

BEFORE THE
WASHINGTON UTILITIES & TRANSPORTATION COMMISSION

NWN WUTC Advice No. 21-09 / UG-200994 et al.

Northwest Natural Gas Company

Exhibit A

Combined Effects of Dockets UG-200994, UG-210555,
UG-210698, UG-210699, UG-210701, and UG-170094

October 25, 2021

NW NATURAL

EXHIBIT A

Combined Effects

NWN WUTC ADVICE NO. 21-09 / UG-200994 et al.

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Calculation of Effect on Customer Average Bill by Rate Schedule	1
Base and Total Billing Rates by Rate Schedule and Block – Combined Effects	2

Line No.	Schedule	Block	Block Volumes	Test Year Volumes	Test Year Customers	Current Tarriff Monthly Base Charge	YEAR 1 UG-200994, UG-210698, UG-210699, UG-170094, UG-210555 & UG-210701					YEAR 2 UG-200994, UG-210698, UG-210699, UG-170094, UG-210555 & UG-210701				
							Base Rate	Pipeline Capacity Rate (Demand) [1]	Commodity Rate (WACOG)	Temporary Adjustment	Total PGA + Year 1 GRC Rate	Base Rate	Pipeline Capacity Rate (Demand) [1]	Commodity Rate (WACOG)	Temporary Adjustment	Total PGA + Year 2 GRC Rate
1	1R	n/a	n/a	214,704	911	\$5.50	\$0.77857	\$0.10689	\$0.34873	\$0.11328	\$1.34747	\$0.84022	\$0.10689	\$0.34873	\$0.10933	\$1.40517
2	1C	n/a	n/a	46,539	34	\$7.00	\$0.81634	\$0.10689	\$0.34873	\$0.09633	\$1.36829	\$0.86760	\$0.10689	\$0.34873	\$0.09306	\$1.41628
3	2R	n/a	n/a	54,953,516	81,119	\$8.00	\$0.52274	\$0.10689	\$0.34873	\$0.07311	\$1.05147	\$0.56176	\$0.10689	\$0.34873	\$0.07060	\$1.08798
4	3 CFS	n/a	n/a	17,867,211	6,318	\$22.00	\$0.50167	\$0.10689	\$0.34873	\$0.06553	\$1.02282	\$0.53670	\$0.10689	\$0.34873	\$0.06328	\$1.05560
5	3 IFS	n/a	n/a	283,652	24	\$22.00	\$0.51501	\$0.10689	\$0.34873	\$0.00795	\$0.97858	\$0.54674	\$0.10689	\$0.34873	\$0.00592	\$1.00828
6	27R	n/a	n/a	461,372	776	\$9.00	\$0.28684	\$0.10689	\$0.34873	\$0.04711	\$0.78957	\$0.31461	\$0.10689	\$0.34873	\$0.04533	\$0.81556
7	41C Firm Sales	Block 1	2,000	1,777,065	91	\$250.00	\$0.39079	\$0.00000	\$0.34873	\$0.05114	\$0.79066	\$0.41861	\$0.00000	\$0.34873	\$0.04935	\$0.81669
8		Block 2	all additional	1,974,656			\$0.34435	\$0.00000	\$0.34873	\$0.04511	\$0.73819	\$0.36886	\$0.00000	\$0.34873	\$0.04354	\$0.76113
9	41I Firm Sales	Block 1	2,000	392,890	18	\$250.00	\$0.36329	\$0.00000	\$0.34873	\$0.00689	\$0.71891	\$0.37202	\$0.00000	\$0.34873	\$0.00542	\$0.72617
10		Block 2	all additional	621,650			\$0.32011	\$0.00000	\$0.34873	\$0.00612	\$0.67496	\$0.32780	\$0.00000	\$0.34873	\$0.00484	\$0.68137
11	41C Interr Sales	Block 1	2,000	-	-	\$250.00	\$0.37660	\$0.00000	\$0.34873	\$0.08848	\$0.81381	\$0.39822	\$0.00000	\$0.34873	\$0.08686	\$0.83381
12		Block 2	all additional	-	-		\$0.33181	\$0.00000	\$0.34873	\$0.08233	\$0.76287	\$0.35086	\$0.00000	\$0.34873	\$0.08092	\$0.78051
13	41I Interr Sales	Block 1	2,000	-	-	\$250.00	\$0.35627	\$0.00000	\$0.34873	\$0.04458	\$0.74958	\$0.36340	\$0.00000	\$0.34873	\$0.04310	\$0.75523
14		Block 2	all additional	-	-		\$0.31389	\$0.00000	\$0.34873	\$0.04366	\$0.70628	\$0.32017	\$0.00000	\$0.34873	\$0.04235	\$0.71125
