

250 SW Taylor Street Portland, OR 97204 503-226-4211 nwnatural.com

July 31, 2023

NWN OPUC Advice No. 23-07 / UG 474 (UM 1078)

## VIA ELECTRONIC FILING

Public Utility Commission of Oregon Attention: Filing Center 201 High Street SE, Suite 100 Post Office Box 1088 Salem, Oregon 97308-1088

# Re: REQUEST FOR AMORTIZATION OF AMOUNTS COLLECTIBLE THROUGH SITE REMEDIATION RECOVERY MECHANISM (SRRM): UM 1078 AND UM 1635

Northwest Natural Gas Company, dba NW Natural (NW Natural or Company), files herewith revisions and additions to its Tariff, P.U.C. Or. 25,<sup>1</sup> stated to become effective with service on and after November 1, 2023, as follows:

Ninth Revision of Sheet 183-3		Site Remediation Recovery Mechanism (SRRM) (continued)
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## Purpose

This filing is made in accordance with the Public Utility Commission of Oregon's (Commission) orders in UM 1635. The purpose of this filing is to request amortization of amounts deferred under docket UM 1078 for inclusion in rates effective November 1, 2023. The Company revises rates for this purpose annually; the last filing was effective November 1, 2022.

## **Background**

This filing is in compliance with ORS 757.259, which authorizes deferred utility expenses or revenues to be allowed (amortized) in rates to the extent authorized by the Commission in a proceeding to change rates and with Order No. 15-049 in docket UM 1635. All of the deferrals included in this filing occurred with appropriate application by Commission authorization, as rate orders or under approved tariffs.

## Proposed Changes

The net effect of the removal of the current temporary adjustments applied to rates effective November 1, 2022 and the application of the new temporary adjustments is to decrease the Company's annual revenues by \$1,442,854 or about 0.17%.

<sup>&</sup>lt;sup>1</sup> Tariff P.U.C. Or. 25 originated November 1, 2012 with Docket UG 221; OPUC Order No. 12-408 as supplemented by Order No. 12-437, and was filed pursuant to ORS 767.205 and OAR 860-022-0005.

Public Utility Commission of Oregon UG 474 NWN OPUC Advice No. 23-07 July 31, 2023, Page 2

The monthly bill of the average residential customer served under Rate Schedule 2 using 56 therms per month will decrease by \$0.15, or 0.2%. The monthly decrease for the average commercial Rate Schedule 3 customer using 255 therms is about \$0.48, and the monthly decrease for the average firm sales commercial Rate Schedule 31 customer using 2,816 therms is about \$4.03. The average Rate Schedule 32 firm sales industrial customer using 18,823 therms will see a monthly decrease of about \$12.10. The average bill effects for all other rate schedule and service types can be found in the separately provided workpapers.

In compliance with OAR 860-022-0025 the Company states that the number of customers affected by the proposed change is 636,785 residential customers, and 61,984 commercial customers, and 845 industrial customers.

## **Conclusion**

In support of this filing, the Company includes supporting materials as part of this filing and will separately submit work papers in electronic format, all of which are incorporated herein by reference.

In accordance with ORS 757.205, copies of this letter and the filing made herewith are available in the Company's main office in Oregon and on its website at www.nwnatural.com.

Please address correspondence on this matter to Lora Bourdo at lora.bourdo@nwnatural.com with copies to:

eFiling Rates & Regulatory Affairs NW Natural 250 SW Taylor Street Portland, Oregon 97204 Fax: (503) 220-2579 Telephone: (503) 610-7330 eFiling@nwnatural.com

Sincerely,

NW NATURAL

/s/ Kyle Walker, CPA

Kyle Walker, CPA Rate/Regulatory Senior Manager

Attachments: Exhibit A – Supporting Materials

## NORTHWEST NATURAL GAS COMPANY

P.U.C. Or. 25

Ninth Revision of Sheet 183-3 Cancels Eighth Revision of Sheet 183-3

## **SCHEDULE 183** SITE REMEDIATION RECOVERY MECHANISM (SRRM)

(continued)

#### **APPLICATION TO RATE SCHEDULES:**

#### Effective: November 1, 2023 (C)

The Total Adjustment amount shown below is included in the Temporary Adjustments reflected in the above-listed Rate Schedules. NO ADDITIONAL ADJUSTMENT TO RATES IS REQUIRED. zzZ

Rate Schedule/Class	Block	SRRM Adjustment	Rate Schedule/Class	Block	SRRM Adjustment	
2		\$0.00896	31 CSF	Block 1	\$0.00460	(Ŗ) (R)
03 CSF		\$0.00666		Block 2	\$0.00420	
03 ISF		\$0.00488	31 CTF	Block 1	\$0.00463	
27		\$0.00733		Block 2	\$0.00423	(R)
			31 ISF	Block 1	\$0.00317	
				Block 2	\$0.00286	
			31 ITF	Block 1	\$0.00363	
				Block 2	\$0.00328	
32 CSF	Block 1	\$0.00288	32 CSI	Block 1	\$0.00170	(R)
	Block 2	\$0.00244		Block 2	\$0.00144	
	Block 3	\$0.00170		Block 3	\$0.00100	
	Block 4	\$0.00096		Block 4	\$0.00057	
	Block 5	\$0.00043		Block 5	\$0.00031	
	Block 6	\$0.00018		Block 6	\$0.00012	
32 ISF	Block 1	\$0.00185	32 ISI	Block 1	\$0.00166	
	Block 2	\$0.00156		Block 2	\$0.00140	
	Block 3	\$0.00109		Block 3	\$0.00098	
	Block 4	\$0.00062		Block 4	\$0.00055	
	Block 5	\$0.00029		Block 5	\$0.00030	
	Block 6	\$0.00012		Block 6	\$0.00011	
32 CTF	Block 1	\$0.00201	32 CTI	Block 1	\$0.00138	
	Block 2	\$0.00171		Block 2	\$0.00117	
	Block 3	\$0.00121		Block 3	\$0.00083	
	Block 4	\$0.00071		Block 4	\$0.00049	
	Block 5	\$0.00041		Block 5	\$0.00028	
	Block 6	\$0.00021		Block 6	\$0.00015	
32 ITF	Block 1	\$0.00163	32 ITI	Block 1	\$0.00148	
	Block 2	\$0.00139		Block 2	\$0.00126	
	Block 3	\$0.00098		Block 3	\$0.00089	
	Block 4	\$0.00058		Block 4	\$0.00052	
	Block 5	\$0.00033		Block 5	\$0.00030	
	Block 6	\$0.00017		Block 6	\$0.00016	(R) (R)
			33		\$0.00000	,

Issued July 31, 2023 NWN OPUC Advice No. 23-07 Effective with service on and after November 1, 2023

(R) (R)

# EXHIBIT A

# BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

# NW NATURAL SUPPORTING MATERIALS

# Non-Gas Cost Deferral Amortizations Site Remediation Recovery Mechanism (SRRM) UM 1078

NWN OPUC Advice No. 23-07 / UG 474 July 31, 2023

# **NW NATURAL**

# EXHIBIT A

# **Supporting Materials**

## Non-Gas Cost Deferral Amortizations

## SRRM

# NWN OPUC ADVICE NO. 23-07 / UG 474

Description	Page
Calculation of Increments Allocated on the Equal Percentage of Margin	1
Effects on Average Bill by Rate Schedule	2
Basis for Revenue Related Costs	3
PGA Effects on Revenue	4
Summary of Deferred Accounts Included in the PGA	5
151380 Amortization of SRRM	6
151375 SRRM Post Prudence and Amount Calculated for Rate Making	7

