



**NORTHWEST PIPELINE LLC**  
2800 Post Oak Boulevard (77056)  
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713-215-2000

February 25, 2022

Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, D.C. 20426

Attention: Ms. Kimberly D. Bose, Secretary

Re: Northwest Pipeline LLC  
2022 Summer Fuel Filing  
Docket No. RP22-\_\_\_\_

Dear Ms. Bose:

Pursuant to Section 4 of the Natural Gas Act and Part 154 of the Federal Energy Regulatory Commission's ("Commission" or "FERC") regulations thereunder, Northwest Pipeline LLC ("Northwest") hereby tenders for filing and acceptance the following tariff record as part of its FERC Gas Tariff, Fifth Revised Volume No. 1 ("Tariff"):

Thirtieth Revised Sheet No. 14

The proposed effective date of the tariff record is April 1, 2022.

**Statement of Nature, Reasons, and Basis for the Filing**

Northwest is submitting this filing to comply with Section 14.12 and Section 14.20 of the General Terms and Conditions ("GT&C") contained in Northwest's Tariff, which requires the fuel reimbursement factors ("Factor(s)") for the transportation rate schedules to be determined semi-annually to become effective on April 1 and October 1 of each year, and requires Factors for storage rate schedules to be determined annually to become effective April 1 of each year.

By this filing, Northwest proposes the following Factors: (1) an increase from 0.86% to 1.01% in the Factor for Northwest's transportation services under Rate Schedules TF-1<sup>1</sup>, TF-2, TI-1 and DEX-1; (2) no change to the 0.32% Factor for Northwest's underground storage services under Rate Schedules SGS-2F and SGS-2I; (3) a decrease from 0.25% to 0.23% in the liquefaction Factor for Northwest's liquefied natural gas ("LNG") storage services under Rate Schedules LS-2F, LS-

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<sup>1</sup> In addition to the Rate Schedule TF-1 Factor, a fixed 0.50% Evergreen Expansion Incremental Surcharge applies to the quantity of gas nominated for receipt at the Sumas, SIPI, or Pacific Pool receipt points under Evergreen Expansion service agreements.

3F, LS-2I and LD-4I; and (4) an increase from 0.29% to 0.30% in the vaporization Factor for Northwest's LNG storage services under Rate Schedules LS-2F, LS-3F and LS-2I.

The above Factors provide in-kind reimbursement to Northwest for fuel gas used and gas lost and unaccounted-for ("L&U") in its transmission and storage system operations.

Although Northwest's Tariff does not dictate the use of any particular methodology for making the projections that are necessary components of a proposed Factor, Northwest typically bases its projected transportation quantities, fuel usage and L&U on historical averages. Unless specifically noted, Northwest has continued to use that methodology in making the current projections for its Factors. Exhibits A, B, C, D and supporting work papers are included herein to show the data and formulas used to derive the proposed Factors.

As part of its annual fuel filing, Northwest is required to true-up the liquefaction charge for Rate Schedules LS-3F and LD-4I.

#### **Mainline Transportation (Calculations on Exhibit A)**

Northwest proposes an increase from 0.86% to 1.01% for the Factor to be used during the upcoming April 2022 through September 2022 period for transportation services under Rate Schedules TF-1, TF-2, TI-1 and DEX-1. The proposed 1.01% Factor is designed to recover the anticipated fuel usage and L&U, and true-up the variance between fuel reimbursed and fuel used (including L&U) for prior periods.

#### **Underground Storage (Calculations on Exhibit B)**

Northwest proposes no change to the 0.32% Factor to be used during the upcoming April 2022 through March 2023 period for storage service at the Jackson Prairie Storage Project under Rate Schedules SGS-2F and SGS-2I.

#### **LNG Storage (Calculations on Exhibits C and D)**

Northwest proposes a decrease from 0.25% to 0.23% for the liquefaction Factor to be used during the upcoming April 2022 through March 2023 period for storage service at the Plymouth LNG facility under Rate Schedules LS-2F, LS-3F, LS-2I and LD-4I.

