

Public Utility Commission

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January 11, 2022



BY EMAIL Northwest Natural Gas Company efiling@nwnatural.com

RE: Advice No. 21-19

At the public meeting on January 11, 2022, the Commission adopted Staff's recommendation in this matter docketed as ADV 1357. The Staff Report and a receipted copy of the sheets in your advice filing are attached.

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Nolan Moser Chief Administrative Law Judge Public Utility Commission of Oregon (503) 378-3098

ITEM NO. CA1

PUBLIC UTILITY COMMISSION OF OREGON STAFF REPORT PUBLIC MEETING DATE: January 11, 2022

 REGULAR
 CONSENT
 X
 EFFECTIVE DATE
 January 12, 2022

- DATE: December 30, 2021
- **TO:** Public Utility Commission
- **FROM:** Brian Fjeldheim
- THROUGH: Bryan Conway and John Crider SIGNED
- **SUBJECT:** <u>NORTHWEST NATURAL</u>: (Docket No. ADV 1357/Advice No. 21-19) Language Revision for Schedule 32 – Large Volume Non-Residential Sales and Transportation Service.

STAFF RECOMMENDATION:

Approve Northwest Natural's (NW Natural or Company) Advice No. 21-19, which makes a housekeeping change to Schedule 32 to reflect the correct per-therm interruptible pipeline capacity charge for interruptible commercial customers served under Rate Schedule 32, effective for service on and after January 12, 2022.

DISCUSSION:

ssue

Whether the Oregon Public Utility Commission (OPUC or Commission) should approve NW Natural's proposal to revise its Schedule 32 to reflect the correct interruptible pipeline capacity charge for interruptible commercial customers served under Rate Schedule 32.

Applicable Law

ORS 757.205 requires public utilities to file schedules showing all rates, tolls, and charges for service that have been established and are in force at the time.

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ORS 757.210 (1)(a) states a utility must show that a proposed rate or schedule of rates is fair, just, and reasonable. The Commission may authorize a rate or schedule of rates only if is deemed to be fair, just, and reasonable.

ORS 757.220 and OAR 860-022-0015 state that energy utilities must provide the Commission with at least 30 days' notice prior to the effective date for any change in rates, tolls, charges, rules, or regulations.

OAR 860-022-0005 defines the required formatting all large energy utilities must use when making tariff submissions to the Commission.

OAR 860-022-0025 illustrates energy utility requirements for filing tariffs or changes to rate schedules.

<u>Analysis</u>

Background

On September 15, 2021, the Company filed Advice No. 21-14 to reflect temporary tariff changes resulting from the 2021 Purchased Gas Adjustment (PGA) filing and several additional deferral amortizations slated to go into effect November 1, 2021. The Company's original filing contained an incorrect volumetric interruptible pipeline capacity charge amount of \$0.10569/therm for commercial customers served under the Company's Rate Schedule 32.¹ This error only affects commercial customers; the pipeline capacity charge for interruptible industrial customers served under Rate Schedule 32 is correct at \$0.01258/therm. The Company's supporting workpapers indicate the correct pipeline capacity charge of \$0.01258/therm was applied to both commercial and industrial customers served under Rate Schedule 32.²

In a subsequent filing dated September 17, 2021, the Company submitted Advice No. 21-14A with corrected tariff sheets for Rate Schedule 100.³ While Advice No. 21-14A did not directly address the Schedule 32 error, NW Natural provided a supporting workpaper illustrating the correct volumetric interruptible pipeline capacity charge of \$0.01258/therm was used for both commercial and industrial customers served under Rate Schedule 32.⁴

¹ NW Natural Advice No. 21-14, page 32-13. See Attachment A, page 1.

² NW Natural Advice No. 21-14, Exhibit A, page 3 of 6. See Attachment A, page 2.

³ Rate Schedule 100 is a summary of temporary rate changes resulting from the annual PGA and certain deferral amortizations.

⁴ NW Natural Advice No. 21-14A, Exhibit A, page 3 of 5. See Attachment A, page 3.

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Effects of Filing

Per NW Natural, the erroneous volumetric interruptible pipeline capacity charge of \$0.10569 was not incorporated into the Company's billing system and is limited solely to the published tariff Sheet 32-13 for Rate Schedule 32. NW Natural asserts customer bills will be unaffected by this filing, that this filing is solely a housekeeping effort to correct the published Schedule 32 volumetric interruptible pipeline capacity charge for commercial customers from \$0.10569/therm to the correct amount of \$0.01258/therm on Sheet 32-13.

Staff reviewed the Company's original and subsequent workpapers used to calculate the proposed correction to Schedule 32, and Staff finds the calculations to be accurate and consistent.

Conclusion

Based on Staff's analysis of NW Natural's application, as well as the workpapers provided in the Company's Advice No. 21-14 and subsequent Advice No. 21-14A submissions, Staff finds the proposed revision to Schedule 32 result in rates that are fair, just, and reasonable. Staff recommends the Commission approve NW Natural's filing.

PROPOSED COMMISSION MOTION:

Approve NW Natural's Advice No. 21-19, which corrects Schedule 32 to reflect the correct per-therm interruptible pipeline capacity charge for interruptible commercial customers served under Rate Schedule 32, effective for service on and after January 12, 2022.