NW Natural

Rates & Regulatory Affairs

# 2023-24 PGA- Oregon: August Filing Calculation of Increments Allocated on the EQUAL PERCENTAGE OF MARGIN BASIS

ALL VOLUMES IN THERMS

		Oregon PGA	Billing Rate from	WACOG & Demand from	Temps from Temporary						Proposed Amount:		SRRM Deferral Temporary Increm	ent
		Volumes page,	Rates page,	Rates page,	Increment page,	MARGIN	Volumetric	Customer		Total	Revenue Sensitive Multiplier:	2.819%	add revenue sensit	tive facto
	-	Column F	Column A	Column B+C+D*	Column A	Rate E=B-C-D	Margin	Charge	Customers	Margin	Amount to Amortize:	5,555,852 Multiplier	to all classes and se Allocation to RS	chedules Incren
Schedule	Block	А	в	с	D	E=B-C-D E	F = E * A	G	н			Iviuitipiier	Allocation to KS	Incren
2R		425,261,320	\$1.43686	\$0.59247	\$0.16051	\$0.68388	\$290,827,712	\$8.00	636,785	\$351,959,072		1.0	\$3,809,558	\$0.0
3C Firm Sales		180,723,276	\$1.18666	\$0.59247	\$0.03780	\$0.55639	\$100,552,623	\$15.00	59,172	\$111,203,583	]	1.0	\$1,203,653	\$0.0
3I Firm Sales		5,242,606	\$1.13570	\$0.59247	\$0.10373	\$0.43950	\$2,304,125	\$15.00	335	\$2,364,425		1.0	\$25,592	\$0.
27 Dry Out		790,225	\$1.16589	\$0.59247	\$0.07702	\$0.49640	\$392,268	\$8.00	1,489	\$535,212	4	1.0	\$5,793	\$0.
31C Firm Sales	Block 1	10,541,198	\$0.85127	\$0.50676	\$0.04002	\$0.30449	\$6,414,403	\$325.00	653	\$8,961,103		1.0	\$96,994	\$0.
24.0 5	Block 2 Block 1	11,528,162	\$0.82424 \$0.28505	\$0.50676 \$0.00000	\$0.03949	\$0.27799 \$0.27276	6740 222	\$575.00	59	64 4 25 422	-	1.0	642.402	\$0. \$0.
31C Firm Trans	Block 1 Block 2	1,150,855 1,621,395	\$0.28505	\$0.00000	\$0.01229 \$0.01176	\$0.27276	\$718,332	\$575.00	29	\$1,125,432		1.0	\$12,182	\$0. \$0.
31I Firm Sales	Block 2 Block 1	3,851,855	\$0.84102	\$0.50676	\$0.10141	\$0.23285	\$2,752,651	\$325.00	183	\$3,466,351	-	1.0	\$37,519	\$0.
511111150105	Block 2	8,832,261	\$0.81786	\$0.50676	\$0.10099	\$0.21011	<i>\$2,752,651</i>	<i>\$</i> 525.00	105	<i>\$5,400,551</i>		1.0	<i>\$57,515</i>	\$0.
31I Firm Trans	Block 1	153,988	\$0.24605	\$0.00000	\$0.01106	\$0.23499	\$113,434	\$575.00	7	\$161,734		1.0	\$1,751	\$0.
	Block 2	363,573	\$0.22309	\$0.00000	\$0.01062	\$0.21247						1.0		\$0.
32C Firm Sales <sup>1</sup>	Block 1	31,802,850	\$0.76861	\$0.50676	\$0.10105	\$0.16080	\$6,849,615	\$675.00	543	\$11,351,592	1	1.0	\$122,868	\$0.
	Block 2	10,782,597	\$0.74322	\$0.50676	\$0.10042	\$0.13604						1.0		\$0.
	Block 3	2,237,041	\$0.70109	\$0.50676	\$0.09940	\$0.09493						1.0		\$0.
	Block 4	1,038,828	\$0.65879	\$0.50676	\$0.09836	\$0.05367						1.0		\$0.
	Block 5	30,626	\$0.62840	\$0.50676	\$0.09761	\$0.02403						1.0		\$0.
	Block 6	0	\$0.61401	\$0.50676	\$0.09727	\$0.00998					-	1.0		\$0.
321 Firm Sales <sup>1</sup>	Block 1	7,308,477	\$0.73013	\$0.50676	\$0.09833	\$0.12504	\$1,921,317	\$675.00	83	\$2,619,858		1.0	\$28,357	\$0.
	Block 2	7,116,901	\$0.71078	\$0.50676	\$0.09815	\$0.10587						1.0		\$0.
	Block 3	2,428,784	\$0.67847	\$0.50676	\$0.09787	\$0.07384						1.0		\$0
	Block 4	1,682,852	\$0.64624	\$0.50676	\$0.09757	\$0.04191						1.0		\$0
	Block 5 Block 6	210,463 0	\$0.62372 \$0.61239	\$0.50676 \$0.50676	\$0.09734	\$0.01962 \$0.00840						1.0		\$0 \$0
22C Firm Trees	Block 6 Block 1	-			\$0.09723	\$0.00840	\$633,055	\$925.00	26	\$937,359	-	1.0	\$10,146	
32C Firm Trans	Block 2	2,586,658 2,000,143	\$0.13291 \$0.11396	\$0.00000 \$0.00000	\$0.00742 \$0.00721	\$0.12549	\$035,055	\$925.00	20	\$937,359		1.0	\$10,140	\$0. \$0.
	Block 2 Block 3	713.689	\$0.08251	\$0.00000	\$0.00688	\$0.07563						1.0		\$0.
	Block 4	908,192	\$0.05102	\$0.00000	\$0.00656	\$0.04446						1.0		\$0.
	Block 5	22,758	\$0.03209	\$0.00000	\$0.00636	\$0.02573						1.0		\$0.
	Block 6	0	\$0.01952	\$0.00000	\$0.00620	\$0.01332						1.0		\$0.
32I Firm Trans	Block 1	11,491,095	\$0.13069	\$0.00000	\$0.00738	\$0.12331	\$5,621,582	\$925.00	99	\$6,858,498	1	1.0	\$74,235	\$0.
	Block 2	16,722,073	\$0.11214	\$0.00000	\$0.00721	\$0.10493						1.0		\$0.
	Block 3	10,683,887	\$0.08125	\$0.00000	\$0.00694	\$0.07431						1.0		\$0.
	Block 4	22,101,234	\$0.05039	\$0.00000	\$0.00667	\$0.04372						1.0		\$0.
	Block 5	23,116,595	\$0.03179	\$0.00000	\$0.00649	\$0.02530						1.0		\$0.
	Block 6	7,997,925	\$0.01948	\$0.00000	\$0.00636	\$0.01312					-	1.0		\$0.
32C Interr Sales	Block 1	4,812,286	\$0.74068	\$0.50676	\$0.09728	\$0.13664	\$2,138,838	\$675.00	39	\$2,454,738		1.0	\$26,570	\$0.
	Block 2 Block 3	6,912,175 3,915,818	\$0.71933 \$0.68371	\$0.50676 \$0.50676	\$0.09690 \$0.09628	\$0.11567 \$0.08067						1.0 1.0		\$0. \$0.
	Block 3 Block 4	6,195,667	\$0.64806	\$0.50676	\$0.09565	\$0.04565						1.0		\$0. \$0.
	Block 5	3,369,903	\$0.62665	\$0.50676	\$0.09525	\$0.02464						1.0		\$0.
	Block 6	3,303,303	\$0.61101	\$0.50676	\$0.09497	\$0.00928						1.0		\$0.
32I Interr Sales	Block 1	4,976,544	\$0.72514	\$0.50676	\$0.09609	\$0.12229	\$2,165,663	\$675.00	67	\$2,708,363	1	1.0	\$29,315	\$0
	Block 2	6,358,575	\$0.70622	\$0.50676	\$0.09592	\$0.10354			-			1.0		\$0
	Block 3	3,824,879	\$0.67469	\$0.50676	\$0.09566	\$0.07227						1.0		\$0
	Block 4	11,455,866	\$0.64312	\$0.50676	\$0.09538	\$0.04098						1.0		\$0
	Block 5	6,274,793	\$0.62420	\$0.50676	\$0.09523	\$0.02221						1.0		\$0.
	Block 6	1,589,833	\$0.61033	\$0.50676	\$0.09510	\$0.00847		4			-	1.0	1-	\$0
32C Interr Trans	Block 1	787,487	\$0.12584	\$0.00000	\$0.00706	\$0.11878	\$470,528	\$925.00	3	\$503,828		1.0	\$5,453	\$0
	Block 2 Block 3	1,577,765 946.128	\$0.10802 \$0.07829	\$0.00000 \$0.00000	\$0.00693 \$0.00668	\$0.10109 \$0.07161						1.0 1.0		\$0. \$0.
	Block 3 Block 4	946,128 3,171,260	\$0.07829 \$0.04854	\$0.00000	\$0.00668 \$0.00643	\$0.07161 \$0.04211						1.0		\$0. \$0.
	Block 5	663,407	\$0.04854	\$0.00000	\$0.00628	\$0.02442						1.0		\$0. \$0.
	Block 5 Block 6	000,407	\$0.01883	\$0.00000	\$0.00617	\$0.02442						1.0		\$0 \$0
32I Interr Trans	Block 1	6,332,023	\$0.12605	\$0.00000	\$0.00722	\$0.11883	\$5,297,225	\$925.00	71	\$6,085,325		1.0	\$65,867	\$0.
	Block 2	10,799,708	\$0.10821	\$0.00000	\$0.00708	\$0.10113						1.0		\$0
	Block 3	7,423,918	\$0.07848	\$0.00000	\$0.00684	\$0.07164						1.0		\$0.
	Block 4	17,235,563	\$0.04873	\$0.00000	\$0.00661	\$0.04212						1.0		\$0.
	Block 5	38,975,154	\$0.03090	\$0.00000	\$0.00646	\$0.02444						1.0		\$0.
	Block 6	98,124,177	\$0.01900	\$0.00000	\$0.00634	\$0.01266						1.0		\$0.
Special Contracts		51,198,641	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0	\$0.00	7	\$0		0.0	\$0	\$0
TOTALS		1,109,965,950					420 172 274		Ś	E10 00C 470		\$ 513,296,473	Ś 5.555.853	
Sources for line 2 ab	0.00	1,103,302,320				\$			ş	513,296,473 49,598,606		\$ 513,296,473	ə 5,555,853	
Inputs page	<u></u>					÷	37,400,708		\$	45,556,606		Line 51		

