

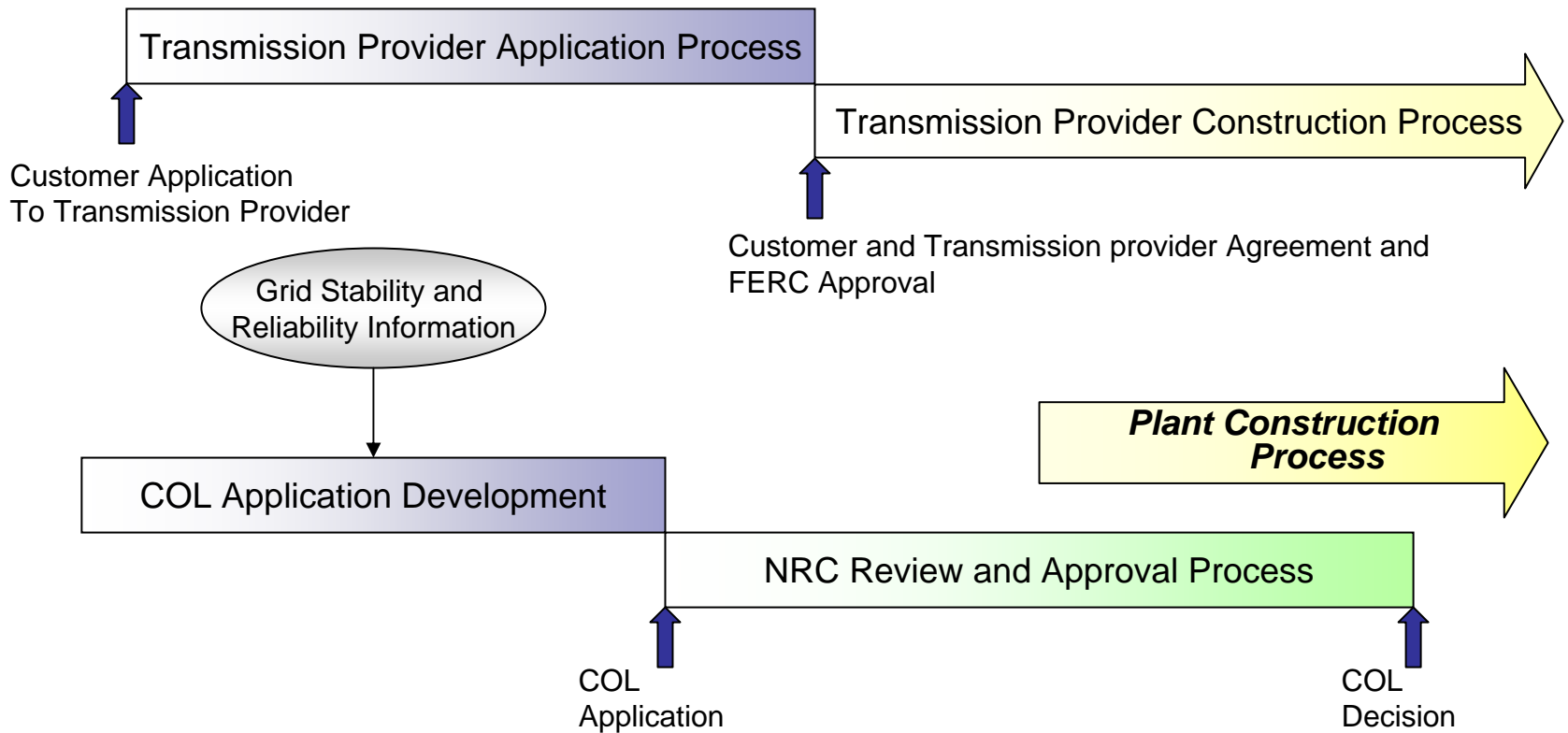


Grid Reliability Update on Anticipated Reactors

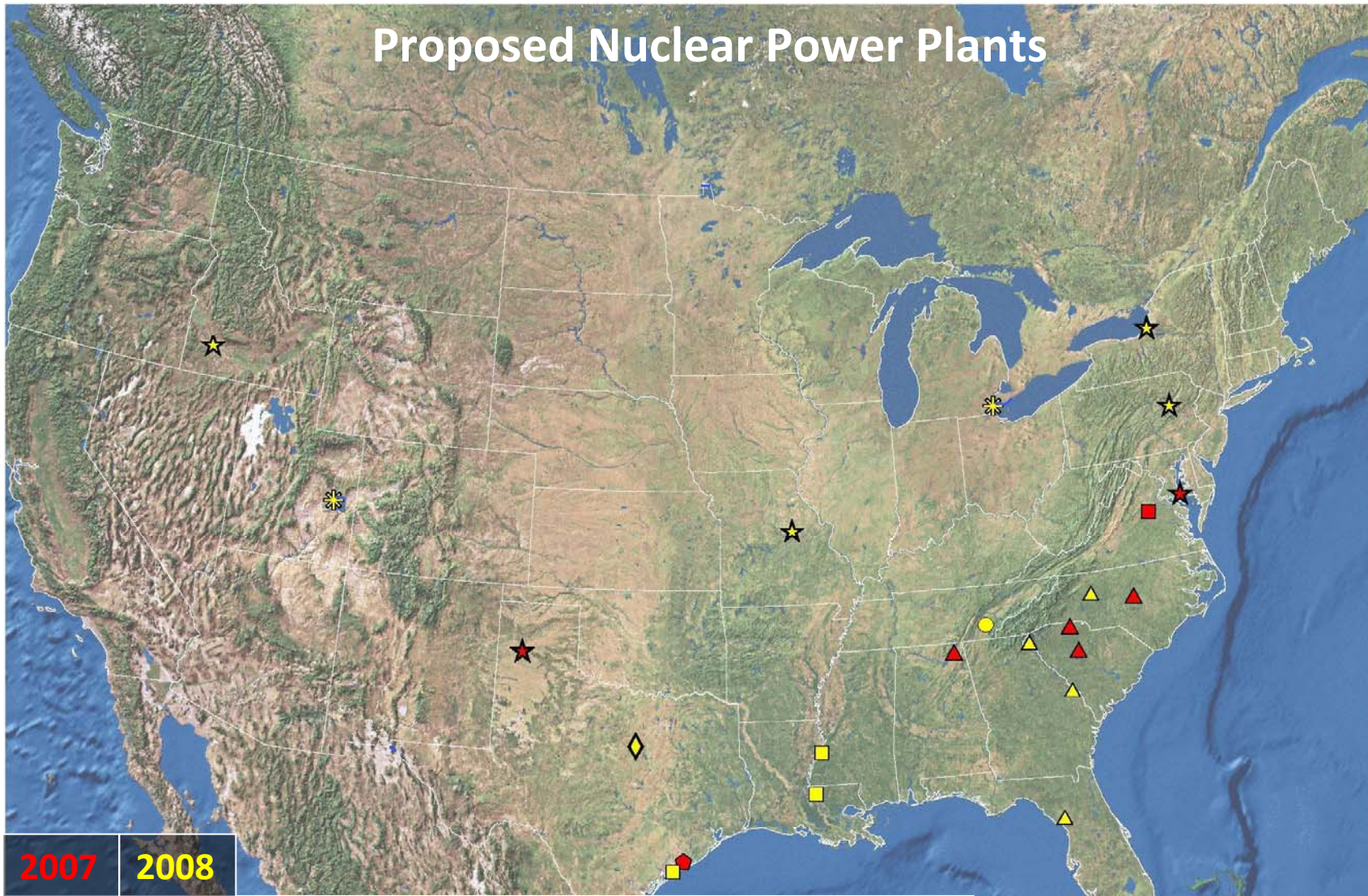
Michael E. Mayfield, Director
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Office of New Reactors

