Cyclic Starting & Peaking Factor Potential Outage Impact

Cost Development Subcommittee

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Cyclic Starting & Peaking Factor Overhaul Impact

With Overhauls & Cyclic Factors		
Starts Count =	274	
Operating Hours =	5,599	
EOH =	8,339	
Overhaul every	4.2	Years

Without Overhauls & Cyclic Factors		
Starts Count =	284	
Operating Hours =	5,766	
EOH =	20,138	
% Increase =	141	
Overhaul every	1.7	Years

Without Overhauls & With Cyclic Factors		
Starts Count =	270	
Operating Hours =	6,086	
EOH =	8,786	
% Increase =	5	
Overhaul every	4.0	Years

Analysis Assumptions

- 2 x 1 Combined Cycle from Previous Example
- 2012 RTO LMPs
- 2012 Spot Gas Prices
- VOM with & without Overhauls based on Previous Example 20 Year History
- 4 Hour Minimum Run Time
- Start Cost + Operating Cost <= Output * LMP
- (After 4 Hours) Operating Cost <= Output * LMP
- Peaking Segment Incremental Cost w/Out Cyclic Factors < Base Segment incremental Cost