74 Note: Allocation to rate schedules or blocks with zero volumes is calculated on an overall margin percentage change basis. 75 \* Since Billing Rates for all schedules above 31 do not include demand, column c for those schedules is WACOG only

76 <sup>1</sup>Rate schedule 32 firm service includes as total margin the storage and distrubtion capacity charges and are derived using MDDV therm usages

Advice 23-07

See note [4]

Proposed

11/1/2023

SRRM Deferr

% Bill Change

O = (N - F)/F

0

-0.2%

-0.2%

-0.1%

-0.2%

-0.1%

-0.4%

-0.1%

-0.3%

Proposed

11/1/2023

Rates

м

\$1.43412

\$1.18479

\$1.13410

\$1.16380

\$0.84980

\$0.82290

\$0.28349

\$0.25976

\$0.84012

\$0.81705

\$0.24495

\$0.22209

SRRM Deferral SRRM Deferra

3/15/2023

Current

Average Bill

F=D+(C \* E)

F

\$88.46

\$317.60

\$1,495.95

\$2,700.12

\$1,645.54

\$5,095.29

\$1,995.36

\$59.30

Proposed

11/1/2023

Average Bill

N = D+(C \* M)

N

Ś88.31

\$317.12

\$59.21

\$1,493.87

\$2,696.09

\$1,639.68

\$5,090.43

\$1,989.00

#### NW Natural Rates & Regulatory Affairs 2023-24 PGA - Oregon: August Filing Effects on Average Bill by Rate Schedule [1] ALL VOLUMES IN THERMS Oregon PGA 1 Normal 2 Normalized Therms Minimum 3/15/2023 Billing 3 Volumes page, Therms in Monthly Monthly 4 Column D Block Average use Charge Rates Schedule Block D F 2R 425.261.320 N/A 56 \$8.00 \$1.43686 3C Firm Sales N/A 180,723,276 255 \$15.0 \$1.18666 3I Firm Sales 5,242,606 N/A 1,304 \$15.00 \$1.13570 10 27 Dry Out 790,225 N/A 44 \$8.00 \$1.16589 11 31C Firm Sales Block 1 10,541,198 2,000 2,816 \$325.00 \$0.85127 12 Block 2 11.528.162 all additional \$0.82424 13 31C Firm Trans Block 1 \$575.00 1.150.855 2.000 3.916 \$0.28505 1,621,395 all additional Block 2 \$0.26119 14 15 31I Firm Sales Block 1 3,851,855 2,000 5,776 \$325.00 \$0.84102 16 Block 2 8.832.261 all additional \$0.81786 17 31I Firm Trans Block 1 153,988 2.000 6,161 \$575.00 \$0.24605 18 \$0.22309 Block 2 363.573 all additional 19 32C F Sales Block 1 31,802,850 10,000 7.043 \$675.00 \$0.7686

