



**NORTHWEST PIPELINE LLC**  
2800 Post Oak Boulevard (77056)  
P.O. Box 1396  
Houston, Texas 77251-1396  
713-215-2000

February 25, 2021

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

Attention: Ms. Kimberly D. Bose, Secretary

Re: Northwest Pipeline LLC  
2021 Summer Fuel Filing  
Docket No. RP21-\_\_\_

Dear Ms. Bose:

Pursuant to Part 154 of the regulations of the Federal Energy Regulatory Commission (“Commission” or “FERC”), Northwest Pipeline LLC (“Northwest”) tenders for filing and acceptance the following tariff record as part of its FERC Gas Tariff (“Tariff”), Fifth Revised Volume No. 1:

Twenty-Eighth Revised Sheet No. 14

The proposed effective date of the tariff record is April 1, 2021.

**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) a decrease from 0.88% to 0.87% in the Factor for Northwest's transportation services under Rate Schedules TF-1<sup>1</sup>, TF-2, TI-1 and DEX-1; (2) an increase from 0.20% to 0.32% in the Factor for Northwest's underground storage services under Rate Schedules SGS-2F and SGS-2I; (3) no change to the 0.25% 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 0.14% to 0.29% 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 a decrease from 0.88% to 0.87% for the Factor to be used during the upcoming April 2021 through September 2021 period for transportation services under Rate Schedules TF-1, TF-2, TI-1 and DEX-1. The proposed 0.87% 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 an increase from 0.20% to 0.32% for the Factor to be used during the upcoming April 2021 through March 2022 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 no change to the liquefaction Factor of 0.25% to be used during the upcoming April 2021 through March 2022 period for storage service at the Plymouth LNG facility under Rate Schedules LS-2F, LS-3F, LS-2I and LD-4I. Due to uncommon results using our prior methodology, Northwest and Shippers holding storage capacity at the Plymouth LNG facility have agreed to use a stated 0.25% Factor for the upcoming period.<sup>2</sup> Northwest has included the cumulative balances for fuel usage and L&U for informational purposes in calculating future Factors. Any under/over recoveries of liquefaction fuel usage will be trued up in next year's filing.

Northwest proposes to change the 0.14% vaporization Factor to 0.29% during the upcoming April 2021 through March 2022 period for storage service at the Plymouth LNG facility under Rate Schedules LS-2F, LS-3F, and LS-2I.

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<sup>2</sup> Shippers currently holding storage capacity at the Plymouth LNG Facility include: Cascade Natural Gas Corporation, Intermountain Gas Company, City of Ellensburg, and Puget Sound Energy, Inc.

### **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>3</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 LS-3F or LD-4I Service Agreements liquefaction charge of \$0.90855 during the upcoming April 2021 through March 2022 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 hereby moves that the tariff record be made effective April 1, 2021, or at the end of any suspension period which may be imposed by the Commission. Also, Northwest requests that the Commission grant any other waivers it may deem necessary for the acceptance of this filing.

### **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 revised 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.

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<sup>3</sup> Northwest Pipeline LLC, Docket No. RP15-42, Letter Order dated October 24, 2014.

Ms. Kimberly D. Bose  
February 25, 2021  
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All communications regarding this filing should be served by e-mail to:

Bela Patel  
Manager, Rates & Regulatory  
(713) 215-2659  
Northwest Pipeline LLC  
P.O. Box 1396  
Houston, Texas 77251-1396  
bela.patel@williams.com

Bruce Reemsnyder  
Senior Counsel  
(801) 584-6742  
Northwest Pipeline LLC  
P.O. Box 58900  
Salt Lake City, Utah 84158-0900  
bruce.reemsnyder@williams.com

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**



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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	0.87%
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	0.25%
Vaporization	0.29%
Rate Schedule LD-4I	
Liquefaction	0.25%

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	0. <del>8788</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. <del>3220</del> %
Rate Schedules LS-2F, LS-3F and LS-2I	
Liquefaction	0.25%
Vaporization	0. <del>2914</del> %
Rate Schedule LD-4I	
Liquefaction	0.25%

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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Northwest Pipeline LLC

