

EXHIBIT A

BEFORE THE  
WASHINGTON UTILITIES & TRANSPORTATION COMMISSION

NW NATURAL  
SUPPORTING MATERIALS

WA Low-Income Program Costs (Amortization)

NWN WUTC Advice No. 20-6 / UG-\_\_\_\_\_

September 14, 2020

# NW NATURAL

## EXHIBIT A

### Supporting Materials

#### WA Low-Income Program Costs (AMORTIZATION)

NWN WUTC ADVICE NO. 20-6 / UG-\_\_\_\_\_

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NW Natural  
 Rates & Regulatory Affairs  
 2020-2021 PGA Filing - Washington: September Filing  
 Calculation of Increments Allocated on the EQUAL PERCENTAGE OF MARGIN BASIS

Schedule	Block	PGA Volumes page, Column D	Billing Rate from Rates page, Column A	WACOG & Demand from Rates page, Column B+C+D	Temps from Temporary Increment page, Column A	MARGIN Rate	Volumetric Margin	Customer Charge	Customers	Total Margin	Low Income Bill Pay Assistance (GREAT)			WA-LIEE		
											Proposed Amount:	373,881	Temporary Increments	319,226	Temporary Increments	
											Revenue Sensitive Multiplier:			4.158% add revenue sensitive factor		
											Amount to Amortize:			390,101 All sales		
											Multiplier	Allocation to RS	Increment	Multiplier	Allocation to RS	Increment
											M	N	O	P	Q	R
1R		218,577	\$1.04886	\$0.31381	\$0.05852	\$0.67653	\$147,874	\$5.50	909	\$207,868	1.0	\$1,754	\$0.00802	1.0	\$1,497	\$0.00685
1C		38,726	\$1.09471	\$0.31381	\$0.04941	\$0.73149	\$28,328	\$7.00	35	\$31,268	1.0	\$264	\$0.00682	1.0	\$225	\$0.00581
2R		55,009,539	\$0.81021	\$0.31381	\$0.03824	\$0.45816	\$25,203,170	\$8.00	80,451	\$32,926,466	1.0	\$277,810	\$0.00505	1.0	\$237,199	\$0.00431
3 CFS		18,385,905	\$0.79219	\$0.31381	\$0.03470	\$0.44368	\$8,157,458	\$22.00	6,333	\$9,829,370	1.0	\$82,933	\$0.00451	1.0	\$70,810	\$0.00385
3 IFS		263,842	\$0.76295	\$0.31381	-\$0.01335	\$0.46249	\$122,024	\$22.00	24	\$128,360	1.0	\$1,083	\$0.00410	1.0	\$925	\$0.00351
27		591,910	\$0.58291	\$0.31381	\$0.02822	\$0.24088	\$142,579	\$9.00	755	\$224,119	1.0	\$1,891	\$0.00319	1.0	\$1,615	\$0.00273
41C Firm Sales	Block 1	1,992,236	\$0.57634	\$0.20291	\$0.02869	\$0.34474	\$1,337,499	\$250.00	92	\$1,613,499	1.0	\$13,614	\$0.00351	1.0	\$11,624	\$0.00300
	Block 2	2,142,068	\$0.53271	\$0.20291	\$0.02603	\$0.30377					1.0		\$0.00309	1.0		\$0.00264
41C Interr Sales	Block 1	0	\$0.59162	\$0.20291	\$0.04498	\$0.34373	\$0	\$250.00	0	\$0	1.0	\$0	\$0.00356	1.0	\$0	\$0.00304
	Block 2	0	\$0.54840	\$0.20291	\$0.04264	\$0.30285					1.0		\$0.00313	1.0		\$0.00268
41 Firm Trans	Block 1	169,264	\$0.32489	\$0.00000	-\$0.02302	\$0.34791	\$138,891	\$500.00	8	\$186,891	0.0	\$0	\$0.00000	0.0	\$0	\$0.00000