19     32 ZPFIm Slie     80.1     1.100,285,97     50,000     50,7861     55,882.9     50,7246     50,7426       21     80.64     2.237,041     20,000     50,7039     50,7039     50,7039     50,7039       23     80.64     30,625     600,000     50,7240     50,7230     50,7246     50,7246       24     80.64     30,625     600,000     50,7230     50,5240     50,5240     50,5140     50,5140       25     211m Slie     80.64     7,116,901     20,000     50,6737     50,6140     50,6140       27     80.64     2,106,83     10,000     19,73     50,6737     50,6463     50,6123       28     80.64     0     all additional     50,6213     50,6123     50,6123     50,6123       29     80.64     2,200,13     20,000     50,1329     53,390,69     50,1339     53,390,69     50,1339     53,37,351     60,513       30     22,758     60,0000     19,973     50,13269     50,0329     50,01329     50,01329	18		Block 2	363,573	all additional			\$0.22309		\$0.22209		
11     Bick 3     2,23,7411     20,00     \$0,70109     \$0,70057       23     Bick 5     30,636     600,000     \$0,63819     \$0,63839       24     Bick 6     0     al additional     \$0,63819     \$0,63830       25     221 Firm Sale     Bick 1     7,316,901     20,000     \$0,63401     \$0,72944     \$14,235.46     -0.1%       27     Bick 3     2,428,784     20,000     \$0,6747     \$0,67807     \$0,67807       28     Bick 5     2,166,588     100,000     \$0,62372     \$0,62365     \$0,631398     \$3,373.51     -0.5%       29     Bick 5     0     al additional     \$0,61239     \$0,61239     \$0,6131398     \$3,373.51     -0.5%       31     Bick 1     2,566,58     10,000     19,973     \$925.00     \$0,13291     \$0,01317     \$0,01317       32     Bick 4     90,8192     10,000     77,536     \$925.00     \$0,01329     \$0,01317       32     Bick 5     2,27,83     600,000     \$0,031294     \$0,013194     \$0		32C Firm Sales				7,043	\$675.00		\$6,088.29		\$6,081.88	-0.1%
12     Block 4     1,038,828     100,000     S0.65879     S0.65879       24     Block 6     0     all additional     S0.61401     S0.61401       25     221 Firm Sale     Block 1     7,308,477     10.000     18,823     \$67,500     \$50,71018     \$14,247.56     \$50,71019     41,225.46     -0.11%       26     Block 3     2,428,784     20,000     58,673.00     \$50,783.7     \$50,783.7     \$50,783.67     \$50,783.67       28     Block 4     1,682,852     100,000     \$50,64624     \$50,64624     \$50,64624     \$50,61238     \$51,3196	20		Block 2	10,782,597								
3     Block 5     0.0226     600,000     S0.62830     S0.62830       25     321 Firm Sales     Block 1     7.036,477     10.000     18,823     \$675.00     \$0.71078     \$14,247.56     \$0.72944     \$14,235.46     \$0.11%       26     Block 2     2.428,784     20.000     \$0.62372     \$0.6433     \$0.62383       27     Block 4     1,652,852     100.000     19,973     \$925.00     \$0.62372     \$0.62384       30     Block 5     0     all additional     50.62372     \$0.62384     \$0.01398     \$3.373.51     -0.5%       31     32C Firm Tars     Block 4     908,192     100,000     \$0.01391     \$0.01391     \$0.01391     \$0.01391     \$0.01391     \$0.01391     \$0.01391     \$0.01391     \$0.01391     \$0.01394     \$0.01391     \$0.01394     \$0.01394     \$0.01394     \$0.01394     \$0.01394     \$0.01394     \$0.01394     \$0.01144     \$0.01144     \$0.01144     \$0.01144     \$0.01144     \$0.01144     \$0.01144     \$0.01144     \$0.01144     \$0.01144     \$0.01144 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>												
H     Biock 5     0     all additional     S06.1401     S06.1400       25     327.Firm Sales     Biock 2     7.18.901     20,000     18,823     \$675.00     \$0.7013     \$14,247.56     \$0.7019     \$14,247.56     \$0.7019     \$0.150       26     Biock 3     2.428.744     20,000     \$0.67847     \$0.67897     \$0.67897       28     Biock 4     1.862.852     100,000     \$0.662372     \$0.62375     \$0.62375       30     Biock 5     0     all additional     \$0.61239     \$0.61338     \$0.13198     \$3.373.51     \$0.556       31     32 CFirm Tans     Biock 1     2.386,658     10.000     \$0.02510     \$0.03191     \$0.01191       32     Biock 2     2.73.86     60.0000     \$0.03510     \$0.03191     \$0.01510       33     Biock 3     11.349.905     10.000     77,536     \$925.00     \$0.01502     \$0.01514       34     Biock 2     2.27.18     \$0.0000     \$0.03191     \$0.01564       35     Biock 2     2.21.01.224     \$0												
15     32 Firm Sales     Biox 1     7,08,477     10,000     18,823     \$675.00     \$07,7078     \$00,701     \$38,876,76     \$01,1139     \$33,378,51     \$0.5%     \$00,713     \$00,213     \$00,0131     \$31,026     \$01,1131     \$00,613     \$00,013     \$31,026     \$01,1131     \$00,613     \$00,0114     \$00,613     \$00,0114     \$00,613     \$00,0114     \$00,614     \$00,0114     \$00,613     \$00,0114     \$00,614     \$01,016     \$00,6163     \$00,7193     \$00,0144												
16     Block 2     7,16,901     20,000     S0,71018     S0,71018     S0,71019       27     Block 4     1,682,852     100,000     \$0,64747     \$0,67807       28     Block 5     210,463     600,000     \$0,64224     \$0,62325       31     Block 5     0     all additional     \$0,61239     \$0,61239     \$0,61239       32     Block 4     0,51,5239     \$0,61239     \$0,61239     \$0,61239     \$0,61239       33     Block 3     71,3689     2,00,00     \$0,02511     \$0,013198     \$3,373,51     -0.5%       34     Block 4     905,192     100,000     \$0,03209     \$0,03131     -0.5%       34     Block 5     22,788     600,000     \$0,03152     \$0,0194     -0.5%       34     Block 2     10,72,737     20,000     \$0,01214     \$0,0059     \$7,487,37     \$0,1294     \$7,451.38     -0.5%       32     Block 2     10,72,737     20,000     \$0,01319     \$0,0141     -0.5%       32     Block 2     10,72,737												
17     Block 3     24.87,74     20,000     \$0.67807     Sofe403       28     Block 4     1.682,852     100,000     \$0.64224     \$5.64633       30     Block 5     210,463     600,000     \$5.01329     \$5.062365       31     32C Firm Trans     Block 1     2586,558     10,000     \$5.01329     \$5.0306.99     \$5.013198     \$3.373.51     -0.5%       33     Block 3     713,689     20,000     \$0.00251     \$5.005102     \$0.003191       34     Block 4     908,192     100,000     77,536     \$925.00     \$0.01392     \$0.003191       36     Block 5     22,788     600,000     \$0.013952     \$0.00349     \$7,487.37     \$0.1294     \$7,451.38     -0.5%       37     S012150     \$0.00800     \$0.013191     \$0.013191     \$0.013191     \$0.01314     \$0.01314     \$0.01314     \$0.01314     \$0.01314     \$0.01314     \$0.01314     \$0.01314     \$0.01314     \$0.01314     \$0.01314     \$0.01314     \$0.01314     \$0.01314     \$0.01316     \$0.01314     \$		321 Firm Sales				18,823	\$675.00		\$14,247.56		\$14,235.46	-0.1%
28     Block 4     1.92, 100,000     S0.64234     S0.64234     S0.6403       30     Block 6     0     all additional     S0.62372     S0.6238       31     S2.Firm Trans     Block 1     2.886,558     10,000     19,973     \$925.00     S0.13391     \$3,990.69     S0.1319     \$3,373.51     -0.5%       32     Block 3     713,869     20,000     S0.05102     S0.05107     S0.05102     S0.01319     \$3,373.51     -0.5%       33     Block 4     908,192     100,000     S0.05102     S0.01967     \$0.01957     \$0.01957     \$0.01954     \$0.01957     \$0.01954     \$0.01944     \$0.01944     \$0.01944 <td></td>												
19     Block 5     220,463     600,000     \$0.62372     \$0.62372     \$0.6238       30     Block 6     0     all additional     \$0.61239     \$0.61238     \$0.61238       32     Block 1     2,586,658     10,000     19,973     \$925.00     \$0.11391     \$0.08196     \$0.11391     \$0.08196       31     Block 4     908,192     100,000     \$0.08251     \$0.08196     \$0.03191     \$0.08196       36     Block 4     908,192     100,000     \$0.03209     \$0.03191     \$0.01952     \$0.01944       37     Block 1     1.149,1095     10.000     \$77,536     \$0.03196     \$7,487.37     \$0.02944     \$7,451.38     \$0.0581       38     Block 4     1.149,1095     10.000     \$7,536     \$0.03193     \$0.01814     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841     \$0.01841				2,428,784								
Biock 6     0     all additional     \$0.61239     \$0.61238       31     32 CFirm Trans     Block 1     2.586.658     10.000     19.973     \$925.00     \$0.11391     \$3,390.69     \$0.11319     \$3,373.51     -0.5%       33     Block 3     713.689     20.000     \$0.05102     \$0.0507     \$0.05102     \$0.0507       34     Block 4     998,192     100,000     \$0.031391     \$0.0507     \$0.01952     \$0.01944     \$0.01952     \$0.01944     \$0.01952     \$0.01944     \$0.01951     \$0.02944     \$7.451.38     -0.5%       37     321 Firm Trans     Block 4     11.491.095     10.000     \$7.356     \$925.00     \$0.01392     \$0.01944     \$0.01944     \$0.01944     \$0.01944     \$0.01941     \$0.0196     \$0.04914     \$0.0196												
