

**US Ecology Washington, Inc.
Preliminary Calculation of 2023 Rates**

Calculation Sheet 1

	Source or Reference*	Preliminary Calculations	Rate Components					TOTAL
			Site Availability Charge (SAC)	Volume	Shipments	Containers	Dose Rate	
1. Revenue requirement by rate component for 2022	2022 FCS 1, line 37		677,048	2,449,313	818,639	1,644,928	1,086,418	6,676,346
2. Revenue collected 2022 January–October	Exhibit 1		841,242	3,495,753	735,120	2,501,400	987,400	8,560,915
3. Estimated net end-of-year collection/(refund) due to SAC true-up	Exhibit 2		(259,351)					(259,351)
4. Projected revenue for 2022 November and December	(Line 2 + 10) x 2		581,891	699,151	147,024	500,280	197,480	1,543,935
5. Projected revenue for 2022	Sum of lines 2–4		(95,157)	4,194,903	882,144	3,001,680	1,184,880	9,845,498
6. Projected revenue surplus/(deficit) for 2022	Line 5 – line 1			1,745,590	63,505	1,356,752	98,462	3,169,152
7. Calculation of 2022 NORM/NARM net revenue	Settlement \$ 4(a)							
8. Revenue	Exhibit 3	\$ -						
9. Expenses	Exhibit 3	-						
10. Net revenue	Line 8 – line 9	-						
11. Generators' share of NORM/NARM net revenue	Line 10 + 2							
12. Allocators for 2022	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							
14. Amount to be refunded to generators	Line 6 + line 13 (if positive)							
15. Amount to be added to 2023 revenue requirement	Line 6 + line 13 (if negative)			1,745,590	63,505	1,356,752	98,462	3,264,309
16. Revenue requirement for 2022, before deferrals from 2021	2022 FCS 1, line 27		95,157					95,157
17. Calculation of revenue requirement not subject to Inflation Index	Settlement \$ 1(a)	\$ 89,513						
18. Depreciation and amortization (including airspace amortization)	Results of Operations	14,983						
19. Rate case expense	Results of Operations	91,729						
20. Leasehold rent and taxes	Sum of lines 18–20	\$ 196,225						
21. Total portion of revenue requirement not subject to Inflation Index	Line 16 – line 21							
22. Revenue requirement subject to Inflation Index	Settlement \$ 1(a)	128,177						
23. Calculation of Inflation Index	Exhibit 4 (Table 1.1.9 thereon)	119,712						
24. Gross domestic product implicit price deflator, 2022 Quarter 3	Exhibit 4 (Table 1.1.9 thereon)	7.07%						
25. Gross domestic product implicit price deflator, 2021 Quarter 3	(Line 24 + line 25) – 1							
26. Inflation Index	Line 22 x (1 + line 26)							
27. Revenue requirement subject to Inflation Index, inflated	Line 21 + line 27							
28. Revenue requirement for 2023, before deferrals from 2022	Settlement \$ 2(a)	22.0%						
29. Allocators for 2023	Line 28 x line 29	1,547,877	31.6%	10.7%	10.7%	21.5%	14.2%	100.0%
30. Allocated revenue requirement for 2023, before deferrals from 2022	Line 15 + line 30	1,643,034	2,223,314	752,831	1,512,698	999,084	7,035,803	7,035,803
31. Allocated revenue requirement for 2023, including deferrals from 2022	Calculation Sheet 2	818,582	2,223,314	752,831	1,512,698	999,084	7,130,960	7,130,960
32. SAC underrecovery to be allocated to other rate components	Line 29 reallocated without SAC							
33. Allocators for SAC underrecovery	Line 32 x line 33		40.5%	13.7%	27.6%	18.2%	100.0%	100.0%
34. Allocated SAC underrecovery for 2023	Line 31 + line 34		331,630	112,293	225,635	149,024	818,582	818,582
35. Allocated revenue requirement for 2023, including SAC reallocation	Calculation Sheet 2 and line 35		2,554,944	865,123	1,738,332	1,148,108	7,130,960	7,130,960
36. Revenue requirement for 2023	Exhibit 5	824,452	2,554,944	865,123	1,738,332	1,148,108	7,130,960	7,130,960
37. Projections for 2023	Settlement \$ 1(c)		16,398	67	158			
38. "Safety Margin"	Settlement \$ 1(c)(2)		80%	80%	80%	80%	80%	
39. Dose rate revenue requirement for 2023	Line 37 x line 38		13,118	54	126			
40. Billing determinants for 2023 rates	Line 35 + line 40		\$ 194.77	\$ 16,140.36	\$ 13,752.63			
41. Rates for 2023, before rounding	Line 41, rounded		\$ 194.80	\$ 16,140.00	\$ 13,750.00			
42. Rates for 2023, rounded								

