

EXHIBIT A

BEFORE THE
WASHINGTON UTILITIES & TRANSPORTATION COMMISSION

NW NATURAL
SUPPORTING MATERIALS

WA Low-Income Program Costs (Amortization)

NWN WUTC Advice No. 19-04 / UG-_____

September 12, 2019

NW NATURAL

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Supporting Materials

WA Low-Income Program Costs (AMORTIZATION)

NWN WUTC ADVICE NO. 19-04 / UG-_____

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NW Natural
Rates & Regulatory Affairs
2019-2020 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 11/1/2018 Billing Rates	11/1/2018 Current Average Bill	Proposed 11/1/2019 GREAT & LIEE Rates	Proposed 11/1/2019 GREAT & LIEE Average Bill	Proposed 11/1/2019 GREAT & LIEE % Bill Change
							F=D+(C * E)	J	K= D+(C*J)	L
Schedule	Block	A	B	C	D	E	F	J	K	L
1R		196,916	N/A	19.0	\$3.47	\$1.02918	\$23.02	\$1.02763	\$22.99	-0.1%
1C		41,009	N/A	95.0	\$3.47	\$1.01873	\$100.25	\$1.01729	\$100.11	-0.1%
2R		53,306,699	N/A	57.0	\$7.00	\$0.73546	\$48.92	\$0.73444	\$48.86	-0.1%
3 CFS		18,528,181	N/A	248.0	\$15.00	\$0.73534	\$197.36	\$0.73443	\$197.14	-0.1%
3 IFS		363,801	N/A	1,213.0	\$15.00	\$0.70458	\$869.66	\$0.70378	\$868.69	-0.1%
27		575,777	N/A	54.0	\$6.00	\$0.56222	\$36.36	\$0.56159	\$36.33	-0.1%
41C Firm Sales	Block 1	1,970,232	2,000	3,554.0	\$250.00	\$0.49926		\$0.49860		
	Block 2	2,123,870	all additional			\$0.46018		\$0.45959		
TOTAL							\$1,963.64		\$1,961.40	-0.1%
41C Interr Sales	Block 1	0	2,000	0.0	\$250.00	\$0.51519		\$0.51451		
	Block 2	0	all additional			\$0.47626		\$0.47566		
TOTAL							\$250.00		\$250.00	0.0%
41 Firm Trans	Block 1	303,749	2,000	8,210.0	\$500.00	\$0.30019		\$0.30019		
	Block 2	484,375	all additional			\$0.26449		\$0.26449		
TOTAL							\$2,742.86		\$2,742.86	0.0%
41I Firm Sales	Block 1	360,236	2,000	4,177.0	\$250.00	\$0.47592		\$0.47516		
	Block 2	542,040	all additional			\$0.43960		\$0.43894		
TOTAL							\$2,158.85		\$2,155.89	-0.1%
41I Interr Sales	Block 1	0	2,000	0.0	\$250.00	\$0.49300		\$0.49232		
	Block 2	0	all additional			\$0.45671		\$0.45611		
TOTAL							\$250.00		\$250.00	0.0%
42C Firm Sales	Block 1	561,182	10,000	16,603.0	\$1,300.00	\$0.30434		\$0.30391		
	Block 2	481,861	20,000			\$0.29030		\$0.28993		
	Block 3	131,375	20,000			\$0.26237		\$0.26207		
	Block 4	20,969	100,000			\$0.24398		\$0.24375		