11     32 CF Im Trans     Block 1     2.586,558     10.000     19,973     \$925.00     \$011396     \$3,373.51     -0.5%       32     Block 2     2.000,143     20,000     \$0.01396     \$0.11396     \$3,373.51     -0.5%       34     Block 4     909,192     100,000     \$0.055102     \$0.08196     \$0.01394       34     Block 5     2.2,788     600,000     \$0.03209     \$0.01394     \$0.01944       36     Block 5     2.2,788     600,000     \$0.03209     \$0.01944     \$0.1595     \$0.01944       37     221 Firm Trans     Block 1     11,491,095     10,000     77,536     \$925.00     \$0.01214     \$0.01944     \$0.01944       30     Block 4     22,101,234     10,000     \$0.08179     \$0.03164     \$0.05014       41     Block 5     23,115,595     600,000     \$0.03194     \$0.01944     \$0.01944     \$0.01944     \$0.01944     \$0.01944     \$0.01944     \$0.01944     \$0.01944     \$0.01944     \$0.01944     \$0.01944     \$0.01944     \$0.01944     \$0	29		Block 5	210,463	600,000			\$0.62372		\$0.62365		
32     Block 2     2,000,143     20,000     S0,11396     S0,11396     S0,01137       33     Block 3     713,689     20,000     S0,08251     S0,08196     S0,08196       34     Block 4     908,192     100,000     S0,03209     S0,01391       37     321Frm Trans     Block 5     22,758     600,000     77,536     S925.00     S0,113069     \$7,487.37     S0,12994     \$7,451.38     -0.5%       32     Block 4     16,722,073     20,000     S0,03109     \$7,487.37     S0,12994     \$7,451.38     -0.5%       33     Block 4     16,722,073     20,000     S0,03109     \$57,487.37     S0,12994     \$7,451.38     -0.5%       40     Block 5     16,722,073     20,000     S0,03179     \$0.03164     \$0.01144     \$0.01144       41     Block 6     7,997,923     all additional     \$0.03148     \$0.01944     \$0.01944       42     Block 4     6,195,667     100,000     \$0,675,00     \$0,74083     \$0,71835     \$0,71836     \$0.71864     \$0.0194 <td></td>												
33     Block 3     713,689     20,000     \$0.08251     \$0.08196       34     Block 4     908,192     100,000     \$0.03209     \$0.03191       36     Block 5     22,758     600,000     \$0.03209     \$0.03191       37     221 Firm Trans     Block 2     16,722,073     20,000     \$0.03525     \$0.01944       38     Block 2     16,722,073     20,000     \$0.03039     \$0.0514     \$0.5%       39     Block 3     22,101,234     100,000     \$0.08125     \$0.08080     \$0.0514       40     Block 2     23,115,59     600,000     \$0.03139     \$0.01346     \$0.01941       41     Block 2     6,12,175     20,000     \$0.03194     \$0.01941     \$0.01941       42     Block 3     33,15,81     20,000     \$0.68371     \$0.8336     \$0.1366       43     22C Inter Sales     Block 4     6,195,667     100,000     \$0.64860     \$0.64330       44     Block 5     3,369,903     600,000     \$0.64830     \$0.61031     \$0.61333		32C Firm Trans				19,973	\$925.00		\$3,390.69		\$3,373.51	-0.5%
34     Block 4     908,192     100,000     \$00,5102     \$00,5070       35     Block 5     22,758     600,000     \$00,21952     \$00,3191     \$00,192       37     321Firm Trans     Block 1     11,491,095     10,000     77,536     \$925,00     \$01,1924     \$0,11994     \$7,487,37     \$01,1994     \$7,481,38     \$0,593       39     Block 2     16,72,2073     20,000     \$0,05303     \$0,01164     \$0,01154     \$0,01194     \$0,01164       41     Block 4     22,012,344     100,000     \$0,05303     \$0,03164     \$0,01941       42     Block 5     7,997,925     all additional     \$0,013179     \$0,03164       43     22 Inter Sale     Block 1     4,812,286     10,000     \$3,859     \$675.00     \$0,74933     \$0,71885     \$0,01941       44     Block 5     3,945,9318     20,000     \$0,64806     \$0,64789     \$0,71865       45     Block 6     0     all additional     \$0,61101     \$0,61101     \$0,61101       46     Block 6												
35     Block 5     22,788     600,000     \$0.03101     \$0.03101       36     Block 6     0     all additional     \$0.03209     \$0.01941     \$0.01941       37     321 Firm Trans     Block 1     11,491,095     10,000     77,536     \$925.00     \$0.10952     \$0.01941     \$0.1294     \$7,451.38     \$0.55%       38     Block 4     10,683.887     20,000     \$0.08125     \$0.0800     \$0.05014       40     Block 5     22,101,234     100,000     \$0.03197     \$0.03164     \$0.03191       41     Block 5     23,116,595     600,000     \$0.031948     \$0.01948     \$0.01941       42     Block 1     4.812,286     10,000     \$3,859     \$675.00     \$0.74938     \$0.74011     \$38,60.7489     \$0.1185       43     22C Interr Sales     Block 4     6,192,175     20,000     \$0.64806     \$0.64789     \$0.1798       44     Block 4     6,192,667     100,000     \$0.64806     \$0.67435     \$0.67435       45     Block 4     6,195,667												
Bited:     0     all additional     \$0.01952     \$0.01944       37     321 Firm Trans     Block 1     11,491,095     10,000     77,536     \$925.00     \$0.13069     \$7,487.37     \$0.12994     \$7,451.38     -0.5%       39     Block 2     16,722,073     20,000     \$0.013069     \$7,487.37     \$0.12994     \$7,451.38     -0.5%       40     Block 4     22,001,224     100,000     \$0.05039     \$0.0014     \$0.11151     -     -       41     Block 5     23,116,595     600,000     \$0.03179     \$0.03164     -     -       42     Block 6     7.997,595     all additional     \$0.01944     \$0.01944     -	34		Block 4	908,192	100,000			\$0.05102		\$0.05070		
32     321 Firm Trans     Block 1     11,491,095     10,000     77,536     \$925,00     \$0,1306;9     \$7,487,37     \$0,12994     \$7,51.38     .0.5%       39     Block 2     16,722,073     20,000     \$0,031306;9     \$57,487,37     \$0,12994     \$7,51.38     .0.5%       40     Block 3     10,683,887     20,000     \$0,03039     \$0,05014     \$0,01144     \$0,01144       41     Block 4     22,101,234     100,000     \$0,03179     \$0,03164     \$0,01944       42     Block 5     23,116,595     600,000     \$0,074068     \$30,01944     \$0,01944     \$0,01944       43     32C Inter Sales     Block 4     6,192,175     20,000     \$0,64806     \$0,64739     \$0,71885       45     Block 4     6,195,667     100,000     \$0,64806     \$0,64789     \$0,71455     \$30,724.45     \$0,1164       49     21 Inter Sales     Block 4     6,195,667     100,000     \$0,64806     \$0,67435     \$30,724.45     \$0,11%       50     Block 4     6,197,654     10,0000	35		Block 5	22,758	600,000			\$0.03209		\$0.03191		
38     Block 2     16,722,073     20,000     \$0,11214     \$0,11151       39     Block 4     10,683,887     20,000     \$0,08125     \$0,08080     \$0,08080       41     Block 4     22,001,234     100,000     \$0,03179     \$0,03164     \$0,01944       42     Block 5     7,997,925     all additional     \$0,01944     \$0,01944     \$0,01944       43     32C Inter Sales     Block 1     4,812,286     10,000     \$0,7933     \$0,74011     \$38,620.78     \$0,11%       44     Block 2     6,912,175     20,000     \$0,074068     \$38,643.34     \$0,74011     \$38,620.78     \$0,1%       45     Block 3     3,915,818     20,000     \$0,64806     \$0,64312     \$0,68338     \$0,1%       46     Block 4     6,195,667     100,000     42,886     \$6,75.00     \$0,7622     \$0,70572     \$0,7455     \$3,07445     \$30,74455     \$30,70572     \$0,7554     \$0,70572     \$0,7554     \$0,70572     \$0,70572     \$0,7574     \$0,7554     \$0,72554     \$0,72554     \$0,72545												
39     Block 3     10,633,887     20,000     \$0.08125     \$0.08026       40     Block 4     22,012,44     100,000     \$0.08125     \$0.08080       41     Block 5     23,116,595     600,000     \$0.03179     \$0.03164       42     Block 6     7,997,925     all additional     \$0.01948     \$0.01941     \$336,620.78     \$0.1%       43     32C inter Sale     Block 1     4,812,248     10,000     \$3,859     \$675.00     \$0.74068     \$30,71885     \$0.1%       44     Block 3     3,915,181     20,000     \$0.68371     \$0.68338     \$0.71885     \$0.64789       45     Block 4     6,195,667     100,000     \$0.66871     \$0.6101     \$0.6101     \$0.6101       49     321 inter Sales     Block 5     0     all additional     \$0.67469     \$0.67435     \$0.72455     \$30,724.55     \$30,724.45     \$0.1%       51     Block 5     6.274,793     600,000     \$0.674612     \$0.67435     \$0.67435     \$0.67435       53     Block 4     1,455,866 <td></td> <td>321 Firm Trans</td> <td>Block 1</td> <td>11,491,095</td> <td>10,000</td> <td>77,536</td> <td>\$925.00</td> <td>\$0.13069</td> <td>\$7,487.37</td> <td>\$0.12994</td> <td>\$7,451.38</td> <td>-0.5%</td>		321 Firm Trans	Block 1	11,491,095	10,000	77,536	\$925.00	\$0.13069	\$7,487.37	\$0.12994	\$7,451.38	-0.5%
40     Block 4     22,01,234     100,000     \$005039     \$0,05014       41     Block 5     23,115,55     600,000     \$0,03179     \$0,03164       43     322 Inter/Sales     Block 1     4,812,285     10,000     \$3,859     \$675.00     \$0,74068     \$38,643.34     \$0,74011     \$38,620.78     -0.1%       44     Block 2     6,912,175     20,000     \$0,74068     \$38,643.34     \$0,74011     \$38,620.78     -0.1%       45     Block 4     6,915,677     20,000     \$0,64306     \$50,64374     \$0,74013     \$0,74013     \$0,74013     \$0,74014     \$38,620.78     -0.1%       46     Block 4     6,195,677     10,000     \$0,64806     \$0,64789     \$0,61010       47     Block 5     6,338,75     20,000     \$0,67459     \$0,72455     \$30,724.45     \$0,176       49     321Inter/Sales     Block 4     11,455,866     100,000     \$0,67429     \$0,67435     \$0,724.55     \$30,724.45     \$30,724.45     \$0,176       51     22Linter/Tame     Block 5	38		Block 2	16,722,073	20,000			\$0.11214		\$0.11151		
