

EXHIBIT A

BEFORE THE
WASHINGTON UTILITIES & TRANSPORTATION COMMISSION

NW NATURAL
SUPPORTING MATERIALS

Adjustment to Rates for Property Sales

NWN WUTC Advice No. 22-10 / UG-_____

September 15, 2023

NW NATURAL

EXHIBIT A

Supporting Materials

Adjustment to Rates for Property Sales

NWN WUTC ADVICE NO. 23-10 / UG-_____

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NW Natural
 Rates & Regulatory Affairs
 2023-2024 PGA Filing - Washington: September Filing
 Calculation of Increments Allocated on the EQUAL PERCENTAGE OF MARGIN BASIS

		Billing	WACOG &	Temps from	Residual - Astoria and Truck Lot Sale								
		PGA	Demand from	Temporary	Proposed Amount:		50,002 Temporary Increments						
		Rate from	Rates page,	Increment	MARGIN	Volumetric	Customer	Total	Revenue Sensitive Multiplier:	4.357% add revenue sensitive factor			
		Column A	Column B+C+D	Column A	Rate	Margin	Charge	Margin	Amount to Amortize:	52,280 Residential Only			
		Column D	Column A	Column A	E=B-C-D	F = E * A	G	H	I = (G*H*12)+F				
Schedule	Block	A	B	C	D	E	F	G	H	I	Multiplier	Allocation to RS	Increment
											S	T	U
1R		318,916	\$1,591,90	\$0,55668	\$0,19500	\$0,84022	\$267,960	\$5,50	1,679	\$378,774	1.0	\$325	0.00102
1C		22,569	\$1,60601	\$0,55668	\$0,18173	\$0,86760	\$19,581	\$7,00	37	\$22,689	1.0	\$19	0.00084
2R		60,471,175	\$1,41591	\$0,55668	\$0,29747	\$0,56176	\$33,970,287	\$8,00	87,552	\$42,375,279	1.0	\$36,367	0.00060
3 CFS		19,986,400	\$1,25038	\$0,55668	\$0,15700	\$0,53670	\$10,726,701	\$22,00	6,684	\$12,491,277	1.0	\$10,720	0.00054
3 IFS		277,642	\$1,22899	\$0,55668	\$0,12557	\$0,54674	\$151,798	\$22,00	19	\$156,814	1.0	\$135	0.00049
27		80,870	\$1,02062	\$0,55668	\$0,14933	\$0,31461	\$25,442	\$9,00	295	\$57,302	1.0	\$49	0.00061
41C Firm Sales	Block 1	1,570,103	\$1,03667	\$0,46972	\$0,14834	\$0,41861	\$1,441,762	\$250,00	83	\$1,690,762	1.0	\$1,451	0.00042
	Block 2	2,126,827	\$0,98320	\$0,46972	\$0,14462	\$0,36886					1.0		0.00037
41I Firm Sales	Block 1	405,389	\$0,96687	\$0,46972	\$0,12513	\$0,37202	\$414,086	\$250,00	0	\$414,086	1.0	\$355	0.00032
	Block 2	803,153	\$0,92170	\$0,46972	\$0,12418	\$0,32780					1.0		0.00028
41C Interr Sales	Block 1	0	\$1,01490	\$0,46972	\$0,14696	\$0,39822	\$0	\$250,00	0	\$0	1.0	\$0	0.00042
	Block 2	0	\$0,96393	\$0,46972	\$0,14335	\$0,35086					1.0		0.00037