Derivation of Fuel Factors to be Effective April 1, 2021

(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	4,468,412	(i)
2	14.12(h)	Projected Evergreen Expansion incremental surcharge reimbursement	(42,591)	(vi)
3	14.12(g)	Cumulative under/(over) recovery of fuel as of Dec. 31, 2020	<u>(1,028,980)</u>	(ii)
4		Total projected fuel usage	3,396,841	
5	14.12(b)	Average projected lost and unaccounted-for	(133,402)	(iii)
6	14.12(g)	Cumulative under/(over) recovery of L&U as of Dec. 31, 2020	<u>(94,026)</u>	(iv)
7		Total under/(over) recovery projected lost and unaccounted-for gas	(227,428)	
8	14.12(c)	Quantities to be credited by Northwest	<u>0</u>	
9	14.12(e)	Total projected fuel and lost and unaccounted-for gas usage	<u>3,169,413</u>	
10	14.12(d)	Projected transportation receipts	<u>363,217,160</u>	(v)
11	14.12(e)	Factor (line 9 divided by line 10)	<u>0.87%</u>	

Notes to Exhibit A

	Dth
(i) Fuel usage projected as follows:	
Actual April - September 2020 fuel usage	3,856,100
Actual April - September 2019 fuel usage	4,371,134
Actual April - September 2018 fuel usage	<u>5,178,002</u>
Average April - September fuel usage during last three seasons	<u>4,468,412</u>
(ii) Fuel usage true-up adjustment calculated as follows:	
Cumulative under/(over) recovery of fuel as of Jun. 30, 2020 per true-up adj. in Oct. 1, 2020 filing	(609,036)
Prior period(s) under/(over) recovery of fuel adjustment	0
Actual July - December 2020 fuel usage	<u>3,536,470</u>
Total before fuel reimbursements	<u>2,927,434</u>
Actual July - December 2020 fuel reimbursements	
General system reimbursements	3,912,061
Evergreen Expansion incremental surcharge reimbursements	<u>44,353</u>
Total Fuel Reimbursements	<u>3,956,414</u>
Cumulative under/(over) recovery of fuel as of Dec. 31, 2020	<u>(1,028,980)</u>

Northwest Pipeline LLC

Derivation of Fuel Factors to be Effective April 1, 2021

Exhibit A (continued)

Calculation for Rate Schedules TF-1, TF-2, TI-1, DEX-1 (continued)

Notes to Exhibit A (continued)

	<u>Dth</u>
(iii) Lost and unaccounted-for gas projected as follows:	
Twelve months ended December 2020 actual lost and unaccounted-for	(656,535)
Twelve months ended December 2019 actual lost and unaccounted-for	(376,239)
Twelve months ended December 2018 actual lost and unaccounted-for	<u>232,360</u>
Average twelve months lost and unaccounted-for gas during last three years	<u>(266,805)</u>
Six month lost and unaccounted-for gas (twelve month average divided by 2)	(133,402)
Out of period adjustments or other forecast adjustments	
Average projected lost and unaccounted-for	<u>(133,402)</u>
(iv) Lost and unaccounted-for gas true-up adjustment determined as follows:	
Cumulative under/(over) recovery of L&U as of Jun. 30, 2020 per true-up adj. in Oct. 1, 2020 filing	(594,291)
Actual July - December 2020 lost and unaccounted-for	<u>(160,711)</u>
Total under/(over) recovery	(755,002)
Less: reimbursements collected between July - Dec 2020 for lost and unaccounted-for gas	<u>(660,976)</u>
Cumulative under/(over) recovery of L&U as of Dec. 31, 2020	<u>(94,026)</u>
(v) Transportation receipt quantities projected as follows:	
Actual April - September 2020 delivered transportation	334,684,234
Actual April - September 2019 delivered transportation	363,787,070
Actual April - September 2018 delivered transportation	<u>381,544,166</u>
Average April - September delivered transportation during last three seasons	<u>360,005,157</u>
Projected April - September 2021 delivered transportation	360,005,157
Projected April - September 2021 fuel and lost and unaccounted-for gas receipts	3,169,413
Projected Evergreen Expansion incremental surcharge reimbursement	42,591
Projected transportation receipts	<u>363,217,160</u>
(vi) Evergreen Expansion incremental surcharge reimbursement projected as follows:	
Actual April - September 2020 delivered transportation	8,361,630
Actual April - September 2019 delivered transportation	8,299,328
Actual April - September 2018 delivered transportation	<u>8,543,621</u>
Average April - September delivered transportation during last three seasons	<u>8,401,526</u>
Projected April - September 2021 delivered transportation	8,401,526
Projected April - September 2021 fuel and lost and unaccounted-for gas receipts using a factor of 0.87% plus 0.50% incremental surcharge	<u>116,700</u>
Projected April - September 2021 receipts for Evergreen Expansion shippers	8,518,226
Evergreen Expansion incremental surcharge	<u>0.50%</u>
Projected Evergreen Expansion incremental surcharge reimbursement	<u>42,591</u>



