

	Source or Reference*	Preliminary Calculations	Rate Components					TOTAL
			Site Availability Charge (SAC)	Volume	Shipments	Containers	Dose Rate	
1. Revenue requirement by rate component for 2019	2019 FCS 1, line 37		700,531	2,690,171	773,429	2,280,943	1,434,391	7,879,464
2. Revenue collected 2019 January–October	Exhibit 1		707,069	2,374,736	704,230	1,879,840	1,167,540	6,833,415
3. Estimated net end-of-year collection/(refund) due to SAC true-up	Exhibit 2		(33,417)					(33,417)
4. Projected revenue for 2019 November and December	(Line 2 + 10) x 2			474,947	140,846	375,968	233,508	1,225,269
5. Projected revenue for 2019	Sum of lines 2–4		673,652	2,849,684	845,076	2,255,808	1,401,048	8,025,268
6. Projected revenue surplus/(deficit) for 2019	Line 5 – line 1		(26,879)	159,513	71,647	(25,135)	(33,343)	145,803
7. Calculation of 2019 NORM/NARM net revenue	Settlement § 4(a)							
8. Revenue	Exhibit 3	\$ 252,897						
9. Expenses	Exhibit 3	(125,690)						
10. Net revenue	Line 8 – line 9	127,207						
11. Generators' share of NORM/NARM net revenue	Line 10 + 2	63,604						
12. Allocators for 2019	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		13,993	20,099	6,806	13,675	9,032	63,604
14. Amount to be refunded to generators	Line 6 + line 13 (if positive)		-	179,612	78,452	-	-	258,064
15. Amount to be added to 2020 revenue requirement	Line 6 + line 13 (if negative)		12,886	-	-	11,460	24,311	48,657
16. Revenue requirement for 2019, before deferrals from 2018	2019 FCS 1, line 27							6,151,680
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							5,955,455
23. Calculation of Inflation Index	Settlement § 1(a)							
24. Gross domestic product implicit price deflator, 2019 Quarter 3	Exhibit 4 (Table 1.1.9 thereon)	112.627						
25. Gross domestic product implicit price deflator, 2018 Quarter 3	Exhibit 4 (Table 1.1.9 thereon)	110.767						
26. Inflation Index	(Line 24 + line 25) – 1	1.68%						
27. Revenue requirement subject to Inflation Index, inflated	Line 22 x (1 + line 26)							6,055,459
28. Revenue requirement for 2020, before deferrals from 2019	Line 21 + line 27							6,251,684
29. Allocators for 2020	Settlement § 2(a)		22.0%	31.6%	10.7%	21.5%	14.2%	100.0%
30. Allocated revenue requirement for 2020, before deferrals from 2019	Line 28 x line 29		1,375,370	1,975,532	668,930	1,344,112	887,739	6,251,684
31. Allocated revenue requirement for 2020, including deferrals from 2019	Line 15 + line 30		1,388,257	1,975,532	668,930	1,355,572	912,050	6,300,341
32. SAC underrecovery to be allocated to other rate components	Calculation Sheet 2		832,217					
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 2020	Line 32 x line 33			337,155	114,163	229,393	151,506	832,217
35. Allocated revenue requirement for 2020, including SAC reallocation	Line 31 + line 34			2,312,687	783,093	1,584,965	1,063,556	
36. Revenue requirement for 2020	Calculation Sheet 2 and line 35		556,039	2,312,687	783,093	1,584,965	1,063,556	6,300,341
37. Projections for 2020	Exhibit 5			12,284	51	120		
38. "Safety Margin"	Settlement § 1(c)			80%	80%	80%	80%	
39. Dose rate revenue requirement for 2020	Settlement § 1(c)(2)						1,329,446	1,329,446
40. Billing determinants for 2020 rates	Line 37 x line 38			9,827	41	96		
41. Rates for 2020, before rounding	Line 35 + line 40			\$ 235.34	\$ 19,193.46	\$ 16,510.05		
42. Rates for 2020, rounded	Line 41, rounded			\$ 235.30	\$ 19,190.00	\$ 16,510.00		