15	41C Firm Transpt	Block 1	2,000	168,721	8	\$500.00	\$0.36918	\$0.00000	\$0.00000	\$0.00182	\$0.37100	\$0.37889	\$0.00000	\$0.00000	\$0.00019	\$0.37908
16		Block 2	all additional	272,866			\$0.32527	\$0.00000	\$0.00000	\$0.00161	\$0.32688	\$0.33382	\$0.00000	\$0.00000	\$0.00017	\$0.33399
17	41I Firm Transpt	Block 1	2,000	-	-	\$500.00	\$0.36060	\$0.00000	\$0.00000	\$0.00277	\$0.36337	\$0.36781	\$0.00000	\$0.00000	\$0.00125	\$0.36906
18		Block 2	all additional	-	-		\$0.31771	\$0.00000	\$0.00000	\$0.00244	\$0.32015	\$0.32406	\$0.00000	\$0.00000	\$0.00112	\$0.32518
19	42C Firm Sales	Block 1	10,000	350,770	5	\$1,300.00	\$0.18714	\$0.00000	\$0.34873	\$0.02702	\$0.56289	\$0.20809	\$0.00000	\$0.34873	\$0.02568	\$0.58250
20		Block 2	20,000	303,089			\$0.16751	\$0.00000	\$0.34873	\$0.02422	\$0.54046	\$0.18626	\$0.00000	\$0.34873	\$0.02301	\$0.55800
21		Block 3	20,000	59,442			\$0.12848	\$0.00000	\$0.34873	\$0.01865	\$0.49586	\$0.14286	\$0.00000	\$0.34873	\$0.01773	\$0.50932
22		Block 4	100,000	3,615			\$0.10277	\$0.00000	\$0.34873	\$0.01501	\$0.46651	\$0.11428	\$0.00000	\$0.34873	\$0.01427	\$0.47728
23		Block 5	600,000	-			\$0.06851	\$0.00000	\$0.34873	\$0.01015	\$0.42739	\$0.07618	\$0.00000	\$0.34873	\$0.00966	\$0.43457
24		Block 6	all additional	-			\$0.02568	\$0.00000	\$0.34873	\$0.00405	\$0.37846	\$0.02856	\$0.00000	\$0.34873	\$0.00387	\$0.38116
25	42I Firm Sales	Block 1	10,000	1,093,724	12	\$1,300.00	\$0.16068	\$0.00000	\$0.34873	\$0.00406	\$0.51347	\$0.16682	\$0.00000	\$0.34873	\$0.00303	\$0.51858
26		Block 2	20,000	655,940			\$0.14383	\$0.00000	\$0.34873	\$0.00368	\$0.49624	\$0.14933	\$0.00000	\$0.34873	\$0.00276	\$0.50082
27		Block 3	20,000	81,241			\$0.11029	\$0.00000	\$0.34873	\$0.00292	\$0.46194	\$0.11451	\$0.00000	\$0.34873	\$0.00221	\$0.46545
28		Block 4	100,000	9,320			\$0.08824	\$0.00000	\$0.34873	\$0.00241	\$0.43938	\$0.09161	\$0.00000	\$0.34873	\$0.00185	\$0.44219
29		Block 5	600,000	-			\$0.05884	\$0.00000	\$0.34873	\$0.00175	\$0.40932	\$0.06109	\$0.00000	\$0.34873	\$0.00137	\$0.41119
30		Block 6	all additional	-			\$0.02205	\$0.00000	\$0.34873	\$0.00092	\$0.37170	\$0.02289	\$0.00000	\$0.34873	\$0.00078	\$0.37240
31	42C Firm Transpt	Block 1	10,000	480,000	4	\$1,550.00	\$0.14912	\$0.00000	\$0.00000	\$0.00049	\$0.14961	\$0.15506	\$0.00000	\$0.00000	(\$0.00020)	\$0.15486
32		Block 2	20,000	807,846			\$0.13349	\$0.00000	\$0.00000	\$0.00043	\$0.13392	\$0.13880	\$0.00000	\$0.00000	(\$0.00017)	\$0.13863
33		Block 3	20,000	583,779			\$0.10236	\$0.00000	\$0.00000	\$0.00034	\$0.10270	\$0.10643	\$0.00000	\$0.00000	(\$0.00014)	\$0.10629
34		Block 4	100,000	598,933			\$0.08190	\$0.00000	\$0.00000	\$0.00027	\$0.08217	\$0.08516	\$0.00000	\$0.00000	(\$0.00010)	\$0.08506
35		Block 5	600,000	-			\$0.05460	\$0.00000	\$0.00000	\$0.00019	\$0.05479	\$0.05677	\$0.00000	\$0.00000	(\$0.00007)	\$0.05670
36		Block 6	all additional	-			\$0.02047	\$0.00000	\$0.00000	\$0.00007	\$0.02054	\$0.02128	\$0.00000	\$0.00000	(\$0.00002)	\$0.02126
37	42I Firm Transpt	Block 1	10,000	924,395	9	\$1,550.00	\$0.14808	\$0.00000	\$0.00000	\$0.00059	\$0.14867	\$0.15204	\$0.00000	\$0.00000	(\$0.00008)	\$0.15196
