

AVISTA UTILITIES

2019 Washington PGA Filing

ATTACHMENT “D”

Pipeline Tariffs

August 22, 2019

AVISTA CORPORATION					
Index of Customer Rates					
6/12/2019					
PIPELINE	TARIFF	MILEAGE RATE	NON MILEAGE RATE	NOTES	LINK
GTNW	FTS-1	\$ 0.000391	\$ 0.030954	\$/Dth/day	http://www.tcplus.com/GTN/Tariff/CurrEffRates
GTNW	FTS-1 E-1	\$ 0.002483	\$ 0.004177	\$/Dth/day	
NWPL	TF-1		\$ 0.39033	\$/Dth/day	http://www.northwest.williams.com/NWP_Portal/extLoc.action?Loc=FilesNorthwesttariff&File=tariff_StatementofRates.pdf
NWPL	TF-2		\$ 0.39033	\$/Dth/day	
NWPL	SGS-2F		\$ 0.01562	\$/Dth/day	
TCPL AB	FT-D		\$ 5.48	\$CAD/GJ/month	http://www.tccustomerexpress.com/2766.html
			90%	Term discount	
			4.932		
			0.29	Abandonment surcharge	
			\$ 5.22	\$CAD/GJ/month	
TCPL BC	FT		\$ 0.0163193182	\$CAD/GJ/Km	http://www.tccustomerexpress.com/2768.html
			170.7	Km	
			2.785707617		
			0.125019618	Abandonment surcharge	
			\$ 2.910727234	\$CAD/GJ/month	
TGTC	FT		\$ 8.2194	\$/Dth/month	http://www.tcplus.com/Tuscarora/Tariff/CurrEffRates
WEI	FTS-Southern		\$ 609.09	\$CAD/103M3/month	https://noms.wei-pipeline.com/CustomerContent/tariff/toll_schedules/ts08_transport_south.pdf

STATEMENT OF EFFECTIVE RATES AND CHARGES FOR
 TRANSPORTATION OF NATURAL GAS

Rate Schedules FTS-1, LFS-1, and FHS

For Rate Schedules FTS-1 and LFS-1:

	RESERVATION							
	DAILY MILEAGE (a) (Dth-MILE)		DAILY NON-MILEAGE (b) (Dth)		DELIVERY (c) (Dth-MILE)		FUEL (d) (Dth-MILE)	
	<u>Max.</u>	<u>Min.</u>	<u>Max.</u>	<u>Min.</u>	<u>Max.</u>	<u>Min.</u>	<u>Max.</u>	<u>Min.</u>
BASE	0.000391	0.000000	0.030954	0.000000	0.000016	0.000016	0.0050%	0.0000%
STF (e)	(e)	0.000000	(e)	0.000000	0.000016	0.000016	0.0050%	0.0000%
EXTENSION CHARGES								
MEDFORD								
E-1 (f)	0.002483	0.000000	0.004177	0.000000	0.000026	0.000026	---	---
E-2 (h) (Diamond 1)	0.002972	0.000000	---	---	0.000000	0.000000	---	---
E-2 (h) (Diamond 2)	0.001166	0.000000	---	---	0.000000	0.000000	---	---
COYOTE SPRINGS								
E-3 (i)	0.001154	0.000000	0.001155	0.000000	0.000000	0.000000	---	---
CARTY LATERAL								
E-4 (p)	---	---	0.149828	0.000000	0.000000	0.000000	---	---
OVERRUN CHARGE (j)								
	---	---	---	---	---	---	---	---
SURCHARGES								
ACA (k)	---	---	---	---	(k)	(k)	---	---

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 Effective: January 1, 2019

Docket No. RP19-370-000
 Accepted: January 2, 2019

For Rate Schedule FHS:

The Mainline and Extension Reservation rates shown above for Rate Schedules FTS-1 and LFS-1 shall also be applicable to service under Rate Schedule FHS, except that the Mileage and Non-Mileage Components shall be adjusted to reflect the expedited hours of gas flow (“HF”) utilizing the following formulas, rounded to 6 decimal places:

- (a) Mileage Reservation Component = $FTS-1M \times \text{Miles} \times (24/HF)$
- (b) Non-Mileage Reservation Component = $FTS-1NM \times (24/HF)$

where:

FTS-1M	=	Applicable FTS-1 Mileage Reservation Charge
FTS-1NM	=	Applicable FTS-1 Non-Mileage Reservation Charge
Miles	=	Distance, in pipeline miles, from the Primary Point(s) of Receipt to the Primary Point(s) of Delivery as set forth in Shipper’s Contract
HF	=	MDQ/MHQ

STATEMENT OF EFFECTIVE RATES AND CHARGES FOR
 TRANSPORTATION OF NATURAL GAS (a)

Rate Schedule ITS-1

	MILEAGE (n) (Dth-Mile)		NON-MILEAGE (o) (Dth)		DELIVERY (c) (Dth-Mile)		FUEL (d) (Dth-Mile)	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
BASE	(e)	0.000000	(e)	0.000000	0.000016	0.000016	0.0050%	0.0000%
EXTENSION CHARGES								
MEDFORD								
E-1 (Medford) (f)	0.002483	0.000000	0.004177	0.000000	0.000026	0.000026	---	---
COYOTE SPRINGS								
E-3 (Coyote Springs) (i)	0.001154	0.000000	0.001155	0.000000	0.000000	0.000000	---	---
CARTY LATERAL								
E-4 (Carty Lateral) (p)	---	---	0.149828	0.000000	0.000000	0.000000	---	---
SURCHARGES								
ACA (k)	---	---	(k)	(k)	---	---	---	---