41I Interr Sales	Block 1	0	\$0,95740	\$0,46972	\$0,12428	\$0,36340	\$0	\$250,00	0	\$0	1.0	\$0	0.00038
	Block 2	0	\$0,91323	\$0,46972	\$0,12334	\$0,32017					1.0		0.00034
41C Firm Trans	Block 1	148,853	\$0,38083	\$0,00000	\$0,00194	\$0,37889	\$156,160	\$500,00	8	\$204,160	1.0	\$175	0.00042
	Block 2	298,848	\$0,33552	\$0,00000	\$0,00170	\$0,33382					1.0		0.00037
41I Firm Trans	Block 1	0	\$0,37098	\$0,00000	\$0,00317	\$0,36781	\$0	\$500,00	0	\$0	1.0	\$0	0.00039
	Block 2	0	\$0,32687	\$0,00000	\$0,00281	\$0,32406					1.0		0.00034
42C Firm Sales	Block 1	701,175	\$0,80750	\$0,46972	\$0,12969	\$0,20809	\$311,591	\$1,300,00	8	\$436,391	1.0	\$375	0.00025
	Block 2	698,884	\$0,78434	\$0,46972	\$0,12836	\$0,18626					1.0		0.00022
	Block 3	213,654	\$0,73831	\$0,46972	\$0,12573	\$0,14286					1.0		0.00017
	Block 4	43,634	\$0,70801	\$0,46972	\$0,12401	\$0,11428					1.0		0.00014
	Block 5	0	\$0,66761	\$0,46972	\$0,12171	\$0,07618					1.0		0.00009
	Block 6	0	\$0,61709	\$0,46972	\$0,11881	\$0,02856					1.0		0.00003
42I Firm Sales	Block 1	1,266,148	\$0,75461	\$0,46972	\$0,11807	\$0,16682	\$359,183	\$1,300,00	10	\$515,183	1.0	\$442	0.00021
	Block 2	871,827	\$0,73700	\$0,46972	\$0,11795	\$0,14933					1.0		0.00018
	Block 3	146,523	\$0,70198	\$0,46972	\$0,11775	\$0,11451					1.0		0.00014
	Block 4	10,867	\$0,67895	\$0,46972	\$0,11762	\$0,09161					1.0		0.00011
	Block 5	0	\$0,64824	\$0,46972	\$0,11743	\$0,06109					1.0		0.00008
	Block 6	0	\$0,60982	\$0,46972	\$0,11721	\$0,02289					1.0		0.00003
42C Firm Trans	Block 1	217,853	\$0,15376	\$0,00000	-\$0,00130	\$0,15506	\$197,297	\$1,550,00	2	\$234,497	1.0	\$201	0.00016
	Block 2	435,705	\$0,13764	\$0,00000	-\$0,00116	\$0,13880					1.0		0.00014
	Block 3	435,705	\$0,10553	\$0,00000	-\$0,00090	\$0,10643					1.0		0.00011
	Block 4	665,436	\$0,08445	\$0,00000	-\$0,00071	\$0,08516					1.0		0.00009
	Block 5	0	\$0,05629	\$0,00000	-\$0,00048	\$0,05677					1.0		0.00006
	Block 6	0	\$0,02111	\$0,00000	-\$0,00017	\$0,02128					1.0		0.00002
42I Firm Trans	Block 1	840,318	\$0,15086	\$0,00000	-\$0,00118	\$0,15204	\$650,073	\$1,550,00	8	\$798,873	1.0	\$686	0.00016
	Block 2	1,062,417	\$0,13503	\$0,00000	-\$0,00106	\$0,13609					1.0		0.00014
	Block 3	936,547	\$0,10354	\$0,00000	-\$0,00082	\$0,10436					1.0		0.00011
	Block 4	2,527,103	\$0,08283	\$0,00000	-\$0,00066	\$0,08349					1.0		0.00009
