

	Source or Reference*	Preliminary Calculations	Rate Components					TOTAL
			Site Availability Charge (SAC)	Volume	Shipments	Containers	Dose Rate	
1. Revenue requirement by rate component for 2016	2016 FCS 1, line 37		587,957	2,106,280	713,202	1,433,070	1,048,875	5,889,384
2. Revenue collected 2016 January–October	Exhibit 1		593,317	1,632,634	492,240	978,500	941,802	4,638,493
3. Estimated net end-of-year collection/(refund) due to SAC true-up	Exhibit 2		(74,036)					(74,036)
4. Projected revenue for 2016 November and December	(Line 2 ÷ 10) x 2			326,527	98,448	195,700	188,360	809,035
5. Projected revenue for 2016	Sum of lines 2–4		519,281	1,959,161	590,688	1,174,200	1,130,162	5,373,492
6. Projected revenue surplus/(deficit) for 2016	Line 5 – line 1		(68,676)	(147,119)	(122,514)	(258,870)	81,287	(515,892)
7. Calculation of 2016 NORM/NARM net revenue	Settlement § 4(a)							
8. Revenue	Exhibit 3	\$ 267,403						
9. Expenses	Exhibit 3	(164,117)						
10. Net revenue	Line 8 – line 9	103,286						
11. Generators' share of NORM/NARM net revenue	Line 10 ÷ 2	51,643						
12. Allocators for 2016	Settlement § 2(a)		22.0%	31.6%	10.7%	21.5%	14.2%	100.0%
13. Generators' share of net revenue, by rate component	Line 12 x line 11		11,361	16,319	5,526	11,103	7,333	51,643
14. Amount to be refunded to generators	Line 6 + line 13 (if positive)		-	-	-	-	88,621	88,621
15. Amount to be added to 2017 revenue requirement	Line 6 + line 13 (if negative)		57,315	130,800	116,988	247,767	-	552,870
16. Revenue requirement for 2016, before deferrals from 2015	2016 FCS 1, line 27							5,843,113
17. Calculation of revenue requirement not subject to Inflation Index	Settlement § 1(a)							
18. Depreciation and amortization (including airspace amortization)	Results of Operations	\$ 89,513						
19. Rate case expense	Results of Operations	14,983						
20. Leasehold rent and taxes	Results of Operations	91,729						
21. Total portion of revenue requirement not subject to Inflation Index	Sum of lines 18–20	\$ 196,225						
22. Revenue requirement subject to Inflation Index	Line 16 – line 21							5,646,888
23. Calculation of Inflation Index	Settlement § 1(a)							
24. Gross domestic product implicit price deflator, 2016 Quarter 3	Exhibit 4 (Table 1.1.9 thereon)	111.670						
25. Gross domestic product implicit price deflator, 2015 Quarter 3	Exhibit 4 (Table 1.1.9 thereon)	110.253						
26. Inflation Index	(Line 24 ÷ line 25) – 1	1.29%						
27. Revenue requirement subject to Inflation Index, inflated	Line 22 x (1 + line 26)							5,719,463
28. Revenue requirement for 2017, before deferrals from 2016	Line 21 + line 27							5,915,688
29. Allocators for 2017	Settlement § 2(a)		22.0%	31.6%	10.7%	21.5%	14.2%	100.0%
30. Allocated revenue requirement for 2017, before deferrals from 2016	Line 28 x line 29		1,301,451	1,869,357	632,979	1,271,873	840,028	5,915,688
31. Allocated revenue requirement for 2017, including deferrals from 2016	Line 15 + line 30		1,358,766	2,000,158	749,967	1,519,640	840,028	6,468,558
32. SAC underrecovery to be allocated to other rate components	Calculation Sheet 2		719,493					
33. Allocators for SAC underrecovery	Line 29 reallocated without SAC			40.5%	13.7%	27.6%	18.2%	100.0%
34. Allocated SAC underrecovery for 2017	Line 32 x line 33			291,487	98,700	198,322	130,985	719,493
35. Allocated revenue requirement for 2017, including SAC reallocation	Line 31 + line 34			2,291,644	848,666	1,717,961	971,012	
36. Revenue requirement for 2017	Calculation Sheet 2 and line 35		639,273	2,291,644	848,666	1,717,961	971,012	6,468,558
37. Projections for 2017	Exhibit 5			20,522	70	255		
38. "Safety Margin"	Settlement § 1(c)			80%	80%	80%		
39. Dose rate revenue requirement for 2017	Settlement § 1(c)(2)						1,213,765	1,213,765
40. Billing determinants for 2017 rates	Line 37 x line 38			16,417	56	204		
41. Rates for 2017, before rounding	Line 35 ÷ line 40		\$	139.59	\$ 15,154.76	\$ 8,421.38		
42. Rates for 2017, rounded	Line 41, rounded		\$	139.60	\$ 15,150.00	\$ 8,420.00		