	Block 5	0	600,000			\$0.21945		\$0.21929		
	Block 6	0	all additional			\$0.18881		\$0.18875		
TOTAL							\$6,260.25		\$6,253.51	-0.1%
42I Firm Sales	Block 1	1,060,773	10,000	12,726.0	\$1,300.00	\$0.29140		\$0.29105		
	Block 2	650,234	20,000			\$0.27872		\$0.27841		
	Block 3	112,053	20,000			\$0.25347		\$0.25323		
	Block 4	9,427	100,000			\$0.23686		\$0.23667		
	Block 5	0	600,000			\$0.21473		\$0.21460		
	Block 6	0	all additional			\$0.18704		\$0.18698		
TOTAL							\$4,973.79		\$4,969.45	-0.1%
42 Firm Trans	Block 1	1,336,403	10,000	48,106.0	\$1,550.00	\$0.11795		\$0.11795		
	Block 2	1,682,938	20,000			\$0.10558		\$0.10558		
	Block 3	1,387,648	20,000			\$0.08096		\$0.08096		
	Block 4	2,195,748	100,000			\$0.06477		\$0.06477		
	Block 5	901,810	600,000			\$0.04318		\$0.04318		
	Block 6	0	all additional			\$0.01619		\$0.01619		
TOTAL							\$6,306.96		\$6,306.96	0.0%
42C Interr Sales	Block 1	237,919	10,000	39,882.0	\$1,300.00	\$0.31898		\$0.31850		
	Block 2	464,853	20,000			\$0.30523		\$0.30481		
	Block 3	214,908	20,000			\$0.27787		\$0.27754		
	Block 4	39,494	100,000			\$0.25988		\$0.25962		
	Block 5	0	600,000			\$0.23588		\$0.23571		
	Block 6	0	all additional			\$0.20590		\$0.20584		
TOTAL							\$13,340.31		\$13,323.85	-0.1%
42I Interr Sales	Block 1	159,428	10,000	8,626.0	\$1,300.00	\$0.30887		\$0.30900		
	Block 2	151,104	20,000			\$0.29618		\$0.29630		
	Block 3	0	20,000			\$0.27094		\$0.27104		
	Block 4	0	100,000			\$0.25433		\$0.25439		
	Block 5	0	600,000			\$0.23218		\$0.23223		
	Block 6	0	all additional			\$0.20452		\$0.20453		
TOTAL							\$3,964.31		\$3,965.43	0.0%
42 Inter Trans	Block 1	881,572	10,000	82,573.0	\$1,550.00	\$0.11797		\$0.11797		
	Block 2	1,495,748	20,000			\$0.10560		\$0.10560		
	Block 3	1,185,204	20,000			\$0.08098		\$0.08098		
	Block 4	4,013,728	100,000			\$0.06479		\$0.06479		
	Block 5	2,332,547	600,000			\$0.04319		\$0.04319		
	Block 6	0	all additional			\$0.01619		\$0.01619		
TOTAL							\$8,571.70		\$8,571.70	0.0%
43 Firm Trans		0	N/A	0.0	\$38,000.00	\$0.00498	\$38,000.00	\$0.00498	\$38,000.00	0.0%
43 Interr Trans		0	N/A	0.0	\$38,000.00	\$0.00498	\$38,000.00	\$0.00498	\$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
2019-2020 PGA Filing - Washington: September Filing
Summary of Deferred Accounts