	Block 5	1,239,686	\$0,05523	\$0,00000	-\$0,00043	\$0,05566					1.0		0.00006
	Block 6	0	\$0,02071	\$0,00000	-\$0,00016	\$0,02087					1.0		0.00002
42C Interr Sales	Block 1	226,932	\$0,76839	\$0,46972	\$0,12880	\$0,16987	\$134,629	\$1,300,00	2	\$165,829	1.0	\$142	0.00018
	Block 2	425,616	\$0,74928	\$0,46972	\$0,12750	\$0,15206					1.0		0.00016
	Block 3	194,048	\$0,71125	\$0,46972	\$0,12494	\$0,11659					1.0		0.00012
	Block 4	93,667	\$0,68621	\$0,46972	\$0,12322	\$0,09327					1.0		0.00010
	Block 5	0	\$0,65288	\$0,46972	\$0,12096	\$0,06220					1.0		0.00007
	Block 6	0	\$0,61118	\$0,46972	\$0,11813	\$0,02333					1.0		0.00002
42I Interr Sales	Block 1	128,853	\$0,75105	\$0,46972	\$0,11742	\$0,16391	\$34,484	\$1,300,00	1	\$50,084	1.0	\$43	0.00020
	Block 2	91,079	\$0,73376	\$0,46972	\$0,11731	\$0,14673					1.0		0.00018
	Block 3	0	\$0,69936	\$0,46972	\$0,11712	\$0,11252					1.0		0.00014
	Block 4	0	\$0,67671	\$0,46972	\$0,11697	\$0,09002					1.0		0.00011
	Block 5	0	\$0,64652	\$0,46972	\$0,11680	\$0,06000					1.0		0.00007
	Block 6	0	\$0,60879	\$0,46972	\$0,11657	\$0,02250					1.0		0.00003
42C Inter Trans	Block 1	0	\$0,14295	\$0,00000	\$0,00126	\$0,14169	\$0	\$1,550,00	0	\$0	1.0	\$0	0.00015
	Block 2	0	\$0,12797	\$0,00000	\$0,00112	\$0,12685					1.0		0.00013
	Block 3	0	\$0,09813	\$0,00000	\$0,00086	\$0,09727					1.0		0.00010
	Block 4	0	\$0,07851	\$0,00000	\$0,00069	\$0,07782					1.0		0.00008
	Block 5	0	\$0,05235	\$0,00000	\$0,00046	\$0,05189					1.0		0.00005
	Block 6	0	\$0,01961	\$0,00000	\$0,00017	\$0,01944					1.0		0.00002
42I Inter Trans	Block 1	830,413	\$0,14372	\$0,00000	-\$0,00094	\$0,14466	\$739,329	\$1,550,00	10	\$925,329	1.0	\$794	0.00016
	Block 2	1,522,701	\$0,12865	\$0,00000	-\$0,00084	\$0,12949					1.0		0.00014
	Block 3	1,166,628	\$0,09865	\$0,00000	-\$0,00064	\$0,09929					1.0		0.00011
	Block 4	2,984,749	\$0,07894	\$0,00000	-\$0,00051	\$0,07945					1.0		0.00009
	Block 5	1,303,638	\$0,05263	\$0,00000	-\$0,00034	\$0,05297					1.0		0.00006
	Block 6	0	\$0,01973	\$0,00000	-\$0,00013	\$0,01986					1.0		0.00002
43 Firm Trans		0	\$0,00578	\$0,00000	\$0,00087	\$0,00491	\$0	\$38,000,00	0	\$0	1.0	\$0	0.00001
43 Interr Trans		0	\$0,00521	\$0,00000	\$0,00030	\$0,00491	\$0	\$38,000,00	0	\$0	1.0	\$0	0.00001
Intentionally blank													
Totals		107,792,550					\$49,600,363			\$60,917,329	\$60,917,329	52,279	