NWN ADV 1357/Advice No. 21-19

RATE SCHEDULE 32 LARGE VOLUME NON-RESIDENTIAL SALES AND TRANSPORTATION SERVICE (continued)

Effective: November 1, 2021

MONTHLY RATES (continued): Effective: November 1, 2 The rates shown in this Rate Schedule may not always reflect actual billing rates. See SCHEDULE 100 for a list of applicable temporary adjustments. Rates are subject to changes for purchased gas costs and technical rate adjustments. The rates for Coos County customers are subject to the additional adjustment set forth in SCHEDULE 160

INTERRUPTIBLE SALES SER	Billing Rates											
Customer Charge (per month):	\$675.00											
	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]								
32 CSI Volumetric Charges (per therm):												
Block 1: 1 st 10,000 therms	\$0.11743	\$0.00000	\$0.31601	\$0.06614	\$0.49958							
Block 2: Next 20,000 therms	\$0.09914	\$0.00000	\$0.31601	\$0.06612	\$0.48127							
Block 3: Next 20,000 therms	\$0.06862	\$0.00000	\$0.31601	\$0.06609	\$0.45072							
Block 4: Next 100,000 therms	\$0.03810	\$0.00000	\$0.31601	\$0.06606	\$0.42017							
Block 5: Next 600,000 therms	\$0.01978	\$0.00000	\$0.31601	\$0.06604	\$0.40183							
Block 6: All additional therms	\$0.00638	\$0.00000	\$0.31601	\$0.06579	\$0.38818							
Interruptible Pipeline Capacity	Interruptible Pipeline Capacity Charge (per therm):											
32 ISI Volumetric Charges ((per therm):											
Block 1: 1 st 10,000 therms	\$0.11691	\$0.00000	\$0.31601	\$0.06642	\$0.49934							
Block 2: Next 20,000 therms	\$0.09869	\$0.00000	\$0.31601	\$0.06639	\$0.48109							
Block 3: Next 20,000 therms	\$0.06831	\$0.00000	\$0.31601	\$0.06636	\$0.45068							
Block 4: Next 100,000 therms	\$0.03792	\$0.00000	\$0.31601	\$0.06634	\$0.42027							
Block 5: Next 600,000 therms	\$0.01968	\$0.00000	\$0.31601	\$0.06631	\$0.40200							
Block 6: All additional therms	\$0.00634	\$0.00000	\$0.31601	\$0.06604	\$0.38839							
Interruptible Pipeline Capacity	Charge (per th	erm):			\$0.01258							

The Monthly Bill shall equal the sum of the Customer Charge, plus the Volumetric Charges, plus the Pipeline Capacity Charge selected by the Customer, plus any other charges that may apply from Schedule C or Schedule 15. [1]

[3] may not apply.

Where applicable, as set forth in this rate schedule, the Account 191 portion of the Sales Service Temporary Adjustments as set forth in [4] Schedule 162 may also apply.

(continue to Sheet 32-14)

The stated rate is the Company's Annual Sales WACOG. However, the Commodity Component to be billed will be dependent on Customer's Service Type Selection and may instead be Winter Sales WACOG or Monthly Incremental Cost of Gas. Where applicable, as set forth in this rate schedule, the Account 191 portion of the Temporary Adjustments as set forth in Schedule 162 [2]

NW Natural	
Rates & Regulatory	Affairs
2021-22 PGA - Oreg	on: September Filing
Calculation of Prop	osed Rates - DETAIL

