

	Source or Reference*	Preliminary Calculations	Rate Components					TOTAL
			Site Availability Charge (SAC)	Volume	Shipments	Containers	Dose Rate	
1. Revenue requirement by rate component for 2018	2018 FCS 1, line 37		568,789	2,717,750	1,066,631	2,038,771	1,479,600	7,871,541
2. Revenue collected 2018 January–October	Exhibit 1		571,426	2,046,251	922,410	1,144,100	973,371	5,656,558
3. Estimated net end-of-year collection/(refund) due to SAC true-up	Exhibit 2		(32,076)					(32,076)
4. Projected revenue for 2018 November and December	(Line 2 + 10) x 2			409,050	184,482	228,820	194,674	1,017,026
5. Projected revenue for 2018	Sum of lines 2–4		539,350	2,454,301	1,106,892	1,372,920	1,168,045	6,641,508
6. Projected revenue surplus/(deficit) for 2018	Line 5 – line 1		(29,439)	(263,449)	40,261	(665,851)	(311,555)	(1,230,032)
7. Calculation of 2018 NORM/NARM net revenue	Settlement § 4(a)							
8. Revenue	Exhibit 3	\$ 152,663						
9. Expenses	Exhibit 3	(92,409)						
10. Net revenue	Line 8 – line 9	60,254						
11. Generators' share of NORM/NARM net revenue	Line 10 + 2	30,127						
12. Allocators for 2018	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		6,628	9,520	3,224	6,477	4,278	30,127
14. Amount to be refunded to generators	Line 6 + line 13 (if positive)		-	-	43,484	-	-	43,484
15. Amount to be added to 2019 revenue requirement	Line 6 + line 13 (if negative)		22,811	253,929	-	659,374	307,276	1,243,390
16. Revenue requirement for 2018, before deferrals from 2017	2018 FCS 1, line 27							6,019,989
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							5,823,764
23. Calculation of Inflation Index	Settlement § 1(a)							
24. Gross domestic product implicit price deflator, 2018 Quarter 3	Exhibit 4 (Table 1.1.9 thereon)	110.645						
25. Gross domestic product implicit price deflator, 2017 Quarter 3	Exhibit 4 (Table 1.1.9 thereon)	108.097						
26. Inflation Index	(Line 24 ÷ line 25) – 1	2.36%						
27. Revenue requirement subject to Inflation Index, inflated	Line 22 x (1 + line 26)							5,961,038
28. Revenue requirement for 2019, before deferrals from 2018	Line 21 + line 27							6,157,263
29. Allocators for 2019	Settlement § 2(a)		22.0%	31.6%	10.7%	21.5%	14.2%	100.0%
30. Allocated revenue requirement for 2019, before deferrals from 2018	Line 28 x line 29		1,354,598	1,945,695	658,827	1,323,812	874,331	6,157,263
31. Allocated revenue requirement for 2019, including deferrals from 2018	Line 15 + line 30		1,377,409	2,199,624	658,827	1,983,185	1,181,608	7,400,653
32. SAC underrecovery to be allocated to other rate components	Calculation Sheet 2		661,091					
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 2019	Line 32 x line 33			267,826	90,688	182,224	120,352	661,091
35. Allocated revenue requirement for 2019, including SAC reallocation	Line 31 + line 34			2,467,450	749,515	2,165,409	1,301,960	
36. Revenue requirement for 2019	Calculation Sheet 2 and line 35		716,318	2,467,450	749,515	2,165,409	1,301,960	7,400,653
37. Projections for 2019	Exhibit 5			20,665	72	203		
38. "Safety Margin"	Settlement § 1(c)			80%	80%	80%	80%	
39. Dose rate revenue requirement for 2019	Settlement § 1(c)(2)						1,627,450	1,627,450
40. Billing determinants for 2019 rates	Line 37 x line 38			16,532	58	162		
41. Rates for 2019, before rounding	Line 35 + line 40			\$ 149.25	\$ 13,012.42	\$ 13,333.80		
42. Rates for 2019, rounded	Line 41, rounded			\$ 149.30	\$ 13,010.00	\$ 13,330.00		