	Block 2	260,994	\$0.28625	\$0.00000	-\$0.02028	\$0.30653					0.0		\$0.00000	0.0		\$0.00000
41I Firm Sales	Block 1	399,967	\$0.53622	\$0.20291	-\$0.01085	\$0.34416	\$328,810	\$250.00	18	\$382,810	1.0	\$3,230	\$0.00338	1.0	\$2,758	\$0.00289
	Block 2	630,361	\$0.49736	\$0.20291	-\$0.00880	\$0.30325					1.0		\$0.00298	1.0		\$0.00254
41I Interr Sales	Block 1	0	\$0.55420	\$0.20291	\$0.00756	\$0.34373	\$0	\$250.00	0	\$0	1.0	\$0	\$0.00356	1.0	\$0	\$0.00304
	Block 2	0	\$0.51543	\$0.20291	\$0.00967	\$0.30285					1.0		\$0.00313	1.0		\$0.00268
42C Firm Sales	Block 1	542,976	\$0.37151	\$0.20291	\$0.01614	\$0.15246	\$158,248	\$1,300.00	5	\$236,248	1.0	\$1,993	\$0.00192	1.0	\$1,702	\$0.00164
	Block 2	474,167	\$0.35450	\$0.20291	\$0.01512	\$0.13647					1.0		\$0.00172	1.0		\$0.00147
	Block 3	97,891	\$0.32067	\$0.20291	\$0.01309	\$0.10467					1.0		\$0.00132	1.0		\$0.00113
	Block 4	6,094	\$0.29838	\$0.20291	\$0.01174	\$0.08373					1.0		\$0.00105	1.0		\$0.00090
	Block 5	0	\$0.26868	\$0.20291	\$0.00996	\$0.05581					1.0		\$0.00070	1.0		\$0.00060
	Block 6	0	\$0.23154	\$0.20291	\$0.00771	\$0.02092					1.0		\$0.00026	1.0		\$0.00023
42I Firm Sales	Block 1	1,086,353	\$0.34641	\$0.20291	-\$0.00371	\$0.14721	\$251,082	\$1,300.00	11	\$422,682	1.0	\$3,566	\$0.00209	1.0	\$3,045	\$0.00179
	Block 2	638,955	\$0.33204	\$0.20291	-\$0.00264	\$0.13177					1.0		\$0.00187	1.0		\$0.00160
	Block 3	68,923	\$0.30341	\$0.20291	-\$0.00055	\$0.10105					1.0		\$0.00144	1.0		\$0.00123
	Block 4	0	\$0.28459	\$0.20291	\$0.00084	\$0.08084					1.0		\$0.00115	1.0		\$0.00098
	Block 5	0	\$0.25951	\$0.20291	\$0.00269	\$0.05391					1.0		\$0.00077	1.0		\$0.00065
	Block 6	0	\$0.22810	\$0.20291	\$0.00499	\$0.02020					1.0		\$0.00029	1.0		\$0.00024
42C Firm Trans	Block 1	479,847	\$0.12884	\$0.00000	-\$0.00908	\$0.13792	\$256,050	\$1,550.00	4	\$330,450	0.0	\$0	\$0.00000	0.0	\$0	\$0.00000
	Block 2	792,463	\$0.11534	\$0.00000	-\$0.00813	\$0.12347					0.0		\$0.00000	0.0		\$0.00000
	Block 3	542,281	\$0.08844	\$0.00000	-\$0.00623	\$0.09467					0.0		\$0.00000	0.0		\$0.00000
	Block 4	537,117	\$0.07077	\$0.00000	-\$0.00498	\$0.07575					0.0		\$0.00000	0.0		\$0.00000
	Block 5	0	\$0.04718	\$0.00000	-\$0.00332	\$0.05050					0.0		\$0.00000	0.0		\$0.00000
	Block 6	0	\$0.01768	\$0.00000	-\$0.00125	\$0.01893					0.0		\$0.00000	0.0		\$0.00000
42I Firm Trans	Block 1	901,597	\$0.13275	\$0.00000	-\$0.00666	\$0.13941	\$610,724	\$1,550.00	9	\$778,124	0.0	\$0	\$0.00000	0.0	\$0	\$0.00000
	Block 2	1,041,722	\$0.11883	\$0.00000	-\$0.00596	\$0.12479					0.0		\$0.00000	0.0		\$0.00000