Hards     Block 5     22,116,595     600,000     \$0.03179     \$0.03164       22     Block 6     7,997,925     all additional     \$0.01948     \$0.01941     \$0.01941       32C Inter Sales     Block 1     4,812,286     10,000     \$3,859     \$675.00     \$0.7008     \$38,643.34     \$0.71885       44     Block 2     6,912,175     20,000     \$0.68371     \$0.68338     \$0.71885     \$0.64789       45     Block 4     6,155,667     100,000     \$0.66806     \$0.64789     \$0.61101     \$0.61101       46     Block 5     3,369,303     600,000     \$0.62665     \$0.62665     \$0.62101     \$0.61101       47     Block 5     6,274,793     20,000     \$0.67469     \$0.67455     \$0.7244,55     \$0.7244,55       48     Block 5     6,274,793     600,000     \$0.67469     \$0.67455     \$0.62429     \$0.67455       51     Block 5     6,274,793     600,000     \$0.62420     \$0.61032     \$0.61032     \$0.6123       52     Block 4     11,455,866	39		Block 3	10,683,887	20,000			\$0.08125		\$0.08080		
Hock 6     7.997,925     all additional     S0.01941     S0.01941     S0.01941       3     32C Interr Sales     Block 1     4.812,226     10,000     53,859     \$675.00     \$0.74008     \$38,643.34     \$0.71885     -0.1%       43     Block 2     6,912,175     20,000     \$0.68371     \$0.6338     \$0.71885     -0.1%       45     Block 4     6,195,667     100,000     \$0.64806     \$0.64789     -0.1%       46     Block 4     6,195,667     100,000     \$0.62665     \$0.62655     \$0.72455     \$30,724.55	40		Block 4	22,101,234				\$0.05039		\$0.05014		
43     32C Inter Sales     Block 1     4,812,286     10,000     53,859     \$675,00     \$0,74018     \$38,620,78     -0.1%       44     Block 2     6,912,175     20,000     \$0,71933     \$0,71835     \$0,74011     \$38,620,78     -0.1%       45     Block 3     3,915,618     20,000     \$0,64806     \$0,64789     \$0,64789     \$0,64789       46     Block 4     6,195,667     100,000     \$0,64806     \$0,64789     \$0,6101     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6110     \$0,6103     \$0,6110     \$0,6103     \$0,6103     \$0,6103     \$0,07571 <td>41</td> <td></td> <td>Block 5</td> <td>23,116,595</td> <td>600,000</td> <td></td> <td></td> <td>\$0.03179</td> <td></td> <td>\$0.03164</td> <td></td> <td></td>	41		Block 5	23,116,595	600,000			\$0.03179		\$0.03164		
44     Block 2     6,912,175     20,000     \$0,71933     \$0,71933     \$0,71983     \$0,71983       45     Block 3     3,915,181     20,000     \$0,64806     \$0,64789       46     Block 4     6,195,667     100,000     \$0,64806     \$0,64789       47     Block 5     3,395,903     600,000     \$0,62665     \$0,62568       49     321Inter/Tsales     Block 1     4,975,544     10,000     42,886     \$675,00     \$0,72514     \$30,724,55     \$30,7												
45     Block 3     3.915,818     20,000     \$0.68371     \$0.68371     \$0.68373       46     Block 4     6,195,667     100,000     \$0.64806     \$0.64789        47     Block 5     3,269,903     600,000     \$0.62665     \$0.61101     \$0.61101       48     Block 5     0     all additional     \$0.62665     \$0.62103     \$0.7572       50     Block 3     3.824,879     20,000     \$0.67624     \$0.70572     \$0.70572       51     Block 3     3.824,879     20,000     \$0.64249     \$0.67433     \$0.64294       52     Block 4     11,455,866     100,000     \$0.64312     \$0.64294     \$0.62420       53     Block 5     6.274,793     600,000     \$0.62420     \$0.62420     \$0.62412     \$0.6033       54     22 Inter Tass     Block 1     1787,487     10.000     198,501     \$912,603     \$0.10802     \$0.10771       55     32 Inter Tass     Block 4     3,17,260     100,000     \$0.03807     \$0.01881     \$0.07771 <tr< td=""><td></td><td>32C Interr Sales</td><td></td><td></td><td></td><td>53,859</td><td>\$675.00</td><td></td><td>\$38,643.34</td><td></td><td>\$38,620.78</td><td>-0.1%</td></tr<>		32C Interr Sales				53,859	\$675.00		\$38,643.34		\$38,620.78	-0.1%
46     Block 4     6.195,667     100,000     \$0.6480.6     \$0.64789       47     Block 5     3,369,903     600,000     \$0.6480.6     \$0.64789       49     321Inter Sales     Block 6     0     all additional     \$0.61101     \$0.61101       50     Block 1     4.975,544     10.000     42,886     \$675.00     \$0.72514     \$30.744.73     \$0.724.55     \$30,724.55												
47     Block 5     3,369,903     600,000     \$0,62665     \$0,62665     \$0,62658       48     Block 6     0     all additional     \$0,61101     \$0,61101     \$0,61101       49     321 Inter Sales     Block 1     4,976,544     10,000     42,886     \$675,00     \$0,72514     \$30,744.73     \$0,72545     \$30,724.45     \$0,11%       50     Block 2     6,3858,575     20,000     \$0,67469     \$0,67435     \$0,74574     \$0,7572     \$0,64294     \$0,64294     \$0,64294     \$0,64294     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,6103     \$0,01080     \$0,01080     \$0,000     \$0,000     \$0,0008     \$0,00771     \$0,000     \$0,03070     \$0,03051     \$0,01884     \$0,04719     \$0,01884     \$0,07714     \$0,01884     \$0,03051     \$0,01884     \$0,04851     \$0,01885     \$0,01886     \$0,07714     \$0,01886     \$0,07714     \$0,01886			Block 3	3,915,818	20,000			\$0.68371		\$0.68338		
Bitock 6     0     all additional     S0 61101     S0 61101     S0 61101       49     321 Interr Sales     Block 1     4,976,544     10,000     42,886     \$0,77214     \$30,744.73     \$0,72455     \$30,724.45     \$0,13%       50     Block 2     6,338,975     20,000     \$0,67469     \$0,67459     \$0,67435     \$0,72455     \$30,724.45     \$0,13%       51     Block 3     3,824,879     20,000     \$0,67469     \$0,67435     \$0,67435     \$0,67459     \$0,67435     \$0,62424     \$0,61031     \$0,61031     \$0,61031     \$0,61033     \$0,61032     \$0,61032     \$0,61032     \$0,61032     \$0,61033     \$0,61033     \$0,61033     \$0,61033     \$0,61033     \$0,61033     \$0,61033     \$0,61033     \$0,61034     \$0,77%     \$0,61034     \$0,07771     \$0,0776     \$0,0776     \$0,0776     \$0,0776     \$0,07771     \$0,0184     \$0,07771     \$0,03051     \$0,07771     \$0,0184     \$0,07771     \$0,0184     \$0,07771     \$0,03051     \$0,0776     \$0,01863     \$0,07771     \$0,01864     \$0,07761     \$0,01266												
49     321 Inter Sales     Block 1     4.976,544     10,000     42,886     \$675,00     \$0.7514     \$30,744.73     \$0.72455     \$30,724.45     \$0.1%       50     Block 2     6,358,575     20,000     \$0.6752.2     \$0.70572     \$0.7572     \$0.7572     \$0.7572     \$0.7572     \$0.7572     \$0.7572     \$0.7572     \$0.7572     \$0.7572     \$0.7572     \$0.64234     \$0.64234     \$0.64234     \$0.64234     \$0.64234     \$0.64234     \$0.64234     \$0.64234     \$0.64234     \$0.64234     \$0.64234     \$0.64234     \$0.6623412     \$0.6564312     \$0.662434     \$0.61033     \$0.61033     \$0.61033     \$0.61032     \$0.61032     \$0.771     \$0.0000     \$0.08244     \$0.12487     \$12,171.90     \$0.776     \$0.0000     \$0.00829     \$0.01771     \$0.0000     \$0.04854     \$0.04821     \$0.01802     \$0.01874     \$0.01874     \$0.01874     \$0.01874     \$0.01874     \$0.01874     \$0.01874     \$0.01874     \$0.01874     \$0.01874     \$0.01874     \$0.01874     \$0.01874     \$0.01874     \$0.01874     \$0.01874     \$0.01874     <	47				600,000							
50     Block 2     6.58,575     20,000     \$0,70522     \$0,70572       51     Block 3     3,824,879     20,000     \$0,67469     \$0,67435       52     Block 4     11,455,866     100,000     \$0,67469     \$0,67435       53     Block 5     6,274,793     600,000     \$0,6412     \$0,62429       54     Block 6     1,589,833     all additional     \$0,6103     \$0,6103       55     32C Inter Trans     Block 1     787,487     10,000     198,501     \$925.00     \$0,1284     \$12,252.01     \$0,12487     \$12,171.90       56     Block 4     3,171,260     1,00,000     \$0,07829     \$0,0777.1     \$0,04821       57     Block 5     663,407     600,000     \$0,03070     \$0,04821     \$0,077.1       58     Block 4     3,171,260     100,000     \$0,03070     \$0,03031     \$0,01874       60     Block 5     663,407     600,000     \$0,01881     \$0,01874     \$0,01874       61     321Inter Trams     Block 1     6,322,023												
51     Block 3     33,24,879     20,000     \$067469     \$067469     \$067435       52     Block 4     11,455,866     10,000     \$064131     \$06,2412     \$06,2412       53     Block 5     6,274,793     600,000     \$0,62412     \$0,61032       54     Block 4     1,785,863     al additional     \$0,61033     \$0,61032       56     32C Inter Trans     Block 4     1,787,765     20,000     \$0,0252.01     \$0,1254     \$12,271.90     -0.7%       56     Block 4     3,717,60     100,000     \$0,04854     \$0,04821     \$0,01834     \$0,01874       58     Block 5     663,407     600,000     \$0,03070     \$0,01834     \$0,01874       59     Block 5     663,407     600,000     \$0,01883     \$0,01874     \$0,01874       61     221 Inter/Trans     Block 1     6,32,000     \$0,01883     \$0,01874     \$0,0481       62     Block 2     10,799,708     20,000     \$0,01821     \$0,01874     \$0,04861       63     Block 3     7,42		321 Interr Sales	Block 1	4,976,544		42,886	\$675.00		\$30,744.73		\$30,724.45	-0.1%