Sources for line 2 above:

Inputs page	Column G	Line 43
Tariff Schedules:		
Schedule #		Sched 210

Note: Allocation to rate schedules or blocks with zero volumes is calculated on an overall margin percentage change basis.

NW Natural
Rates & Regulatory Affairs
2023-2024 PGA Filing - Washington: September Filing
PGA Effects on Average Bill by Rate Schedule
Calculation of Effect on Customer Average Bill by Rate Schedule [1]

1			Washington		Normal	Current	11/1/2022	Proposed	Proposed	Proposed	
2			PGA Normalized		Therms	Minimum	11/1/2022	11/1/2022	11/1/2023	11/1/2023	Proposed
3			Volumes page,		Monthly	Monthly	Billing	Current	Rates	Property Sale	11/1/2023
4			Column D	Therms in	Average use	Charge	Rates	Average Bill[2]	Rates	Average Bill	% Bill Change
5				Block							
6	Schedule	Block	A	B	C	D	E	F	S	T	U
7	1R		318,916	N/A	16.0	\$5.50	\$1.59190	\$30.97	\$1.60247	\$31.14	0.5%
8	1C		22,569	N/A	51.0	\$7.00	\$1.60601	\$88.91	\$1.61478	\$89.35	0.5%
9	2R		60,471,175	N/A	58.0	\$8.00	\$1.41591	\$90.12	\$1.42256	\$90.51	0.4%
10	3 CFS		19,986,400	N/A	249.0	\$22.00	\$1.25038	\$333.34	\$1.25635	\$334.83	0.4%
11	3 IFS		277,642	N/A	1,218.0	\$22.00	\$1.22899	\$1,518.91	\$1.23439	\$1,525.49	0.4%
12	27		80,870	N/A	23.0	\$9.00	\$1.02062	\$32.47	\$1.02553	\$32.59	0.4%
13	41C Firm Sales	Block 1	1,570,103	2,000	3,712.0	\$250.00	\$1.03667		\$1.04140		
14		Block 2	2,126,827	all additional			\$0.98320		\$0.98737		
15		TOTAL						\$4,006.58		\$4,023.18	0.4%
16	41I Firm Sales	Block 1	405,389	2,000	4,578.0	\$250.00	\$0.96687		\$0.97094		
17		Block 2	803,153	all additional			\$0.92170		\$0.92527		
18		TOTAL						\$4,559.88		\$4,577.23	0.4%
19	41C Interr Sales	Block 1	0	2,000	0.0	\$250.00	\$1.01490		\$1.01867		
20		Block 2	0	all additional			\$0.96393		\$0.96725		
21		TOTAL						\$250.00		\$250.00	0.0%
22	41I Interr Sales	Block 1	0	2,000	0.0	\$250.00	\$0.95740		\$0.96083		
23		Block 2	0	all additional			\$0.91323		\$0.91626		
24		TOTAL						\$250.00		\$250.00	0.0%
25	41C Firm Trans	Block 1	148,853	2,000	4,664.0	\$500.00	\$0.38083		\$0.38541		
26		Block 2	298,848	all additional			\$0.33552		\$0.33956		
27		TOTAL						\$2,155.49		\$2,175.41	0.9%
28	41I Firm Trans	Block 1	0	2,000	0.0	\$500.00	\$0.37098		\$0.37447		
29		Block 2	0	all additional			\$0.32687		\$0.32993		
30		TOTAL						\$500.00		\$500.00	0.0%
31	42C Firm Sales	Block 1	701,175	10,000	17,264.0	\$1,300.00	\$0.80750		\$0.81099		
32		Block 2	698,884	20,000			\$0.78434		\$0.78747		
33		Block 3	213,654	20,000			\$0.73831		\$0.74071		
34		Block 4	43,634	100,000			\$0.70801		\$0.70993		
35		Block 5	0	600,000			\$0.66761		\$0.66889		
36		Block 6	0	all additional			\$0.61709		\$0.61756		
37		TOTAL						\$15,072.45		\$15,130.08	0.4%
38	42I Firm Sales	Block 1	1,266,148	10,000	19,128.0	\$1,300.00	\$0.75461		\$0.75745		
39		Block 2	871,827	20,000			\$0.73700		\$0.73954		
40		Block 3	146,523	20,000			\$0.70198		\$0.70393		
41		Block 4	10,867	100,000			\$0.67895		\$0.68050		
42		Block 5	0	600,000			\$0.64824		\$0.64929		
43		Block 6	0	all additional			\$0.60982		\$0.61021		
44		TOTAL						\$15,573.44		\$15,625.02	0.3%
45	42C Firm Trans	Block 1	217,853	10,000	73,112.0	\$1,550.00	\$0.15376		\$0.15564		