## Northwest Pipeline LLC

Derivation of Fuel Factors to be Effective April 1, 2021

## 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	50,031	(i)
2	14.12(g)	Cumulative under-recovery of fuel as of Dec. 31, 2020	16,069	(ii)
3		Total projected fuel usage	66,100	
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	66,100	
8	14.12(d)	Total projected nominated injections	20,347,605	(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 2020 fuel usage	61,166
Actual 2019 fuel usage	45,393
Actual 2018 fuel usage	43,534
Average projected fuel usage during last three years	50,031

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

Cumulative under/(over) recovery of fuel as of Dec. 31, 2019 per true-up adj. in Apr. 1, 2020 filing	(4,160)
Actual January - December 2020 fuel usage	61,166
Total before fuel reimbursements under-recovered	57,006
Less: reimbursements collected January - December 2020	40,937
Cumulative under/(over) recovery of fuel as of Dec. 31, 2020	16,069

## (iii) Nominated injections projected as follows:

Actual 2020 nominated injections	19,127,126
Actual 2019 nominated injections	23,424,393
Actual 2018 nominated injections	18,292,995
Average nominated injections during last three years	20,281,505
Projected 2021 nominated injections	20,281,505
Projected 2021 fuel and lost and unaccounted-for gas under/(over) recovered	66,100
Total projected nominated injections	20,347,605

Northwest Pipeline LLC  
Derivation of Fuel Factors to be Effective April 1, 2021  
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(f)	Fuel Factor	0.25%	(1)

Notes to Exhibit C

(i) Fuel usage true-up balance calculated as follows:

Cumulative under/(over) recovery of fuel as of Dec. 31, 2019 per true-up adj. in April 1, 2020 filing	(3,245)
Actual January - December 2020 fuel usage	6,748
Total before fuel reimbursements under/(over) recovery	3,503
Less: Actual January - December 2020 fuel reimbursements	1,468
Cumulative under/(over) recovery of fuel as of Dec. 31, 2020	2,035

(ii) Lost and unaccounted-for gas projected as follows:

Twelve months ended Dec. 2019 actual lost and unaccounted-for	1,173
Twelve months ended Dec. 2018 actual lost and unaccounted-for	360
Twelve months ended Dec. 2017 actual lost and unaccounted-for	166
Average projected lost and unaccounted-for gas	566

(iii) Lost and unaccounted-for gas true-up balance calculated as follows:

Cumulative under/(over) recovery of L&U as of Dec. 31, 2019 per true-up adj. in Apr. 1, 2020 filing	(2,792)
Actual January - December 2020 lost and unaccounted-for	1,173
Total before lost and unaccounted-for reimbursements	(1,620)
Less: reimbursements collected between Jan - Dec. 2020 lost and unaccounted-for gas	5,280
Cumulative under/(over) recovery of L&U as of Dec. 31, 2020	(6,899)

(1) Northwest has included the cumulative balances for fuel usage and lost and unaccounted for gas for informational purposes in calculating future Factors. Any under/over recoveries of liquefaction or vaporization fuel usage will be trueed up in next year's filing.

