

Jefferies & Co., Inc. Electric Utilities Group

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Fixed Cost (\$/kW) for Different Generation

Fixed Cost	\$/kW
Gas	925
Wind	1,500
Solar	2,350
Coal	2,500
Nuclear	5,000

Variable Cost (\$/MWh) for Different Generation

Variable Cost	\$/MWh	Utilization
Wind	0	25%
Solar	0	15%
Nuclear	8	95%
Gas CCGT	21	25-60%
Coal (CAPP Delivered)	35	40-80%
Gas Peaker	35	5%

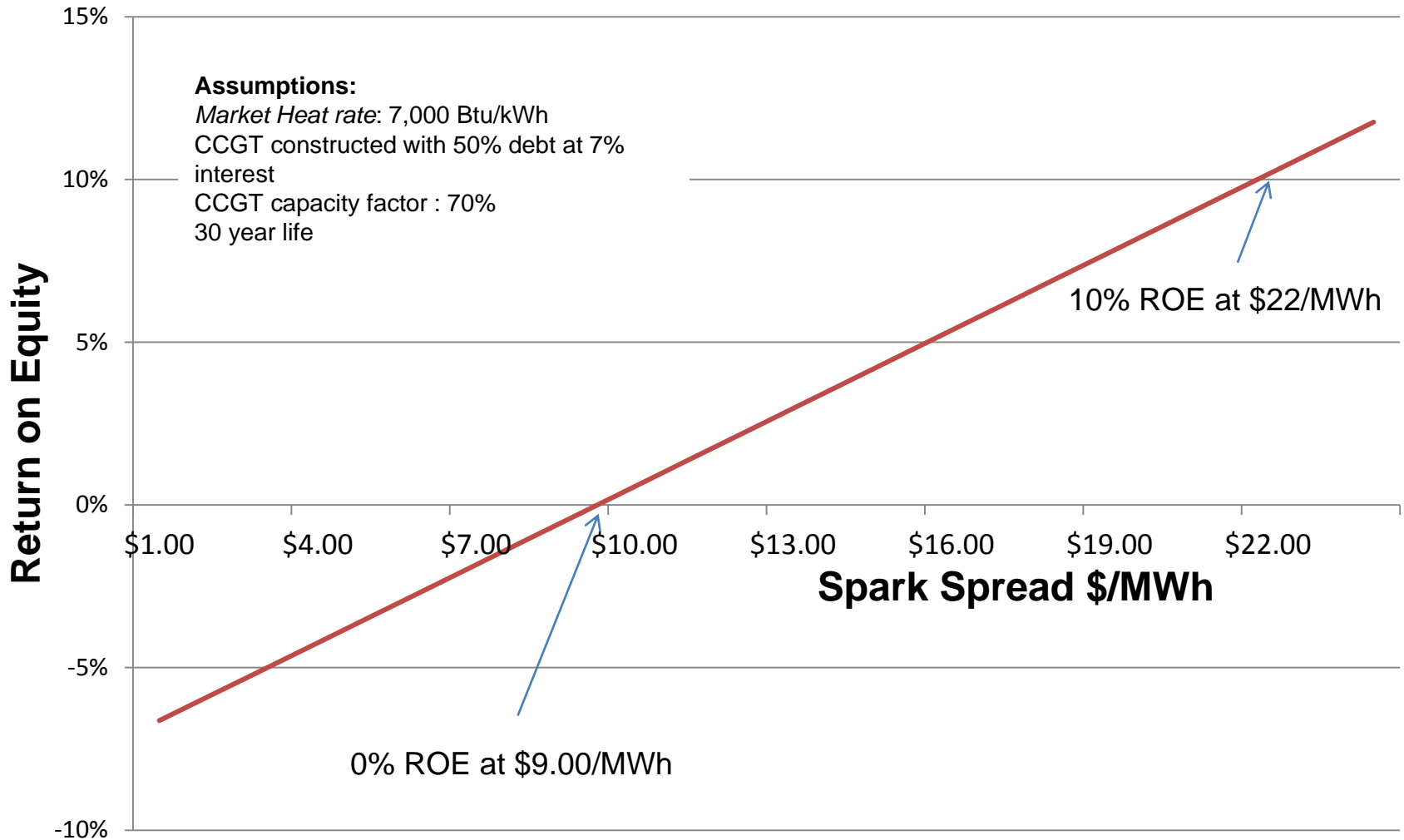
Gas Margin

		\$/MWh	MW/MWh	\$ million
Power price		\$43		
Gas Variable cost		\$28		
Margin		\$15		
Capacity			1,000	
Production			4.38 million	
Margin				66

