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**Attachment 4NP to the  
Enclosure to PLA-7500**

**Capacity Factor Assumptions  
(Redacted, Non-Proprietary Version)**

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Capacity Factor Assumptions

		BASE CASE				
		2017	2018	2019	2020	2021
<b>A</b>	Capacity (MW)					
	Unit 1					
	Unit 2					
	Station	-	-	-	-	-
<b>B</b>	Period Hours					
<b>C</b>	Planned Outage Days					
	Unit 1					
	Unit 2					
	Station	-	-	-	-	-
<b>D</b>	EPOF $[(C * 24)/B]$					
	Unit 1					
	Unit 2					
	Station					
<b>E</b>	Adj. EUOF					
<b>F</b>	Utilization Factor*					
	Unit 1					
	Unit 2					
	Station					
<b>G</b>	Generation (MWh) $[A*B*(1-D-E)*F]$					
	Unit 1					
	Unit 2					
	Station					
<b>H</b>	Potential Generation (MWh) $[A*B]$					
	Unit 1	-	-	-	-	-
	Unit 2	-	-	-	-	-
	Station	-	-	-	-	-
<b>I</b>	Capacity Factor $[G/H]$					
	Unit 1					
	Unit 2					
	Station					

\* Utilization Factor is greater than 100% due to the units ability to produce more than the summer tested capacity on file with PJM during months with colder temperatures.

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**Attachment 5 to the  
Enclosure to PLA-7500**

**Decommissioning Funding Assurance**

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**Attachment 5**  
**Calculation of Escalation Factors**

**Used in Computation of Minimum Financial Assurance**  
**Amount for Decommissioning**  
**Susquehanna Steam Electric Station Units 1 and 2**

Boiling Water Reactor (BWR)  
Escalation Factor

$$\text{Formula - } 0.65(L) + 0.13(E) + 0.22(B)$$

$$\text{Escalation} = (.65 \times 2.713) + (.13 \times 1.752) + (.22 \times 14.160)$$

$$\text{Escalation} = (1.763 + .228 + 3.115) = 5.106$$

(L) - Labor - (Bureau of Labor Statistics, Table 6, Compensation, Employment Cost Index, for total compensation, private industry workers, by bargaining status, region and area size)

Northeast region - December 2015 Index Number	125.6
December 2005 Index Number	100.0
December 2005 Base	2.16

$$L = \frac{125.6}{100.0} \text{ times } 2.16 \text{ Equals } 2.713$$

(E) - Energy - (Producer Price Index Commodities, Series ID: WPU0543 and WPU0573)

$$\begin{aligned} E &= (.54P + .46F) \\ E &= (.54 \times 1.881) + (.46 \times 1.599) \\ E &= 1.016 + .736 = 1.752 \end{aligned}$$

P - Industrial Power, 500 kW Demand - (Commodity 0543)

December 2015 Index Number	214.8
January 1986 Index Number	114.2 (1)

$$P = \frac{214.8}{114.2} \text{ equals } 1.881$$

F - Light Fuel Oils - (Commodity 0573)  
December 2015 Index Number      131.1  
January 1986 Index Number      82.0

$$F = \frac{131.1}{82.0} \text{ equals } 1.599$$

(B) Waste Burial

NUREG - 1307, Rev. 15, "NRC Report on Waste Burial Charges"

Table 2.1

Generic LLW Disposal Site, Combination of Compact-  
Affiliated and Non-Compact Facility      14.160

- (1) Represents the national base value of P at January 1986. The base value of P is no longer determined on a regional basis.

**Susquehanna Nuclear, LLC**  
**Computation of Minimum Financial Assurance Amount for Decommissioning**  
**Susquehanna Steam Electric Station**  
**Units 1 and 2**

	<u>Unit 1</u>	<u>Unit 2</u>
Base amount for BWR greater than 3,400 MWt = \$135 million The Power Level of Unit 1 = 3,952 MWt and Unit 2 = 3,952 MWt	\$135,000,000	\$135,000,000
Ownership Percentage	90%	90%
Base Amount per Unit	\$121,500,000	\$121,500,000
Escalation Factor	5.106	5.106
Escalated Amount per Unit	\$620,379,000	\$620,379,000
Total Escalated Amount (Unit 1 + Unit 2)	\$1,240,758,000	