Northwest proposes an increase from 0.29% vaporization Factor to 0.30% during the upcoming April 2022 through March 2023 period for storage service at the Plymouth LNG facility under Rate Schedules LS-2F, LS-3F, and LS-2I.

#### **LS-3F and LD-4I Estimated Liquefaction Charge**

Plymouth LNG Rate Schedules LS-3F and LD-4I were added to Northwest's Tariff in October 2014.<sup>2</sup> Section 14.20 of the GT&C of Northwest's Tariff states that the current year's estimated liquefaction charge for these two Rate Schedules are to be filed concurrently with Northwest's annual fuel filing. Since no shippers have utilized services under either a Rate Schedule LS-3F or Rate Schedule LD-4I Service Agreement, Northwest proposes no change to the Rate Schedules

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<sup>2</sup> Northwest Pipeline LLC, Docket No. RP15-42, Letter Order dated October 24, 2014.

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LS-3F or LD-4I Service Agreements liquefaction charge of \$0.90855 during the upcoming April 2022 through March 2023 period.

### **Filings Pending Before the Commission**

In compliance with 18 CFR § 154.204(f), Northwest states that it currently has no other filings pending before the Commission that may significantly impact this filing.

### **Proposed Effective Date and Waiver Request**

Northwest requests that the proposed tariff record submitted herein be made effective April 1, 2022. In accordance with the provisions of Section 154.7(a)(9) of the Commission's regulations, in the event the Commission elects to accept and suspend the tariff record for a minimal period, Northwest moves to place such tariff record into effect at the end of the applicable suspension period.

### **Materials Submitted Herewith**

In accordance with Section 154.7(a)(1) of the Commission's regulations, the following material is submitted herewith:

An eTariff XML filing package, filed as a zip (compressed) file, containing:

- (1) The tariff record in RTF format with metadata attached;
- (2) A transmittal letter in PDF format;
- (3) A clean version of the revised tariff record in PDF format for publishing in eLibrary;
- (4) A marked version of the tariff record in accordance with Section 154.201(a) of the regulations;
- (5) Exhibits A through D and supporting workpapers in PDF format which contain the explanation of the Factor changes and the details regarding the computation of the revised Factors; and
- (6) A copy of the complete filing in PDF format for publishing in eLibrary.

### **Posting and Certification of Service**

In accordance with the provisions of Section 154.2(d) of the regulations, copies of this filing are available for public inspection, during regular business hours, in a convenient form and place at Northwest's main office at 2800 Post Oak Boulevard in Houston, Texas. In addition, Northwest certifies that copies of this filing have been served electronically upon Northwest's customers and upon interested state regulatory commissions.

All communications regarding this filing should be served by e-mail to:

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The undersigned certifies that the contents of this filing are true and correct to the best of her knowledge and belief and she possesses full power and authority to sign this filing.

Respectfully submitted,

**NORTHWEST PIPELINE LLC**

A handwritten signature in blue ink that reads "Bela Patel". The signature is written in a cursive, flowing style.

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Bela Patel  
Manager, Rates & Regulatory

Enclosures

STATEMENT OF FUEL USE REQUIREMENTS FACTORS  
FOR REIMBURSEMENT OF FUEL USE

Applicable to Transportation Service Rendered Under  
Rate Schedules Contained in this Tariff, Fifth Revised Volume No. 1

The rates set forth on Sheet Nos. 5, 6, 7, 8 and 8-A are exclusive of fuel use requirements. Shipper shall reimburse Transporter in-kind for its fuel use requirements in accordance with Section 14 of the General Terms and Conditions contained herein.

The fuel use reimbursement furnished by Shippers shall be as follows for the applicable Rate Schedules included in this Tariff:

Rate Schedules TF-1, TF-2, TI-1, and DEX-1	1.01%
Rate Schedule TF-1 - Evergreen Expansion	
Incremental Surcharge (1)	0.50%
Rate Schedule TFL-1	-
Rate Schedule TIL-1	-
Rate Schedules SGS-2F and SGS-2I	0.32%
Rate Schedules LS-2F, LS-3F and LS-2I	
Liquefaction	0.23%
Vaporization	0.30%
Rate Schedule LD-4I	
Liquefaction	0.23%

The fuel use factors set forth above shall be calculated and adjusted as explained in Section 14 of the General Terms and Conditions. Fuel reimbursement quantities to be supplied by Shippers to Transporter shall be determined by applying the factors set forth above to the quantity of gas nominated for receipt by Transporter from Shipper for transportation, Jackson Prairie injection, Plymouth liquefaction, Plymouth vaporization, or for deferred exchange, as applicable.