			11/1/2020 Billing	REMOVE	REMOVE Current FIRM	REMOVE Current INTERR		ADD Proposed	ADD Proposed FIRM	ADD Proposed INTERR	Net change	Net change		Current Permanent	Proposed Permanent	Current Temporary	Proposed Temporary		Net change Temporary	11/01/21 Proposed Illustrative	11/01/21 Proposed Tariff
			Rates	WACOG 50,25644	Demand \$0,10027	Demand \$0.01193	Subtotal [1] E=A-B-C-D	WACOG \$0,31601	Demand \$0.10569	Demand 50.01258	WACOG	Demand [1]	Subtotal [1]	Items	Items	Items	Items	Subtotal [1] N = I-J+K-L+M	Increments	Rates [1] O=I+J+K+L+M e	Rates [1]
Sch	nedule	Block	A	B	C	D	E	F	G	H			i i i	j.	ĸ	- i	M	N		0	P
	2R		\$0.90732	\$0.25644	\$0.10027	\$0,00000	\$0.55061	\$0.31601	\$0,10569	\$0.00000	\$0,05957	\$0.00542	\$0,97231	\$0.00000	\$0,00000	(\$0.02738)	\$0,04668	\$1.04637	\$0,07405	\$1.04637	\$1.0
3C Fir	rm Sales		\$0.80219	\$0.25644	\$0.10027	\$0.00000	\$0.44548	\$0.31601	\$0.10569	\$0.00000	\$0.05957	\$0.00542	\$0.86718	\$0.00000	\$0.00000	(\$0.02246)	\$0.05215	\$0.95180	\$0.08462	\$0.95180	\$0.3
31 Fin	rm Sales	_	\$0.76992	\$0,25644	\$0.10027	\$0.00000	50.41321	\$0.31601	\$0,10569	\$0.00000	50,05957	\$0.00542	\$0,83491	\$0.00000	\$0,00000	\$0.02078	\$0,07021	\$0.88434	\$0.04943	50.88434	\$0,8
	Dry Out		\$0,75070	\$0.25644	50.10027	\$0.00000	\$0.39399	\$0.31601	\$0.10569	\$0.00000	\$0.05957	\$0.00542	\$0.81569	\$0.00000	\$0.00000	(\$0.00447)	\$0.05061	\$0.87077	\$0.05508	50.87077	\$0.4
31C Fi	irm Sales	Block 1	\$0.50653	\$0.25644			\$0.25009	\$0.31601	\$0.10569	\$0.00000	\$0.05957	\$0.10569	\$0,67179	\$0.00000	\$0,00000	(\$0.00980)	\$0,05240	50.73399	\$0.06220	\$0.73399	\$0.
		Block 2	\$0.48418	\$0.25644			\$0.22774	\$0.31601	\$0,10569	\$0.00000	\$0,05957	And and a second second	\$0,64944	\$0.00000	\$0.00000	(\$0,00939)	\$0,05240	\$0.71123	\$0.06179	\$0.71123	\$0,
31C Fi	irm Trans	Block 1	\$0.22515	\$0.00000			\$0.22515	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.22515	\$0.00000	\$0.00000	(\$0.00433)	\$0.00060	\$0.23008	\$0.00493	\$0.23008	\$0
		Block 2	\$0.20587	\$0.00000	_		\$0.20587	\$0.00000	\$0.00000	\$0.00000	\$0.00000	L	\$0.20587	\$0.00000	\$0.00000	(\$0.00393)	\$0.00057	\$0.21037	\$0.00450	\$0.21037	\$0.
31) Fit	irm Sales	Block 1	50,47924	\$0.25644			\$0.22280	\$0.31601	\$0,10569	\$0.00000	\$0.05957		\$0,64450	\$0.00000	\$0,00000	\$0,02238	\$0,07022	\$0.69234	\$0.04784	50.69234	\$0
391 60	rm Trans	Block 2 Block 1	\$0.45984 \$0.19824	\$0.25644			\$0,20340	\$0,31601	\$0,10569	\$0.00000	\$0,05957 \$0,00000		\$0.62510 \$0.19824	\$0,00000	\$0,00000	\$0.02272 (\$0.00315)	\$0,07023	\$0.67261	\$0.04751	\$0.67261	\$0
310 10	in nais	Block 2	\$0.17920	\$0.00000			\$0.19824	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.17920	\$0.00000	\$0.00000	(\$0.00282)	\$0.00058	\$0.18270	\$0.00350	50.18270	50
377 6	irm Sales	Block 1	\$0.40807	\$0.25644			50.15163	50.31601	\$0,10569	\$0.00000	\$0,05957		\$0.57333	\$0.00000	\$0,00000	\$0.02238	\$0,06999	\$0.18270	\$0.00350	50.62094	50
320 11	inn ages	Block Z	\$0.38844	\$0.25644			\$0.13200	\$0.31601	\$0,10569	\$0.00000	\$0.05957		\$0.55370	\$0.00000	\$0,00000	\$0.02289	\$0.07000	\$0.60081	\$0.04781	50.60081	50
		Block 3	\$0.35581	\$0.25644			\$0.09937	\$0.31601	\$0,10569	\$0.00000	\$0.05957		\$0,52107	\$0.00000	\$0,00000	\$0.02372	\$0,07002	\$0.56737	\$0.04630	\$0.56737	\$0
		Block 4	\$0.32309	\$0.25644			\$0.06565	\$0.31601	\$0.10569	\$0.00000	\$0.05957		\$0.48835	\$0.00000	\$0.00000	\$0.02457	\$0.07003	\$0.53381	\$0.04546	\$0.53381	50
		Block 5	50.29959	\$0.25644			50.04315	\$0.31601	\$0,10569	50.00000	\$0,05957		\$0,46485	\$0.00000	\$0,00000	\$0,02519	\$0,06963	50.50929	50.04444	50,50929	50
		Block 6	\$0.28810	\$0.25644			50.03165	\$0.31601	\$0,10569	\$0.00000	\$0.05957		\$0,45336	\$0.00000	\$0,00000	\$0,02514	\$0,05954	50.49786	\$0,04450	50.49785	SC
32) Fir	irm Sales	Block 1	\$0.39859	\$0.25644			\$0.14215	\$0.31601	\$0,10569	\$0.00000	\$0.05957		\$0,56385	\$0.00000	\$0,00000	\$0.02328	\$0.07018	\$0.61075	\$0.04690	\$0.61075	\$
		Block 2	\$0.38045	\$0.25644			\$0.12401	\$0.31601	\$0.10569	\$0.00000	\$0.05957		\$0.54571	\$0.00000	\$0.00000	\$0.02366	\$0.07018	\$0.59223	\$0.04652	\$0.59223	54
		Block 3	\$0.35013	\$0,25644			\$0.09369	\$0.31601	\$0.10569	\$0.00000	\$0.05957		\$0,51539	\$0.00000	\$0.00000	\$0.02427	\$0.07019	\$0.56131	\$0,04592	\$0.56131	\$0
		Block 4	50.31990	\$0,25644			\$0.06346	\$0.31601	\$0,10569	\$0.00000	\$0,05957		\$0,48516	\$0.00000	\$0,00000	\$0,02488	\$0,07021	\$0.\$3049	\$0.04533	\$0.53049	5
		Block 5	\$0.29882	\$0.25644			\$0.04238	\$0.31601	\$0,10569	\$0.00000	\$0,05957		\$0,46408	\$0.00000	\$0,00000	\$0,02532	\$0,06988	\$0.50864	\$0.04456	\$0.50864	\$
	1000	Block 6	\$0.28793	\$0.25644			\$0.03149	\$0.31601	\$0.10569	\$0.00000	\$0.05957		\$0.45319	\$0.00000	\$0.00000	\$0.02526	\$0.06989	\$0.49782	\$0.04463	\$0.49782	50
32C FI	irm Trans	Block 1	\$0.11831	\$0,00000			\$0.11831	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.11831	\$0.00000	\$0.00000	(\$0.00228)	\$0,00027	\$0.12086	\$0.00255	\$0.12086	ş
		Block 2	50.10056	\$0,00000			\$0.10056	50.00000	\$0,00000	\$0.00000	\$0.00000		\$0,10056	50.00000	\$0,00000	(\$0.00191)	\$0,00024	50.10271	\$0.00215	50.10271	s
		Block 3	\$0.07103	\$0.00000			\$0.07103	\$0.00000	\$0.00000	\$0.00000	\$0,00000		\$0.07103	\$0.00000	\$0,00000	(\$0.00133)	\$0,00021	\$0.07257	\$0.00154	\$0.07257	S
		Block 4	\$0.04149	\$0.00000			\$0.04149	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.04149	\$0.00000	\$0.00000	(\$0.00073)	\$0.00016	\$0.04238	\$0.00089	\$0.04238	S
