Conclusions and Next Steps

September 21-22, 2005
Rockville, MD

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Meeting Objectives

- Provide additional background on details of PBMR design and safety case
- Discuss in greater detail the issues and pre-application outcome objectives for each focus topic
- Identify additional NRC issues that need to be addressed during the pre-application period
- Agree on a list of work items that are needed to achieve the outcome objectives for each focus topic during the Phase 2 period
- Agree on the Project Management tasks to complete the plan

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Exelon RAIs - Summary

	Topic Area	NRC Priority			Totals	PBMR Proposal		
		Cat 1	Cat 2	Cat 2*		Pre-App	App	N/A
1.	High Temperature Materials, Graphite	1	45	0	46	1	44	1
2.	Control of Chemical Attack	7	29	0	36	18	18	
3.	Design Codes and Standards	1	28	1	30	1	29	
4.	Design Codes and Standards	3	22	0	25	1	23	1
5.	Analytical Codes and Software Control	10	6	2	18	10	8	
6.	Core Design and Heat Removal	2	5	65	72	2	70	
7.	PBMR Operational Modes and States	2	2	1	5	2	3	
8.	PBMR Nuclear Fuel	23	12	0	35	23	12	
9.	Fuel Fabrication Quality Control Measures and Performance Monitoring	12	10	0	22	12	10	
10.	PBMR Fuel Qualification Test Program	34	26	7	67	34	33	
	Total:	95	185	76	356	104	250	2
	Licensing Approach	20			20	20		
	Totals:	**115**	**185**	**76**	**376**	**124**	**250**	**2**

Category 1 RAIs are considered relevant to either potential policy issues or significant safety issues or technical issues that are the focus of the PBMR pre-application review.

Category 2 RAIs are considered relevant to safety issues or technical issues for which responses would be required at the time of or before a PBMR license application is submitted.

* Selected RAIs in Category 2 are considered significant to support the development of the NRC's infrastructure of tools, data and expertise that would be needed to conduct a PBMR license application review. These have been identified with an asterisk.

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Next Steps

- **NRC Review of latest material for additional work items**
- **PBMR finalization of outcome objective statements**
- **NRC identification of preparatory education workshop topics/needs**
- **PBMR / NRC development of Pre-Application schedule and resources**
  - Project Management progress discussions
  - Resource Estimates
  - Prioritization of work
  - Plan finalization and agreement

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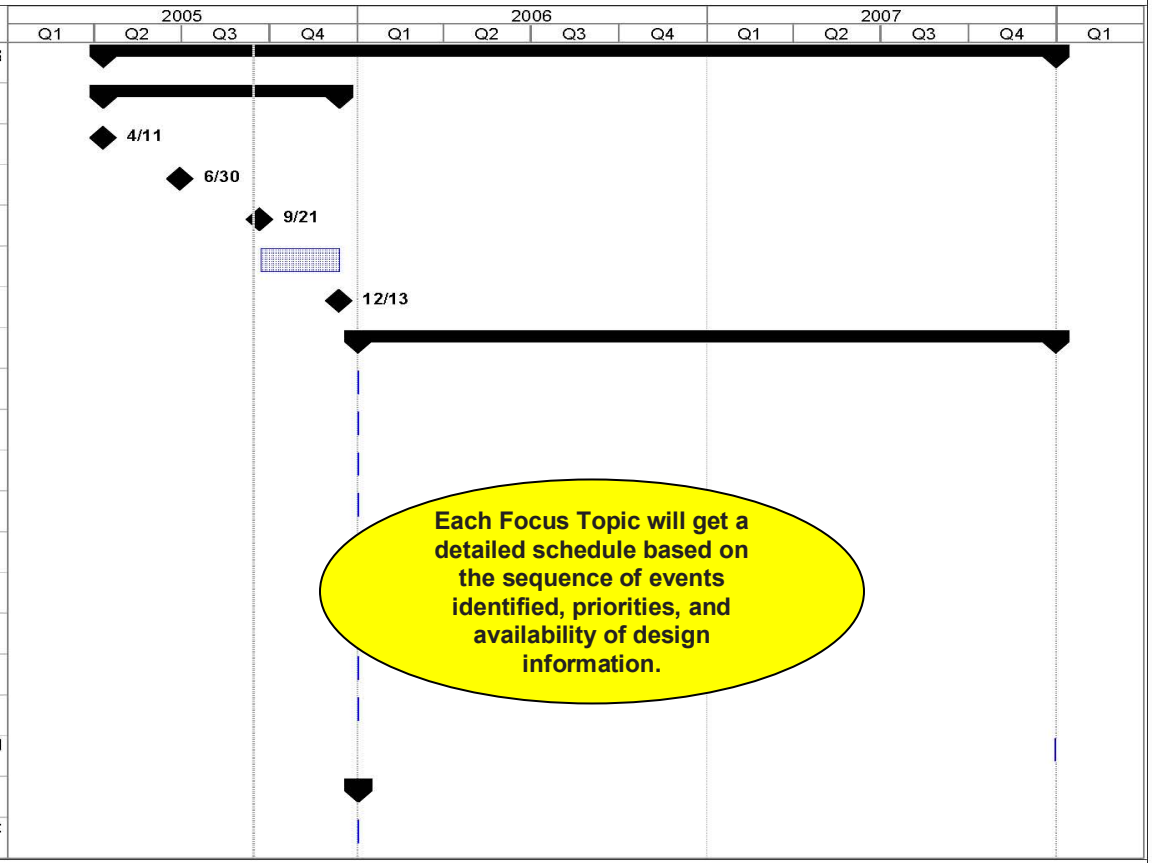
Preapplication Schedule

PBMR Preapplication Interactions

ID	Task Name
1	**PBMR / NRC Preapplication Interactions**
2	**Preapplication Phase 1 Planning**
3	NRC Start Letter
4	Planning Meeting #1
5	Planning Meeting #2
6	PBMR / NRC PM Interactions
7	Final Plan Review Meeting
8	**Preapplication Phase 2 Interactions**
9	LBE Selection
10	SSC Classification
11	Codes and Standards
12	High Temperature Materials - Metallics
13	High Temperature Materials - Ceramics
14	Fuel Design and Qualification
15	Computer Code V&V
16	Multi-Module Certification
17	Physical Security
18	Completion of Preapplication Planning Effort
19	**NRC Programs**
20	Technology-Neutral Licensing Framework Develc



Project: PBMR Preapplication Interacti
Date: Wed 9/14/05

Task		Rolled Up Task		External Tasks	
Progress		Rolled Up Milestone		Project Summary	
Milestone		Rolled Up Progress		Group By Summary	
Summary		Split		Deadline	