	Block 3	957,215	\$0.09112	\$0.00000	-\$0.00457	\$0.09569					0.0		\$0.00000	0.0		\$0.00000
	Block 4	2,490,044	\$0.07291	\$0.00000	-\$0.00365	\$0.07656					0.0		\$0.00000	0.0		\$0.00000
	Block 5	1,426,372	\$0.04860	\$0.00000	-\$0.00244	\$0.05104					0.0		\$0.00000	0.0		\$0.00000
	Block 6	0	\$0.01823	\$0.00000	-\$0.00091	\$0.01914					0.0		\$0.00000	0.0		\$0.00000
42C Interr Sales	Block 1	239,999	\$0.37347	\$0.20291	\$0.03374	\$0.13682	\$112,107	\$1,300.00	2	\$143,307	1.0	\$1,209	\$0.00148	1.0	\$1,032	\$0.00126
	Block 2	454,151	\$0.35825	\$0.20291	\$0.03287	\$0.12247					1.0		\$0.00132	1.0		\$0.00113
	Block 3	230,285	\$0.32792	\$0.20291	\$0.03110	\$0.09391					1.0		\$0.00101	1.0		\$0.00086
	Block 4	26,942	\$0.30799	\$0.20291	\$0.02995	\$0.07513					1.0		\$0.00081	1.0		\$0.00069
	Block 5	0	\$0.28141	\$0.20291	\$0.02841	\$0.05009					1.0		\$0.00054	1.0		\$0.00046
	Block 6	0	\$0.24819	\$0.20291	\$0.02649	\$0.01879					1.0		\$0.00020	1.0		\$0.00017
42I Interr Sales	Block 1	160,966	\$0.36417	\$0.20291	\$0.01542	\$0.14584	\$42,502	\$1,300.00	3	\$89,302	1.0	\$753	\$0.00258	1.0	\$643	\$0.00221
	Block 2	145,741	\$0.34993	\$0.20291	\$0.01647	\$0.13055					1.0		\$0.00231	1.0		\$0.00198
	Block 3	0	\$0.32155	\$0.20291	\$0.01853	\$0.10011					1.0		\$0.00177	1.0		\$0.00151
	Block 4	0	\$0.30289	\$0.20291	\$0.01989	\$0.08009					1.0		\$0.00142	1.0		\$0.00121
	Block 5	0	\$0.27800	\$0.20291	\$0.02170	\$0.05339					1.0		\$0.00095	1.0		\$0.00081
	Block 6	0	\$0.24690	\$0.20291	\$0.02397	\$0.02002					1.0		\$0.00035	1.0		\$0.00030
42 Inter Trans	Block 1	861,932	\$0.12574	\$0.00000	-\$0.00829	\$0.13403	\$668,710	\$1,550.00	10	\$854,710	0.0	\$0	\$0.00000	0.0	\$0	\$0.00000
	Block 2	1,453,508	\$0.11256	\$0.00000	-\$0.00742	\$0.11998					0.0		\$0.00000	0.0		\$0.00000
	Block 3	976,710	\$0.08631	\$0.00000	-\$0.00569	\$0.09200					0.0		\$0.00000	0.0		\$0.00000
	Block 4	3,078,834	\$0.06906	\$0.00000	-\$0.00455	\$0.07361					0.0		\$0.00000	0.0		\$0.00000
	Block 5	1,269,411	\$0.04605	\$0.00000	-\$0.00303	\$0.04908					0.0		\$0.00000	0.0		\$0.00000
	Block 6	0	\$0.01725	\$0.00000	-\$0.00114	\$0.01839					0.0		\$0.00000	0.0		\$0.00000
43 Firm Trans		0	\$0.00456	\$0.00000	-\$0.00035	\$0.00491	\$0	\$38,000.00	0	\$0	0.0	\$0	\$0.00000	0.0	\$0	\$0.00000
43 Interr Trans		0	\$0.00456	\$0.00000	-\$0.00035	\$0.00491	\$0	\$38,000.00	0	\$0	0.0	\$0	\$0.00000	0.0	\$0	\$0.00000
Intentionally blank																
Totals		101,085,884					\$37,706,056			\$48,385,474	\$46,235,299	\$390,100	\$46,235,299	\$333,075		