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Footnote

(1) In addition to the Rate Schedule TF-1 fuel use requirements factor, the Evergreen Expansion Incremental Surcharge will apply to the quantity of gas nominated for receipt at the Sumas, SIPI or Pacific Pool receipt points under Evergreen Expansion service agreements.

STATEMENT OF FUEL USE REQUIREMENTS FACTORS  
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The fuel use reimbursement furnished by Shippers shall be as follows for the applicable Rate Schedules included in this Tariff:

Rate Schedules TF-1, TF-2, TI-1, and DEX-1	<del>01.0186%</del>
Rate Schedule TF-1 - Evergreen Expansion	
Incremental Surcharge (1)	0.50%
Rate Schedule TFL-1	-
Rate Schedule TIL-1	-
Rate Schedules SGS-2F and SGS-2I	0.32%
Rate Schedules LS-2F, LS-3F and LS-2I	
Liquefaction	0.2325%
Vaporization	0.3029%
Rate Schedule LD-4I	
Liquefaction	0.2325%

The fuel use factors set forth above shall be calculated and adjusted as explained in Section 14 of the General Terms and Conditions. Fuel reimbursement quantities to be supplied by Shippers to Transporter shall be determined by applying the factors set forth above to the quantity of gas nominated for receipt by Transporter from Shipper for transportation, Jackson Prairie injection, Plymouth liquefaction, Plymouth vaporization, or for deferred exchange, as applicable.

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Footnote

(1) In addition to the Rate Schedule TF-1 fuel use requirements factor, the Evergreen Expansion Incremental Surcharge will apply to the quantity of gas nominated for receipt at the Sumas, SIPI or Pacific Pool receipt points under Evergreen Expansion service agreements.

## Northwest Pipeline LLC

Exhibit A  
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## Derivation of Fuel Factors to be Effective April 1, 2022

(Section No. refers to the General Terms and Conditions of Northwest's Tariff)

## Exhibit A

Calculation for Rate Schedules TF-1, TF-2, TI-1, DEX-1

Line No.	Section No.	Description	Dth	Note No.
1	14.12(a)	Average April - September fuel usage during last three seasons	4,217,336	(i)
2	14.12(h)	Projected Evergreen Expansion incremental surcharge reimbursement	(43,621)	(vi)
3	14.12(g)	Cumulative over-recovery of fuel as of Dec. 31, 2021	(96,718)	(ii)
4		Total projected fuel usage	4,076,997	
5	14.12(b)	Average projected lost and unaccounted-for	(308,659)	(iii)
6	14.12(g)	Cumulative over-recovery of L&U as of Dec. 31, 2021	(96,459)	(iv)
7		Total over-recovery projected lost and unaccounted-for gas	(405,118)	
8	14.12(c)	Quantities to be credited by Northwest	0	
9	14.12(e)	Total projected fuel and lost and unaccounted-for gas usage	3,671,879	
10	14.12(d)	Projected transportation receipts	363,623,161	(v)
11	14.12(e)	Factor (line 9 divided by line 10)	1.01%	

Notes to Page 1 of Exhibit A

	Dth
(i) Fuel usage projected as follows:	
Actual April - September 2021 fuel usage	4,424,773
Actual April - September 2020 fuel usage	3,856,100
Actual April - September 2019 fuel usage	4,371,134
Average April - September fuel usage during last three seasons	4,217,336
(ii) Fuel usage true-up adjustment calculated as follows:	
Cumulative over-recovery of fuel as of Jun. 30, 2021 per true-up adj. in Oct. 1, 2021 filing	(1,013,254)
Prior period(s) under/(over)-recovery of fuel adjustment	0
Actual July - December 2021 fuel usage	4,634,843
Total before fuel reimbursements	3,621,589
Actual July - December 2021 fuel reimbursements	
General system reimbursements	3,673,355
Evergreen Expansion incremental surcharge reimbursements	44,952
Total Fuel Reimbursements	3,718,307
Cumulative over-recovery of fuel as of Dec. 31, 2021	(96,718)