		Block 5	\$0.02362	\$0.00000			\$0.02362	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.02362	\$0.00000	\$0.00000	(\$0.00047)	\$0.00015	\$0.02424	\$0.00062	50.02424	SI
19.001.001		Block 6	50.01187	\$0.00000			\$0.01187	\$0,00000	\$0,00000	50.00000	\$0.00000		50,01187	\$0.00000	\$0,00000	(\$0,00023)	\$0,00001	\$0.01211	50.00024	50.01211	5
321 10	rm Trans	Block 1	\$0.11711	\$0,00000			\$0.11711	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.11711	\$0.00000	\$0,00000	(\$0,00192)	\$0,00044	\$0.11947	\$0,00236	\$0.11947	\$
		Block 2 Block 3	\$0.09955 \$0.07032	\$0.00000			\$0.09955 \$0.07032	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.09955 \$0.07032	\$0.00000	\$0.00000	(\$0.00161) (\$0.00110)	\$0.00042 \$0.00038	\$0.10158 \$0.07180	\$0.00203 \$0.00148	\$0.10158 50.07180	\$0 \$0
		Block 4	50.04108	\$0.00000			\$0.04108	50.00000	\$0.00000	\$0.00000	\$0.00000		\$0,04108	\$0.00000	\$0,00000	(\$0.00110)	\$0,00036	50.07180	\$0.00148	50.04204	5
		Block 5	\$0.02350	\$0.00000			\$0.02350	\$0.00000	\$0,00000	\$0.00000	\$0,00000		\$0,02350	\$0,00000	\$0,00000	(\$0,00029)	\$0,00034	50.02413	\$0,00063	50.02413	ş
		Block 6	\$0.01186	\$0.00000			\$0.01186	\$0.00000	\$0,00000	\$0.00000	\$0.00000		\$0.01185	\$0.00000	\$0.00000	(\$0,00008)	\$0.00032	\$0.01226	\$0.00040	\$0.01226	S
320 Int	tert Sales	Block 1	\$0.39799	\$0.25644			\$0.14155	\$0.31601	\$0.00000	\$0.01258	\$0.05957	-	\$0.47014	\$0.00000	\$0.00000	\$0.02412	\$0.05614	\$0.51216	\$0.04202	\$0.51216	5
-		Block 2	\$0.37999	\$0.25644			50.12355	\$0.31601	\$0,00000	50,01258	\$0,05957		50,45214	\$0.00000	\$0,00000	50.02441	\$0,06612	50.49385	\$0.04171	50.49385	S
		Block 3	\$0.34992	\$0.25644			\$0.09348	\$0,31601	\$0,00000	50.01258	\$0.05957		\$0,42207	\$0,00000	\$0,00000	\$0.02486	\$0,05609	\$0.46330	\$0.04123	\$0,45330	5
		Block 4	\$0.31990	\$0.25644			\$0.06346	\$0.31601	\$0,00000	50 01258	\$0.05957		\$0,39205	\$0.00000	\$0,00000	\$0.02536	\$0,05605	\$0.43275	\$0.04070	\$0.43275	50
		Block 5	\$0.30187	\$0.25644			\$0.04543	\$0.31601	\$0.00000	50.01258	\$0.05957		\$0.37402	\$0.00000	\$0.00000	\$0.02565	\$0.06604	\$0.41441	\$0.04039	\$0.41441	5
		Block 6	\$0.28850	50,25644			50.03206	50.31601	\$0,00000	\$0.0125B	\$0,05957		\$0,36065	\$0.00000	\$0,00000	\$0.02568	\$0.06579	50.40076	\$0.04011	50.40076	5
321 Int	terr Sales	Block 1	\$0.39761	\$0,25644			50.14117	\$0.31601	\$0,00000	\$0.01258	\$0,05957		\$0,46976	\$0,00000	\$0,00000	\$0,02426	\$0,06642	\$0,51192	\$0,04216	50.51192	\$
		Block 2	\$0.37954	\$0.25644			\$0,12320	\$0.31601	\$0,00000	\$0.01258	\$0.05957		\$0.45179	\$0.00000	\$0,00000	\$0.02451	\$0,05639	\$0.49367	\$0.04188	\$0,49367	\$
		Block 3	\$0.34974	\$0.25644			\$0.09330	\$0.31601	\$0.00000	\$0.01258	\$0.05957		\$0.42189	\$0.00000	\$0.00000	\$0.02499	\$0.05636	\$0.46326	\$0.04137	\$0.46326	\$
		Block 4	50.31983	\$0.25644			\$0.06339	\$0.31601	\$0,00000	\$0.01258	\$0.05957		\$0,39198	\$0,00000	\$0.00000	\$0.02547	\$0,06634	\$0.43285	\$0.04087	50,43285	5
		Block 5	\$0.30186	\$0,25644			\$0.04542	50.31601	\$0,00000	\$0.01258	\$0,05957		\$0,37401	\$0,00000	\$0,00000	\$0.02574	\$0,06631	50.41458	\$0.04057	\$0.41458	5
-		Block 6	\$0.28854	\$0.25644			\$0.03210	\$0.31601	\$0,00000	\$0.01258	\$0,05957		\$0,36069	\$0.00000	\$0,00000	\$0.02576	\$0,05604	\$0.40097	\$0,04028	\$0.40097	5
32C Int	terr Trans	Block 1	\$0,11350	\$0.00000			\$0.11360	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.11360	\$0.00000	\$0.00000	(\$0.00152)	\$0.00018	\$0.11540	\$0.00180	\$0.11540	\$
		Block 2	\$0.09657	50,00000			50.09657	50.00000	\$0,00000	\$0.00000	50.00000		\$0,09657	\$0.00000	\$0,00000	(\$0.00137)	\$0,00016	\$0.09810	\$0,00153	\$0.09810	5
		Block 3	\$0.06B18	\$0.00000			\$0.06819	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.06818	\$0.00000	\$0.00000	(\$0.00097)	\$0.00013	\$0.06928	\$0.00110	\$0.06928	5
		Block 4	50.03977	\$0,00000			\$0.03977	50.00000	\$0,00000	\$0.00000	\$0,00000		50,03977	50.00000	\$0,00000	(\$0.00056)	\$0,00010	\$0.04043	\$0.00066	\$0.04043	5
		Block S Block 6	\$0.02276	\$0.00000			\$0.02276 \$0.01140	\$0.00000	\$0.00000	\$0.00000	\$0.00000 \$0.00000		\$0.02276	\$0.00000	\$0,00000	(\$0.00030) (\$0.00016)	\$0,00008	\$0.02314 \$0.01158	\$0,00038 \$0,00018	\$0.02314	\$
32) (01	terr Trans	Block 1	\$0.01140	\$0.00000			\$0.11369	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.11369	\$0.00000	\$0.00000	(\$0.00016)	\$0.00039	\$0.01158	\$0.00018	50.01158	\$
and mill	and ridits	Block 2	\$0.09665	\$0.00000			\$0.09665	\$0.00000	\$0.00000	\$0.00000	\$6.00000		50.09665	\$0.00000	\$0,00000	(\$0.00133)	\$0.00035	50.09830	\$0,00192	50.09830	5
		Block 3	50.06826	\$0.00000			\$0.06826	\$0.00000	\$0,00000	\$0.00000	\$0.00000		\$0.05826	\$0.00000	\$0,00000	(\$0.00089)	\$0,00033	\$0.06948	\$0.00122	\$0.05948	s
		Block 4	50.03986	\$0.00000			\$0.03986	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.03986	\$0.00000	\$0.00000	(\$0.00047)	\$0.00032	\$0.04065	\$0.00079	\$0.04065	ŝ
		Block 5	\$0.02283	\$0.00000			\$0.02283	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.02283	\$0.00000	\$0.00000	(\$0.00023)	\$0.00029	\$0.02335	\$0.00052	50.02335	s
		Block 6	\$0.01150	\$0.00000			\$0.01150	\$0.00000	\$0.00000	50.00000	\$0.00000		\$0,01150	\$0.00000	\$0,00000	(\$0,00006)	\$0.00028	50.01184	\$0.00034	50.01184	s
	33		\$0.00574	\$0.00000			\$0.00574	\$0.00000	\$0,00000	\$0.00000	\$0.00000		\$0,00574	\$0,00000	\$0,00000	\$0,00000	\$0,00011	\$0.00585	\$0,00011	\$0,00585	5
		of presenta			mand charge	is used, rathe						oposed illustrat									
ources:											1 - A.S.		1.						_		
lirect Ing	puts	1	Nov 2021 rates	21-22 PGA	21-22 PGA	21-22 PGA	11							21-22 PGA		21-22 PGA					