Sources for line 2 above:

Inputs page	Column G	Line 41	Line 39
Tariff Schedules:			
Schedule #		Sched 230, Prg J	Sched 230, Prg I

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

NW Natural

Rates & Regulatory Affairs

2020-2021 PGA Filing - Washington: September Filing

PGA Effects on Average Bill by Rate Schedule

Calculation of Effect on Customer Average Bill by Rate Schedule [1]

		Washington PGA Normalized Volumes page, Column D	Therms in Block	Normal Therms Monthly Average use	Minimum Monthly Charge	Current 11/1/2019 Billing Rates	11/1/2019 Current Average Bill	Proposed 11/1/2020 GREAT & LEE Rates	Proposed 11/1/2020 GREAT & LEE Average Bill	Proposed 11/1/2020 GREAT & LEE % Bill Change
		A	B	C	D	E	F=D*(C * E)	J	K= D*(C*J)	L
Schedule	Block									
1R		218,577	N/A	20.0	\$5.50	\$1.04886	\$26.48	\$1.05522	\$26.60	0.5%
1C		38,726	N/A	92.0	\$7.00	\$1.09471	\$107.71	\$1.10032	\$108.23	0.5%
2R		55,009,539	N/A	57.0	\$8.00	\$0.81021	\$54.18	\$0.81433	\$54.42	0.4%
3 CFS		18,385,905	N/A	242.0	\$22.00	\$0.79219	\$213.71	\$0.79587	\$214.60	0.4%
3 IFS		263,842	N/A	916.0	\$22.00	\$0.76295	\$720.86	\$0.76636	\$723.99	0.4%
27		591,910	N/A	65.0	\$9.00	\$0.58291	\$46.89	\$0.58526	\$47.04	0.3%
41C Firm Sales	Block 1	1,992,236	2,000	3,745.0	\$250.00	\$0.57634	\$0.57917			
	Block 2	2,142,068	all additional			\$0.53271	\$0.53520			
	<b>TOTAL</b>						<b>\$2,332.26</b>		<b>\$2,342.26</b>	<b>0.4%</b>
41C Interr Sales	Block 1	0	2,000	0.0	\$250.00	\$0.59162	\$0.59468			
	Block 2	0	all additional			\$0.54840	\$0.55109			
	<b>TOTAL</b>						<b>\$250.00</b>		<b>\$250.00</b>	<b>0.0%</b>
41 Firm Trans	Block 1	169,264	2,000	4,482.0	\$500.00	\$0.32489	\$0.32489			
	Block 2	260,994	all additional			\$0.28625	\$0.28625			
	<b>TOTAL</b>						<b>\$1,860.25</b>		<b>\$1,860.25</b>	<b>0.0%</b>
41I Firm Sales	Block 1	399,967	2,000	4,770.0	\$250.00	\$0.53622	\$0.53892			
	Block 2	630,361	all additional			\$0.49736	\$0.49973			
	<b>TOTAL</b>						<b>\$2,700.13</b>		<b>\$2,712.09</b>	<b>0.4%</b>
41I Interr Sales	Block 1	0	2,000	0.0	\$250.00	\$0.55420	\$0.55726			
	Block 2	0	all additional			\$0.51543	\$0.51812			
	<b>TOTAL</b>						<b>\$250.00</b>		<b>\$250.00</b>	<b>0.0%</b>
42C Firm Sales	Block 1	542,976	10,000	18,685.0	\$1,300.00	\$0.37151	\$0.37308			
	Block 2	474,167	20,000			\$0.35450	\$0.35590			
	Block 3	97,891	20,000			\$0.32067	\$0.32175			
	Block 4	6,094	100,000			\$0.29838	\$0.29923			
	Block 5	0	600,000			\$0.26868	\$0.26925			
	Block 6	0	all additional			\$0.23154	\$0.23176			
	<b>TOTAL</b>						<b>\$8,093.93</b>		<b>\$8,121.79</b>	<b>0.3%</b>