April 8, 2008

Parallel Review Process



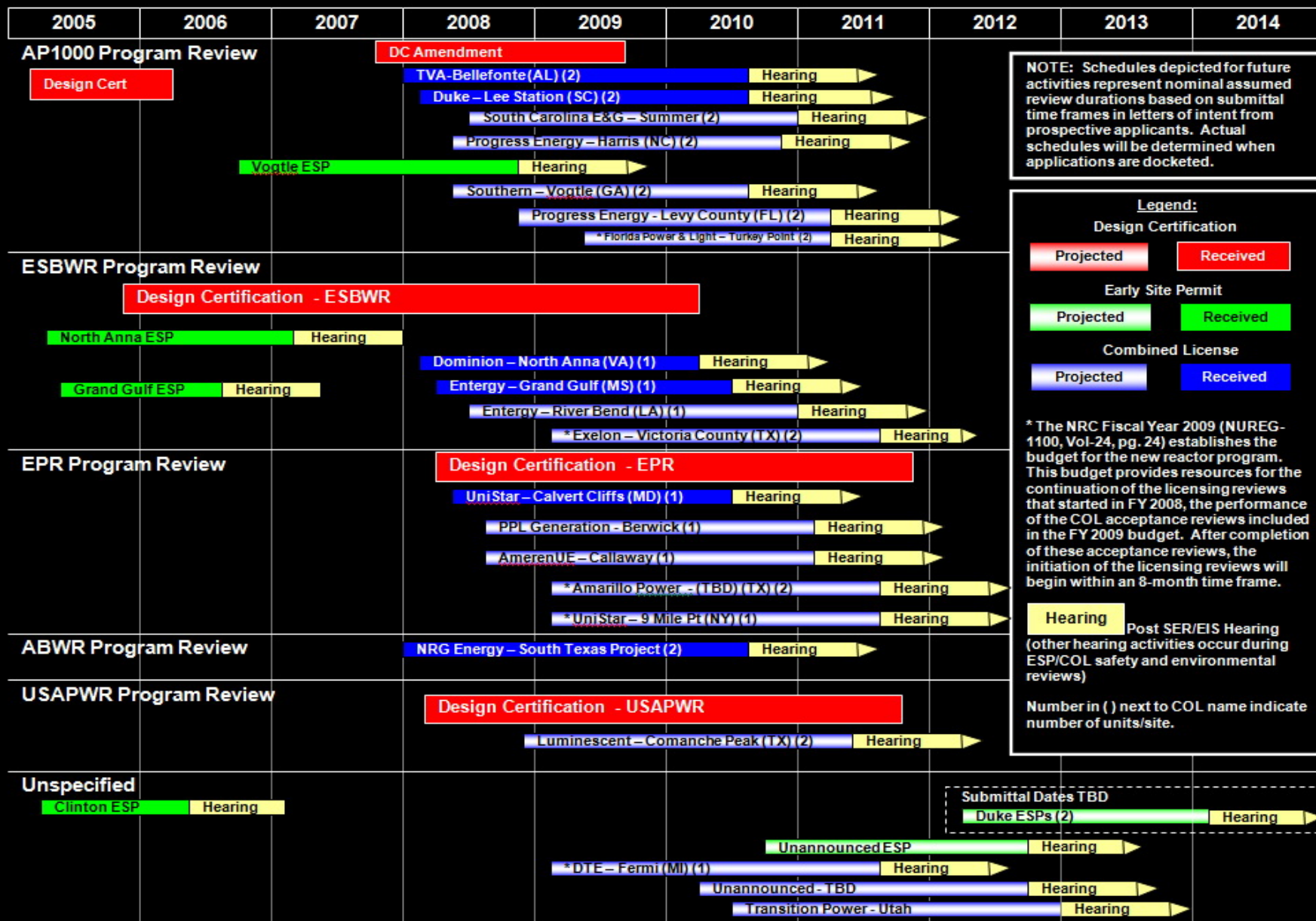
Proposed Nuclear Power Plants



2007		2008					
AP 1000	ESBWR	ABWR	EPR	US APWR	Unknown	Watts Bar	
1117 MWe	1550 MWe	1371 MWe	1600 MWe	1600 MWe	N/A	1200 MWe	
Certified	Under Review	Certified	Under Review	Under Review	N/A	Under Review	