* "2018 FCS" refers to US Ecology Washington, Inc., "Final Calculation of 2018 Rates, Calculation Sheet," filed with the Washington Utilities and Transportation Commission in Docket No. TL-180279

"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 2019 Site Availability Charge (SAC)

Calculation Sheet 2

Inputs to SAC Calculation

1. Revenue requirement for 2019 SAC (from Calculation Sheet 1, line 31)	\$ 1,377,409
2. Inflation Index (from Calculation Sheet 1, line 26)	2.36%
3. Maximum increase in SAC (Inflation Index x 2; see Settlement* 2(b)(3)(i))	4.71%

Block No.	Characteristics for Year	2019 Projected Generators in Block	2018 SAC	Ratio of Each 2018 Block Charge to that of the Previous Block	Maximum Increase in SAC	2019 SAC (2018 SAC plus Maximum Increase)‡	Ratio of Each 2019 Block Charge to that of the Previous Block**	2019 Projected Revenues from SAC
	Column Number:	1	2	3	4	5	6	7
	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	45	\$ 299		\$ 14	\$ 313		\$ 14,089
1	Greater than zero but less than or equal to 10 c.f. and 50 mR/h††	19	573	1.92	27	600	1.92	11,400
2	Greater than 10 c.f. or 50 mR/h†† but less than or equal to 20 c.f. and 100 mR/h††	14	1,100	1.92	52	1,152	1.92	16,126
3	Greater than 20 c.f. or 100 mR/h†† but less than or equal to 40 c.f. and 200 mR/h††	8	2,111	1.92	100	2,211	1.92	17,684
4	Greater than 40 c.f. or 200 mR/h†† but less than or equal to 80 c.f. and 400 mR/h††	2	4,054	1.92	191	4,245	1.92	8,490
5	Greater than 80 c.f. or 400 mR/h†† but less than or equal to 160 c.f. and 800 mR/h††	1	7,785	1.92	367	8,152	1.92	8,152
6	Greater than 160 c.f. or 800 mR/h†† but less than or equal to 320 c.f. and 1,600 mR/h††	1	14,931	1.92	704	15,635	1.92	15,635
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	28,670	1.92	1,352	30,022	1.92	30,022
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	55,038	1.92	2,595	57,633	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††	0	105,673	1.92	4,982	110,655	1.92	-
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††	3	145,252	1.37	6,848	148,680	1.34	446,040
11	Greater than 5,120 c.f. or 25,600 mR/h††	1	145,252	1.00	6,848	148,680	1.00	148,680
	Total	<u>95</u>						<u>716,318</u>
	Underrecovery to be spread to other rate components pursuant to Settlement* § 2(b)(3), flush language							<u>\$ 661,091</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-180279

‡ Checked to ensure compliance with Settlement § 2(b)(3)(i); the maximum charge for 2019 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 1.0131 [the 2017 Inflation Index] x 1.0180 [the 2018 Inflation Index] x 1.0236 [the 2019 Inflation Index] or \$148,680 for 2019. Block No. 10 and Block No. 11 are affected by this provision in 2019

** 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 2019 Dose Rate Charge

Calculation Sheet 3

Revenue requirement for 2019 dose rate charge (from Calculation Sheet 1, line 39) \$ 1,627,450

Block No.	Dose Rate at Container Surface	2019 Projected Containers in Block	2018 Dose Rate Charge	Ratio of Each 2018 Block Charge to that of the Previous Block	2019 Dose Rate Charge	Ratio of Each 2019 Block Charge to that of the Previous Block†	2019 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	168	\$ 40		\$ 85		\$ 14,280
2	Greater than 200 mR/h but less than or equal to 1,000 mR/h	4	2,844	71.1	6,040	71.1	24,160
3	Greater than 1,000 mR/h but less than or equal to 10,000 mR/h	10	11,310	4.0	24,400	4.0	244,000
4	Greater than 10,000 mR/h but less than or equal to 100,000 mR/h	20	16,940	1.5	36,500	1.5	730,000
5	Greater than 100,000 mR/h	1	284,600	16.8	615,000	16.8	615,000
	Total	<u>203</u>					<u>\$ 1,627,440</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-180279

† 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)