42I Firm Sales	Block 1	1,086,353	10,000	13,593.0	\$1,300.00	\$0.34641	\$0.34807			
	Block 2	638,955	20,000			\$0.33204	\$0.33352			
	Block 3	68,923	20,000			\$0.30341	\$0.30456			
	Block 4	0	100,000			\$0.28459	\$0.28550			
	Block 5	0	600,000			\$0.25951	\$0.26012			
	Block 6	0	all additional			\$0.22810	\$0.22833			
	<b>TOTAL</b>						<b>\$5,957.12</b>		<b>\$5,979.04</b>	<b>0.4%</b>
42C Firm Trans	Block 1	479,847	10,000	48,994.0	\$1,550.00	\$0.12884	\$0.12884			
	Block 2	792,463	20,000			\$0.11534	\$0.11534			
	Block 3	542,281	20,000			\$0.08844	\$0.08844			
	Block 4	537,117	100,000			\$0.07077	\$0.07077			
	Block 5	0	600,000			\$0.04718	\$0.04718			
	Block 6	0	all additional			\$0.01768	\$0.01768			
	<b>TOTAL</b>						<b>\$6,825.03</b>		<b>\$6,825.03</b>	<b>0.0%</b>
42I Firm Trans	Block 1	901,597	10,000	63,120.0	\$1,550.00	\$0.13275	\$0.13275			
	Block 2	1,041,722	20,000			\$0.11883	\$0.11883			
	Block 3	957,215	20,000			\$0.09112	\$0.09112			
	Block 4	2,490,044	100,000			\$0.07291	\$0.07291			
	Block 5	1,426,372	600,000			\$0.04860	\$0.04860			
	Block 6	0	all additional			\$0.01823	\$0.01823			
	<b>TOTAL</b>						<b>\$8,033.08</b>		<b>\$8,033.08</b>	<b>0.0%</b>
42C Interr Sales	Block 1	239,999	10,000	39,641.0	\$1,300.00	\$0.37347	\$0.37469			
	Block 2	454,151	20,000			\$0.35825	\$0.35933			
	Block 3	230,285	20,000			\$0.32792	\$0.32875			
	Block 4	26,942	100,000			\$0.30799	\$0.30865			
	Block 5	0	600,000			\$0.28141	\$0.28185			
	Block 6	0	all additional			\$0.24819	\$0.24835			
	<b>TOTAL</b>						<b>\$15,361.18</b>		<b>\$15,402.98</b>	<b>0.3%</b>
42I Interr Sales	Block 1	160,966	10,000	8,520.0	\$1,300.00	\$0.36417	\$0.36625			
	Block 2	145,741	20,000			\$0.34993	\$0.35179			
	Block 3	0	20,000			\$0.32155	\$0.32296			
	Block 4	0	100,000			\$0.30289	\$0.30404			
	Block 5	0	600,000			\$0.27800	\$0.27877			
	Block 6	0	all additional			\$0.24690	\$0.24718			
	<b>TOTAL</b>						<b>\$4,402.73</b>		<b>\$4,420.45</b>	<b>0.4%</b>
42 Inter Trans	Block 1	861,932	10,000	63,670.0	\$1,550.00	\$0.12574	\$0.12574			
	Block 2	1,453,508	20,000			\$0.11256	\$0.11256			
	Block 3	976,710	20,000			\$0.08631	\$0.08631			
	Block 4	3,078,834	100,000			\$0.06906	\$0.06906			
	Block 5	1,269,411	600,000			\$0.04605	\$0.04605			
	Block 6	0	all additional			\$0.01725	\$0.01725			
	<b>TOTAL</b>						<b>\$7,728.85</b>		<b>\$7,728.85</b>	<b>0.0%</b>
43 Firm Trans		0	N/A	0.0	\$38,000.00	\$0.00456	\$38,000.00	\$0.00456	\$38,000.00	0.0%
43 Interr Trans		0	N/A	0.0	\$38,000.00	\$0.00456	\$38,000.00	\$0.00456	\$38,000.00	0.0%