Northwest Pipeline LLC  
Derivation of Fuel Factors to be Effective April 1, 2022

Exhibit A  
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Exhibit A (continued)

Calculation for Rate Schedules TF-1, TF-2, TI-1, DEX-1

Notes to Page 1 of Exhibit A (continued)

	Dth
(iii) Lost and unaccounted-for gas projected as follows:	
Twelve months ended December 2021 actual lost and unaccounted-for	(819,180)
Twelve months ended December 2020 actual lost and unaccounted-for	(656,535)
Twelve months ended December 2019 actual lost and unaccounted-for	(376,239)
Average twelve months lost and unaccounted-for gas during last three years	(617,318)
Six month lost and unaccounted-for gas (twelve month average divided by 2)	(308,659)
Out of period adjustments or other forecast adjustments	
Average projected lost and unaccounted-for	(308,659)
(iv) Lost and unaccounted-for gas true-up adjustment determined as follows:	
Cumulative over-recovery of L&U as of Jun. 30, 2021 per true-up adj. in Oct. 1, 2021 filing	(98,442)
Actual July - December 2021 lost and unaccounted-for	(269,317)
Total over-recovery	(367,759)
Less: reimbursements collected between July - Dec 2021 for lost and unaccounted-for gas	(271,300)
Cumulative over-recovery of L&U as of Dec. 31, 2021	(96,459)
(v) Transportation receipt quantities projected as follows:	
Actual April - September 2021 delivered transportation	381,251,680
Actual April - September 2020 delivered transportation	334,684,234
Actual April - September 2019 delivered transportation	363,787,070
Average April - September delivered transportation during last three seasons	359,907,661
Projected April - September 2022 delivered transportation	359,907,661
Projected April - September 2022 fuel and lost and unaccounted-for gas receipts	3,671,879
Projected Evergreen Expansion incremental surcharge reimbursement	43,621
Projected transportation receipts	363,623,161
(vi) Evergreen Expansion incremental surcharge reimbursement projected as follows:	
Actual April - September 2021 delivered transportation	9,116,380
Actual April - September 2020 delivered transportation	8,361,630
Actual April - September 2019 delivered transportation	8,299,328
Average April - September delivered transportation during last three seasons	8,592,446
Projected April - September 2022 delivered transportation	8,592,446
Projected April - September 2022 fuel and lost and unaccounted-for gas receipts using a factor of 1.01% plus 0.50% incremental surcharge	131,735
Projected April - September 2022 receipts for Evergreen Expansion shippers	8,724,181
Evergreen Expansion incremental surcharge	0.50%
Projected Evergreen Expansion incremental surcharge reimbursement	43,621



Exhibit B

Calculation for Rate Schedules SGS-2F and SGS-2I

Line No.	Section No.	Description	Dth	Note No.
1	14.12(a)	Average projected fuel usage during last three years	53,609	(i)
2	14.12(g)	Cumulative under-recovery of fuel as of Dec. 31, 2021	13,686	(ii)
3		Total projected fuel usage	67,295	
4	14.12(b)	Projected lost and unaccounted-for	0	
5	14.12(g)	Lost and unaccounted-for gas true-up adjustment	0	
6		Total projected lost and unaccounted-for gas	0	
7	14.12(f)	Total projected fuel and lost and unaccounted-for gas	67,295	
8	14.12(d)	Total projected nominated injections	21,180,409	(iii)
9	14.12(f)	Factor (line 7 divided by line 8)	0.32%	

Notes to Exhibit B

(i) Fuel usage projected as follows:

	Dth
Actual 2021 fuel usage	54,269
Actual 2020 fuel usage	61,166
Actual 2019 fuel usage	45,393
Average projected fuel usage during last three years	53,609

(ii) Fuel usage true-up adjustment calculated as follows:

Cumulative under-recovery of fuel as of Dec. 31, 2020 per true-up adj. in Apr. 1, 2021 filing	16,069
Actual January - December 2021 fuel usage	54,269
Total before fuel reimbursements under-recovered	70,338
Less: reimbursements collected January - December 2021	56,652
Cumulative under-recovery of fuel as of Dec. 31, 2021	13,686

(iii) Nominated injections projected as follows:

Actual 2021 nominated injections	20,787,821
Actual 2020 nominated injections	19,127,126
Actual 2019 nominated injections	23,424,393
Average nominated injections during last three years	21,113,113
Projected 2022 nominated injections	21,113,113
Projected 2022 fuel and lost and unaccounted-for gas under-recovered	67,295
Total projected nominated injections	21,180,409

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Derivation of Fuel Factors to be Effective April 1, 2022

Exhibit C  
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Exhibit C

Calculation for Rate Schedules LS-2F, LS-3F, LS-2I and LD-4I - Liquefaction Factor

Line No.	Section No.	Description	Dth	Note No.
1	14.12(a)	Projected fuel usage	6,223	(i)
2	14.12(g)	Fuel usage true-up adjustment Exhibit C	3,546	(ii)
3		Total projected fuel usage	9,769	
4	14.12(b)	Average projected lost and unaccounted-for gas	521	(iii)
5	14.12(g)	Cumulative over-recovery of L&U as of Dec. 31, 2021 Exhibit C	(8,522)	(iv)
6		Total projected lost and unaccounted-for gas over-recovered	(8,001)	
		Total under-recovery as of Dec 31, 2021	1,768	
8	14.12(d)	Total projected liquefaction nominations	784,474	(v)
9	14.12(f)	Fuel Factor	0.23%	

Notes to Exhibit C

	Dth
(i) Actual 2021 Plymouth LNG fuel usage	3,165
Actual 2020 Plymouth LNG fuel usage	6,748
Actual 2019 Plymouth LNG fuel usage	8,756
Average fuel usage during last three years	6,223
(ii) Fuel usage true-up balance calculated as follows:	
Cumulative under-recovery of fuel as of Dec. 31, 2020 per true-up adj. in April 1, 2021 filing	2,035
Actual January - December 2021 fuel usage	3,165
Total before fuel reimbursements under-recovery	5,200
Less: Actual January - December 2021 fuel reimbursements	1,654
Cumulative under-recovery of fuel as of Dec. 31, 2021	3,546
(iii) Lost and unaccounted-for gas projected as follows:	
Twelve months ended Dec. 2021 actual lost and unaccounted-for	31
Twelve months ended Dec. 2020 actual lost and unaccounted-for	1,173
Twelve months ended Dec. 2019 actual lost and unaccounted-for	360
Average projected lost and unaccounted-for gas	521
(iv) Lost and unaccounted-for gas true-up balance calculated as follows:	
Cumulative over-recovery of L&U as of Dec. 31, 2020 per true-up adj. in Apr. 1, 2021 filing	(6,899)
Actual January - December 2021 lost and unaccounted-for	31
Total before lost and unaccounted-for reimbursements	(6,868)
Less: reimbursements collected between Jan - Dec. 2021 lost and unaccounted-for gas	1,654
Cumulative over-recovery of L&U as of Dec. 31, 2021	(8,522)
(v) Nominated injections projected as follows:	
2021 Nominated Injections	883,689
2020 Nominated Injections	702,303
2019 Nominated Injections	2,209,862
Projected 2022 nominated injections averaging last two years	792,996
Projected 2022 nominated injections	792,996
Projected 2022 fuel and lost and unaccounted-for gas over-recovered	(8,522)
Total projected liquefaction nominations	784,474

## Northwest Pipeline LLC

Exhibit D  
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## Derivation of Fuel Factors to be Effective April 1, 2022