Rate Schedule IHS

	MILEAGE (n) (Dth-Mile)		NON-MILEAGE (o) (Dth)		DELIVERY (c) (Dth-Mile)		FUEL (d) (Dth-Mile)	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
BASE	(e)	0.000000	(e)	0.000000	0.000016	0.000016	0.0050%	0.0000%
EXTENSION CHARGES								
MEDFORD								
E-1 (Medford) (f)	0.005959	0.000000	0.010025	0.000000	0.000026	0.000026	---	---
COYOTE SPRINGS								
E-3 (Coyote Springs) (i)	0.002770	0.000000	0.002772	0.000000	0.000000	0.000000	---	---
CARTY LATERAL								
E-4 (Carty Lateral) (p)	---	---	0.359587	0.000000	0.000000	0.000000	---	---
SURCHARGES								
ACA (k)	---	---	(k)	(k)	---	---	---	---

STATEMENT OF EFFECTIVE RATES AND CHARGES
FOR TRANSPORTATION OF NATURAL GAS

Notes:

- (a) The mileage component shall be applied per pipeline mile to gas transported by GTN for delivery to shipper based on the primary receipt and delivery points in Shipper's contract. Consult GTN's system map in Section 3 for receipt and delivery point and milepost designations.
- (b) The non-mileage component is applied per Shipper's MDQ at Primary Point(s) of Delivery on Mainline Facilities.
- (c) The delivery rates are applied per pipeline mile to gas transported by GTN for delivery to shipper based on distance of gas transported. Consult GTN's system map in Section 3 for receipt and delivery point and milepost designations.
- (d) Fuel Use: Shipper shall furnish gas used for compressor station fuel, line loss, and other utility purposes, plus other unaccounted-for gas used in the operation of GTN's combined pipeline system in an amount equal to the sum of the current fuel and line loss percentage and the fuel and line loss percentage surcharge in accordance with Section 6.38 of this tariff, multiplied by the distance in pipeline miles transported from the receipt point to the delivery point multiplied by the transportation quantities of gas received from Shipper under these rate schedules. The current fuel and line loss percentage shall be adjusted each month between the maximum rate of 0.0050% per Dth per pipeline mile and the minimum rate of 0.0000% per Dth per mile. The fuel and line loss percentage surcharge is 0.0000% per Dth per pipeline mile. No fuel use charges will be assessed for backhaul service. Currently effective fuel charges may be found on GTN's Internet website under "Informational Postings."
- (e) Seasonal recourse rates apply to short-term firm (STF) service under Rate Schedules FTS-1 and FHS (i.e., firm service that has a term of less than one year and that does not include multiple-year seasonal service) and IT Service under Rate Schedules ITS-1 and IHS. By March 1 of each year GTN may designate up to four (4) months as peak months during a twelve-month period beginning on June 1 of the same year through May 31 of the following year. All other months will be considered off-peak months. Reservation rate components that apply to STF service and per-unit-rate ITS-1 and IHS service are as follows (delivery charges and applicable surcharges continue to apply):

For STF and ITS-1:

	4 Peak Mos.	3 Peak Mos.	2 Peak Mos.	1 Peak Mo.	0 Peak Mos.
Peak NM Res.	\$0.043336	\$0.043336	\$0.043336	\$0.043336	\$0.030954
Peak Mi. Res.	\$0.000547	\$0.000547	\$0.000547	\$0.000547	\$0.000391
Off-Pk NM Res.	\$0.024763	\$0.026827	\$0.028478	\$0.029828	\$0.030954
Off-Pk Mi. Res.	\$0.000313	\$0.000339	\$0.000360	\$0.000377	\$0.000391

For IHS:

	4 Peak Mos.	3 Peak Mos.	2 Peak Mos.	1 Peak Mo.	0 Peak Mos.
Peak NM Res.	\$0.104006	\$0.104006	\$0.104006	\$0.104006	\$0.074290
Peak Mi. Res.	\$0.001313	\$0.001313	\$0.001313	\$0.001313	\$0.000938
Off-Pk NM Res.	\$0.059431	\$0.064385	\$0.068347	\$0.071587	\$0.074290
Off-Pk Mi. Res.	\$0.000751	\$0.000814	\$0.000864	\$0.000905	\$0.000938

Months currently designated as "Peak Months" may be found on GTN's Internet website under "Informational Postings." By March 1 of each year, GTN will post the Peak Months for the upcoming twelve-month period beginning June 1 of the same year.

- (f) Applicable to firm service on GTN's Medford Extension.
- (g) Reserved for Future Use.
- (h) E-2 (Diamond 1) is a Negotiated Rate consisting of a reservation charge of \$0.002972 per Dth per day for the first 45,000 Dth/d and E-2 (Diamond 2) is a Negotiated Rate consisting of a reservation charge of \$0.001166 per Dth per day for the second 45,000 Dth/d. During leap years, E-2 (Diamond 1) is a Negotiated Rate consisting of a reservation charge of \$0.002964 per Dth per day for the first 45,000 Dth/d and E-2 (Diamond 2) is a Negotiated Rate consisting of a reservation charge of \$0.001163 per Dth per day for the second 45,000 Dth/d. Pursuant to Article VI, Subsections B and C of the Amended Stipulation and Agreement filed with the Commission on October 16, 2018, in Docket No. RP15-904-001, and as accepted by Order of the Commission dated November 30, 2018, the Diamond 1 and Diamond 2 Negotiated Rates in Section 4.1, above, shall be modified as follows: 1) from January 1, 2019, through December 31, 2019, and January 1, 2021 through December 31, 2021, the Diamond 1 reservation charge shall be \$0.002823 and the Diamond 2 reservation charge shall be \$0.001108; 2) from January 1, 2020, through December 31, 2020, the Diamond 1 reservation charge shall be \$0.002816 and the Diamond 2 reservation charge shall be \$0.001105.
- (i) Applicable to firm service on GTN's Coyote Springs Extension.

