

Consensus Design Criteria (or Component)		Consensus Importance level	Brainstorm Potential Component Solutions							Notes
			A	B	C	D	E	F	G	
1	Maximum Startup Times	Medium	Tied to physical characteristics of the unit	Defined by unit class	Defined for each individual unit	Cold / Hot / Medium Startup based on how unit is layed up	Maximum COLD Start / best estimate	Needs to accommodate multi unit starts at a single plant.		Allow updates to changes in physical characteristics
2	Maximum Notification Times	High	Based on typical notification required to startup a "typically staffed" unit	includes fuel scheduling issues	Needs to accommodate multi unit starts at a single plant.	Retirements	staffing issues (labor unions, holidays)	Meet a readiness standard when economically necessary.	resource limited	
3	"Exception" "Notice of Extended Notification"	Medium	applies to startup times	applies to notification times	exception based - PJM approval	Notification based (not exception)	Meet a readiness standard when economically necessary.			
4	Alerts For Readiness	High	Takes units from exception to "MAX"	Should target specific units based on economic value	Consider Summer Peak And Winter Peak Days with reduced off season requirements	Zonal	Meet a readiness standard when economically necessary.			
5	Total MAX Startup & Notification Time (not to exceed)	Low	combined must be less than 48 hours						Exception	Discussion of 2 different types of cases at the extreme end of the exceptions
6	Scheduling Tool Changes to accommodate rule change*	High	Must look out at least 7 days (through the weekend)	Must Make Economic Choice to Move Units with long notifications to a readiness state	Must consider multi-day scheduling and eliminate 24 Hr limits in eMkt.	Must look out at least 4-5 days (through the weekend)				NOTE - May not be a component; capture local or transmission outage issues
7										

No Decision Criteria are developed, as individuals will defer on the valuation (as to which potential componenet is better and by how much)

Consensus Packaged Solution is:

Principal applies to non-consensus decisions (Tier 2), with another package selected as an alternate:

Minimum Requirements

RECOMMENDED

- 1 Cannot require a generator to face unnecessary expenses through imprudent operating requirements.
- 2 Must address weekday / weekend operations.
- 3 Must address base load unit operating requirements and other operating limitations. (And any other technology limits for other types of generators).
- 4 Must provide for Generator cost recovery for incurred expenses to maintain readiness.
- 5 Must be within the PJM scheduling capability with a combination of automated and manual intervention (interim measure only).
- 6 Must include a long term, permanent solution to allow generation resources to be properly and economically scheduled for a minimum of 7 days.
- 7 Rules should defer to resource owner/operator's business decisions and preferences when reliability risk is low.

	Consensus Design Criteria (or Component)	Consensus Importance level	Brainstorm Potential Component Solutions								
			A	B	C	D	E	F	G	H	
1	Maximum Startup Times	Medium	Tied to physical characteristics of the unit	Defined by unit class	Defined for each individual unit	Cold / Hot / Medium Startup based on how unit is layed up	Maximum COLD Start / best estimate	Needs to accommodate multi unit starts at a single plant.			NOTE - can update changes in physical characteristics
2	Maximum Notification Times	High	Based on typical notification required to startup a "typically staffed" unit	includes fuel scheduling issues	Needs to accommodate multi unit starts at a single plant.	Retirements	staffing issues (labor unions, holidays)	Meet a readiness standard when economically necessary.	resource limited		
3	"Exception" "Notice of Extended Notification"	Medium	applies to startup times	applies to notification times	exception based - PJM approval	Notification based (not exception)	Meet a readiness standard when economically necessary.				
4	Alerts For Readiness	High	Takes units from exception to "MAX"	Should target specific units based on economic value	Consider Summer Peak And Winter Peak Days with reduced off season requirements	Zonal	Meet a readiness standard when economically necessary.				
5	Total MAX Startup & Notification Time (not to exceed)	Low	combined must be less than 48 hours		6	7	8	9	10	Exception	2 different types of cases
6	Scheduling Tool Changes to accommodate rule change*	High	Must look out at least 7 days (through the weekend)	Must Make Economic Choice to Move Units with long notifications to a readiness state	Must consider multi-day scheduling and eliminate 24 Hr limits in eMkt.	Must look out at least 4-5 days (through the weekend)					NOTE - May not be a component; capture local or transmission outage issues
7											

No Decision Criteria are developed, as individuals will defer on the valuation (as to which potential componenet is better and by how much)

Consensus Packaged Solution is:

Principal applies to non-consensus decisions (Tier 2), with another package selected as an alternate:

Consensus Design Criteria (or Component)		Consensus Importance level	Brainstorm	
			A	B
1	Design Criteria 1	Medium	Potential Component Solution 1A	Potential Component Solution 1B
2	Design Criteria 2	High	Potential Component Solution 2A	Potential Component Solution 2B
3	Design Criteria 3	Medium	Potential Component Solution 3A	Potential Component Solution 3B
4	Design Criteria 4	Low	Potential Component Solution 4A	Potential Component Solution 5B
5	Design Criteria 5	High	Potential Component Solution 5A	Potential Component Solution 5B

No Decision Criteria are developed, as individuals will defer on the valuation (as to which potential Consensus Packaged Solution is 1B/2C/3A/4B/5D)
Principal applies to non-consensus decisions (Tier 2), with another package selected as an alternative

n Potential Component Solutions		
C	D	E
Potential Component Solution 2C	Potential Component Solution 2D	Potential Component Solution 2E
Potential Component Solution 3C		
Potential Component Solution 5C	Potential Component Solution 5D	

al componenet is better and by how much)

ate (e.g. 1A/2B/4A/5C)

Collaborative Solution Develop

Consensus Design Criteria (or Component)		Concensus Importance Level	Brainst	
			A	B
1	Design Criteria 1	Medium	Potential Component Solution 1A	Potential Compon Solution 1B
2	Design Criteria 2	High	Potential Component Solution 2A	Potential Compon Solution 2B
3	Design Criteria 3	Medium	Potential Component Solution 3A	Potential Compon Solution 3B
4	Design Criteria 4	Low	Potential Component Solution 4A	Potential Compon Solution 4B
5	Design Criteria 5	High	Potential Component Solution 5A	Potential Compon Solution 5B

No Decision Criteria are developed, as individuals will differ on the valuation (as to which pote
Consensus Packaged Solution is: 1B/2C/3A/4B/5D
 Principal applies to non-consensus decisions (Tier 2), with another package selected as an a

ement Matrix

formed Potential Component Solutions			
	C	D	E
ent			
ent	Potential Component Solution 2C	Potential Component Solution 12D	Potential Component Solution 2E
ent	Potential Component Solution 3C		
ent			
ent	Potential Component Solution 5C	Potential Component Solution 5D	

ential component solution is better and by how much

alternate (e.g. 1 A/2B/3B/4A/5C)