NW Natural Rates & Regulatory Affairs 2021-22 PGA - Oregon: Septe

LI-LL POM - Uregon.	september rinng	
Iculation of Propose	d Rates - DETAIL	

			11/1/2020 Billing Rates	REMOVE Current WACOG	REMOVE Current FIRM Demand	REMOVE Current INTERR Demand	Subtotal [1]	ADD Proposed WACOG	ADD Proposed FIRM Demand	ADD Proposed INTERR Demand	Net change WACOG	Net change Demand [1]	Subtotal [1]	Current Permanent Items	Proposed Permanent Items	Current Temporary Items	Proposed Temporary Items	Subtotal [1]	Net change Temporary Increments	11/01/21 Proposed Illustrative Rates [1]	11/01/21 Proposed Tariff Rates [1]
		1.57	reates	\$0,25644	\$0,10027	\$0.01193	E=A-B-C-D	\$0,31601	\$0.10569	50.01258	WACUG	Demand [1]	I=E+F+G+H	rtems	Items	items	-	N = I-J+K-L+M	Increments	O=I+J+K+L+M	excl RS 31& 32 de
Schedule	<u>x</u> 1	Block	A	B	c	D	E	F	G	H		141 11000	1	J	ĸ	1	M	N		0	P
2R 3C Firm Sa	line		\$0.90732 \$0.80219	\$0.25644 \$0.25644	\$0.10027	\$0,00000	\$0.55061 \$0.44548	\$0.31601 \$0.31601	\$0,10569	\$0.00000	\$0,05957 \$0.05957	\$0.00542	\$0.97231 \$0.86718	\$0.00000 \$0.00000	\$0,00000	(\$0.02738) (\$0.02246)	\$0,04668	\$1.04637 \$0.95180	\$0,07405	\$1.04637 \$0.95180	\$1.
31 Firm Sa			50.80219	50.25644	50.10027	\$0.00000	50.44348	50.31601	\$0.10569	\$0.00000	50.05957	50.00542	\$0.86718	\$0.00000	\$0.00000	\$0.02246)	\$0.06216	50.88434	\$0.08462	50.88434	\$0.
27 Dry O			50,75070	\$0.25644	50.10027	\$0.00000	\$0.39399	\$0.31601	\$0.10569	\$0.00000	\$0.05957	\$0.00542	\$0.81569	\$0.00000	\$0.00000	(\$0.00447)	\$0.05061	\$0.87077	\$0.05508	50.87077	50
31C Firm 5		lock 1	\$0.50653	\$0.25644			\$0.25009	\$0.31601	\$0.10569	\$0.00000	\$0.05957	\$0.10569	\$0.67179	\$0.00000	\$0,00000	(\$0.00980)	\$0,05240	50.73399	\$0.06220	\$0.73399	50
		lock 2	\$0.48418	\$0.25644			\$0.22774	\$0.31601	\$0,10569	\$0.00000	\$0,05957		\$0,64944	\$0.00000	\$0,00000	(\$0.00939)	\$0,05240	\$0.71123	\$0,06179	\$0.71123	\$0
31C Firm Ta	ans B	lock 1	\$0.22515	\$0.00000			\$0.22515	\$0.00000	\$0.00000	\$0.00000	\$0.00000	-	\$0.22515	\$0.00000	\$0.00000	(\$0.00433)	\$0.00060	\$0.23008	\$0.00493	\$0.23008	\$0
		ilock 2	\$0.20587	\$0.00000	_		\$0.20587	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.20587	\$0.00000	\$0.00000	(\$0.00393)	\$0.00057	\$0.21037	\$0.00450	\$0.21037	\$6
31) Firm Sa		lock 1	\$0,47924	\$0.25644			50.22280	\$0.31601	\$0,10569	\$0.00000	\$0.05957		\$0,64450	\$0.00000	\$0.00000	\$0,02238	\$0,07022	\$0.69234	\$0.04784	\$0.69234	50
		lock 2	\$0.45984	\$0.25644			\$0,20340	\$0,31601	\$0,10569	\$0.00000	\$0,05957	-	\$0,62510	\$0,00000	\$0,00000	\$0.02272	\$0,07023	\$0.67261	\$0.04751	\$0.67261	\$0
31) Firm Tr		lock 1	\$0.19824	\$0.00000			\$0.19824	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0,19824	\$0.00000	\$0,00000	(\$0.00315)	\$0,00069	\$0.20208	\$0.00384	\$0.20208	\$
336 Gam 6		lock 2	\$0.17920	\$0.00000			\$0.17920	\$0.00000	\$0.00000	\$0.00000	\$0.00000	-	\$0.17920	\$0.00000	\$0.00000	(\$0.00282)	\$0.00058	\$0.18270	\$0.00350	\$0.18270	5
32C Firm S		lock 1 lock 2	\$0.40807 \$0.38844	\$0.25644 \$0.25644			\$0.15163 \$0.13200	\$0.31601 \$0.31601	\$0,10569 \$0,10569	\$0.00000	\$0.05957 \$0.05957		\$0.57333 \$0.55370	\$0,00000	\$0,00000	\$0.02238 \$0.02289	\$0,06999	\$0.62094 \$0.60081	\$0.04761 \$0.04711	50.62094 50.60081	s
		lock 3	50.35581	\$0.25644			\$0.09937	\$0.31601	\$0,10569	\$0.00000	\$0.05957		\$0,53570	\$0.00000	\$0,00000	\$0.02289	\$0,07000	\$0.56737	\$0.04/11	\$0.56737	5
		lock 4	\$0.32309	\$0.25644			\$0.06565	\$0.31601	\$0.10569	\$0.00000	\$0.05957		\$0.48835	\$0.00000	\$0.00000	\$0.02457	\$0.07003	\$0.53381	\$0.04546	\$0.53381	s
		lock 5	\$0,29959	\$0.25644			50.04315	\$0.31601	\$0,10569	50.00000	\$0.05957		\$0.46485	\$0.00000	\$0,00000	\$0,02519	\$0,06963	50.50929	50.04444	50.50929	s