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- (j) The Overrun Charge shall be equal to the rates and charges set forth for interruptible service under Rate Schedule ITS-1.
- (k) In accordance with Section 6.22 of the Transportation General Terms and Conditions of this FERC Gas Tariff, Fourth Revised Volume No. 1-A, all Transportation services that involve the physical movement of gas shall pay an ACA unit adjustment. The currently effective ACA unit adjustment as published on the Commission's website (www.ferc.gov) is incorporated herein by reference. This adjustment shall be in addition to the Base Tariff Rate(s) specified above.
- (l) Reserved for Future Use.
- (m) Reserved.
- (n) The Rate Schedule ITS-1 Mileage Component shall be applied per pipeline mile to gas transported by GTN based on the distance of gas transported. Consult GTN's system map in Section 3 for receipt and delivery point and milepost designations.
- (o) The Rate Schedule ITS-1 Non-Mileage Component shall be applied per Dth of gas transported by GTN for immediate delivery to the facilities of another entity or an extension facility.
- (p) Applicable to firm service on GTN's Carty Lateral Extension.

STATEMENT OF EFFECTIVE RATES AND CHARGES
 FOR TRANSPORTATION OF NATURAL GAS

NEGOTIATED RATE AGREEMENTS UNDER RATE SCHEDULES FTS-1 AND LFS-1

<u>SHIPPER</u>	<u>TERM OF CONTRACT</u>	<u>RATE SCHEDULE</u>	<u>DTH/D</u>	<u>PRIMARY RECEIPT POINT</u>	<u>PRIMARY DELIVERY POINT</u>	<u>RATE /2 /3</u>
Avista Corporation /1	11/1/01 - 10/31/25	FTS-1	20,000	Medford	Medford Ext. Meter	/7
Powerex Corp./1	04/01/16 - 10/31/16	FTS-1	20,000	Kingsgate	Malin	/5
Mercuria Commodities Canada Corporation /1	04/01/18 03/31/24	FTS-1	60,000	Kingsgate	Malin	/4
Avangrid Renewables, LLC /1	06/03/01 10/31/25	FTS-1	80,000	Medford	Klamath Cogeneration	/6

Issued: December 31, 2018
 Effective: January 1, 2019

Docket No. RP19-530-000
 Accepted: January 22, 2019

STATEMENT OF EFFECTIVE RATES AND CHARGES
FOR TRANSPORTATION OF NATURAL GAS

Negotiated Rate Agreements Under Rate Schedules FTS-1 and LFS-1

Explanatory Footnotes for Negotiated Rates
under Rate Schedules FTS-1 and LFS-1

- /1 This contract does not deviate in any material aspect from the Form of Service Agreement in this Tariff.
- /2 Unless otherwise noted, all Shippers pay GTN's maximum Reservation Charge, Delivery Charge, ACA, and contribute fuel in-kind in accordance with this Tariff.
- /3 Index Price References: Unless otherwise noted, references to "Daily Index Price" shall mean the price survey midpoint for the specified point as published in Gas Daily for the day of gas flow. Weekend and holiday prices will be determined using the next available Gas Daily publication. Unless otherwise noted, the references to the "NGI FOM" for a specified point shall mean Natural Gas Intelligence's First of Month Bid Week Survey (Supplement to NGI's Weekly Gas Index) Spot Gas Price for the specified point.
- /4 a. GTN and Shipper have agreed to a fixed reservation reservation charge of \$.2565 along with applicable surcharges for all quantities on the Kingsgate to Malin path.
- b. Effective the earlier of January 1, 2022, or the termination of the Amended Settlement in Docket No. RP15-904-001, the Rate Reduction shall expire and the negotiated rate shall revert to \$.27 along with applicable surcharges for all quantities on the Kingsgate to Malin path.
- /5 GTN and Shipper have agreed to a Fixed Reservation Rate Charge of \$0.26300 inclusive of the mileage and non-mileage components, which shall be applicable to the Primary Receipt and Delivery Points as well as secondary points, as follows:
- Secondary Receipt Points: All points on GTN's system
Secondary Delivery Points: All points on GTN's system
- In addition, Shipper shall pay all applicable charges and surcharges in accordance with GTN's FERC Gas Tariff.
- /6 a. For the period January 1, 2019, to December 31, 2021, GTN and Shipper have agreed that the negotiated rate shall be \$0.085821 for the Monthly Reservation Charge for the Initial Quantity set forth in Exhibit B of the agreement, and \$0.033703 for the Monthly Reservation Charge for the Option Quantity set forth in Exhibit B of the agreement along with applicable surcharges.