52     Block 4     11,455,866     100,000     \$0,64312     \$0,64234       53     Block 5     6,274,793     600,000     \$0,64312     \$0,64234       54     Block 6     1,589,833     all additional     \$0,61033     \$0,61033       55     32CInter Trans     Block 1     787,487     10,000     198,501     \$925,00     \$0,1284     \$12,252.01     \$0,12487     \$12,171.90     -0.7%       56     Block 4     1,577,65     20,000     \$0,10802     \$0,00771     \$0,00771     \$0,0007829     \$0,01771     \$0,03051     \$0,03051     \$0,03051     \$0,03051     \$0,03051     \$0,03051     \$0,03051     \$0,03051     \$0,03051     \$0,03051     \$0,03051     \$0,03051     \$0,03051     \$0,03051     \$0,04851     \$0,04851     \$0,04851     \$0,04851     \$0,04851     \$0,04851     \$0,04851     \$0,04851     \$0,03076     \$0,030761     \$0,030761     \$0,04851     \$0,07741     \$0,04851     \$0,07810     \$0,04851     \$0,07810     \$0,04851     \$0,07810     \$0,04851     \$0,07810     \$0,04851     \$0,07810												
53     Block 5     6/274,793     600,000     \$06,2420     \$00,2420     \$00,2420     \$00,2771     \$00,33051     \$00,2420     \$00,0771     \$00,30351     \$00,2420     \$00,070     \$00,30351     \$00,2420     \$00,070     \$00,30351     \$00,2420     \$00,070     \$00,30351     \$00,2420     \$00,070     \$00,30351     \$00,4421     \$00,790,708     \$00,000     \$00,1820     \$00,1820     \$00,1820     \$00,1820     \$00,1820     \$00,1820     \$00,1820 <t< td=""><td></td><td></td><td>Block 3</td><td>3,824,879</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			Block 3	3,824,879								
54     Block 6     1,589,833     all additional     \$0.61033     \$0.61032       55     32C Interr Trans     Block 1     787,487     10,000     198,501     \$925,00     \$0.1284     \$12,252.01     \$0.12487     \$12,171.90     -0.7%       56     Block 2     1,577,765     20,000     \$0.12884     \$12,252.01     \$0.12487     \$12,171.90     -0.7%       57     Block 3     946,128     20,000     \$0.007829     \$0.0771     50.00821     50.00001     50.04884     \$0.04821     50.01883     50.01874     50.01874     50.01874     50.01874     50.01874     50.01874     50.01874     50.01874     50.01874     50.01874     50.01874     50.01874     50.01874     50.01874     50.01874     50.01874     50.01874     50.07714     -0.4%     50.07810     50.01883     50.01874     50.01874     50.01874     50.07810     50.01874     50.07810     50.07810     50.07810     50.07810     50.07810     50.04873     50.04873     50.04851     50.07810     50.03090     50.03076     50.03990     50.03078												
55     32C Interr Trans     Block 1     787,487     10,000     198,501     \$925,00     \$0,1284     \$12,252.01     \$0,12487     \$12,171.90     -0.7%       56     Block 2     1,577,765     20,000     \$0,01284     \$12,252.01     \$0,112487     \$12,171.90     -0.7%       57     Block 3     946,128     20,000     \$0,04854     \$0.04821     \$0,01711       58     Block 4     3,171,260     100,000     \$0,04854     \$0.04821     \$0.01870     \$0.03051       59     Block 5     663,407     600,000     \$0,01883     \$0.01874     \$12,254     \$12,254     \$12,812     -0.4%       61     321.Interr Trans     Block 1     6,332,023     10,000     \$20,965     \$925.00     \$0,12605     \$12,2542     \$12,2542     \$12,8124     \$12,4124     \$12,4124     \$12,4124     \$12,4124     \$12,4124     \$12,4124     \$12,4124     \$12,4124     \$12,4124     \$12,4124     \$12,4124     \$12,4124     \$12,4124     \$12,4124     \$12,4124     \$12,4124     \$12,41244     \$12,41244     \$12,41244												
56     Block 2     1,577,765     20,000     \$0,10802     \$0,10719       57     Block 3     946,128     20,000     \$0,07829     \$0,0771       58     Block 4     3,171,260     100,000     \$0,04821     \$0,03051       59     Block 5     663,407     600,000     \$0,01883     \$0,01874       60     Block 1     6,32,023     10,000     209,965     \$925,00     \$0,12605     \$12,645,11     \$0,1274     \$12,542     \$12,591,21     -0.4%       62     Block 2     10,799,708     20,000     \$0,07848     \$0,07810     \$0,07810       63     Block 3     7,423,181     20,000     \$0,04873     \$0,04851     \$0,03070       64     Block 4     37,235,563     100,000     \$0,04873     \$0,03076     \$0,03078       65     Block 5     38,975,154     600,000     \$0,03090     \$0,03078     \$0,03078       66     Block 6     98,124,177     all additional     \$0,01900     \$0,03078     \$0,03078												
57     Block 3     94,6128     20,000     \$00,782.9     \$0,0772.1       58     Block 4     3,171,260     100,000     \$0,04854     \$0,04821     \$0,04821       58     Block 5     663,407     600,000     \$0,03070     \$0,03051       60     Block 1     6,332,023     10,000     209,965     \$925,00     \$0,12655     \$12,454.11     \$0,12742     \$12,99.24       61     321Inter Trans     Block 1     6,332,000     \$0,01883     \$0,01771     \$0,0184     \$0,01701     \$0,01874       62     Block 2     10,799,708     20,000     \$0,01881     \$0,01701     \$0,01863     \$0,01761       63     Block 3     7,473,818     20,000     \$0,07848     \$0,0791.1     \$0,01964       64     Block 4     17,235,563     100,000     \$0,04873     \$0,04851     \$0,03078       65     Block 5     38,975,154     600,000     \$0,03090     \$0,03078     \$0,03078       64     Block 6     98,124,177     all additional     \$0,01900     \$0,03078     \$0,03078 <td></td> <td>32C Interr Trans</td> <td></td> <td></td> <td></td> <td>198,501</td> <td>\$925.00</td> <td></td> <td>\$12,252.01</td> <td></td> <td>\$12,171.90</td> <td>-0.7%</td>		32C Interr Trans				198,501	\$925.00		\$12,252.01		\$12,171.90	-0.7%
58     Block 4     3,171,260     100,000     \$0.04854     \$0.04821       59     Block 5     663,407     600,000     \$0.03070     \$0.03051       60     Block 6     0     all additional     \$0.01883     \$0.01874       61     321 Inter Trans     Block 1     6.332,023     10,000     209,965     \$925.00     \$0.12605     \$12,665.11     \$0.12542     \$12,591.21       63     Block 4     7,423,918     20,000     \$0.07848     \$0.07810       64     Block 4     7,235,553     100,000     \$0.04873     \$0.04851       65     Block 5     38,975,154     600,000     \$0.03090     \$0.03078       64     Block 6     98,124,177     all additional     \$0.01900     \$0.03078												
59     Block 5     663,407     600,000     \$0.0307     \$0.3051       60     Block 6     0     all additional     \$0.01883     \$0.01874       61     321 Inter Trans     Block 1     6.33,207     \$0.02874     \$0.01883     \$0.01874       62     Block 2     10,000     209,965     \$925,00     \$0.12605     \$12,645.11     \$0.12542     \$12,591.21     -0.4%       63     Block 3     7,423,318     20,000     \$0.07844     \$0.07810     64       64     Block 4     17,235,563     100,000     \$0.04873     \$0.04851     50       65     Block 5     38,975,154     600,000     \$0.03090     \$0.030761     50.030781												
60     Block 6     0     all additional     \$001883     \$001874       1     321 Inter: Trans     Block 1     6.33 (2010)     209,965     \$925.00     \$012665     \$122,645.11     \$0.1274     \$12,695.11     \$0.1276       63     Block 3     7,423,918     20,000     \$0.07848     \$0.07810     \$0.07848     \$0.07810       64     Block 4     17,235,563     100,000     \$0.04851     \$0.03078     \$0.03078       65     Block 5     38,975,154     600,000     \$0.03090     \$0.03078       66     Block 6     98,124,177     all additional     \$0.01900     \$0.01895												
61     321 Inter: Trans     Block 1     6,332,023     10,000     209,965     \$925.00     \$0.12605     \$12,645.11     \$0.12542     \$12,591.21     -0.4%       62     Block 2     10,799,708     20,000     \$0.12605     \$12,645.11     \$0.12542     \$12,591.21     -0.4%       63     Block 3     7,423,918     20,000     \$0.07848     \$0.07810       64     Block 4     17,235,553     100,000     \$0.04873     \$0.04851       65     Block 5     38,975,154     600,000     \$0.03090     \$0.03078       66     Block 6     98,124,177     all additional     \$0.01900     \$0.01895												
62     Block 2     10,799,708     20,000     \$0,10821     \$0,10767       63     Block 3     7,433,918     20,000     \$0,07484     \$0,07810       64     Block 4     17,235,563     100,000     \$0,04873     \$0,04851       65     Block 5     38,975,154     600,000     \$0,03990     \$0,03078       66     Block 6     98,124,177     all additional     \$0,01900     \$0,01895												
63     Block 3     7,423,918     20,000     \$0.07848     \$0.07810       64     Block 4     17,235,563     100,000     \$0.004873     \$0.04851       65     Block 5     38,975,154     600,000     \$0.03078     \$0.01895       66     Block 6     98,124,177     all additional     \$0.01900     \$0.01895		32I Interr Trans				209,965	\$925.00		\$12,645.11		\$12,591.21	-0.4%
64     Block 4     17,235,563     100,000     \$0,04873     \$0,04851       65     Block 5     38,975,154     600,000     \$0,03090     \$0,03078       66     Block 6     98,124,177     all additional     \$0,01900     \$0,01895												
65     Block 5     38,975,154     600,000     \$0.03090     \$0.03078       66     Block 6     98,124,177     all additional     \$0.01900     \$0.01895												
66 Block 6 98,124,177 all additional \$0.01900 \$0.01895												
67 <u>Special Contracts</u> 51,198,641 N/A 0 \$0 \$0.00000 \$0.00 \$0.000 \$0.00			Block 6									
	67	Special Contracts		51,198,641	N/A	0	\$0	\$0.00000	\$0.00	\$0.00000	\$0.00	