* "2016 FCS" refers to US Ecology Washington, Inc., "Final Calculation of 2016 Rates, Calculation Sheet," filed with the Washington Utilities and Transportation Commission in Docket No. TL-160385

"Settlement" refers to the Settlement Agreement executed as of April 30, 2007 between US Ecology Washington, Inc., and the Settling Parties, accepted by the Washington

Utilities and Transportation Commission in Docket No. TL-070848

"Results of Operations" refers to the spreadsheet entitled "US Ecology Washington, Inc. / Results of Operations," filed with the Washington Utilities and Transportation Commission in Docket No. TL-070848

**US Ecology Washington, Inc.
Preliminary Calculation of 2017 Site Availability Charge (SAC)**

Calculation Sheet 2

Inputs to SAC Calculation

1. Revenue requirement for 2017 SAC (from Calculation Sheet 1, line 31)	\$ 1,358,766
2. Inflation Index (from Calculation Sheet 1, line 26)	1.29%
3. Maximum increase in SAC (Inflation Index x 2; see Settlement* 2(b)(3)(i))	2.57%

Block No.	Characteristics for Year	2017 Projected Generators in Block	2016 SAC	Ratio of Each Charge to that of the Previous Block	Maximum Increase in SAC	2017 SAC (2016 SAC plus Maximum Increase)†	Ratio of Each Charge to that of the Previous Block**	2017 Projected Revenues from SAC	
									Column Number:
		Source:	Exhibit 5	Tariff Sheet† Schedule A, A.1	Division of each block by previous	Column 2 x Line 3	Column 2 + Column 4 (except block No. 10 & block No. 11; see footnote)	Division of each block by previous	Column 1 x Column 5
0	No site use at all	35	\$ 282		\$ 7	\$ 289		\$ 10,124	
1	Greater than zero but less than or equal to 10 c.f. and 50 mR/h††	31	539	1.91	14	553	1.91	17,138	
2	Greater than 10 c.f. or 50 mR/h†† but less than or equal to 20 c.f. and 100 mR/h††	15	1,035	1.92	27	1,062	1.92	15,924	
3	Greater than 20 c.f. or 100 mR/h†† but less than or equal to 40 c.f. and 200 mR/h††	4	1,986	1.92	51	2,037	1.92	8,148	
4	Greater than 40 c.f. or 200 mR/h†† but less than or equal to 80 c.f. and 400 mR/h††	2	3,813	1.92	98	3,911	1.92	7,822	
5	Greater than 80 c.f. or 400 mR/h†† but less than or equal to 160 c.f. and 800 mR/h††	3	7,323	1.92	188	7,511	1.92	22,534	
6	Greater than 160 c.f. or 800 mR/h†† but less than or equal to 320 c.f. and 1,600 mR/h††	0	14,045	1.92	361	14,406	1.92	-	
7	Greater than 320 c.f. or 1,600 mR/h†† but less than or equal to 640 c.f. and 3,200 mR/h††	1	26,968	1.92	693	27,661	1.92	27,661	
8	Greater than 640 c.f. or 3,200 mR/h†† but less than or equal to 1,280 c.f. and 6,400 mR/h††	0	51,771	1.92	1,331	53,102	1.92	-	
9	Greater than 1,280 c.f. or 6,400 mR/h†† but less than or equal to 2,560 c.f. and 12,800 mR/h††	1	99,399	1.92	2,555	101,954	1.92	101,954	
10	Greater than 2,560 c.f. or 12,800 mR/h†† but less than or equal to 5,120 c.f. and 25,600 mR/h††	1	140,839	1.42	3,620	142,656	1.40	142,656	
11	Greater than 5,120 c.f. or 25,600 mR/h††	2	140,839	1.00	3,620	142,656	1.00	285,312	
	Total	<u>95</u>						<u>639,273</u>	
	Underrecovery to be spread to other rate components pursuant to Settlement* § 2(b)(3), flush language							<u>\$ 719,493</u>	

