

US Ecology Washington, Inc.  
Final Calculation of 2021 Rates

Calculation Sheet 1

		Rate Components						
	Source or Reference*	Preliminary Calculations	Site Availability Charge (SAC)	Volume	Shipments	Containers	Dose Rate	TOTAL
1.	Revenue requirement by rate component for 2020		606,239	2,291,880	776,048	1,559,349	1,188,410	6,421,927
2.	Revenue by rate component in 2020		611,907	2,975,673	686,760	1,978,190	1,263,246	7,515,776
3.	Overall end-of-year collection/(refund) due to SAC true-up		(120,984)					(120,984)
4.	Revenue in 2020, including effect of SAC true-up		490,923	2,975,673	686,760	1,978,190	1,263,246	7,394,792
5.	Revenue surplus/(deficit) for 2020		(115,316)	683,793	(89,286)	418,841	74,836	972,866
6.	Calculation of 2020 NORM/NARM net revenue							
7.	Revenue	\$ 268,036						
8.	Expenses	(135,678)						
9.	Net revenue	132,358						
10.	Generators' share of NORM/NARM net revenue	66,179						
11.	Allocators for 2020		22.0%	31.6%	10.7%	21.5%	14.2%	100.0%
12.	Generators' share of net revenue, by rate component		14,559	20,913	7,081	14,228	9,397	66,179
13.	Amount to be refunded to generators		-	704,706	-	433,070	84,233	1,222,008
14.	Amount to be added to 2021 revenue requirement		100,757	-	82,207	-	-	182,964
15.	Revenue requirement for 2020, before WUTC fee and deferrals							6,255,450
16.	Calculation of revenue requirement not subject to Inflation Index							
17.	Depreciation and amortization (including airspace amortization)	\$ 89,513						
18.	Rate case expense	14,983						
19.	Leasehold rent and taxes	91,729						
20.	Total portion of revenue requirement not subject to Inflation Index	\$ 196,225						6,059,225
21.	Revenue requirement subject to Inflation Index							
22.	Calculation of Inflation Index							
23.	Gross domestic product implicit price deflator, 2020	113,632						
24.	Gross domestic product implicit price deflator, 2019	112,265						
25.	Inflation Index	1.22%						
26.	Revenue requirement subject to Inflation Index, inflated							
27.	Revenue requirement for 2021, before WUTC fee and deferrals							
28.	WUTC regulatory fee to be refunded							
29.	Revenue requirement for 2021, before deferrals from 2020							
30.	Allocators for 2021		22.0%	31.6%	10.7%	21.5%	14.2%	100.0%
31.	Allocated revenue requirement for 2021, before deferrals from 2020		1,392,431	2,000,037	677,228	1,360,785	898,751	6,329,231
32.	Allocated revenue requirement for 2021, including deferrals from 2020		1,493,187	2,000,037	759,435	1,360,785	898,751	6,512,194
33.	SAC underrecovery to be allocated to other rate components		603,943					
34.	Allocators for SAC underrecovery			40.5%	13.7%	27.6%	18.2%	100.0%
35.	Allocated SAC underrecovery for 2021			244,674	82,849	166,472	109,949	603,943
36.	Allocated revenue requirement for 2021, including SAC reallocation			2,244,711	842,283	1,527,256	1,008,699	6,512,194
37.	Revenue requirement for 2021		889,244	2,244,711	842,283	1,527,256	1,008,699	6,512,194
38.	Projections for 2021			24,762	90	270		
39.	"Safety Margin"			80%	80%	80%	80%	
40.	Dose rate revenue requirement for 2021			19,809	72	216		
41.	Billing determinants for 2021 rates		\$	\$ 113.32	\$ 11,698.38	\$ 7,070.63		
42.	Rates for 2021, before rounding		\$	\$ 113.30	\$ 11,700.00	\$ 7,070.00		
43.	Rates for 2021, rounded							

\* "2020 FCS" refers to US Ecology Washington, Inc., "Final Calculation of 2020 Rates, Calculation Sheet," filed with the Washington Utilities and Transportation Commission in Docket No. TL-200268  
 "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.