68 69 70

Totals

71 [1] For convenience of presentation, demand charges for Rate Schedules 31 and 32 have been removed.

72 [2] Tariff Advice Notice 23-05: Non-Gas Cost Deferral Amortizations - Intervenor Funding

73 [3] Tariff Advice Notice 23-06: Non-Gas Cost Deferral Amortizations - Oregon PUC Fee

74 [4] Tariff Advice Notice 23-07: Non-Gas Cost Deferral Amortizations - SRRM

75 [5] Tariff Advice Notice 23-08: Non-Gas Cost Deferral Amortizations - Industrial DSM

1,109,965,950

76 [6] Tariff Advice Notice 23-09: Non-Gas Cost Deferral Amortizations - Decoupling

77 [7] Tariff Advice Notice 23-10: Non-Gas Cost Deferral Amortizations - WARM

78 [8] Tariff Advice Notice 23-11: Non-Gas Cost Deferral Amortization - Corporate Activity Tax (CAT) Amortization 79 [9] Tariff Advice Notice 23-12: Non-Gas Cost Amortization - Net Curtaiment and Entitlement Revenues

Image: Advice Notice 23-12: Non-Gas Cost Amortization - Net Curtaiment and Entitlement
[10] Tariff Advice Notice 23-13: Non-Gas Cost Amortization - Regulatory Rate Adjustment

81 [11] Tariff Advice Notice 23-14: Non-Gas Cost Amortization - Regulatory Rate Adjustment

82 [12] Tariff Advice Notice 23-15: Non-Gas Cost Amortization - RNG Transport Allocation

83 [13] Tariff Advice Notice 23-16: COVID Years 2 & 3

84 [14] Tariff Advice Notice 23-17: Non-Gas Cost Amortization - TSA Security Directive

85 [15] Tariff Advice Notice 23-18: CCI's

86 [16] Tariff Advice Notice 23-19: PGA

87 [17] Tariff Advice Notice 23-20: RNG Adj Mechanism

#### NW Natural Rates and Regulatory Affairs 2023-2024 PGA Filing - OREGON Basis for Revenue Related Costs

1 2		Twelve Months Ended 06/30/23	
3	Total Billed Gas Sales Revenues	\$ 977,383,649	
4	Total Oregon Revenues	\$ 981,971,599	
5			
6	Regulatory Commission Fees [1]	n/a	0.430% Statutory rate
7	City License and Franchise Fees	\$ 22,573,887	2.299% Line 7 ÷ Line 4
8	Net Uncollectible Expense [2]	\$ 881,388	0.090% Line 8 ÷ Line 4
9			
10	Total		2.819% Sum lines 8-9
11			

12

13 <u>Note:</u>

14 [1] Dollar figure is set at statutory level of 0.275% times Total Oregon Revenues (line 4).

15 Because the fee changed since our last general rate case, the difference between the previous fee of 0.375%

16 and the new fee of 0.430%, as it affects our base rates, is being captured as a temporary deferral.

17 [2] Represents the normalized net write-offs based on a three-year average.

## NW Natural Rates & Regulatory Affairs 2023-2024 PGA Filing - Oregon: August Filing PGA Effects on Revenue UG 474: SRRM

1	SRRM Components:	Including Revenue Sensitive <u>Amount</u>
2	SKKM components.	Amount
2 3 4	Removal of Current Temporary Increments:	
5	Amortization of SRRM	(6,998,706)
6		
7	Addition of Proposed Temporary Increments:	
8		
9	Amortization of SRRM	5,555,852
10		
11	Total	\$ (1,442,854)
12		
13		
14		
15	2022 Oregon Earnings Test Normalized Total Revenues	\$849,278,042
16		
17	Effect of this filing, as a percentage change (line $11 \div$ line 15)	-0.17%

#### NW Natural Rates & Regulatory Affairs 2023-2024 PGA Filing - June Filing Summary of Deferred Accounts Included in the PGA

_	Account	Balance 6/30/2023	Jul-Oct Estimated Activity	Jul-Oct Interest	Estimated Balance 10/31/2023	Interest Rate During Amortization	Estimated Interest During Amortization F2	Total Estimated Amount for (Refund) or Collection	Amounts Excluded from PGA Filing	Amounts Included in PGA Filing
	A	в	L	D	E	F1	F2	G	н	1
					E = sum B thru D	5.13%		G = E + F2		Excl. Rev Sens
34	Miscellaneous Amortizations									
39 1	51380 SRRM AMORTIZATION	613,984	(1,077,721)	1,072	(462,665)					
40 1	51375 SRRM POST PRUDENCE (one-fifth of balance and interest)	5,626,162	0	88,662	5,714,825					
41	Total	6,240,147	(1,077,721)	89,735	5,252,160	5.13%	147,086	5,399,246		5,399,246

1	Company: State: Description: Account Number: Docket: Debit (Credit)		Northwest Natural Gas Oregon Amortization of SRRM 151380 Dockets UM 1635, UG Amortization of SRRM	448	0rder 22-408			
3	Month/Year	Note	Amortization	Transfers	Interest Rate	Interest	Activity	Balance
4	(a)	(b)	(C)	(d)	(e1)	(e2)	(f)	(g)
5								
6	Beginning Balance							
101	Nov-22 (	Old rates	(226,584.59)		1.24%	67.52	(226,517.07)	(47,882.57)
102	Nov-22	New rates (1)	(376,310.25)	6,810,347.04	1.82%	10,043.66	6,444,080.45	6,396,197.88
103	Dec-22		(1,163,576.40)		1.82%	8,818.52	(1,154,757.88)	5,241,440.00
104	Jan-23		(1,125,767.30)		1.82%	7,095.81	(1,118,671.49)	4,122,768.51
105	Feb-23		(1,048,996.66)		1.82%	5,457.38	(1,043,539.28)	3,079,229.23
106	Mar-23		(1,028,210.40)		1.82%	3,890.44	(1,024,319.96)	2,054,909.27
107	Apr-23		(791,324.53)		1.82%	2,516.52	(788,808.01)	1,266,101.26
108	May-23		(420,672.77)		1.82%	1,601.24	(419,071.53)	847,029.73
109	Jun-23		(234,152.59)		1.82%	1,107.10	(233,045.49)	613,984.24
110	Jul-23 <i>i</i>	forecasted	(200,243.96)		1.82%	779.36	(199,464.60)	414,519.64
111	Aug-23 <i>i</i>	forecasted	(199,623.50)		1.82%	477.31	(199,146.19)	215,373.45
112	Sep-23 /	forecasted	(213,656.90)		1.82%	164.63	(213,492.27)	1,881.18
113	Oct-23 /	forecasted	(464,196.70)		1.82%	(349.16)	(464,545.86)	(462,664.68)
114								

## 115 History truncated for ease of viewing

116

117 **NOTES** 

118 **1** - Transferred in authorized balances from Environmental Post Prudent account 151375.

Company:	Northwest Natural Gas Company
State:	Oregon
Description:	SRRM Post-Prudence
Account Number:	151375
Docket:	SRRM Environmental Mechanism established in Order No. 12-437

## Debit (Credit)

1			Transfer In	Transfer Out			Interest			
2	Month/Year	Note	From Pre-Prudence	To Amortization	Adjustments	Interest	Rate	Activity	Balance	
3	(a)	(b)	(C)	(d)	(e)	(f1)	(f2)	(g)	(h)	
4	Beginning Balance							<i>(</i> · · · · · · · · · · · · · · ·	-	
101	Nov-22	12		(6,810,347.04)		51,102.62	2.24%	(6,759,244.42)	27,427,507.92	
102	Dec-22					51,198.01	2.24%	51,198.01	27,478,705.93	
103	Jan-23					107,624.93	4.70%	107,624.93	27,586,330.86	
104	Feb-23					108,046.46	4.70%	108,046.46	27,694,377.32	
105	Mar-23					108,469.64	4.70%	108,469.64	27,802,846.96	
106	Apr-23					108,894.48	4.70%	108,894.48	27,911,741.44	
107	May-23					109,320.99	4.70%	109,320.99	28,021,062.43	
108	Jun-23					109,749.16	4.70%	109,749.16	28,130,811.59	
109	Jul-23					110,179.01	4.70%	110,179.01	28,240,990.60	
110	Aug-23					110,610.55	4.70%	110,610.55	28,351,601.15	
111	Sep-23					111,043.77	4.70%	111,043.77	28,462,644.92	
112	Oct-23					111,478.69	4.70%	111,478.69	28,574,123.61	
113										
114										
115									1/5 of balance	
116	History truncated f	or ease	of viewing					6/30/2023	5,626,162.32	
117								Jul-Oct 2023 Activity	-	
118	Notes:							Jul-Oct 2023 Interest	88,662.40	
119										