Issued: December 31, 2018
Effective: January 1, 2019

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Accepted: January 22, 2019

b. Effective the earlier of January 1, 2022, or the termination of the Amended Settlement in Docket No. RP15-904-001, the rate reduction described in a., above, shall expire and the negotiated rate shall revert to \$0.090338 per dekatherm per mile for the Monthly Reservation Charge for the Initial Quantity set forth in Exhibit B of the agreement, and \$0.035477 for the Monthly Reservation Charge for the Option Quantity set forth in Exhibit B of the agreement along with applicable surcharges.

/7 The Reservation charge shall be equal to the rate set forth in GTN's FERC Gas Tariff identified as FTS-1 E-2 (WWP), or its successor, multiplied by the appropriate Effective Period Percentage as shown in the following table.

Effective Period	Percentage
11/1/01-10/31/02	75%
11/1/02-10/31/03	80%
11/1/03-10/31/04	85%
11/1/04-10/31/05	90%
11/1/05-10/31/06	95%
11/1/06-10/31/25	100%

The Daily Delivery Charge shall be equal to the 100% load factor equivalent of the FTS-1 E-2 rate, or its successor, and shall be multiplied by the positive difference between (a) volumes delivered and (b) the contract MDQ times the appropriate Effective Period Percentage.

Daily Delivery Charge = [Dth Delivered - (MDQ * Effective Period %)] * 100% Load Factor Equivalent FTS-1 E-2

/8 Reserved

/9 Reserved

/10 Reserved

/11 Reserved

/12 Reserved

/13 Reserved

/14 Reserved

/15 Reserved

/16 Reserved

/17 Reserved

/18 Reserved

STATEMENT OF EFFECTIVE RATES AND CHARGES
FOR TRANSPORTATION OF NATURAL GAS

NEGOTIATED RATE AGREEMENTS UNDER RATE SCHEDULE ITS-1 AND PAL

<u>SHIPPER</u>	<u>TERM OF CONTRACT</u>	<u>RATE SCHEDULE</u>	<u>DTH/D</u>	<u>PRIMARY RECEIPT POINT</u>	<u>PRIMARY DELIVERY POINT</u>	<u>RATE /2 /3</u>
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Issued: April 24, 2015
Effective: June 1, 2015

Docket No. RP15-905-000
Accepted: May 29, 2015

STATEMENT OF EFFECTIVE RATES AND CHARGES
FOR TRANSPORTATION OF NATURAL GAS

NEGOTIATED RATE AGREEMENTS UNDER RATE SCHEDULE ITS-1 AND PAL

Explanatory Footnotes for Negotiated Rates under Rate Schedule ITS-1 and PAL

- /1 This contract does not deviate in any material aspect from the Form of Service Agreement in this Tariff.
- /2 Unless otherwise noted, all Shippers pay GTN's maximum Mileage and Non-Mileage Charge, ACA, and contribute fuel in-kind in accordance with this Tariff.
- /3 Index Price References: Unless otherwise noted, references to "Daily Index Price" shall mean the price survey midpoint for the specified point as published in Gas Daily for the day of gas flow. Weekend and holiday prices will be determined using the next available Gas Daily publication. Unless otherwise noted, the references to the "NGI FOM" for a specified point shall mean Natural Gas Intelligence's First of Month Bid Week Survey (Supplement to NGI's Weekly Gas Index) Spot Gas Price for the specified point.

NON-CONFORMING SERVICE AGREEMENTS
 PURSUANT TO § 154.112(b)

Name of Shipper	Contract Number	Rate Schedule	Effective Date	Termination Date
Cascade Natural Gas Corporation	152	FTS-1	11/1/1993	10/31/2023
Chevron USA Inc.	153	FTS-1	11/1/1993	10/31/2023
City of Burbank	154	FTS-1	11/1/1993	10/31/2023
IGI Resources, Inc.	158	FTS-1	11/1/1993	10/31/2013
Northern California Power Agency	163	FTS-1	11/1/1993	10/31/2023
Talisman Energy Inc	167	FTS-1	11/1/1993	10/31/2023
Paramount Resources US Inc.	168	FTS-1	11/1/1993	10/31/2023
Petro-Canada Hydrocarbons, Inc.	169	FTS-1	11/1/1993	10/31/2023
Sacramento Municipal Utility District	170	FTS-1	11/1/1993	10/31/2023
Avista Corporation	177	FTS-1	11/1/1993	10/31/2023
Avista Corporation	178	FTS-1	11/1/1993	10/31/2023
Cascade Natural Gas Corporation	179	FTS-1	11/1/1993	10/31/2023
Northwest Natural Gas Company	180	FTS-1	11/1/1993	10/31/2023
Puget Sound Energy, Inc.	181	FTS-1	11/1/1993	10/31/2023
Avista Corporation	182	FTS-1	11/1/1993	10/31/2023
Avista Corporation	2591	FTS-1	8/1/1995	10/31/2025
Avista Corporation	2857	FTS-1	11/1/1995	10/31/2025
Avista Corporation	2858	FTS-1	11/1/1995	10/31/2025
Iberdrola Renewables, Inc.	7828	FTS-1	6/3/2001	10/31/2025
Avista Corporation	8035	FTS-1	11/1/2001	10/31/2025
Pacific Gas and Electric Company	111	ITS-1	2/1/1992	10/31/2010
Northwest Natural Gas Company	112	ITS-1	4/1/1992	3/31/2011
Petro-Canada Hydrocarbons, Inc.	119	ITS-1	4/22/1992	4/22/2011
Morgan Stanley Capital Group Inc.	144	ITS-1	7/23/1993	9/30/2010
Shell Energy North America (US), L.P.	146	ITS-1	8/1/1993	8/1/2010
BP Canada Energy Marketing Corp.	4621	AIS-1	12/1/1996	12/31/2010
Sempra Energy Trading Corp.	4721	AIS-1	1/1/1997	12/31/2010
EnCana Marketing (USA) Inc.	4770	AIS-1	1/25/1997	12/31/2010
Nexen Marketing U.S.A., Inc.	6759	AIS-1	6/17/1999	12/31/2010
Shell Energy North America (US), L.P.	7047	AIS-1	4/10/2000	12/31/2010
Sierra Pacific Power Company	7068	AIS-1	4/27/2000	12/4/2019
City of Glendale	7804	AIS-1	5/30/2001	12/31/2021
Iberdrola Renewables, Inc.	7806	AIS-1	5/30/2001	12/31/2021
Petro-Canada Hydrocarbons, Inc.	7807	AIS-1	5/30/2001	12/31/2021
Chevron U.S.A. Inc.	7812	AIS-1	5/30/2001	12/31/2021
Salmon Resources Ltd.	7816	AIS-1	5/30/2001	12/31/2021
Constellation Energy Commodities Group, Inc.	8038	AIS-1	8/2/2001	8/31/2021
Enserco Energy Inc.	8176	AIS-1	11/27/2001	11/30/2021
ConocoPhillips Company	8228	AIS-1	1/8/2002	1/31/2022
UBS AG (London Branch)	8318	AIS-1	4/11/2002	4/30/2023