[1] Rate Schedule 41 and 42 customers may choose demand charges at a volumetric rate or based on MDDV. For convenience of presentation, demand charges are not included in the calculations for those schedules.

[2] Proposed rates include the effect of removing the current Schedule 215 adjustment and applying the proposed Schedule 215 adjustment. The rate shown is for illustrative purposes only and assumes no other changes to rates occur November 1.

Sources:

Direct Inputs	per Tariff	per Tariff
Rates in summary		
	Column A	

**NW Natural  
 Rates & Regulatory Affairs  
 2020-2021 PGA Filing - Washington: September Filing  
 Summary of Deferred Accounts**

Account	Balance 8/31/2020	Sep-Oct Estimated Activity	Sep-Oct Interest	Estimated Balance 10/31/2020	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	3.43%	G = E + F Excl. Rev Sens		
<b>DSM &amp; LOW INCOME PROGRAMS</b>								
186234 WA LOW INCOME BILL PAY ASSIST (GREAT)	367,415	0	2,103	369,518				
186235 WA GREAT AMORTIZATION	23,344	(25,909)	72	(2,493)				
	390,759	(25,909)	2,176	367,026	6,855	373,881		373,881
186314 WA WA-LIEE PROGRAM (2019 program year only)	309,917	0	1,774	311,692				
186315 AMORT WA-LIEE PROGRAM	11,279	(9,640)	42	1,681				
	321,196	(9,640)	1,816	313,373	5,853	319,226		319,226

Notes

Please refer to NWN workpapers or electronic file "NWN 2020-21 Washington PGA rate development file September filing.xls" for application of revenue sensitive effect and calculation of rate increments.

Company: Northwest Natural Gas Company  
 State: Washington  
 Description: Washington WA-LIEE  
 Account Number: 186314  
 Program under Schedule I  
 Temp Increment under Schedule 230