		lock 6	\$0.28810	\$0,25644			50.03165	50.31601	\$0,10569	\$0.00000	\$0.05957		\$0,45336	\$0.00000	\$0,00000	\$0,02514	\$0,06964	50.49786	\$0.04450	50.49785	s
32) Firm Sa		lock 1	\$0.39859	\$0.25644			\$0.14215	\$0.31601	\$0,10569	\$0.00000	\$0.05957		\$0,56385	\$0.00000	\$0,00000	\$0.02328	\$0.07018	\$0.61075	\$0.04690	\$0.61075	\$
		lock 2	\$0.38045	\$0.25644			50.12401	\$0.31601	\$0.10569	\$0.00000	\$0.05957		\$0.54571	\$0.00000	\$0.00000	\$0.02366	\$0.07018	\$0.59223	\$0.04652	\$0.59223	5
	B	lock 3	\$0.35013	\$0,25644			\$0.09369	\$0.31601	\$0.10569	\$0.00000	\$0.05957		\$0,51539	\$0.00000	\$0.00000	\$0.02427	\$0,07019	\$0.56131	\$0,04592	\$0.56131	5
	B	lock 4	\$0.31990	\$0,25644			\$0.06346	\$0.31601	\$0,10569	\$0.00000	\$0,05957		\$0,48516	\$0.00000	\$0,00000	\$0.02488	\$0,07021	\$0.\$3049	\$0.04533	\$0.53049	-5
		lock 5	\$0.29882	\$0.25644			\$0.04238	\$0.31601	\$0,10569	\$0.00000	\$0,05957		\$0,46408	\$0.00000	\$0,00000	\$0,02532	\$0,06988	\$0.50864	\$0.04456	\$0.50864	\$
		lock 6	\$0.28793	\$0.25644			\$0.03149	\$0.31601	\$0.10569	\$0.00000	\$0.05957		\$0.45319	\$0.00000	\$0.00000	\$0.02526	\$0.05989	\$0.49782	\$0.04463	\$0.49782	5
32C Firm Ti		lock 1	\$0,11831	\$0,00000			\$0.11831	\$0.00000	\$0.00000	\$0.00000	\$0,00000		\$0.11831	\$0.00000	\$0.00000	(\$0.00228)	\$0,00027	\$0.12086	\$0.00255	\$0.12086	5
		lock 2	50.10056	\$0,00000			\$0,10056	50.00000	\$0,00000	\$0.00000	\$0,00000		\$0,10056	50.00000	\$0,00000	(\$0.00191)	50,00024	\$0.10271	\$0,00215	50.10271	5
		lock 3	\$0.07103 \$0.04149	\$0.00000 \$0.00000			\$0.07103	\$0.00000 \$0.00000	\$0.00000	\$0.00000	\$0.00000 \$0.00000		\$0.07103 \$0.04149	\$0.00000	\$0,00000 \$0,00000	(\$0.00133) (\$0.00073)	\$0,00021	\$0.07257 \$0.04238	\$0,00154 \$0,00089	\$0.07257 \$0.04238	6
		lock 5	\$0.04149	\$0.00000			\$0.04149 \$0.02362	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.04149	\$0.00000	\$0.00000	(\$0.000/3) (\$0.00047)	\$0.00016 \$0.00015	50.04238	\$0.00089	50.02424	\$
		lock 5	50.01187	\$0.00000			\$0.02302	\$0.00000	\$0.00000	\$0.00000	\$0.00000		50.01187	\$0.00000	\$0.00000	(\$0,00023)	\$0.00001	50.01211	50.00024	50.01211	ŝ
32i Firm Tr		lock 1	\$0.11711	\$0.00000			\$0.11711	\$0.00000	\$0.00000	\$0.00000	\$0.00000	_	\$0.11711	\$0.00000	\$0.00000	(\$0.00192)	\$0,00044	50.11947	\$0.00236	\$0.11947	Ś
		lock Z	\$0.09955	\$0.00000			\$0.09955	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.09955	\$0.00000	\$0.00000	(\$0.00161)	\$0.00042	\$0.10158	50.00203	\$0.10158	5
		liock 3	50.07032	\$0.00000			50.07032	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.07032	\$0.00000	\$0.00000	(\$0.00110)	\$0.00038	\$0.07180	50.00148	50.07180	ŝ
	8	lock 4	\$0.04108	\$0,00000			\$0.04108	\$0.00000	\$0,00000	\$0.00000	\$0.00000		\$0,04108	\$0.00000	\$0,00000	(\$0,00060)	\$0,00036	50.04204	\$0.00096	50.04204	5
	в	lock 5	\$0,02350	\$0,00000			\$0.02350	\$0.00000	\$0,00000	\$0,00000	\$0,00000		\$0,02350	\$0,00000	\$0,00000	(\$0,00029)	\$0,00034	50,02413	\$0,00063	\$0,02413	\$
	8	lock 6	\$0.01186	\$0.00000			\$0.01186	\$0.00000	\$0,00000	\$0.00000	\$0.00000	č	\$0,01185	\$0.00000	\$0.00000	(\$0.00008)	\$0,00032	\$0.01226	\$0.00040	\$0.01226	\$
32C Interr S		ilock 1	\$0.39799	\$0.25644			\$0.14155	\$0.31601	\$0.00000	\$0.01258	\$0.05957		\$0.47014	\$0.00000	\$0.00000	\$0.02412	\$0.06614	\$0.51216	\$0.04202	\$0.51216	\$
		llock 2	\$0.37999	\$0.25644			50.12355	\$0.31601	\$0,00000	\$0,01258	\$0.05957		50.45214	\$0.00000	\$0.00000	\$0.02441	\$0,06612	\$0.49385	\$0.04171	50.49385	5
		lock 3	\$0.34992	\$0.25644			\$0.09348	\$0,31601	\$0,00000	\$0.01258	\$0.05957		\$0,42207	\$0,00000	\$0,00000	\$0,02486	\$0,06609	\$0.46330	\$0.04123	\$0,45330	\$
		lock 4	\$0.31990	\$0.25644			\$0.06346	\$0.31601	\$0,00000	\$0.01258	\$0.05957		\$0,39205	\$0.00000	\$0,00000	\$0.02536	\$0,05605	\$0.43275	\$0.04070	\$0.43275	5