## Northwest Pipeline LLC

## Derivation of Fuel Factors to be Effective April 1, 2021

## 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	N/A	
1	14.12(g)	Fuel usage true-up adjustment Exhibit D	2,386	(i)
2		Total projected fuel usage	2,386	
2	14.12(b)	Average projected lost and unaccounted-for gas	566	(ii)
3	14.12(g)	Cumulative under/(over) recovery of L&U as of Dec. 31, 2020	169	(iii)
4		Total projected lost and unaccounted-for gas under/(over) recovered	735	
5	14.12(f)	Projected fuel and lost and unaccounted-for gas (gain)	N/A	(iv)
6	14.12(d)	Projected Plymouth LNG nominated vaporizations	1,086,056	
	14.12(f)	Factor	0.29%	

Notes to Exhibit D

	Dth
Actual 2020 fuel usage	17
Actual 2019 fuel usage	12,542
Actual 2018 fuel usage	220
Average vaporization fuel for last 3 years	4,260
Fuel Usage Projected	0

## (i) Fuel usage true-up balance calculated as follows:

Cumulative under/(over) recovery of fuel as of Dec. 31, 2019 per true-up adj. in April 1, 2020 filing	2,373
Actual January - December 2020 Plymouth LNG fuel usage	17
Total before fuel reimbursements under/(over) recovery	2,390
Less: Actual January - December 2020 fuel reimbursements	4
Cumulative under/(over) recovery of fuel as of Dec. 31, 2020	2,386

## (ii) Lost and unaccounted-for gas projected as follows:

Twelve months ended Dec. 2020 actual lost and unaccounted-for	1,173
Twelve months ended Dec. 2019 actual lost and unaccounted-for	360
Twelve months ended Dec. 2018 actual lost and unaccounted-for	166
Average projected lost and unaccounted-for gas	566

## (iii) Lost and unaccounted-for gas true-up balance calculated as follows:

Cumulative under/(over) recovery of L&U as of Dec. 31, 2019 per true-up adj. in Apr. 1, 2020 filing	(990)
Actual January - December 2020 lost and unaccounted-for	1,173
Total before lost and unaccounted-for reimbursements	183
Less: reimbursements collected between July - Dec. 2020 lost and unaccounted-for gas	13
Cumulative under/(over) recovery of L&U as of Dec. 31, 2020	169

Northwest Pipeline LLC

Detail of 2020 Actuals Used to Derive Fuel Factors to be Effective April 1, 2021

(Dth)

Month	Transportation					
	Fuel Usage	Delivered Transportation	Lost and Unaccounted	Increase in Volumes	Reimbursements System-Wide	Reimbursements Surcharge
Jul-20	356,207	46,368,540	(43,962)	0	454,349	3,196
Aug-20	356,825	58,614,231	(32,995)	0	425,558	6,745
Sep-20	540,758	59,893,767	63,718	0	536,994	8,433
	<u>1,253,790</u>	<u>164,876,538</u>	<u>(13,239)</u>	<u>0</u>	<u>1,416,901</u>	<u>18,374</u>
Oct-20	547,395	66,086,430	(30,105)	0	549,883	9,696
Nov-20	617,275	78,765,261	(32,194)	0	585,954	10,109
Dec-20	1,118,010	88,403,944	(85,173)	0	698,347	6,174
	<u>2,282,680</u>	<u>233,255,635</u>	<u>(147,472)</u>	<u>0</u>	<u>1,834,184</u>	<u>25,979</u>
Total	<u>3,536,470</u>	<u>398,132,173</u>	<u>(160,711)</u>	<u>0</u>	<u>3,251,085</u>	<u>44,353</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-20	2,736	4,017	1,661,833	577	0	0	0	0	0	0
Feb-20	20,827	5,622	2,335,843	453	411	0	0	17	0	77,517
Mar-20	17,232	4,312	1,787,860	234	0	0	0	0	0	0
Apr-20	2,899	1,586	662,070	195	901	0	3	0	0	170,000
May-20	1,691	5,178	2,580,661	89	380	151,593	0	0	0	0
Jun-20	1,776	6,724	3,360,153	212	84	33,608	0	0	0	0
Jul-20	3,122	1,453	724,932	8	152	60,845	0	0	0	0
Aug-20	898	713	355,502	13	450	182,879	0	0	0	0
Sep-20	1,607	2,048	1,021,464	9	0	0	0	0	0	0
Oct-20	1,937	1,954	973,588	180	140	55,356	63	0	0	0
Nov-20	3,555	1,807	902,526	2,733	549	218,022	2,279	0	0	0
Dec-20	2,886	5,523	2,760,694	2,045	0	0	0	0	0	0
	<u>61,166</u>	<u>40,937</u>	<u>19,127,126</u>	<u>6,748</u>	<u>3,067</u>	<u>702,303</u>	<u>2,345</u>	<u>17</u>	<u>0</u>	<u>247,517</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 2020 Actuals Used to Derive Fuel Factors to be Effective April 1, 2021

