

**MINIMUM DECOMMISSIONING COST - PER 10 CFR 50.75 FORMULA PROCESS**  
**(\$ Millions)**

**Determine Estimated Decommissioning Costs in 1986 Dollars:**

\$ 105.00 = 1986\$ Cost [ From 10 CFR 50.75 (c)(1)(i) For PWR ≥ 3400 MWt ]

**Calculate Labor Adjustment Factor (Lx):**

2.751 = Lx  
U. S. Department of Labor, Bureau of Labor Statistics;  
Employment Cost Index for total compensation, for private industry workers, by bargaining status, census region and division, and metropolitan area status  
Midwest Region  
Base Lx = 2.080 (December 2005 = 100)  
December-2018 ECI = 132.3 (December 2005 = 100)  
 $Lx = [(Base\ Lx / 100) * ECI]$

**Calculate Energy Adjustment Factor (Ex):**

2.365 = Ex

**From NUREG-1307 Revision 16**

$Ex = Px (Px\ Coefficient) + Fx (Fx\ Coefficient)$

0.58 = Px Coefficient (For PWR)

0.42 = Fx Coefficient (For PWR)

**Determine Px Value**

2.103 = Px

U. S. Department of Labor, Bureau of Labor Statistics;

Producer Price Index - Commodities

Series ID: WPU0543

Not Seasonally Adjusted

Fuels and related products and power

Industrial electric power

1982 = 100

January 1986 Value of PPI Series ID WPU0543 = 114.200

December 2018 Value of PPI Series ID WPU0543 = 240.200

$Px = \text{December 2018 Value of PPI Series ID WPU0543} / \text{January 1986 Value of PPI Series ID WPU0543}$

**Determine Fx Value**

2.727 = Fx

U. S. Department of Labor, Bureau of Labor Statistics;

Producer Price Index - Commodities

Series ID: WPU0573

Not Seasonally Adjusted

Fuels and related products and power

Light fuel oils

1982 = 100

January 1986 Value of PPI Series ID WPU0573 = 82.000

December 2018 Value of PPI Series ID WPU0573 = 223.600

$Fx = \text{December 2018 Value of PPI Series ID WPU0573} / \text{January 1986 Value of PPI Series ID WPU0573}$

**Calculate Waste Burial Adjustment Factor (Bx):**

12.853 = Bx

**From NUREG-1307 Revision 17**

Table 2-1

Bx Values for Generators Located in the Unaffiliated States and those Located in Compact-Affiliated States having no Disposal Facility

PWR

**Calculate the Decommissioning Cost Estimate - December 2018\$**

$\text{Estimated Cost (Year x)} = [1986\$ \text{ Cost}] * [(A * Lx) + (B * Ex) + (C * Bx)]$

0.65 = Lx Coefficient (A)

0.13 = Ex Coefficient (B)

0.22 = Bx Coefficient (C)

**\$ 516.964 = Estimated December 2018\$ Cost**