		lock 5	\$0.30187	\$0.25644			\$0.04543	\$0.31601	\$0.00000	SD.01258	\$0.05957		\$0.37402	\$0.00000	\$0.00000	\$0.02565	\$0.05604	\$0.41441	\$0.04039	\$0.41441	5
32I Interr 5		lock 6 lock 1	\$0.28850 \$0.39761	\$0,25644 \$0,25644			50.03206	\$0.31601 \$0.31601	\$0,00000	\$0.01258	\$0,05957		\$0,36065 \$0,46976	\$0.00000	\$0,00000	\$0.02568	\$0,06579	50.40076 \$0.51192	\$0.04011 \$0.04216	50.40076 50.51192	5
are littled a		lock 2	\$0.39761	50,25644			\$0.14117	\$0.31601	\$0,00000	\$0.01258	\$0,05957		\$0,46976	\$0.00000	\$0,00000	\$0.02426	\$0,06642	\$0.49367	\$0.04216	\$0,49367	5
		lock 3	\$0.34974	\$0.25644			\$0.09330	\$0.31601	\$0.00000	\$0.01258	\$0.05957		\$0.42189	\$0.00000	\$0.00000	\$0.02499	\$0.05635	\$0.45326	\$0.04137	\$0.46326	ŝ
		llock 4	50,31983	\$0.25644			\$0.06339	\$0.31601	\$0,00000	\$0.01258	\$0.05957		\$0,39198	\$0,00000	\$0,00000	\$0,02547	\$0,06634	50.43285	50.04087	50,43285	s
		lock 5	\$0.30186	\$0,25644			\$0.04542	50.31601	\$0,00000	\$0.01258	\$0,05957		\$0,37401	\$0,00000	\$0,00000	\$0.02574	\$0,06631	50.41458	\$0,04057	\$0.41458	Ś
	8	lock 6	\$0.28854	\$0,25644			\$0.03210	\$0.31601	\$0,00000	\$0.01258	\$0,05957	-	\$0,36069	\$0.00000	\$0,00000	\$0.02576	\$0,05604	\$0.40097	\$0,04028	\$0.40097	5
32C Interr T		llock 1	\$0,11350	\$0.00000			\$0.11360	\$0.00000	\$0.00000	\$0.00000	\$0.00000	C	\$0.11360	\$0.00000	\$0.00000	(\$0.00152)	\$0.00018	\$0.11540	\$0.00180	\$0.11540	\$
		lock 2	\$0,09657	50,00000			50.09657	\$0.00000	\$0,00000	\$0.00000	\$0.00000		\$0,09657	\$0.00000	\$0.00000	(\$0.00137)	\$0,00016	\$0.09810	\$0,00153	\$0.09810	5
		lock 3	\$0.06B1B	\$0.00000			\$0.06818	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.06818	\$0.00000	\$0.00000	(\$0.00097)	\$0.00013	\$0.06928	\$0.00110	\$0.06928	5
		lock 4	50.03977	\$0,00000			\$0.03977	50.00000	\$0,00000	\$0.00000	\$0,00000		\$0,03977	\$0.00000	\$0,00000	(\$0.00056)	\$0,00010	\$0.04043	\$0.00066	\$0.04043	5
		lock S	\$0.02276	\$0.00000			\$0.02276	\$0.00000	\$0,00000	\$0.00000	\$0.00000		\$0.02276	\$0.00000	\$0,00000	(\$0.00030)	\$0,00008	\$0.02314	\$0,00038	\$0.02314	\$
22) 10000		lock 6	\$0.01140	\$0.00000			\$0.01140	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.01140	\$0.00000	\$0.00000	(\$0.00016)	\$0.00002	\$0.01158	\$0.00018	\$0.01158	\$
32) Interr T		lock 1 lock 2	\$0.11369 \$0.09665	\$0.00000			\$0.11369 \$0.09665	\$0.00000	\$0.00000 \$0.00000	\$0.00000	\$0.00000		\$0.11369 \$0.09665	\$0.00000	\$0.00000	(\$0.00153) (\$0.00129)	\$0.00039 \$0.00036	\$0.11561 \$0.09830	\$0.00192 \$0.00165	50.11561 50.09830	5
		lock 3	\$0.06826	\$0.00000			\$0.09865	\$0.00000	\$0,00000	\$0.00000	\$0.00000		\$0.05826	\$0.00000	\$0,00000	(\$0.00129)	\$0,00038	\$0.05830	\$0,00185	\$0.05948	5
		lock 4	\$0.03986	\$0.00000			\$0.03986	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.03986	\$0.00000	\$0.00000	(\$0.00047)	\$0.00033	\$0.04065	\$0.00079	\$0.04065	ŝ
		liock 5	\$0.02283	\$0.00000			\$0.02283	\$0.00000	\$0.00000	\$0.00000	\$0.00000		SD.02283	\$0.00000	\$0.00000	(\$0.00023)	\$0.00029	\$0.02335	\$0.00052	50.02335	ŝ
		lock 6	\$0.01150	\$0.00000			\$0.01150	\$0.00000	\$0,00000	50.00000	\$0.00000		\$0,01150	\$0.00000	\$0,00000	(\$0,00006)	\$0,00028	50.01184	\$0.00034	50.01184	5
33			\$0.00574	\$0,00000			\$0.00574	\$0.00000	\$0.00000	\$0.00000	\$0,00000		\$0,00574	\$0,00000	\$0,00000	\$0,00000	\$0.00011	\$0.00585	\$0.00011	\$0.00585	-5
1] For conver	ience of	presenta			mand charge	is used, rathe						oposed illustrat									
ources:			N Provide				1.				1. Car (1997)	and the second second	12-12-	1.1.20		1.0.2.1	-				
irect Inputs	-	N	Nov 2021 rates	21-22 PGA	21-22 PGA	21-22 PGA	-							21-22 PGA		21-22 PGA					