46		Block 2	435,705	20,000			\$0.13764		\$0.13931		
47		Block 3	435,705	20,000			\$0.10553		\$0.10682		
48		Block 4	665,436	100,000			\$0.08445		\$0.08548		
49		Block 5	0	600,000			\$0.05629		\$0.05698		
50		Block 6	0	all additional			\$0.02111		\$0.02136		
51		TOTAL						\$9,902.81		\$10,004.61	1.0%
52	42I Firm Trans	Block 1	840,318	10,000	68,813.0	\$1,550.00	\$0.15086		\$0.15272		
53		Block 2	1,062,417	20,000			\$0.13503		\$0.13669		
54		Block 3	936,547	20,000			\$0.10354		\$0.10482		
55		Block 4	2,527,103	100,000			\$0.08283		\$0.08386		
56		Block 5	1,239,686	600,000			\$0.05523		\$0.05591		
57		Block 6	0	all additional			\$0.02071		\$0.02096		
58		TOTAL						\$9,388.28		\$9,485.06	1.0%
59	42C Interr Sales	Block 1	226,932	10,000	39,178.0	\$1,300.00	\$0.76839		\$0.77050		
60		Block 2	425,616	20,000			\$0.74928		\$0.75117		
61		Block 3	194,048	20,000			\$0.71125		\$0.71269		
62		Block 4	93,667	100,000			\$0.68621		\$0.68737		
63		Block 5	0	600,000			\$0.65288		\$0.65366		
64		Block 6	0	all additional			\$0.61118		\$0.61146		
65		TOTAL						\$30,497.35		\$30,569.47	0.2%
66	42I Interr Sales	Block 1	128,853	10,000	18,328.0	\$1,300.00	\$0.75105		\$0.75368		
67		Block 2	91,079	20,000			\$0.73376		\$0.73611		
68		Block 3	0	20,000			\$0.69936		\$0.70116		
69		Block 4	0	100,000			\$0.67671		\$0.67815		
70		Block 5	0	600,000			\$0.64652		\$0.64748		
71		Block 6	0	all additional			\$0.60879		\$0.60915		
72		TOTAL						\$14,921.25		\$14,967.12	0.3%
73	42C Inter Trans	Block 1	0	10,000	0.0	\$1,550.00	\$0.14295		\$0.14429		
74		Block 2	0	20,000			\$0.12797		\$0.12917		
75		Block 3	0	20,000			\$0.09813		\$0.09905		
76		Block 4	0	100,000			\$0.07851		\$0.07924		
77		Block 5	0	600,000			\$0.05235		\$0.05284		
78		Block 6	0	all additional			\$0.01961		\$0.01980		
79		TOTAL						\$1,550.00		\$1,550.00	0.0%
80	42I Inter Trans	Block 1	830,413	10,000	0.0	\$1,550.00	\$0.14372		\$0.14531		
81		Block 2	1,522,701	20,000			\$0.12865		\$0.13007		
82		Block 3	1,166,628	20,000			\$0.09865		\$0.09974		
83		Block 4	2,984,749	100,000			\$0.07894		\$0.07981		
84		Block 5	1,303,638	600,000			\$0.05263		\$0.05321		
85		Block 6	0	all additional			\$0.01973		\$0.01995		
86		TOTAL						\$1,550.00		\$1,550.00	0.0%
87	43 Firm Trans		0	N/A	0.0	\$38,000.00	\$0.00578	\$38,000.00	\$0.00583	\$38,000.00	0.0%
88	43 Interr Trans		0	N/A	0.0	\$38,000.00	\$0.00521	\$38,000.00	\$0.00526	\$38,000.00	0.0%
89	Intentionally blank										
90	[1] Rate Schedule 41 and 42 customers may choose demand charges at a volumetric rate or based on MDDV. For										
91	convenience of presentation, demand charges are not included in the calculations for those schedules.										
92	[2] Residential current bill as of April 1, 2023										
93	[3] Proposed rates include the effect of removing the current Schedule 215 adjustment and applying the proposed										
94	Schedule 215 adjustment. The rate shown is for illustrative purposes only and assumes no other changes to rates occur										
95	November 1.										
96	Sources:										
97	Direct Inputs			per Tariff			per Tariff				
98											
99	Rates in summary Column A										