(Dth)

Allocation of July - December 2020 Transportation Reimbursements

July - September 2020 reimbursements allocated between fuel usage and lost and unaccounted-for gas based on projections and true-ups included in the April 1, 2020 Factor calculation:

<u>Allocation of Projections and True-ups:</u>		
Projected fuel usage	4,005,012	123.18%
Projected lost and unaccounted-for gas	<u>(753,633)</u>	<u>-23.18%</u>
Total projections (includes true-ups)	<u>3,251,379</u>	<u>100.00%</u>

<u>Allocation of Reimbursements to:</u>			
	Lost and		
	Fuel	Unaccounted	Total
Actual Reimbursements			1,416,901
Allocated percentage	<u>123.18%</u>	<u>-23.18%</u>	<u>100.00%</u>
Allocated reimbursements	<u>1,745,339</u>	<u>(328,438)</u>	<u>1,416,901</u>

October - December 2020 reimbursements allocated between fuel usage and lost and unaccounted-for gas based on projections and true-ups included in the October 1, 2020 Factor calculation:

<u>Allocation of Projections and True-ups:</u>		
Projected fuel usage	4,825,616	118.13%
Projected lost and unaccounted-for gas	<u>(740,594)</u>	<u>-18.13%</u>
Total projections (includes true-ups)	<u>4,085,022</u>	<u>100.00%</u>

<u>Allocation of Reimbursements to:</u>			
	Lost and		
	Fuel	Unaccounted	Total
Actual Reimbursements			1,834,184
Allocated percentage	<u>118.13%</u>	<u>-18.13%</u>	<u>100.00%</u>
Allocated reimbursements	<u>2,166,722</u>	<u>(332,538)</u>	<u>1,834,184</u>

Total July - December 2020 Allocated Transportation Reimbursements

	<u>Allocation of Reimbursements to:</u>		
	Fuel	Lost and Unaccounted	Total
July - September 2020	<u>1,745,339</u>	<u>(328,438)</u>	1,416,901
October - December 2020	<u>2,166,722</u>	<u>(332,538)</u>	1,834,184
	<u>3,912,061</u>	<u>(660,976)</u>	<u>3,251,085</u>

Reference:

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

Northwest Pipeline LLC

Detail of 2020 Actuals Used to Derive Fuel Factors to be Effective April 1, 2021

(Dth)

Allocation of January - December 2020 Liquefaction Reimbursements

January - December 2020 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, 2020 Factor calculation:

Allocation of Projections and True-ups:

Projected fuel usage	(1,052)	21.76%
Projected lost and unaccounted-for gas	<u>(3,782)</u>	<u>78.24%</u>
Total projections (includes true-ups)	<u><u>(4,834)</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			3,067
Allocated percentage	<u>21.76%</u>	<u>78.24%</u>	<u>100.00%</u>
Allocated reimbursements	<u><u>667</u></u>	<u><u>2,400</u></u>	<u><u>3,067</u></u>

Reference:

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

Northwest Pipeline LLC  
Detail of 2018-2020 Actuals Used to Derive Fuel Factors to be Effective April 1, 2021

(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-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>
Jan-18			96,310	
Feb-18			(54,158)	
Mar-18			(31,132)	
Apr-18	811,472	60,840,756	67,883	309,769
May-18	782,339	61,714,141	20,914	741,483
Jun-18	915,707	65,580,557	121,486	1,320,239
Jul-18	909,326	66,313,757	(8,894)	2,059,557
Aug-18	1,019,995	64,897,831	(8,227)	2,233,298
Sep-18	739,163	62,197,124	(116,752)	1,879,275
Oct-18			193,100	
Nov-18			83,537	
Dec-18			(131,707)	
	<u>5,178,002</u>	<u>381,544,166</u>	<u>232,360</u>	<u>8,543,621</u>

Reference:

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