New Reactor Licensing Applications (Site and Technology Selected)

An estimated schedule by Fiscal Year (October through September)



NOTE: Schedules depicted for future activities represent nominal assumed review durations based on submittal time frames in letters of intent from prospective applicants. Actual schedules will be determined when applications are docketed.

Legend:

Design Certification

Projected (Red bar) Received (Red bar)

Early Site Permit

Projected (Green bar) Received (Green bar)

Combined License

Projected (Blue bar) Received (Blue bar)

* The NRC Fiscal Year 2009 (NUREG-1100, Vol-24, pg. 24) establishes the budget for the new reactor program. This budget provides resources for the continuation of the licensing reviews that started in FY 2008, the performance of the COL acceptance reviews included in the FY 2009 budget. After completion of these acceptance reviews, the initiation of the licensing reviews will begin within an 8-month time frame.

Hearing (Yellow bar) Post SER/EIS Hearing (other hearing activities occur during ESP/COL safety and environmental reviews)

Number in () next to COL name indicate number of units/site.

Expected New Nuclear Power Plant Applications (Updated March 19, 2008)

Company (Project Number/Docket Number)	Design	Date Accepted	Site Under Consideration	State	Existing Op. Plant
Calendar Year (CY) 2007 Applications (Applications=4; Units=7)					
Duke (52-018/019)	AP1000	2/25/2008	William Lee Nuclear Station (2 units)	SC	N
NuStart Energy (52-014/015)	AP1000	1/18/2008	Bellefonte (2 units)	AL	N
Dominion (52-017)	ESBWR	1/29/2008	North Anna (1 unit)	VA	Y
NRG Energy (52-012/013)	ABWR	11/29/2007	South Texas Project (2 units)	TX	Y
Calendar Year (CY) 2008 Applications (Applications=15; Units=22)					
Progress Energy (738)	AP1000		Harris (2 units)	NC	Y
Progress Energy (756)	AP1000		Levy County (2 units)	FL	N
South Carolina Electric & Gas (743)	AP1000		Summer (2 units)	SC	Y
Southern Nuclear Operating Company (755)	AP1000		Vogtle (2 units)	GA	Y
Entergy (745)	ESBWR		River Bend (1 unit)	LA	Y
NuStart Energy (744)	ESBWR		Grand Gulf (1 unit)	MS	Y
Exelon (761)	ESBWR		Victoria County (2 units)	TX	N
UNISTAR (52-016)	EPR	1/25/2008	Calvert Cliffs (1 unit)	MD	Y
PPL Generation	EPR		Berwick (1 unit)	PA	Y
AmerenUE (750)	EPR		Callaway (1 unit)	MO	Y
UNISTAR (759)	EPR		Nine Mile Point (1 unit)	NY	Y
Luminant Power (754)	USAPWR		Comanche Peak (2 units)	TX	Y
Detroit Edison (757)	TBD		Fermi (1 unit)	MI	Y
Amarillo Power (752)	EPR		Vicinity of Amarillo (2 units)	TX	UNK
Calendar Year (CY) 2009 Applications (Applications=1; Units=2)					
Florida Power and Light (763)	AP1000		Turkey Point (2 units)	FL	Y
Calendar Year (CY) 2010 Applications (Applications=2; Units=2)					
Transition Power	TBD		Utah	UT	N
Unannounced	TBD		TBD	TBD	UNK