1	Debit	(Credit)										
2												
3					Interest		2019	2020	Total		2019	2020
4	Month/Year	Note	Accumulation	Transfers	Rate	Interest	Calendar	Calendar	Activity	Balance	Calendar	Calendar
5	(a)	(b)	(c)	(d)	(e1)	(e2)	(e7)	(e7)	(f)	(g1)	(g6)	(g6)
6												
7	Beginning Balance											
124	Jan-19		47,639.27		5.18%	521.25	102.83		48,160.52	145,092.91	47,742.10	
125	Feb-19		1,638.00		5.18%	629.85	209.62		2,267.85	147,360.76	49,589.72	
126	Mar-19		0.00		5.18%	636.11	214.07		636.11	147,996.87	49,803.79	
127	Apr-19		57.32		5.45%	672.28	226.32		729.60	148,726.47	50,087.43	
128	May-19		74.52		5.45%	675.64	227.65		750.16	149,476.63	50,389.60	
129	Jun-19		96,005.19		5.45%	896.88	446.86		96,902.07	246,378.70	146,841.65	
130	Jul-19		2,390.07		5.50%	1,134.71	678.50		3,524.78	249,903.48	149,910.22	
131	Aug-19		13,628.97		5.50%	1,176.62	718.32		14,805.59	264,709.07	164,257.51	
132	Sep-19		71.65		5.50%	1,213.41	753.01		1,285.06	265,994.13	165,082.17	
133	Oct-19		69,890.00		5.42%	1,359.24	903.45		71,249.24	337,243.37	235,875.62	
134	Nov-19	<b>1</b>	61,735.18	(101,367.75)	5.42%	1,204.79	1,204.79		(38,427.78)	298,815.59	298,815.59	
135	Dec-19		611.10		5.42%	1,351.03	1,351.03		1,962.13	300,777.72	300,777.72	
136	Jan-20		27,146.71		4.96%	1,299.32	1,243.21	56.11	28,446.03	329,223.75	302,020.93	27,202.82
137	Feb-20		3,150.79		4.96%	1,367.30	1,248.35	118.95	4,518.09	333,741.84	303,269.28	30,472.56
138	Mar-20		1,135.10		4.96%	1,381.81	1,253.51	128.30	2,516.91	336,258.75	304,522.79	31,735.96
139	Apr-20		11,669.43		4.75%	1,354.12	1,205.40	148.72	13,023.55	349,282.30	305,728.19	43,554.11
140	May-20		117.92		4.75%	1,382.81	1,210.17	172.64	1,500.73	350,783.03	306,938.36	43,844.67
141	Jun-20		4,856.88		4.75%	1,398.13	1,214.96	183.17	6,255.01	357,038.04	308,153.32	48,884.72
142	Jul-20		265.32		3.43%	1,020.91	880.80	140.11	1,286.23	358,324.27	309,034.12	49,290.15
143	Aug-20		755.41		3.43%	1,025.29	883.32	141.97	1,780.70	360,104.97	309,917.44	50,187.53
144	Sep-20				3.43%	1,029.30	885.85	143.45	1,029.30	361,134.27	310,803.29	50,330.98
145	Oct-20				3.43%	1,032.24	888.38	143.86	1,032.24	362,166.51	311,691.67	50,474.84

History truncated for ease of viewing

**Notes**

**1** - Transferred Dec 2017 deferral balance plus 2018 interest on the balance to account 186315 for amortization.

Company: Northwest Natural Gas Company  
 State: Washington  
 Description: Washington WA-LIEE Amortization  
 Account Number: 186315  
 Program under Schedule I  
 Temp Increment under Schedule 230

1 Debit (Credit)								
2								
3								
4	Month/Year	Note	Accumulation	Transfers	Interest Rate	Interest	Activity	Balance
5	(a)	(b)	(c)	(d)	(e1)	(e2)	(f)	(g)
6								
7	Beginning Balance							
124	Nov-19 new <b>(1)</b>		(3,936.81)	101,367.75	5.42%	448.95	97,879.89	92,866.24
125	Dec-19		(14,616.61)		5.42%	386.44	(14,230.17)	78,636.07
126	Jan-20		(16,282.39)		4.96%	291.38	(15,991.01)	62,645.06
127	Feb-20		(13,552.24)		4.96%	230.92	(13,321.32)	49,323.74
128	Mar-20		(13,119.76)		4.96%	176.76	(12,943.00)	36,380.74
129	Apr-20		(9,981.61)		4.75%	124.25	(9,857.36)	26,523.38
130	May-20		(5,418.25)		4.75%	94.26	(5,323.99)	21,199.39
131	Jun-20		(4,192.41)		4.75%	75.62	(4,116.79)	17,082.60
132	Jul-20		(3,272.58)		3.43%	44.15	(3,228.43)	13,854.17
133	Aug-20		(2,611.06)		3.43%	35.87	(2,575.19)	11,278.98
134	Sep-20 <i>forecast</i>		(3,154.72)		3.43%	27.73	(3,126.99)	8,151.99
135	Oct-20 <i>forecast</i>		(6,485.12)		3.43%	14.03	(6,471.09)	1,680.90

137 **History truncated for ease of viewing**

139 **Notes**

140 **1** - Transfer in amounts from account 186314 approved for amortization.

