

## 4 CSR 24-22.040 Appendix C

**Table C-1**  
**Nuclear Technology Screening Methodology**

Category	Criteria	Criteria Weight	Scoring Basis Guidelines

Table C-1 (cont) Nuclear Technology Screening Methodology			
Category	Criteria	Criteria Weight	Scoring Basis Guidelines

The screening methodology in Table 3 was applied to the seven technologies being screened. The detailed screening results are presented in Table 4.

**Table C-2  
Screening Results**

	Capital Cost			Energy Policy Act Benefits			Development Risk			Ability to License			Staffing			Safety and Environmental		
	15%			10%			10%			10%			5%			15%		
	Criteria Score	Wt	Category Total	Criteria Score	Wt	Category Total	Criteria Score	Wt	Category Total	Criteria Score	Wt	Category Total	Criteria Score	Wt	Category Total	Criteria Score	Wt	Category Total
ABWR																		
ACR-1000																		
AP1000																		
ESBWR																		
PBMR																		
US-APWR																		
US-EPR																		

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Table C-2 (cont) Screening Results														
	Fuel Cost and Availability			O&M Cost			Economy of Scale			Construction Schedule			Grand Total	Rank
	10%			15%			5%			5%				
	Criteria Score	Wt	Category Total	Criteria Score	Wt	Category Total	Criteria Score	Wt	Category Total	Criteria Score	Wt	Category Total		
ABWR														
ACR-1000														
AP1000														
ESBWR														
PBMR														
US-APWR														
US-EPR														

## Expected New Nuclear Power Plant Applications

**Table C-3**  
**Expected New Nuclear Power Plant Applications Updated April 4, 2007**

Company	Design Type	Site Under Consideration	State	Existing Plants
<b>2007 Applications</b>				
Duke	AP1000	William Lee Nuclear Station (2units)	SC	N
NuStart Energy	AP1000	Bellefonte (2 units)	AL	N
Progress Energy	AP1000	Harris (2 units)	NC	Y
Dominion	ESBWR	North Anna (1 unit)	VA	Y
NuStart Energy	ESBWR	Grand Gulf (1 unit)	MS	Y
South Carolina Electric & Gas	AP1000	Summer (2 units)	SC	Y
NRG Energy	ABWR	South Texas Project (2 units)	TX	Y
2007 TOTAL NUMBER OF APPLICATIONS=7 TOTAL NUMBER OF UNITS=12				
<b>2008 Applications</b>				
Progress Energy	AP1000	Levy County (2 units)	FL	N
Southern Nuclear Operating Co.	AP1000	Vogtle (2 units)	GA	Y
Entergy	ESBWR	River Bend (1 units)	LA	Y
UNISTAR	EPR	Calvert Cliffs (1 units)	MD	Y
UNISTAR	EPR	TBD (1 unit)	TBD	UNK
AmerenUE	EPR	Callaway (1 unit)	MO	Y
UNISTAR	EPR	Nine Mile Point (1 unit)	NY	Y
TXU Power	US APWR	Comanche Peak (2 units)	TX	Y
Exelon	TBD	TBD (1 unit)	TBD	UNK
Detroit Edison	TBD	Fermi (1 unit)	MI	Y
Amarillo Power	EPR	Vicinity of Amarillo (2 units)	TX	UNK
2008 TOTAL NUMBER OF APPLICATIONS=11 TOTAL NUMBER OF UNITS=15				
<b>2009 Applications</b>				
Florida Power & Light	TBD	TBD (1 unit)	UNK	UNK
2009 TOTAL NUMBER OF APPLICATIONS=1 TOTAL NUMBER OF UNITS=1				
2007-2009 TOTAL NUMBER OF APPLICATIONS=19 TOTAL NUMBER OF UNITS=28				