Account A	Balance 8/31/2019 B	Sep-Oct Estimated Activity C	Sep-Oct Interest D	Estimated Balance 10/31/2019 E	Estimated Interest During Amortization F	Total Estimated Amount for (Refund) or Collection G	Amounts Excluded from PGA Filing H	Amounts Included in PGA Filing I
				E = sum B thru D	5.42%	G = E + F Excl. Rev Sens		
DSM & LOW INCOME PROGRAMS								
186234 WA LOW INCOME BILL PAY ASSIST (GREAT)	268,370	0	2,448	270,818				
186235 WA GREAT AMORTIZATION	31,995	(33,907)	165	(1,747)				
	300,365	(33,907)	2,613	269,071	7,965	277,036		277,036
186314 WA WA-LIEE PROGRAM (2018 calendar year only)	100,452	0	916	101,368				
186315 AMORT WA-LIEE PROGRAM	6,846	(7,954)	33	(1,075)				
	107,297	(7,954)	949	100,292	2,969	103,261		103,261

29 Notes

30 Please refer to NWN workpapers or electronic file "NWN 2019-20 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)						2017	2018	2019	Total		2017	2018	2019
2	Month/Year	Note	Accumulation	Transfers	Interest	Interest	Calendar	Calendar	Calendar	Activity	Balance	Calendar	Calendar	Calendar
3	(a)	(b)	(c)	(d)	Rate	(e1)	(e5)	(e6)	(e7)	(f)	(g1)	(g4)	(g5)	(g6)
112	Jan-18		30,930.32		4.25%	348.33	293.56	54.77		31,278.65	114,164.81	83,179.72	30,985.09	
113	Feb-18		8,588.34		4.25%	419.54	294.59	124.95		9,007.88	123,172.69	83,474.31	39,698.38	
114	Mar-18		55.39		4.25%	436.33	295.64	140.69		491.72	123,664.41	83,769.95	39,894.46	
115	Apr-18		42.91		4.47%	460.73	312.04	148.69		503.64	124,168.05	84,081.99	40,086.06	
116	May-18		12.26		4.47%	462.55	313.21	149.34		474.81	124,642.86	84,395.20	40,247.66	
117	Jun-18		0.00		4.47%	464.29	314.37	149.92		464.29	125,107.15	84,709.57	40,397.58	
118	Jul-18		0.00		4.69%	488.96	331.07	157.89		488.96	125,596.11	85,040.64	40,555.47	
119	Aug-18	2	196.33	0.91	4.69%	491.26	332.37	158.89		688.50	126,284.61	85,373.01	40,911.60	
120	Sep-18		16,420.67		4.69%	525.65	333.67	191.98		16,946.32	143,230.93	85,706.68	57,524.25	
121	Oct-18		140.23		4.96%	592.31	354.25	238.06		732.54	143,963.47	86,060.93	57,902.54	
122	Nov-18		84.14	(86,060.93)	4.96%	239.50		239.50		(85,737.29)	58,226.18		58,226.18	
123	Dec-18		38,386.21		4.96%	320.00		320.00		38,706.21	96,932.39		96,932.39	
124	Jan-19		47,639.27		5.18%	521.25		418.42	102.83	48,160.52	145,092.91		97,350.81	47,742.10
125	Feb-19		1,638.00		5.18%	629.85		420.23	209.62	2,267.85	147,360.76		97,771.04	49,589.72
126	Mar-19		0.00		5.18%	636.11		422.04	214.07	636.11	147,996.87		98,193.08	49,803.79
127	Apr-19		57.32		5.45%	672.28		445.96	226.32	729.60	148,726.47		98,639.04	50,087.43
128	May-19		74.52		5.45%	675.64		447.99	227.65	750.16	149,476.63		99,087.03	50,389.60
129	Jun-19		96,005.19		5.45%	896.88		450.02	446.86	96,902.07	246,378.70		99,537.05	146,841.65
130	Jul-19		2,390.07		5.50%	1,134.71		456.21	678.50	3,524.78	249,903.48		99,993.26	149,910.22
131	Aug-19		13,628.97		5.50%	1,176.62		458.30	718.32	14,805.59	264,709.07		100,451.56	164,257.51
132	Sep-19				5.50%	1,213.25		460.40	752.85	1,213.25	265,922.32		100,911.96	165,010.36
133	Oct-19				5.42%	1,201.08		455.79	745.29	1,201.08	267,123.40		101,367.75	165,755.65

134
 135 **History truncated for ease of viewing**

136
 137 **Notes**

138 **1** - Transferred Dec 2017 deferral balance plus 2018 interest on the balance to account 186315 for amortization.

139 **2** - Transfer amount is for true-up to GL.

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	5	6	7	8	9	10
Month/Year	Note	Accumulation	Transfers	Interest Rate	Interest	Activity	Balance	
(a)	(b)	(c)	(d)	(e1)	(e2)	(f)	(g)	
111	Nov-18 new (1)	(2,513.75)	86,060.93	4.96%	350.52	83,897.70	77,306.65	
112	Dec-18	(11,434.06)		4.96%	295.90	(11,138.16)	66,168.49	
113	Jan-19	(13,293.77)		5.18%	256.93	(13,036.84)	53,131.65	
114	Feb-19	(13,134.20)		5.18%	201.00	(12,933.20)	40,198.45	
115	Mar-19	(14,187.19)		5.18%	142.90	(14,044.29)	26,154.16	
116	Apr-19	(6,886.73)		5.45%	103.14	(6,783.59)	19,370.57	
117	May-19	(4,715.91)		5.45%	77.27	(4,638.64)	14,731.93	
118	Jun-19	(3,130.19)		5.45%	59.80	(3,070.39)	11,661.54	
119	Jul-19	(2,697.37)		5.50%	47.27	(2,650.10)	9,011.44	
120	Aug-19	(2,202.05)		5.50%	36.26	(2,165.79)	6,845.65	
121	Sep-19 <i>Forecasted</i>	(2,592.69)		5.50%	25.43	(2,567.26)	4,278.39	
122	Oct-19 <i>Forecasted</i>	(5,360.92)		5.42%	7.22	(5,353.70)	(1,075.31)	