P.U.C. Or. 25

RATE SCHEDULE 32

LARGE VOLUME NON-RESIDENTIAL SALES AND TRANSPORTATION SERVICE

(continued)

MONTHLY RATES (continued):

Effective: November 1, 2021

The rates shown in this Rate Schedule may not always reflect actual billing rates. See **SCHEDULE 100** for a list of applicable temporary adjustments. Rates are subject to changes for purchased gas costs and technical rate adjustments. The rates for Coos County customers are subject to the additional adjustment set forth in **SCHEDULE 160**

INTERRUPTIBLE SALES SEF	Billing Rates									
Customer Charge (per month):	\$675.00									
	Base Rate	Base Rate Adjustment	Commodity Component [2]	Total Temporary Adjustments [3]						
32 CSI Volumetric Charges										
Block 1: 1 st 10,000 therms	\$0.11743	\$0.00000	\$0.31601	\$0.06614	\$0.49958					
Block 2: Next 20,000 therms	\$0.09914	\$0.00000	\$0.31601	\$0.06612	\$0.48127					
Block 3: Next 20,000 therms	\$0.06862	\$0.00000	\$0.31601	\$0.06609	\$0.45072					
Block 4: Next 100,000	\$0.03810	\$0.00000	\$0.31601	\$0.06606	\$0 <mark>.</mark> 42017					
Block 5: Next 600,000 therms	\$0.01978	\$0.00000	\$0.31601	\$0.06604	\$0.40183					
Block 6: All additional therms	\$0.00638	\$0.00000	\$0.31601	\$0.06579	\$0.38818					
Interruptible Pipeline Capacity	Interruptible Pipeline Capacity Charge (per therm):									
32 ISI Volumetric Charges	(per therm):									
Block 1: 1 st 10,000 therms	\$0.11691	\$0.00000	\$0.31601	\$0.06642	\$0.49934					
Block 2: Next 20,000 therms	\$0.09869	\$0.00000	\$0.31601	\$0.06639	\$0.48109					
Block 3: Next 20,000 therms	\$0.06831	\$0.00000	\$0.31601	\$0.06636	\$0.45068					
Block 4: Next 100,000 therms	\$0.03792	\$0.00000	\$0.31601	\$0.06634	\$0.42027					
Block 5: Next 600,000 therms	\$0.01968	\$0.00000	\$0.31601	\$0.06631	\$0.40200					
Block 6: All additional therms	\$0.00634	\$0.00000	\$0.31601	\$0.06604	\$0.38839					
Interruptible Pipeline Capacity	Charge (per th	erm):			\$0.01258					

[1] The Monthly Bill shall equal the sum of the Customer Charge, plus the Volumetric Charges, plus the Pipeline Capacity Charge selected by the Customer, plus any other charges that may apply from Schedule C or Schedule 15.

 The stated rate is the Company's Annual Sales WACOG. However, the Commodity Component to be billed will be dependent on Customer's Service Type Selection and may instead be Winter Sales WACOG or Monthly Incremental Cost of Gas.

[3] Where applicable, as set forth in this rate schedule, the Account 191 portion of the Temporary Adjustments as set forth in Schedule 162 may not apply.

[4] Where applicable, as set forth in this rate schedule, the Account 191 portion of the Sales Service Temporary Adjustments as set forth in Schedule 162 may also apply.

Issued December 3, 2021 NWN OPUC Advice No. 21-19 (continue to Sheet 32-14) Received Filing Center DEC 03 2021

Effective with service on and after January 12, 2022

Issued by: NORTHWEST NATURAL GAS COMPANY d.b.a. NW Natural (T)