38		Block 2	20,000	1,036,796			\$0.13255	\$0.00000	\$0.00000	\$0.00052	\$0.13307	\$0.13609	\$0.00000	\$0.00000	(\$0.00007)	\$0.13602
39		Block 3	20,000	937,215			\$0.10164	\$0.00000	\$0.00000	\$0.00041	\$0.10205	\$0.10436	\$0.00000	\$0.00000	(\$0.00006)	\$0.10430
40		Block 4	100,000	2,390,318			\$0.08132	\$0.00000	\$0.00000	\$0.00033	\$0.08165	\$0.08349	\$0.00000	\$0.00000	(\$0.00005)	\$0.08344
41		Block 5	600,000	1,492,257			\$0.05421	\$0.00000	\$0.00000	\$0.00022	\$0.05443	\$0.05566	\$0.00000	\$0.00000	(\$0.00003)	\$0.05563
42		Block 6	all additional	-			\$0.02033	\$0.00000	\$0.00000	\$0.00008	\$0.02041	\$0.02087	\$0.00000	\$0.00000	(\$0.00001)	\$0.02086
43	42C Interr Sales	Block 1	10,000	240,000	2	\$1,300.00	\$0.15742	\$0.00000	\$0.34873	\$0.05757	\$0.56372	\$0.16987	\$0.00000	\$0.34873	\$0.05677	\$0.57537
44		Block 2	20,000	467,511			\$0.14092	\$0.00000	\$0.34873	\$0.05538	\$0.54503	\$0.15206	\$0.00000	\$0.34873	\$0.05466	\$0.55545
45		Block 3	20,000	218,004			\$0.10805	\$0.00000	\$0.34873	\$0.05103	\$0.50781	\$0.11659	\$0.00000	\$0.34873	\$0.05049	\$0.51581
46		Block 4	100,000	18,208			\$0.08644	\$0.00000	\$0.34873	\$0.04817	\$0.48334	\$0.09327	\$0.00000	\$0.34873	\$0.04773	\$0.48973
47		Block 5	600,000	-			\$0.05764	\$0.00000	\$0.34873	\$0.04436	\$0.45073	\$0.06220	\$0.00000	\$0.34873	\$0.04406	\$0.45499
48		Block 6	all additional	-			\$0.02162	\$0.00000	\$0.34873	\$0.03960	\$0.40995	\$0.02333	\$0.00000	\$0.34873	\$0.03950	\$0.41156
49	42I Interr Sales	Block 1	10,000	156,740	2	\$1,300.00	\$0.15825	\$0.00000	\$0.34873	\$0.04187	\$0.54885	\$0.16391	\$0.00000	\$0.34873	\$0.04092	\$0.55356
50		Block 2	20,000	159,690			\$0.14166	\$0.00000	\$0.34873	\$0.04133	\$0.53172	\$0.14673	\$0.00000	\$0.34873	\$0.04048	\$0.53594
51		Block 3	20,000	-			\$0.10863	\$0.00000	\$0.34873	\$0.04026	\$0.49762	\$0.11252	\$0.00000	\$0.34873	\$0.03961	\$0.50086
52		Block 4	100,000	-			\$0.08691	\$0.00000	\$0.34873	\$0.03956	\$0.47520	\$0.09002	\$0.00000	\$0.34873	\$0.03904	\$0.47779
53		Block 5	600,000	-			\$0.05793	\$0.00000	\$0.34873	\$0.03862	\$0.44528	\$0.06000	\$0.00000	\$0.34873	\$0.03827	\$0.44700
54		Block 6	all additional	-			\$0.02172	\$0.00000	\$0.34873	\$0.03745	\$0.40790	\$0.02250	\$0.00000	\$0.34873	\$0.03732	\$0.40855
55	42C Inter Transpt	Block 1	10,000	-	-	\$1,550.00	\$0.13891	\$0.00000	\$0.00000	\$0.00099	\$0.13990	\$0.14169	\$0.00000	\$0.00000	\$0.00041	\$0.14210
56		Block 2	20,000	-	-		\$0.12436	\$0.00000	\$0.00000	\$0.00088	\$0.12524	\$0.12685	\$0.00000	\$0.00000	\$0.00036	\$0.12721
57		Block 3	20,000	-	-		\$0.09536	\$0.00000	\$0.00000	\$0.00068	\$0.09604	\$0.09727	\$0.00000	\$0.00000	\$0.00028	\$0.09755
58		Block 4	100,000	-	-		\$0.07629	\$0.00000	\$0.00000	\$0.00055	\$0.07684	\$0.07782	\$0.00000	\$0.00000	\$0.00023	\$0.07805
59		Block 5	600,000	-	-		\$0.05087	\$0.00000	\$0.00000	\$0.00037	\$0.05124	\$0.05189	\$0.00000	\$0.00000	\$0.00015	\$0.05204
60		Block 6	all additional	-	-		\$0.01906	\$0.00000	\$0.00000	\$0.00014	\$0.01920	\$0.01944	\$0.00000	\$0.00000	\$0.00005	\$0.01949
61																