

**Nuclear Decommissioning Minimum Cost Estimates Based on Escalation Factors
December 2009 for Labor and Energy Factors and Burial Cost Factor per NUREG
1307, Revision 13, Issued November 2008**

Labor Region	Reactor	Compact	Burial Contract	Cost (\$MM) ¹	Compound Growth (%) ²	% Change '08-'09 (%)
Northeast	PWR	Atlantic	Direct	773.4	9.1	0.5
Northeast	PWR	Atlantic	Waste Vendor	418.6	6.2	1.0
Northeast	PWR	Non-Atlantic	Direct	773.4	9.1	0.5
Northeast	PWR	Non-Atlantic	Waste Vendor	418.6	6.2	1.0
Northeast	BWR	Atlantic	Direct	913.9	8.7	0.6
Northeast	BWR	Atlantic	Waste Vendor	578.1	6.5	1.0
Northeast	BWR	Non-Atlantic	Direct	913.9	8.7	0.6
Northeast	BWR	Non-Atlantic	Waste Vendor	578.1	6.5	1.0
South	PWR	Atlantic	Direct	759.1	9.0	0.5
South	PWR	Atlantic	Waste Vendor	404.3	6.0	1.0
South	PWR	Non-Atlantic	Direct	759.1	9.0	0.5
South	PWR	Non-Atlantic	Waste Vendor	404.3	6.0	1.0
South	BWR	Atlantic	Direct	895.5	8.6	0.6
South	BWR	Atlantic	Waste Vendor	559.7	6.4	1.0
South	BWR	Non-Atlantic	Direct	895.5	8.6	0.6
South	BWR	Non-Atlantic	Waste Vendor	559.7	6.4	1.0
Midwest	PWR	Non-Atlantic	Direct	763.8	9.0	0.4
Midwest	PWR	Non-Atlantic	Waste Vendor	409.0	6.1	0.8
Midwest	BWR	Non-Atlantic	Direct	901.6	8.6	0.5
Midwest	BWR	Non-Atlantic	Waste Vendor	565.8	6.4	0.8
West	PWR	Non-Atlantic	Direct	765.2	9.0	0.5
West	PWR	Non-Atlantic	Waste Vendor	410.4	6.1	1.0
West	PWR	Washington	Direct	373.7	5.7	1.1
West	PWR	Washington	Waste Vendor	301.4	4.7	1.3
West	BWR	Non-Atlantic	Direct	903.4	8.6	0.6
West	BWR	Non-Atlantic	Waste Vendor	567.6	6.4	1.0
West	BWR	Washington	Direct	923.6	8.7	0.6
West	BWR	Washington	Waste Vendor	855.4	8.4	0.6

Prepared by: Duff & Phelps Investment Management Co. February 2010

¹ Based on escalation formula of 0.65L (labor) + 0.13E (energy) + 0.22B (burial) and 1986 Base Cost of \$105 million for PWR Reactor and \$135 million for BWR Reactor.

² Compound Growth = Annualized % change over 23 years from 1986 Base Cost.

Nuclear Decommissioning Minimum Cost Estimate Escalation Factors
As of December 2009 for Labor and Energy.
Burial Cost Factors are from NRC NUREG 1307,
Revision 13, Issued November 2008.

Labor Factors as of December 2009	
Northeast	2.40
South	2.19
Midwest	2.26
West	2.28

Energy Factors as of December 2009	
PWR(1)	1.96
BWR(2)	1.99

	Burial Factors as of July 2008	
	<u>PWR(1)</u>	<u>BWR(2)</u>
Washington Burial Site(3)		
Direct	8.283	23.185
Waste Vendor	5.153	20.889
Barnwell, South Carolina Burial Site		
<i>Atlantic Compact(4)</i>		
Direct	25.231	22.504
Waste Vendor	9.872	11.198
Non-Atlantic Compact(5)		
Direct	25.231	22.504
Waste Vendor	9.872	11.198

(1) Pressurized Water Reactor

(2) Boiling Water Reactor

(3) Applicable to Northwest and Rocky Mountain Compacts

(4) Atlantic Compact Consists of Connecticut, New Jersey and South Carolina for burial at Barnwell, South Carolina.

(5) NRC is assuming Atlantic Compact Factors will apply to Non-Atlantic Compact even though Barnwell burial site is not accepting waste from outside the Atlantic Compact as of 7-1-08

Note: This report was compiled for educational purposes only by Duff & Phelps Investment Management Co. from public sources. Information contained herein, including material supplied by others, is believed to be accurate, but cannot be guaranteed.