* "2019 FCS" refers to US Ecology Washington, Inc., "Final Calculation of 2019 Rates, Calculation Sheet," filed with the Washington Utilities and Transportation Commission in Docket No. TL-190202

"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 2020 Site Availability Charge (SAC)

Calculation Sheet 2

Inputs to SAC Calculation

1. Revenue requirement for 2020 SAC (from Calculation Sheet 1, line 31)	\$ 1,388,257
2. Inflation Index (from Calculation Sheet 1, line 26)	1.68%
3. Maximum increase in SAC (Inflation Index x 2; see Settlement* 2(b)(3)(i))	3.36%

Block No.	Characteristics for Year	2020 Projected Generators in Block	2019 SAC	Ratio of Each 2019 Block Charge to that of the Previous Block	Maximum Increase in SAC	2020 SAC (2019 SAC plus Maximum Increase)‡	Ratio of Each 2020 Block Charge to that of the Previous Block**	2020 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	37	\$ 313		\$ 11	\$ 324		\$ 11,970
1	Greater than zero but less than or equal to 10 c.f. and 50 mR/h††	20	599	1.91	20	619	1.91	12,382
2	Greater than 10 c.f. or 50 mR/h†† but less than or equal to 20 c.f. and 100 mR/h††	13	1,150	1.92	39	1,189	1.92	15,452
3	Greater than 20 c.f. or 100 mR/h†† but less than or equal to 40 c.f. and 200 mR/h††	9	2,206	1.92	74	2,280	1.92	20,521
4	Greater than 40 c.f. or 200 mR/h†† but less than or equal to 80 c.f. and 400 mR/h††	1	4,237	1.92	142	4,379	1.92	4,379
5	Greater than 80 c.f. or 400 mR/h†† but less than or equal to 160 c.f. and 800 mR/h††	1	8,137	1.92	273	8,410	1.92	8,410
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	15,606	1.92	524	16,130	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††	2	29,967	1.92	1,006	30,973	1.92	61,947
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††	2	57,527	1.92	1,932	59,459	1.92	118,918
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	110,452	1.92	3,709	114,161	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††	1	148,535	1.34	4,988	151,030	1.32	151,030
11	Greater than 5,120 c.f. or 25,600 mR/h††	1	148,535	1.00	4,988	151,030	1.00	151,030
	Total	<u>87</u>						<u>556,039</u>
	Underrecovery to be spread to other rate components pursuant to Settlement* § 2(b)(3), flush language							<u>\$ 832,217</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-190202

‡ Checked to ensure compliance with Settlement § 2(b)(3)(ii); the maximum charge for 2020 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 1.0226 [the 2019 Inflation Index] x 1.0168 [the 2020 Inflation Index] or \$151,030 for 2020. Block No. 10 and Block No. 11 are affected by this provision in 2020

** 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 2020 Dose Rate Charge

Revenue requirement for 2020 dose rate charge (from Calculation Sheet 1, line 39) \$ 1,329,446

Block No.	Dose Rate at Container Surface	2020 Projected Containers in Block	2019 Dose Rate Charge	Ratio of Each 2019 Block Charge to that of the Previous Block	2020 Dose Rate Charge	Ratio of Each 2020 Block Charge to that of the Previous Block†	2020 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	100	\$ 94		\$ 115		\$ 11,500
2	Greater than 200 mR/h but less than or equal to 1,000 mR/h	8	6,684	71.1	8,177	71.1	65,416
3	Greater than 1,000 mR/h but less than or equal to 10,000 mR/h	7	26,740	4.0	32,750	4.0	229,250
4	Greater than 10,000 mR/h but less than or equal to 100,000 mR/h	4	40,300	1.5	49,200	1.5	196,800
5	Greater than 100,000 mR/h	1	677,000	16.8	826,500	16.8	826,500
	Total	<u>120</u>					<u>\$ 1,329,466</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-190202

† 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)