123

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125 **History truncated for ease of viewing**

126

127 **Notes**

128 **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								
7	Beginning Balance							
113	Nov-18	1	17,893.86	(364,779.47)	4.96%	47.25	(346,838.36)	20,425.45
114	Dec-18		42,712.58		4.96%	172.70	42,885.28	63,310.73
115	Jan-19		38,153.76		5.18%	355.64	38,509.40	101,820.13
116	Feb-19		31,254.02		5.18%	506.98	31,761.00	133,581.13
117	Mar-19		24,815.47		5.18%	630.19	25,445.66	159,026.79
118	Apr-19		43,127.33		5.45%	820.18	43,947.51	202,974.30
119	May-19		20,111.86		5.45%	967.51	21,079.37	224,053.67
120	Jun-19		17,183.09		5.45%	1,056.60	18,239.69	242,293.36
121	Jul-19		20,204.11		5.50%	1,156.81	21,360.92	263,654.28
122	Aug-19		3,499.43		5.50%	1,216.43	4,715.86	268,370.14
123	Sep-19				5.50%	1,230.03	1,230.03	269,600.17
124	Oct-19				5.42%	1,217.69	1,217.69	270,817.86

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 126 **History truncated for ease of viewing**

127
 128 **Notes**

129 **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
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4	Month/Year	Note	Amortization	Transfers	Interest Rate	Interest	Activity	Balance
5	(a)	(b)	(c)	(d)	(e1)	(e2)	(f)	(g)
	Nov-18	new (1)	(10,709.73)	364,779.47	4.96%	1,485.62	355,555.36	332,180.34
125	Dec-18		(48,722.23)		4.96%	1,272.32	(47,449.91)	284,730.43
126	Jan-19		(56,647.87)		5.18%	1,106.82	(55,541.05)	229,189.38
127	Feb-19		(55,968.39)		5.18%	868.54	(55,099.85)	174,089.53
128	Mar-19		(60,457.81)		5.18%	621.00	(59,836.81)	114,252.72
129	Apr-19		(29,351.72)		5.45%	452.24	(28,899.48)	85,353.24
130	May-19		(20,104.88)		5.45%	341.99	(19,762.89)	65,590.35
131	Jun-19		(13,348.13)		5.45%	267.58	(13,080.55)	52,509.80
132	Jul-19		(11,504.29)		5.50%	214.31	(11,289.98)	41,219.82
133	Aug-19		(9,392.21)		5.50%	167.40	(9,224.81)	31,995.01
134	Sep-19	<i>Forecasted</i>	(11,056.62)		5.50%	121.31	(10,935.31)	21,059.70
135	Oct-19	<i>Forecasted</i>	(22,850.42)		5.42%	43.52	(22,806.90)	(1,747.20)

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138 **History truncated for ease of viewing**

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140 **Notes**

141 **1** - Transfer in amounts from account 186234 approved for amortization.

NW Natural
Rates & Regulatory Affairs
2019-20 Washington: September Filing Updating Energy Efficiency Schedule
Tariff Advice 19-04: Schedule 230 Effects on Revenue

	<u>Amount</u>
1	
2	
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		<u>Amount</u>
	<u>Temporary Increments</u>	
	<u>Removal of Current Temporary Increments</u>	
	Amortization of WA Low Income Programs	(457,230)
	<u>Addition of Proposed Temporary Increments</u>	
	Amortization of WA Low Income Programs	<u>380,297</u>
	TOTAL OF ALL COMPONENTS OF RATE CHANGES	<u><u>(\$76,933)</u></u>
	2018 Washington CBR Normalized Total Revenues	\$66,182,522
	Effect of this filing, as a percentage change	-0.12%