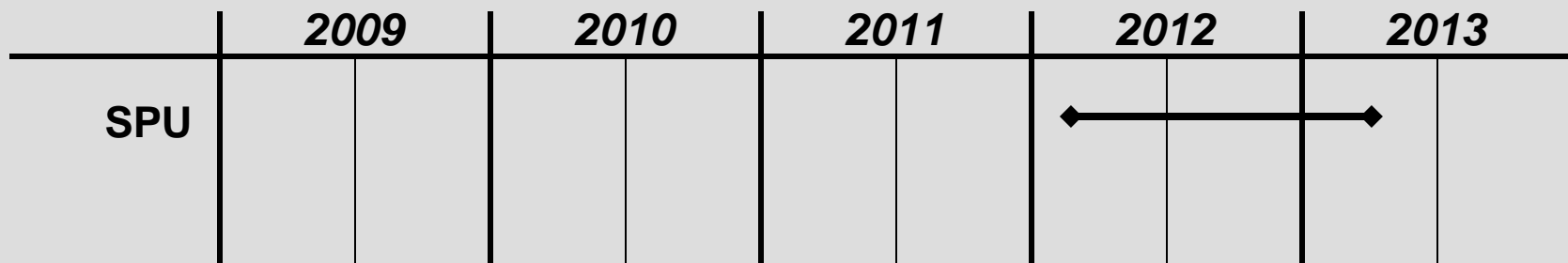
Topics of Interest

- **Containment Overpressure Credit – JAF**
  - Credited in current licensing basis
  - EPU analysis consistent with recent BWR EPUs

- **Large Transient Testing**

- **Steam Dryers**
  - Steam line instrumented / acoustic analysis
  - Vermont Yankee experience

LAR Summary

Questions