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Concord Energy LLC	8421	AIS-1	7/22/2002	7/31/2012
Tenaska Marketing Ventures	8559	AIS-1	1/1/2003	12/31/2012
Cargill, Inc.	8594	AIS-1	3/19/2003	3/31/2013
Merrill Lynch Commodities, Inc.	8674	AIS-1	6/13/2003	6/13/2023
Apache Corporation	8670	AIS-1	7/1/2003	6/30/2013
Tenaska Marketing Ventures	8880	AIS-1	12/1/2003	11/30/2013
California Dept. of Water Resources	8887	AIS-1	12/1/2003	7/1/2011
United Energy Trading, LLC	9002	AIS-1	3/1/2004	2/28/2014
Select Natural Gas LLC	8978	AIS-1	3/3/2004	3/3/2014
National Fuel Marketing Company LLC	9035	AIS-1	4/27/2004	4/30/2014
Fortis Energy Marketing & Trading GP	9115	AIS-1	7/17/2004	6/30/2014
Powerex Corp.	9149	AIS-1	8/16/2004	7/31/2014
Louis Dreyfus Energy Services L.P.	9281	AIS-1	11/8/2004	10/31/2014
Pacific Summit Energy LLC	9285	AIS-1	11/15/2004	10/31/2010
Devlar Energy Marketing, LLC	9630	AIS-1	6/1/2005	5/31/2015
Suncor Energy Marketing Inc.	9774	AIS-1	10/1/2005	9/30/2015
CanNat Energy Inc.	10197	AIS-1	7/26/2006	7/25/2011
Eagle Energy Partners I, LP	10308	AIS-1	10/27/2006	10/31/2011
Sequent Energy Management LP	10336	AIS-1	11/1/2006	10/31/2010
Occidental Energy Marketing, Inc.	10359	AIS-1	12/22/2006	12/31/2010
NextEra Energy Power Marketing, LLC	10625	AIS-1	4/10/2008	4/30/2018
Natural Gas Exchange, Inc.	10639	AIS-1	4/29/2008	4/30/2018
Citigroup Energy Inc.	10646	AIS-1	5/30/2008	5/31/2018
IGI Resources, Inc.	4576	PS-1	12/1/1996	12/31/2010
Macquarie Cook Energy, LLC	4619	PS-1	12/1/1996	12/31/2010
Sempra Energy Trading Corp.	4720	PS-1	1/1/1997	12/31/2010
EnCana Marketing (USA) Inc.	4868	PS-1	3/1/1997	12/31/2010
Shell Energy North America (US), L.P.	4908	PS-1	3/5/1997	12/31/2010
Husky Gas Marketing Inc.	5348	PS-1	7/3/1997	12/31/2010
Enserco Energy Inc.	5677	PS-1	10/6/1997	12/31/2010
National Fuel Marketing Company LLC	5679	PS-1	10/7/1997	12/31/2010
United States Gypsum Company	5837	PS-1	11/3/1997	5/17/2010
Northwest Natural Gas Company	5992	PS-1	2/13/1998	12/31/2023
Chevron U.S.A. Inc.	6226	PS-1	5/14/1998	12/31/2010
San Diego Gas & Electric Company	6378	PS-1	8/25/1998	12/31/2010
Southern California Gas Company	6613	PS-1	12/14/1998	12/31/2010
Puget Sound Energy, Inc.	7061	PS-1	4/20/2000	4/20/2020
Hermiston Generating Company, L.P.	7798	PS-1	5/30/2001	12/31/2021
City of Glendale	7803	PS-1	5/30/2001	12/31/2021
Iberdrola Renewables, Inc.	7805	PS-1	5/30/2001	12/31/2021
Questar Energy Trading Company	7819	PS-1	5/30/2001	12/31/2021
El Paso Energy Marketing Company	7820	PS-1	5/30/2001	12/31/2021
Sempra Energy Trading Corp.	7833	PS-1	6/14/2001	6/8/2020
Constellation Energy Commodities Group, Inc.	8037	PS-1	8/2/2001	8/31/2021
ConocoPhillips Company	8229	PS-1	1/8/2002	1/31/2022
Tractebel Energy Marketing, Inc.	8283	PS-1	3/14/2002	3/31/2022
UBS AG (London Branch)	8316	PS-1	4/11/2002	4/30/2023