Company: Northwest Natural Gas Company  
 State: Washington  
 Description: Washington Low Income Bill Pay Assistance (GREAT)  
 Account Number: 186234  
 Program under Schedule J  
 Temp Increment under Schedule 230

1	Debit (Credit)								
2									
3					Interest				
4	Month/Year	Note	Deferral	Transfers	Rate	Interest	Activity	Balance	
5	(a)	(b)	(c)	(d)	(e1)	(e2)	(f)	(g)	
6									
125	Nov-19	<b>1</b>		27,747.29	(270,817.86)	5.42%	77.54	(242,993.03)	31,118.58
126	Dec-19			45,898.03		5.42%	244.21	46,142.24	77,260.82
127	Jan-20			51,492.84		4.96%	425.76	51,918.60	129,179.42
128	Feb-20			39,409.70		4.96%	615.39	40,025.09	169,204.51
129	Mar-20			40,844.59		4.96%	783.79	41,628.38	210,832.89
130	Apr-20			19,447.60		4.75%	873.04	20,320.64	231,153.53
131	May-20			32,384.65		4.75%	979.08	33,363.73	264,517.26
132	Jun-20			39,616.81		4.75%	1,125.46	40,742.27	305,259.53
133	Jul-20			32,784.45		3.43%	919.39	33,703.84	338,963.37
134	Aug-20			27,443.58		3.43%	1,008.09	28,451.67	367,415.04
135	Sep-20					3.43%	1,050.19	1,050.19	368,465.23
136	Oct-20					3.43%	1,053.20	1,053.20	369,518.43

137  
 138 History truncated for ease of viewing

139  
 140 Notes

141 1 - Transferred authorized balance to account 186235 for amortization.



Company: Northwest Natural Gas Company  
 State: Washington  
 Description: Amortize Washington Low Income Bill Pay Assistance (GREAT)  
 Account Number: 186235  
 Program under Schedule J  
 Temp Increment under Schedule 230

1	Debit (Credit)							
2								
3								
4	Month/Year	Note	Amortization	Transfers	Interest Rate	Interest	Activity	Balance
5	(a)	(b)	(c)	(d)	(e1)	(e2)	(f)	(g)
6								
7	Beginning Balance							
137	Nov-19 new <b>(1)</b>		(10,584.99)	270,817.86	5.42%	1,199.29	261,432.16	242,910.43
138	Dec-19		(39,295.12)		5.42%	1,008.40	(38,286.72)	204,623.71
139	Jan-20		(43,773.04)		4.96%	755.31	(43,017.73)	161,605.98
140	Feb-20		(36,432.24)		4.96%	592.68	(35,839.56)	125,766.42
141	Mar-20		(35,269.46)		4.96%	446.94	(34,822.52)	90,943.90
142	Apr-20		(26,833.68)		4.75%	306.88	(26,526.80)	64,417.10
143	May-20		(14,566.10)		4.75%	226.16	(14,339.94)	50,077.16
144	Jun-20		(11,270.29)		4.75%	175.92	(11,094.37)	38,982.79
145	Jul-20		(8,796.02)		3.43%	98.85	(8,697.17)	30,285.62
146	Aug-20		(7,017.70)		3.43%	76.54	(6,941.16)	23,344.46
147	Sep-20 <i>forecast</i>		(8,477.13)		3.43%	54.61	(8,422.52)	14,921.94
148	Oct-20 <i>forecast</i>		(17,432.24)		3.43%	17.74	(17,414.50)	(2,492.56)

149  
 150 **History truncated for ease of viewing**

151  
 152 **Notes**

153 **1** - Transfer in amounts from account 186234 approved for amortization.