* "2022 FCS" refers to US Ecology Washington, Inc., "Final Calculation of 2022 Rates, Calculation Sheet," filed with the Washington Utilities and Transportation Commission in Docket No. TL-220245
 "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

Inputs to SAC Calculation

1. Revenue requirement for 2023 SAC (from Calculation Sheet 1, line 31) \$ 1,643,034
2. Inflation Index (from Calculation Sheet 1, line 26) 7.07%
3. Maximum increase in SAC (Inflation Index x 2; see Settlement* 2(b)(3)(i)) 14.14%

Block No.	Characteristics for Year	Column Number	2023 Projected		2022 SAC	Ratio of Each 2022 Block Charge to that of the Previous Block		2023 SAC (2022 SAC plus Maximum Increase)†		Ratio of Each 2023 Block Charge to that of the Previous Block**		2023 Projected Revenues from SAC
			Block	Generators in Block		2022 SAC	Maximum Increase in SAC	2022 SAC	Maximum Increase in SAC	2022 SAC	Maximum Increase in SAC	
0	No site use at all		39	\$	360	\$	51	\$	411	\$	16,026	
1	Greater than zero but less than or equal to 10 c.f. and 50 mR/h††		11		688	1.91	97	785	1.91	1.91	8,638	
2	Greater than 10 c.f. or 50 mR/h†† but less than or equal to 20 c.f. and 100 mR/h††		10		1,320	1.92	187	1,507	1.92	1.92	15,067	
3	Greater than 20 c.f. or 100 mR/h†† but less than or equal to 40 c.f. and 200 mR/h††		11		2,533	1.92	358	2,891	1.92	1.92	31,803	
4	Greater than 40 c.f. or 200 mR/h†† but less than or equal to 80 c.f. and 400 mR/h††		1		4,865	1.92	688	5,553	1.92	1.92	5,553	
5	Greater than 80 c.f. or 400 mR/h†† but less than or equal to 160 c.f. and 800 mR/h††		1		9,343	1.92	1,321	10,664	1.92	1.92	10,664	
6	Greater than 160 c.f. or 800 mR/h†† but less than or equal to 320 c.f. and 1,600 mR/h††		2		17,918	1.92	2,534	20,452	1.92	1.92	40,904	
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		34,406	1.92	4,866	39,272	1.92	1.92	39,272	
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		66,051	1.92	9,341	75,392	1.92	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		126,817	1.92	17,935	144,752	1.92	1.92	144,752	
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††		2		159,326	1.26	22,532	170,591	1.18	1.18	341,182	
11	Greater than 5,120 c.f. or 25,600 mR/h††		1		159,326	1.00	22,532	170,591	1.00	1.00	170,591	
	Total		80								824,452	
	Underrecovery to be spread to other rate components pursuant to Settlement* § 2(b)(3), flush language										\$ 818,582	

* "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-220245

‡ Checked to ensure compliance with Settlement § 2(b)(3)(ii); the maximum charge for 2023 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 1.0174 [the 2020 Inflation Index] x 1.0122 [the 2021 Inflation Index] x 1.0416 [the 2022 Inflation Index] x 1.0707 [the 2023 Inflation Index] or \$170,591 for 2023. Block No. 10 and Block No. 11 are affected by this provision in 2023

** 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 2023 Dose Rate Charge

Revenue requirement for 2023 dose rate charge (from Calculation Sheet 1, line 39) \$ 1,435,135

Block No.	Dose Rate at Container Surface	2023 Projected Containers in Block	2022 Dose Rate Charge	Ratio of Each 2022 Block Charge to that of the Previous Block	2023 Dose Rate Charge	Ratio of Each 2023 Block Charge to that of the Previous Block†	2023 Projected Revenues from Dose Rate Charge
		Column Number: 1	2	3	4	5	6
		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	141	\$ 100		\$ 114		\$ 16,074
2	Greater than 200 mR/h but less than or equal to 1,000 mR/h	2	7,110	71.1	8,110	71.1	16,220
3	Greater than 1,000 mR/h but less than or equal to 10,000 mR/h	6	28,440	4.0	32,450	4.0	194,700
4	Greater than 10,000 mR/h but less than or equal to 100,000 mR/h	8	42,600	1.5	48,700	1.5	389,600
5	Greater than 100,000 mR/h	1	715,700	16.8	818,500	16.8	818,500
	Total	158					\$ 1,435,094

* "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-220245

† 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)