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Docket No. RP15-1294-000
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RWE Trading Americas Inc.	8324	PS-1	4/16/2002	4/30/2022
Fortis Energy Marketing & Trading GP	8340	PS-1	5/2/2002	5/31/2022
Concord Energy LLC	8406	PS-1	7/22/2002	7/31/2012
Select Natural Gas LLC	8534	PS-1	11/15/2002	10/31/2012
Tenaska Marketing Ventures	8539	PS-1	12/1/2002	11/30/2012
Cargill, Inc.	8595	PS-1	3/19/2003	3/31/2013
United Energy Trading, LLC	8652	PS-1	5/23/2003	5/31/2013
Apache Corporation	8668	PS-1	7/1/2003	6/30/2013
Occidental Energy Marketing, Inc.	8784	PS-1	9/10/2003	8/31/2013
Tenaska Marketing Ventures	8873	PS-1	12/1/2003	11/30/2013
California Dept. of Water Resources	8886	PS-1	12/1/2003	7/1/2011
Devon Canada Marketing Corporation	8923	PS-1	2/1/2004	1/31/2014
Merrill Lynch Commodities, Inc.	9018	PS-1	4/7/2004	4/7/2014
Pacific Summit Energy LLC	9173	PS-1	8/30/2004	8/30/2010
Louis Dreyfus Energy Canada LP	9263	PS-1	10/29/2004	10/31/2010
Louis Dreyfus Energy Services L.P.	9273	PS-1	11/4/2004	10/31/2014
Devlar Energy Marketing, LLC	9584	PS-1	5/2/2005	4/30/2015
Suncor Energy Marketing Inc.	9772	PS-1	10/1/2005	9/30/2015
J.P. Morgan Ventures Energy Corporation	9948	PS-1	2/1/2006	1/31/2016
CanNat Energy Inc.	10195	PS-1	7/26/2006	7/25/2011
Eagle Energy Partners I, LP	10310	PS-1	10/27/2006	10/31/2011
Sequent Energy Management LP	10332	PS-1	11/1/2006	10/31/2011
El Paso Ruby Holding Company, LLC	12071	FTS-1	11/1/2012	3/31/2018
Portland General Electric Company	17293	FTS-1	10/31/2015	10/31/2045

Issued: September 25, 2015
 Effective: October 26, 2015

Docket No. RP15-1294-000
 Accepted: October 23, 2015

STATEMENT OF RATES
 Effective Rates Applicable to
 Rate Schedules TF-1, TF-2, TI-1, TFL-1 and TIL-1
 (Dollars per Dth)

Rate Schedule and Type of Rate	Base Tariff Rate(1), (3)	
	Minimum	Maximum
Rate Schedule TF-1 (4) (5)		
Reservation		
(Large Customer)		
System-Wide	.00000	.39033
25 Year Evergreen Exp.	.00000	.32039
Volumetric (2)		
(Large Customer)		
System-Wide	.00832	.00832
25 Year Evergreen Exp.	.00832	.00832
(Small Customer) (6)	.00832	.69427
Scheduled Overrun (2)	.00832	.39865
Rate Schedule TF-2 (4) (5)		
Reservation	.00000	.39033
Volumetric	.00832	.00832
Scheduled Daily Overrun	.00832	.39865
Annual Overrun	.00832	.39865
Rate Schedule TI-1 (2)		
Volumetric (7)	.00832	.39865
Rate Schedule TFL-1 (4) (5)		
Reservation	-	-
Volumetric (2)	-	-
Scheduled Overrun (2)	-	-
Rate Schedule TIL-1 (2)		
Volumetric	-	-

STATEMENT OF RATES (Continued)

Effective Rates Applicable to
Rate Schedules TF-1, TF-2, TI-1, TFL-1 and TIL-1 (Continued)

(Dollars per Dth)

Entitlement Unauthorized Overrun and Underrun (8)	Rate
General System Unauthorized Daily Overrun	(9)
General System Unauthorized Daily Underrun	10.00000
General System Unauthorized Underrun Imbalances not eliminated after 72 hours	10.00000
Customer-Specific Entitlement Penalty	10.00000

Footnotes

- (1) Rate excludes surcharges approved by the Commission.
- (2) Annual Charge Adjustment ("ACA") surcharge may be applicable. Section 16 of the General Terms and Conditions describes the basis and applicability of the ACA surcharge.

STATEMENT OF RATES (Continued)

Effective Rates Applicable to
 Rate Schedules TF-1, TF-2, TI-1, TFL-1 and TIL-1 (Continued)

Footnotes (Continued)

- (3) To the extent Transporter discounts the Maximum Base Tariff Rate, such discounts will be applied on a non-discriminatory basis, subject to the policies of Order No. 497.

Shippers receiving service under these rate schedules are required to furnish fuel reimbursement in-kind at the rates specified on Sheet No. 14.

An incremental facilities charge or other payment method provided for in Section 21 or 29 of the General Terms and Conditions, is payable in addition to all other rates and charges if such a charge is included in Exhibit C to a Shipper's Transportation Service Agreement.