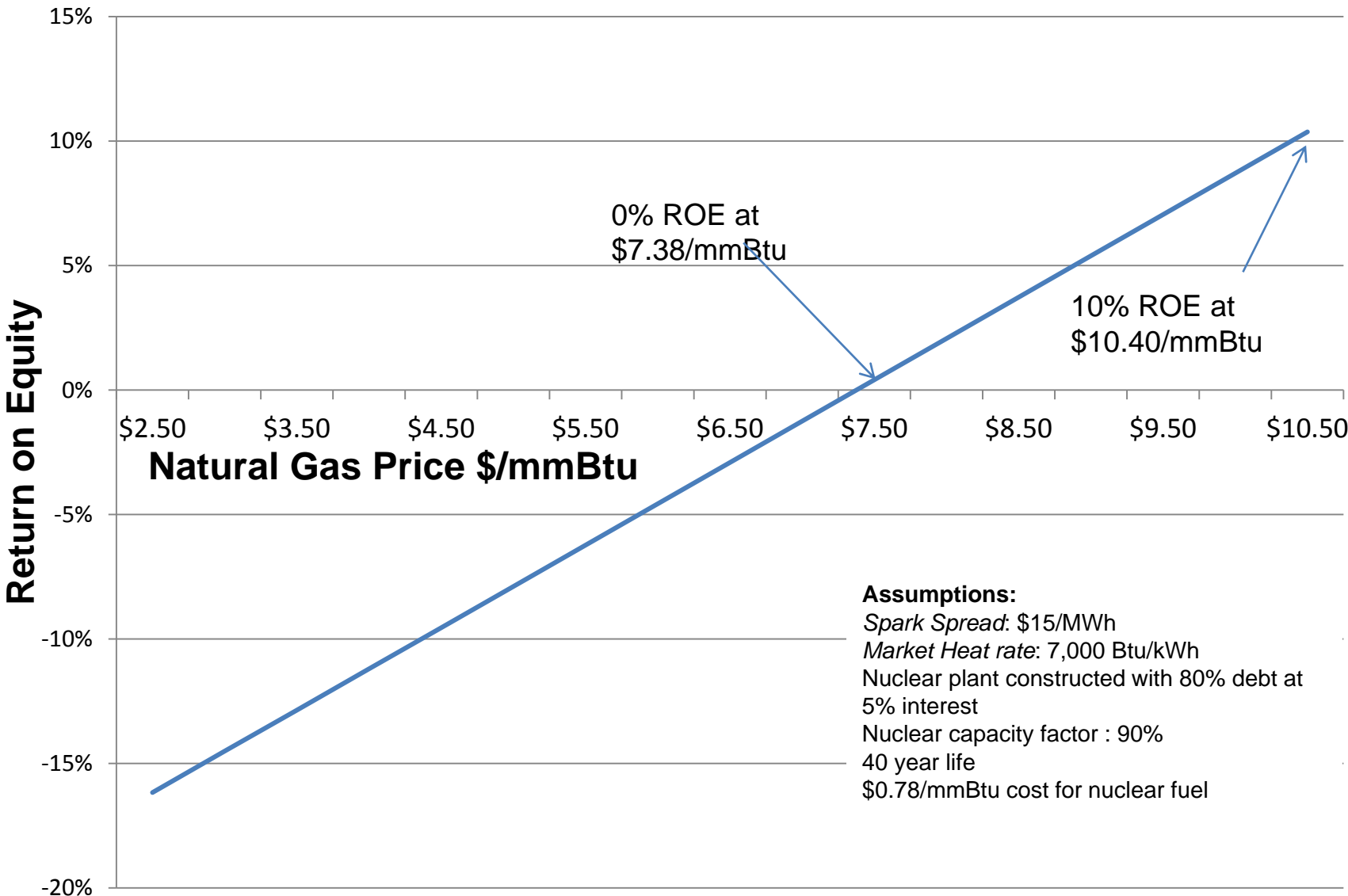
Coal Margin

		\$/MWh	MW/MWh	\$ million
Power price		\$43		
Coal Variable cost		\$35		
Margin		\$8		
Capacity			1,000	
Production			7 million	
Margin				56