## Exhibit D

Calculation for Rate Schedules LS-2F, LS-3F and LS-2I - Vaporization Factor

Line No.	Section No.	Description	Dth	Note No.
1	14.12(a)	Fuel usage projected	126	(i)
2	14.12(g)	Fuel usage true-up adjustment Exhibit D	2,282	(ii)
3		Total projected fuel usage	2,408	
4	14.12(b)	Average projected lost and unaccounted-for gas	521	(iii)
5	14.12(g)	Cumulative over-recovery of L&U as of Dec. 31, 2021	(476)	(v)
6		Total projected lost and unaccounted-for gas under-recovered	45	
5	14.12(f)	Projected fuel and lost and unaccounted-for gas (gain)	2,453	(iv)
7	14.12(d)	Projected Plymouth LNG nominated vaporizations	813,851	(iv)
	14.12(f)	Fuel Factor	0.30%	

Notes to Exhibit D

	Dth
(i) Actual 2021 fuel usage	234
Actual 2020 fuel usage	17
Average vaporization fuel for last 2 years	126
Fuel Usage Projected	126
(ii) Fuel usage true-up balance calculated as follows:	
Cumulative under-recovery of fuel as of Dec. 31, 2020 per true-up adj. in April 1, 2021 filing	2,386
Actual January - December 2021 Plymouth LNG fuel usage	234
Total before fuel reimbursements under-recovery	2,620
Less: Actual January - December 2021 fuel reimbursements	338
Cumulative under-recovery of fuel as of Dec. 31, 2021	2,282
(iii) Lost and unaccounted-for gas projected as follows:	
Twelve months ended Dec. 2021 actual lost and unaccounted-for	31
Twelve months ended Dec. 2020 actual lost and unaccounted-for	1,173
Twelve months ended Dec. 2019 actual lost and unaccounted-for	360
Average projected lost and unaccounted-for gas	521
(iv) Nominated vaporization projected as follows:	
Actual 2021 nominated vaporization	485,472
Actual 2020 nominated vaporization	247,517
Actual 2019 nominated vaporization	1,708,563
Average nominated vaporizations	813,851
(v) Lost and unaccounted-for gas true-up balance calculated as follows:	
Cumulative under-recovery of L&U as of Dec. 31, 2020 per true-up adj. in Apr. 1, 2021 filing	169
Actual January - December 2021 lost and unaccounted-for	31
Total before lost and unaccounted-for reimbursements	200
Less: reimbursements collected between July - Dec. 2021 lost and unaccounted-for gas	676
Cumulative over-recovery of L&U as of Dec. 31, 2021	(476)

Northwest Pipeline LLC

Detail of 2021 Actuals Used to Derive Fuel Factors to be Effective April 1, 2022

(Dth)

Month	Transportation					
	Fuel Usage	Delivered Transportation	Lost and Unaccounted	Increase in Volumes	Reimbursements System-Wide	Reimbursements Surcharge
Jul-21	628,204	62,971,071	(36,788)	0	553,197	8,971
Aug-21	701,401	61,737,720	14,975	0	552,120	7,170
Sep-21	710,023	57,720,495	(128,639)	0	541,420	9,640
	<u>2,039,628</u>	<u>182,429,286</u>	<u>(150,452)</u>	<u>0</u>	<u>1,646,737</u>	<u>25,781</u>
Oct-21	672,945	69,489,244	(11,778)	0	506,735	9,154
Nov-21	952,162	74,661,679	(97,391)	0	601,971	5,906
Dec-21	970,108	94,987,441	(9,696)	0	646,612	4,111
	<u>2,595,215</u>	<u>239,138,364</u>	<u>(118,865)</u>	<u>0</u>	<u>1,755,318</u>	<u>19,171</u>
Total	<u>4,634,843</u>	<u>421,567,650</u>	<u>(269,317)</u>	<u>0</u>	<u>3,402,055</u>	<u>44,952</u>

Reference:

Exhibit A Page 1 Note (ii)	Exhibit A Page 2 Note (iv)	Exhibit A Page 1 Line 8
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Storage