* "Settlement" refers to the Settlement Agreement executed as of April 30, 2007 between US Ecology Washington, Inc., and the Settling Parties, accepted by the Washington Utilities and Transportation Commission in Docket No. TL-070848

† "Tariff Sheet" refers to the tariff sheets entitled "US Ecology Washington, Inc., Washington Nuclear Center, Radioactive Waste Disposal," filed with the Washington Utilities and Transportation Commission in Docket No. TL-160385

‡ Checked to ensure compliance with Settlement § 2(b)(3)(ii); the maximum charge for 2016 is \$5,200,000 x 0.024 x 1.0217 [the 2009 Inflation Index] x 1.0118 [the 2010 Inflation Index] x 1.0096 [the 2011 Inflation Index] x 1.0213 [the 2012 Inflation Index] x 1.0178 [the 2013 Inflation Index] x 1.0151 [the 2014 Inflation Index] x 1.0146 [the 2015 Inflation Index] x 1.0100 [the 2016 Inflation Index] x 1.0129 or \$142,656 for 2017. Block No. 10 and Block No. 11 are affected by this provision in 2017

** Calculated to ensure compliance with Settlement § 2(b)(3)

†† For purposes of determining the Site Availability Charge, R per hour is calculated by summing the R per hour at container surface for all containers received during the year

US Ecology Washington, Inc.
Preliminary Calculation of 2017 Dose Rate Charge

Calculation Sheet 3

Revenue requirement for 2017 dose rate charge (from Calculation Sheet 1, line 39) \$ 1,213,765

Block No.	Dose Rate at Container Surface	2017 Projected Containers in Block	2016 Dose Rate Charge	Ratio of Each 2016 Block Charge to that of the Previous Block	2017 Dose Rate Charge	Ratio of Each 2017 Block Charge to that of the Previous Block†	2017 Projected Revenues from Dose Rate Charge
		Column Number: 1	2	3	4	5	6
		Source: Exhibit 5	Tariff Sheet* Schedule A, B.4	Division of each block by previous	Set such that Column 5 will equal Column 3	Division of each block by previous	Column 1 x Column 4
1	Less than or equal to 200 mR/h	239	\$ 24		\$ 253		\$ 60,467
2	Greater than 200 mR/h but less than or equal to 1,000 mR/h	4	1,706	71.1	17,990	71.1	71,960
3	Greater than 1,000 mR/h but less than or equal to 10,000 mR/h	6	6,750	4.0	72,050	4.0	432,300
4	Greater than 10,000 mR/h but less than or equal to 100,000 mR/h	6	10,050	1.5	108,170	1.5	649,020
5	Greater than 100,000 mR/h	0	169,300	16.8	1,817,000	16.8	0
	Total	<u>255</u>					<u>\$ 1,213,747</u>

* "Tariff Sheet" refers to the tariff sheets entitled "US Ecology Washington, Inc., Washington Nuclear Center, Radioactive Waste Disposal," filed with the Washington Utilities and Transportation Commission in Docket No. TL-160385

† Calculated to ensure compliance with the Settlement Agreement executed as of April 30, 2007, between US Ecology Washington, Inc., and the Settling Parties, accepted by the Washington Utilities and Transportation Commission in Docket No. TL-070848, § 2(d)