CCGT Economics Costing \$925 per kW at Various Spark Spreads

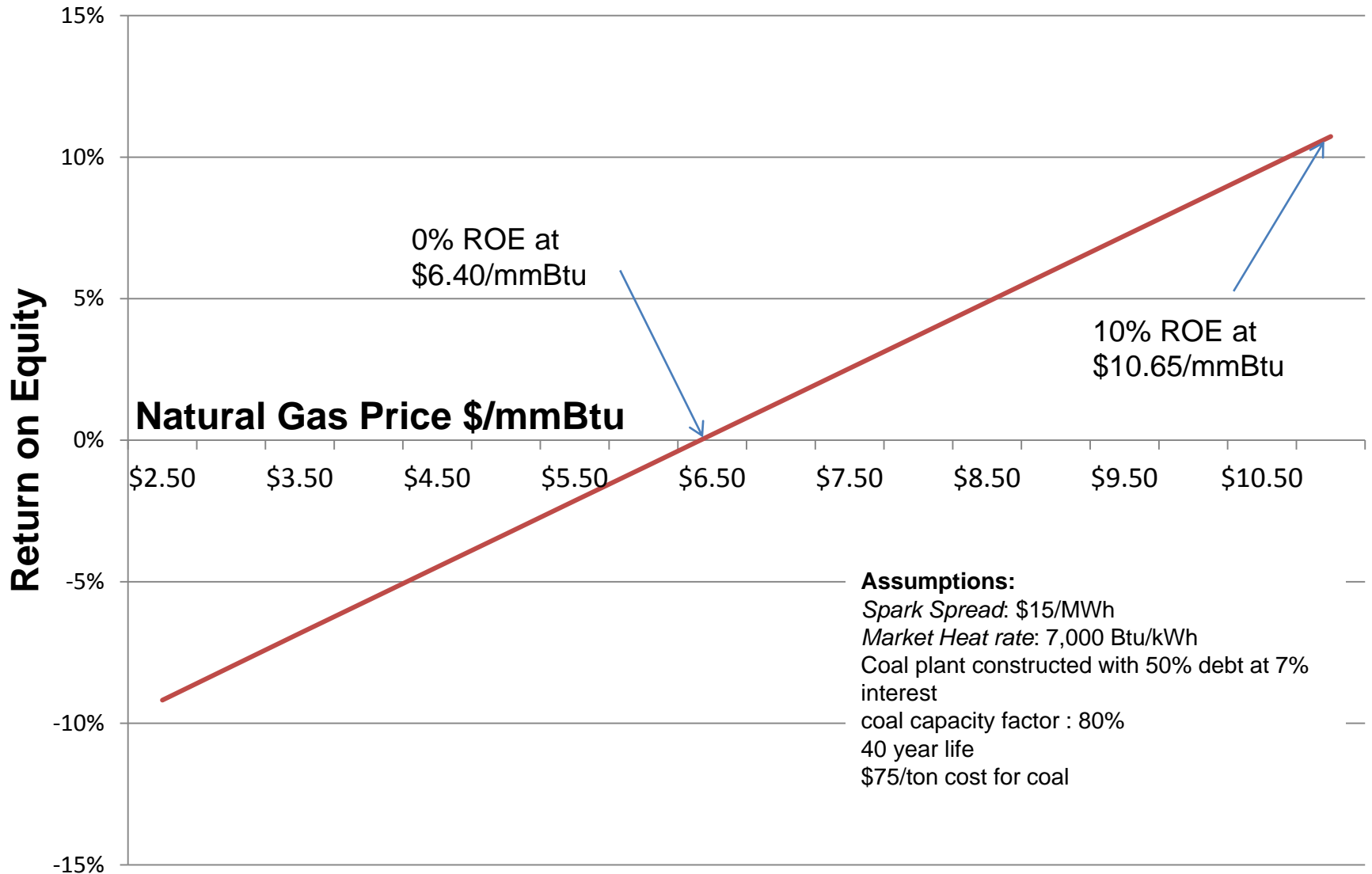


Nuclear Plant Economics Costing \$5,000 per kW at Various Gas Prices

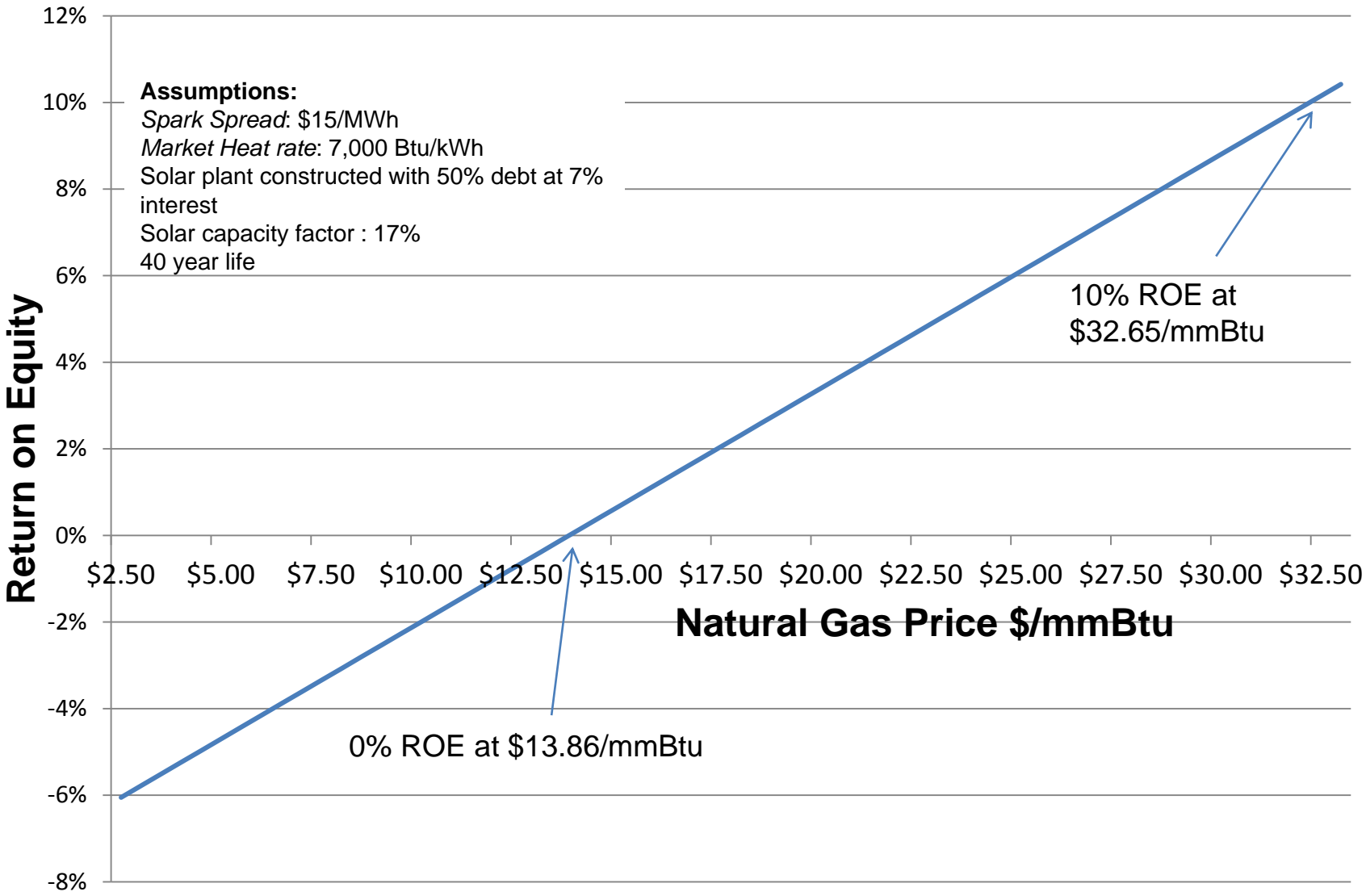


Assumptions:
 Spark Spread: \$15/MWh
 Market Heat rate: 7,000 Btu/kWh
 Nuclear plant constructed with 80% debt at 5% interest
 Nuclear capacity factor : 90%
 40 year life
 \$0.78/mmBtu cost for nuclear fuel