Month	Jackson Prairie			Plymouth LNG						
	Usage	Reimbursements	Injections	Usage-Liq	Reimburse-Liq	Nom'd Inj's	L&U	Usage Vap	Reimb-Vap	Nom'd Wd
Jan-21	2,388	2,985	1,502,488	178	0	0	0	0	0	0
Feb-21	3,892	2,340	1,173,966	167	69	27,799	0	0	0	0
Mar-21	14,323	5,202	2,589,289	168	0	0	0	234	676	485,472
Apr-21	15,362	6,153	3,069,002	226	13	4,989	3	0	0	0
May-21	4,526	4,876	1,517,926	133	406	162,378	37	0	0	0
Jun-21	1,470	17,672	5,503,350	254	462	189,445	0	0	0	0
Jul-21	2,392	3,737	1,163,429	13	409	163,615	0	0	0	0
Aug-21	2,022	2,239	697,457	7	426	170,486	0	0	0	0
Sep-21	1,084	3,211	1,003,039	17	0	0	0	0	0	0
Oct-21	1,395	2,475	771,590	54	122	48,583	0	0	0	0
Nov-21	2,245	2,246	698,217	1,914	292	116,394	0	0	0	0
Dec-21	3,170	3,516	1,098,068	34	1,109	0	85	0	0	0
	<u>54,269</u>	<u>56,652</u>	<u>20,787,821</u>	<u>3,165</u>	<u>3,308</u>	<u>883,689</u>	<u>125</u>	<u>234</u>	<u>676</u>	<u>485,472</u>

Reference:

Exhibit B Note (ii)	Exhibit B Note (ii)	Exhibit B Note (iii)	Exhibit C Note (i)	Exhibit C Note (iv)	Exh. C (50%) Exh. D (50%)
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Northwest Pipeline LLC

Detail of 2021 Actuals Used to Derive Fuel Factors to be Effective April 1, 2022

(Dth)

Allocation of July - December 2021 Transportation Reimbursements

July - September 2021 reimbursements allocated between fuel usage and lost and unaccounted-for gas based on projections and true-ups included in the April 1, 2021 Factor calculation:

<u>Allocation of Projections and True-ups:</u>		
Projected fuel usage	3,396,841	107.18%
Projected lost and unaccounted-for gas	<u>(227,428)</u>	<u>-7.18%</u>
Total projections (includes true-ups)	<u>3,169,413</u>	<u>100.00%</u>

<u>Allocation of Reimbursements to:</u>			
	Lost and		
	Fuel	Unaccounted	Total
Actual Reimbursements			1,646,737
Allocated percentage	<u>107.18%</u>	<u>-7.18%</u>	<u>100.00%</u>
Allocated reimbursements	<u>1,764,973</u>	<u>(118,236)</u>	<u>1,646,737</u>

October - December 2021 reimbursements allocated between fuel usage and lost and unaccounted-for gas based on projections and true-ups included in the October 1, 2021 Factor calculation:

<u>Allocation of Projections and True-ups:</u>		
Projected fuel usage	4,492,795	108.72%
Projected lost and unaccounted-for gas	<u>(360,372)</u>	<u>-8.72%</u>
Total projections (includes true-ups)	<u>4,132,423</u>	<u>100.00%</u>

<u>Allocation of Reimbursements to:</u>			
	Lost and		
	Fuel	Unaccounted	Total
Actual Reimbursements			1,755,318
Allocated percentage	<u>108.72%</u>	<u>-8.72%</u>	<u>100.00%</u>
Allocated reimbursements	<u>1,908,382</u>	<u>(153,064)</u>	<u>1,755,318</u>

Total July - December 2021 Allocated Transportation Reimbursements

	<u>Allocation of Reimbursements to:</u>		
	Fuel	Lost and Unaccounted	Total
July - September 2021	<u>1,764,973</u>	<u>(118,236)</u>	1,646,737
October - December 2021	<u>1,908,382</u>	<u>(153,064)</u>	1,755,318
	<u>3,673,355</u>	<u>(271,300)</u>	<u>3,402,055</u>

Reference:

Exhibit A	Exhibit A
Page 1	Page 2
Note (ii)	Note (iv)

Northwest Pipeline LLC

Detail of 2021 Actuals Used to Derive Fuel Factors to be Effective April 1, 2022

(Dth)

Allocation of January - December 2021 Liquefaction Reimbursements

January - December 2021 reimbursements allocated between fuel usage and lost and unaccounted-for gas based on projections and true-ups (Exhibit C & D netted) included in the April 1, 2021 Factor calculation:

Allocation of Projections and True-ups:

Projected fuel usage	4,421	-191.47%
Projected lost and unaccounted-for gas	<u>(6,730)</u>	<u>291.47%</u>
Total projections (includes true-ups)	<u><u>(2,309)</u></u>	<u><u>100.00%</u></u>

Allocation of Reimbursements to:

	<u>Fuel</u>	<u>Lost and Unaccounted</u>	<u>Total</u>
Actual Reimbursements			3,984
Allocated percentage	<u>-191.47%</u>	<u>291.47%</u>	<u>100.00%</u>
Allocated reimbursements	<u><u>(7,628)</u></u>	<u><u>11,612</u></u>	<u><u>3,984</u></u>

Reference:

Exhibit C	Exhibit C
Page 1	Page 1
Note (i)	Note (iii)

Northwest Pipeline LLC  
Detail of 2019-2021 Actuals Used to Derive Fuel Factors to be Effective April 1, 2022

(Dth)

Monthly Detail of Historical Transportation Actuals Used to Derive Forecast

<u>Month</u>	<u>Transportation</u>			<u>Delivered</u>
	<u>Fuel Usage</u>	<u>Delivered Transportation</u>	<u>Lost and Unaccounted</u>	<u>Evergreen 25 Markets</u>
Jan-21			(1,700)	
Feb-21			(116,615)	
Mar-21			(177,225)	
Apr-21	874,545	69,678,373	(77,466)	1,958,299
May-21	787,061	66,066,873	694	661,808
Jun-21	723,539	63,077,148	(177,551)	1,374,902
Jul-21	628,204	62,971,071	(36,788)	1,414,354
Aug-21	701,401	61,737,720	14,975	1,901,589
Sep-21	710,023	57,720,495	(128,639)	1,805,428
Oct-21			(11,778)	
Nov-21			(97,391)	
Dec-21			(9,696)	
	<u>4,424,773</u>	<u>381,251,680</u>	<u>(819,180)</u>	<u>9,116,380</u>
Jan-20			(46,283)	
Feb-20			(78,738)	
Mar-20			(123,319)	
Apr-20	1,164,991	64,391,606	(91,630)	1,537,021
May-20	955,840	55,684,955	(135,574)	1,290,043
Jun-20	481,479	49,731,135	(20,280)	629,989
Jul-20	356,207	46,368,540	(43,962)	1,329,986
Aug-20	356,825	58,614,231	(32,995)	1,662,930
Sep-20	540,758	59,893,767	63,718	1,911,661
Oct-20			(30,105)	
Nov-20			(32,194)	
Dec-20			(85,173)	
	<u>3,856,100</u>	<u>334,684,234</u>	<u>(656,535)</u>	<u>8,361,630</u>
Jan-19			135,949	
Feb-19			(103,247)	
Mar-19			(103,691)	
Apr-19	1,163,575	61,924,498	(34,095)	482,940
May-19	729,104	62,182,621	(16,125)	450,155
Jun-19	712,400	60,492,385	115,981	895,052
Jul-19	532,474	59,489,595	(77,194)	2,229,191
Aug-19	640,129	58,444,845	29,137	2,357,639
Sep-19	593,452	61,253,126	63,349	1,884,351
Oct-19			(81,777)	
Nov-19			(5,723)	
Dec-19			(298,803)	
	<u>4,371,134</u>	<u>363,787,070</u>	<u>(376,239)</u>	<u>8,299,328</u>

Reference:

Exhibit A	Exhibit A	Exhibit A
Page 1	Page 2	Page 2
Note (i)	Note (v)	Note (vi)