In addition to the rates set forth on Sheet No. 5, Puget Sound Energy, Inc.'s Transportation Service Agreement No. 140053 is subject to an annual incremental facility charge pursuant to Section 21 of the General Terms and Conditions for the South Seattle Delivery Lateral Expansion Project. The effective annual incremental facility charge is \$3,097,543 and is billed in equal monthly one-twelfth increments. The daily incremental facility charge is \$0.13281 per Dth.

In addition to the reservation rates shown on Sheet No. 5, Shippers who contract for Columbia Gorge Expansion Project capacity are subject to a facility reservation surcharge pursuant to Section 3.4 of Rate Schedule TF-1. The facility charge used in deriving the Columbia Gorge Expansion Project facility reservation surcharge has a minimum rate of \$0 and a maximum rate during the indicated months or calendar years as follows:

(Dollars per Dth)

Year	Rate	Year	Rate	Year	Rate
2018	\$0.09855	2021	\$0.08194	2023	\$0.07199
2019	\$0.09189	2022	\$0.07696	2024	\$0.06680
2020	\$0.08667				

January 1, 2025 - March 31, 2025 \$0.06552

STATEMENT OF RATES (Continued)

Effective Rates Applicable to
Rate Schedules TF-1, TF-2, TI-1, TFL-1 and TIL-1 (Continued)

(Dollars per Dth)

Footnotes (Continued)

- (4) All reservation rates are daily rates computed on the basis of 365 days per year, except that such rates for leap years are computed on the basis of 366 days.

For Rate Schedule TF-1, the 25-Year Evergreen Expansion reservation and volumetric rates apply to Shippers receiving service under Rate Schedule TF-1 Evergreen Expansion service agreements. The System-Wide reservation and volumetric rates apply to Shippers receiving service under all other Rate Schedule TF-1 service agreements.

For Rate Schedule TF-1, the 25-Year Evergreen Expansion maximum base tariff reservation rate is comprised of \$0.31603 for transmission costs and \$0.00436 for storage costs. The System-Wide maximum base tariff reservation rate for Rate Schedule TF-1 and the maximum base tariff reservation rate for Rate Schedule TF-2 are comprised of \$0.38597 for transmission costs and \$0.00436 for storage costs.

For Rate Schedule TF-1 (Large Customer), the maximum base tariff volumetric rates applicable to Shippers receiving service under Rate Schedule TF-1 Evergreen Expansion service agreements are comprised of \$0.00806 for transmission costs and \$0.00026 for storage costs. The maximum base tariff volumetric rates for all other services under Rate Schedule TF-1 (Large Customer) and for services under Rate Schedule TF-2 are comprised of \$0.00806 for transmission costs and \$0.00026 for storage costs.

STATEMENT OF RATES (Continued)

Effective Rates Applicable to
Rate Schedules TF-1, TF-2, TI-1, TFL-1 and TIL-1 (Continued)

(Dollars per Dth)

Footnotes (Continued)

- (5) Rates for Rate Schedules TF-1, TF-2 and TFL-1 are also applicable to capacity release service except for short-term capacity release transactions for a term of one year or less that take effect on or before one year from the date on which Transporter is notified of the release, which are not subject to the stated Maximum Base Tariff Rate. (Section 22 of the General Terms and Conditions describes how bids for capacity release will be evaluated.) The reservation rate is the comparable volumetric bid reservation charge applicable to Replacement Shippers bidding for capacity released on a one-part volumetric bid basis.
- (6) For Rate Schedule TF-1 (Small Customer), the Maximum Base Tariff Rate is comprised of \$0.68529 for transmission costs and \$0.00898 for storage costs. Transporter will not schedule gas for delivery to a Small Customer subject to this Rate Schedule TF-1 under any transportation Service Agreement (excluding its Rate Schedule TF-2 Service Agreement at Plymouth held at the time of storage service unbundling in RP93-5) unless such Small Customer has scheduled its full Contract Demand for firm service under its Rate Schedule TF-1 (Small Customer) Service Agreement(s) for that day.
- (7) Rate Schedule TI-1 maximum base tariff volumetric rate is comprised of \$0.39403 for transmission costs and \$0.00462 for storage costs.
- (8) Applicable to Rate Schedules TF-1, TF-2, TI-1, TFL-1 and TIL-1 pursuant to Section 15.5 of the General Terms and Conditions.
- (9) The General System Unauthorized Daily Overrun Charge per Dth is the greater of \$10 or 150 percent of the highest midpoint price at NW Wyo. Pool, NW s. of Green River, Stanfield Ore., NW Can. Bdr. (Sumas), Kern River Opal, or El Paso Bondad as reflected in the Daily Price Survey published in "Gas Daily."

STATEMENT OF RATES (Continued)

Effective Rates Applicable to Rate Schedules DEX-1 and PAL

(Dollars per Dth)

Type of Rate	Base Tariff Rate (1), (3)	
	Minimum	Maximum
Rate Schedule DEX-1 (2), (4)		
Deferred Exchange	.00000	.39865
Rate Schedule PAL		
Park and Loan	.00000	.39865

Footnotes

- (1) Rate excludes surcharges approved by the Commission.
- (2) ACA surcharge may be applicable. Section 16 of the General Terms and Conditions describes the basis and applicability of the ACA surcharge.
- (3) To the extent Transporter discounts the maximum currently effective tariff rate, such discounts will be applied on a non-discriminatory basis, subject to the policies of Order No. 497.
- (4) Shippers receiving service under this rate schedule are required to furnish fuel reimbursement in-kind at the rates specified on Sheet No. 14, except as provided in Section 4 of Rate Schedule DEX-1.