Final Calculation of 2021 Site Availability Charge (SAC)

Calculation Sheet 2

Inputs to SAC Calculation

1. Revenue requirement for 2021 SAC (from Calculation Sheet 1, line 32) \$ 1,493,187
2. Inflation Index (from Calculation Sheet 1, line 25) 1.22%
3. Maximum increase in SAC (Inflation Index x 2; see Settlement\* 2(b)(3)(i)) 2.44%

Block No.	Characteristics for Year	Column Number	2021 Projected Generators in Block	2020 SAC	Ratio of Each 2020 Block Charge to that of the Previous Block	3	4	5	6	7
			Exhibit 5	Tariff Sheet Schedule A, A.1	Division of each block by previous	Column 2 x Line 3	Column 4 (except block No. 10 & block No. 11; see footnote)	2021 SAC (2020 SAC plus Maximum Increase)†	Ratio of Each 2021 Block Charge to that of the Previous Block**	2021 Projected Revenues from SAC
0	No site use at all		41	\$ 324		8	\$ 332	\$		\$ 13,612
1	Greater than zero but less than or equal to 10 c.f. and 50 mR/h††		12	620	1.91	15	635		1.91	7,620
2	Greater than 10 c.f. or 50 mR/h†† but less than or equal to 20 c.f. and 100 mR/h††		13	1,190	1.92	29	1,219		1.92	15,847
3	Greater than 20 c.f. or 100 mR/h†† but less than or equal to 40 c.f. and 200 mR/h††		9	2,283	1.92	56	2,339		1.92	21,051
4	Greater than 40 c.f. or 200 mR/h†† but less than or equal to 80 c.f. and 400 mR/h††		3	4,385	1.92	107	4,492		1.92	13,476
5	Greater than 80 c.f. or 400 mR/h†† but less than or equal to 160 c.f. and 800 mR/h††		1	8,421	1.92	205	8,626		1.92	8,626
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	16,150	1.92	393	16,543		1.92	16,543
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	31,011	1.92	755	31,766		1.92	63,532
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	59,532	1.92	1,450	60,982		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	114,301	1.92	2,784	117,085		1.92	117,085
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	151,119	1.32	3,680	152,963		1.31	458,889
11	Greater than 5,120 c.f. or 25,600 mR/h††		1	151,119	1.00	3,680	152,963		1.00	152,963
	Total		87							889,244
	Underrecovery to be spread to other rate components pursuant to Settlement* § 2(b)(3), flush language									\$ 603,943

\* "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-200268

‡ 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 1.0174 [the 2020 Inflation Index] x 1.0122 [the 2021 Inflation Index] or \$152,963 for 2021. Block No. 10 and Block No. 11 are affected by this provision in 2021

\*\* 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.  
Final Calculation of 2021 Dose Rate Charge**

**Calculation Sheet 3**

Revenue requirement for 2021 dose rate charge (from Calculation Sheet 1, line 40) \$ 1,260,874

Block No.	Dose Rate at Container Surface	2021 Projected Containers in Block	2020 Dose Rate Charge	Ratio of Each 2020 Block Charge to that of the Previous Block	2021 Dose Rate Charge	Ratio of Each 2021 Block Charge to that of the Previous Block†	2021 Projected Revenues from Dose Rate Charge	
		1	2	3	4	5	6	
		Column Number:						
	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	237	\$ 129		\$ 95		\$ 22,515	
2	Greater than 200 mR/h but less than or equal to 1,000 mR/h	20	9,172	71.1	6,755	71.1	135,100	
3	Greater than 1,000 mR/h but less than or equal to 10,000 mR/h	5	36,670	4.0	27,070	4.0	135,350	
4	Greater than 10,000 mR/h but less than or equal to 100,000 mR/h	7	54,900	1.5	40,700	1.5	284,900	
5	Greater than 100,000 mR/h	1	922,300	16.8	683,000	16.8	683,000	
	Total		<u>270</u>				<u>\$ 1,260,865</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-200268

† 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)