

APPENDIX IV – Additional Responses to Stakeholder Questions

FSSTF

Updated: 11/22/2019



Winter Capability Scaling Factors used in PROMOD and Plexos Simulations

Posted in response to questions from 10/25/2019 FSSTF

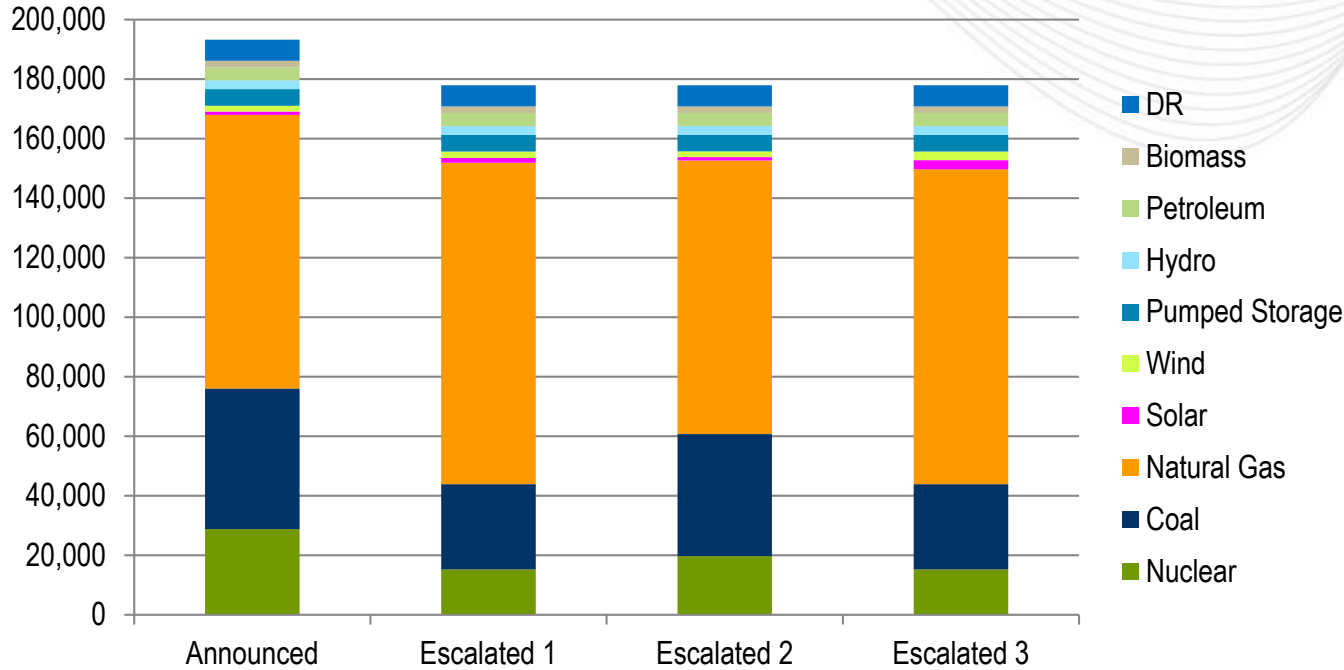
Resource Type	Average Scaling Factor Multiplied by Resource Summer Capacity to Account for Increased Thermal Capability in Winter
Natural Gas Combined Cycle	1.04
Natural Gas Combustion Turbine	1.10
Oil Combustion Turbine	1.24
Oil Steam	1.02
Coal	1.01
Nuclear	1.02



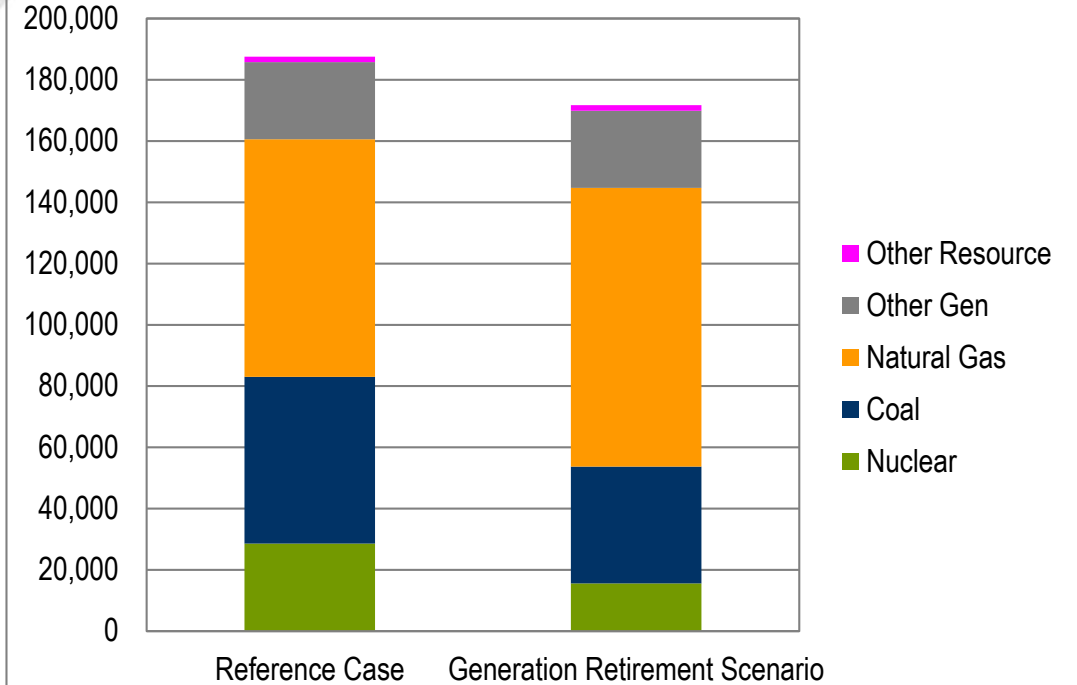
Portfolio Comparison with NERC Retirement Assessment

Posted for 10/25/2019 FSSTF, from stakeholder question about portfolios used in PJM analysis compared to portfolios used in NERC analysis

PJM Fuel Security Analysis Portfolios - 2023



NERC Generation Retirement Scenario Assessment - 2022



	PJM Fuel Security Analysis Portfolios (2023)				NERC Generation Retirement Scenario Assessment (2022)	
	<i>Announced</i>	<i>Escalated 1</i>	<i>Escalated 2</i>	<i>Escalated 3</i>	<i>Reference Case</i>	<i>Generation Retirement Scenario</i>
Natural Gas	91,896	108,013	91,896	105,826	77,523	91,007
Coal	47,241	28,643	41,051	28,643	54,432	38,103
Nuclear	28,800	15,233	19,672	15,233	28,620	15,602
Portfolio IRM	25.80%	15.8%	15.8%	15.8%	27.4%	16.6%

[https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC Retirements Report 2018 Final.pdf](https://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/NERC%20Retirements%20Report%202018%20Final.pdf)