

Capacity Need Forum Proposed Integration Scenarios/September 22, 2005

	Traditional Power	Emissions	Energy Conservation	Non-Traditional
	Assume Clean Air Interstate Rule and Clean Air Mercury Rule for environmental regulations.	Mercury removal requirements raised to 85% from 1999 baseline emissions in 2018. Carbon tax at \$30 per ton carbon by 2018.	Energy conservation portfolio wired in. CT's maybe assumed to be demand control options.	Mandated Renewable Portfolio Standard of 3% by 2008, 5% by 2010 and 7% by 2015.
Resource Units				
PC Unit	X	X	X	
CT Unit	X	X	X	X
GCC Unit	X	X	X	X
IGCC Unit	X		X	X
IGCC C Seq.		X		
Nuclear Unit	X	X	X	X
Waste Energy			X	X
Wind Generation		X	X	X
Cogeneration		X		X
Energy Conservation			X	
Sensitivities				
High Load	X	X	X	X
Low Load	X		X	X
High Gas Cost	X	X	X	X
Max Import ¹	X			
Restricted Import ²	X			
Non-Traditional with PC				X
Assumptions				
Normal price driven energy conservator	X	X	X	
Carbon tax (\$10.00=2010-\$30.00=2018) ³		X		
85% Mercury Emissions Removal		X		
IGCC has CO2 sequestering		X		
Max energy conservation options			X	
Maximum waste to energy				X
Maximum Cogeneration				X
Scale-up Renewables to Reflect RPS				X
Assumed Transfer Capability(Normal)	3,000-3,500	3,000-3,500	3,000-3,500	3,000-3,500
<div style="border: 1px solid black; padding: 5px;"> 1) Teir 1 transmission upgrades 2) 1,500 MW transfer to OH 3) Nominal dollars </div>				