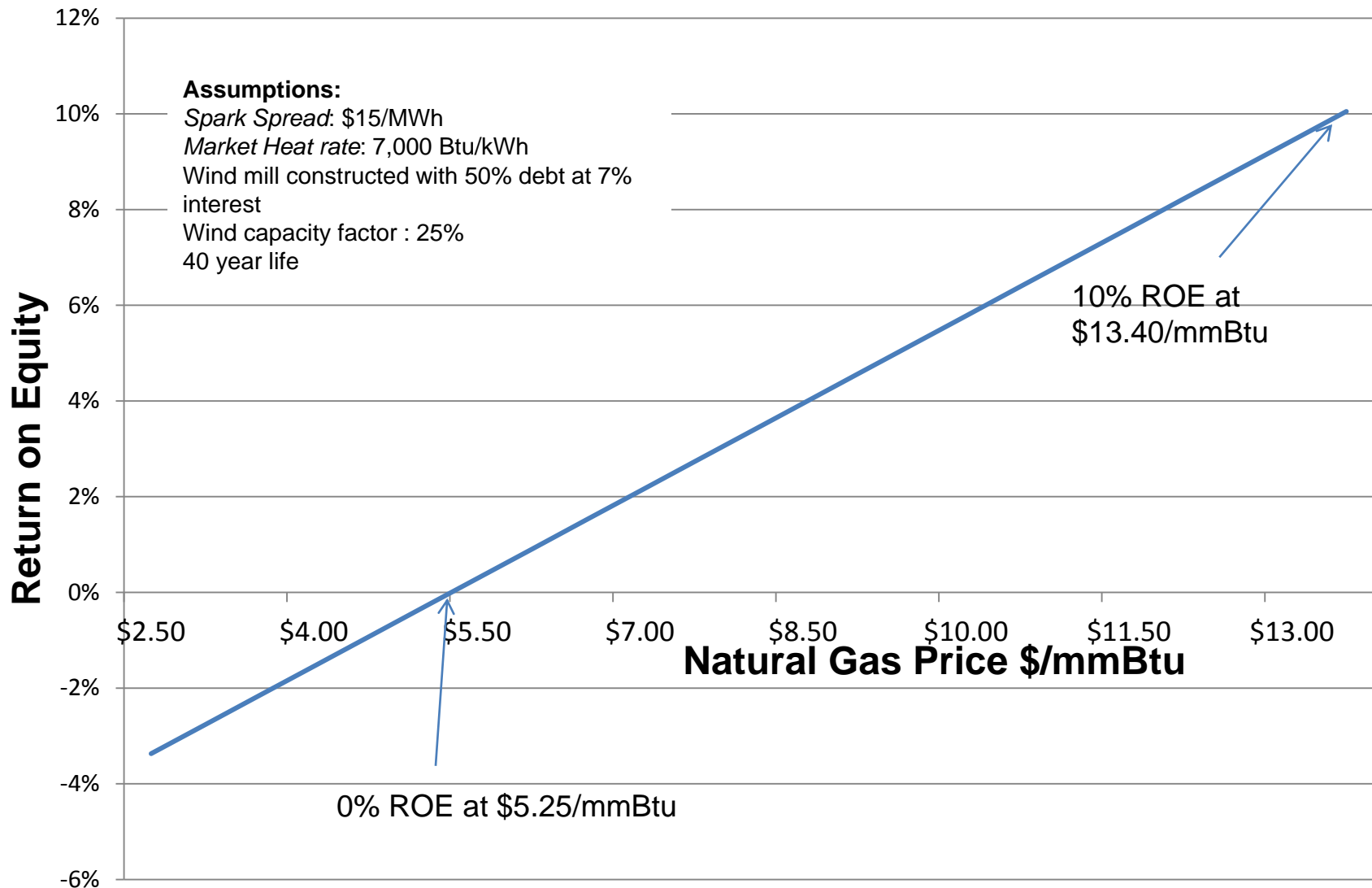
Coal Plant Economics Costing \$2,500 per kW at Various Gas Prices



Solar Economics Costing \$2,350 per kW at Various Gas Prices



Wind Economics Costing \$1,500 per kW at Various Gas Prices



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