NW Natural
Rates & Regulatory Affairs
2023-2024 PGA Filing - Washington: September Filing
Summary of Deferred Accounts

	Account	Balance 8/31/2023	Sep-Oct Estimated Activity	Sep-Oct Interest	Estimated Balance 10/31/2023	Estimated Interest During Amortization	Total Estimated Amount for (Refund) or Collection	Amounts Excluded from PGA Filing	Amounts Included in PGA Filing
	A	B	C	D	E	F	G	H	I
					E = sum B thru D	8.02%	G = E + F Excl. Rev Sens		
1									
2	232075 WA PROPERTY SALE DEFER	0	0	0	0				
3	232050 AMORT WA GAIN ON PROP SALES	71	47,559	266	47,896				
4		71	47,559	266	47,896	2,106	50,002		50,002

Company: Northwest Natural Gas Company
 State: Washington
 Description: Property Sales Deferral - WA
 Account Number: 232075
 Docket UG-190457

Debit (Credit)

Month/Year	Note	Deferral	Transfers	Interest Rate	Interest	Activity	Total Balance
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1							Beginning Balance
7	Nov-21	1	419,663.31	0.00%	0.00	419,663.31	(418,289.31)
8	Dec-21	2	(40,465.98)	0.00%	0.00	(40,465.98)	(458,755.29)
9	Jan-22			0.00%	0.00	0.00	(458,755.29)
10	Feb-22			0.00%	0.00	0.00	(458,755.29)
11	Mar-22			0.00%	0.00	0.00	(458,755.29)
12	Apr-22			0.00%	0.00	0.00	(458,755.29)
13	May-22			0.00%	0.00	0.00	(458,755.29)
14	Jun-22			0.00%	0.00	0.00	(458,755.29)
15	Jul-22			0.00%	0.00	0.00	(458,755.29)
16	Aug-22			0.00%	0.00	0.00	(458,755.29)
17	Sep-22			0.00%	0.00	0.00	(458,755.29)
18	Oct-22			0.00%	0.00	0.00	(458,755.29)
19	Nov-22	3	458,755.29	0.00%	0.00	458,755.29	(0.00)

Notes

1 - Transferred authorized balance to 254307 for amortization.

2 - Transfer represents gain on the Astoria property sale to be refunded to customers in a future period.

3 - Transferred authorized balance to 232050 for amortization.

Company: Northwest Natural Gas Company
 State: Washington
 Description: Washington Share Gain Property Sales
 Account Number: 232050

1	Debit	(Credit)						
2								
3								
4	Month/Year	Note	Amortization	Transfers	Interest Rat	Interest	Activity	Balance
5	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6								
7	Beginning Balance							
34	Nov-22	2	23,064.32	(458,755.29)	4.91%	(1,829.89)	(437,520.86)	(430,684.79)
35	Dec-22		81,258.11		4.91%	(1,595.98)	79,662.13	(351,022.66)
36	Jan-23		82,716.81		6.31%	(1,628.32)	81,088.49	(269,934.17)
37	Feb-23		72,312.68		6.31%	(1,229.28)	71,083.40	(198,850.77)
38	Mar-23		72,855.94		6.31%	(854.07)	72,001.87	(126,848.90)
39	Apr-23		53,341.09		7.50%	(626.11)	52,714.98	(74,133.92)
40	May-23		30,452.82		7.50%	(368.17)	30,084.65	(44,049.27)
41	Jun-23		17,631.29		7.50%	(220.21)	17,411.08	(26,638.19)
42	Jul-23		14,388.71		8.02%	(129.95)	14,258.76	(12,379.43)
43	Aug-23		12,491.34		8.02%	(40.99)	12,450.35	70.92
44	Sep-23	<i>forecasted</i>	15,815.38		8.02%	53.32	15,868.70	15,939.62
45	Oct-23	<i>forecasted</i>	31,743.52		8.02%	212.61	31,956.13	47,895.75

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 47
 48
 49 **NOTES**
 50 **1 - Transferred in authorized balace from account 254317 for amortization.**
 51 **2 - Transferred in authorized balace from account 232075 for amortization.**

NW Natural
Rates & Regulatory Affairs
2023-24 Washington: September Filing
Tariff Advice 23-10: Residual- Astoria and Truck Lot Sale

	<u>Amount</u>
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	<u>Temporary Increments</u>	
	<u>Removal of Current Temporary Increments</u>	
	Amortization of Property Sales	482,414
	<u>Addition of Proposed Temporary Increments</u>	
	Amortization of Property Sales	52,280
		<u>52,280</u>
	TOTAL OF ALL COMPONENTS OF RATE CHANGES	<u><u>\$534,694</u></u>
	2022 Washington CBR Normalized Total Revenues	\$102,022,644
	Effect of this filing, as a percentage change	0.52%