STATEMENT OF RATES (Continued)

Effective Rates Applicable to Rate Schedules SGS-2F and SGS-2I

(Dollars per Dth)

Rate Schedule and Type of Rate	Base Tariff Rate (1)	
	Minimum	Maximum
Rate Schedule SGS-2F (2) (3) (4) (5)		
Demand Charge		
Pre-Expansion Shipper	0.00000	0.01562
Expansion Shipper	0.00000	0.04056
Capacity Demand Charge		
Pre-Expansion Shipper	0.00000	0.00057
Expansion Shipper	0.00000	0.00348
Volumetric Bid Rates		
Withdrawal Charge		
Pre-Expansion Shipper	0.00000	0.01562
Expansion Shipper	0.00000	0.04056
Storage Charge		
Pre-Expansion Shipper	0.00000	0.00057
Expansion Shipper	0.00000	0.00348
Rate Schedule SGS-2I		
Volumetric	0.00000	0.00224

Footnotes

- (1) Shippers receiving service under these rate schedules are required to furnish fuel reimbursement in-kind at the rates specified on Sheet No. 14.

STATEMENT OF RATES (Continued)

Effective Rates Applicable to Rate Schedules SGS-2F and SGS-2I (Continued)

Footnotes (Continued)

- (2) Rates are daily rates computed on the basis of 365 days per year, except that rates for leap years are computed on the basis of 366 days.

Rates are also applicable to capacity release service except for short-term capacity release transactions for a term of one year or less that take effect on or before one year from the date on which Transporter is notified of the release, which are not subject to the stated Maximum Base Tariff Rate. (Section 22 of the General Terms and Conditions describes how bids for capacity release will be evaluated.) The Withdrawal Charge and Storage Charge are applicable to Replacement Shippers bidding for capacity released on a one-part volumetric bid basis.

RESERVED FOR FUTURE USE

STATEMENT OF RATES (Continued)

Effective Rates Applicable to Rate Schedules LS-2F and LS-2I

(Dollars per Dth)

Rate Schedule and Type of Rate	Base Tariff Rate (1)	
	Minimum	Maximum
Rate Schedule LS-2F (3)		
Demand Charge (2)	0.00000	0.02587
Capacity Demand Charge (2)	0.00000	0.00331
Volumetric Bid Rates		
Vaporization Demand-Related Charge (2)	0.00000	0.02587
Storage Capacity Charge (2)	0.00000	0.00331
Liquefaction	0.90855	0.90855
Vaporization	0.03386	0.03386
Rate Schedule LS-2I		
Volumetric	0.00000	0.00662
Liquefaction	0.90855	0.90855
Vaporization	0.03386	0.03386

Footnotes

- (1) Shippers receiving service under these rate schedules are required to furnish fuel reimbursement in-kind at the rates specified on Sheet No. 14.
- (2) Rates are daily rates computed on the basis of 365 days per year, except that rates for leap years are computed on the basis of 366 days.
- (3) Rates are also applicable to capacity release service except for short-term capacity release transactions for a term of one year or less that take effect on or before one year from the date on which Transporter is notified of the release, which are not subject to the stated Maximum Base Tariff Rate. (Section 22 of the General Terms and Conditions describes how bids for capacity release will be evaluated.) The Vaporization Demand-Related Charge and Storage Capacity Charge are applicable to Replacement Shippers bidding for capacity released on a one-part volumetric bid basis.

STATEMENT OF RATES (Continued)

Effective Rates Applicable to Rate Schedules LS-3F and LD-4I

(Dollars per Dth)

Rate Schedule and Type of Rate	Base Tariff Rate (1)	
	Minimum	Maximum
Rate Schedule LS-3F (3)		
Demand Charge (2)	0.00000	0.02587
Capacity Demand Charge (2)	0.00000	0.00331
Volumetric Bid Rates		
Vaporization Demand-Related Charge (2)	0.00000	0.02587
Storage Capacity Charge (2)	0.00000	0.00331
Liquefaction Charge (4)	0.90855	0.90855
Vaporization Charge	0.03386	0.03386
Rate Schedule LD-4I		
Volumetric Charge	0.00000	0.78872
Liquefaction Charge (4)	0.90855	0.90855

Footnotes

- (1) Shippers receiving service under these rate schedules are required to furnish fuel reimbursement in-kind at the rates specified on Sheet No. 14.
- (2) Rates are daily rates computed on the basis of 365 days per year, except that rates for leap years are computed on the basis of 366 days.
- (3) Rates are also applicable to capacity release service except for short-term capacity release transactions for a term of one year or less that take effect on or before one year from the date on which Transporter is notified of the release, which are not subject to the stated Maximum Base Tariff Rate. (Section 22 of the General Terms and Conditions describes how bids for capacity release will be evaluated.) The Vaporization Demand-Related Charge and Storage Capacity Charge are applicable to Replacement Shippers bidding for capacity released on a one-part volumetric bid basis.
- (4) The Liquefaction Charge will be trued-up annually pursuant to Section 14.20 of the General Terms and Conditions.

RESERVED FOR FUTURE USE

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	1.64%
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	0.24%
Rate Schedules LS-2F, LS-3F and LS-2I	
Liquefaction	0.98%
Vaporization	0.53%
Rate Schedule LD-4I	
Liquefaction	0.98%

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.

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.



NGTL System

TransCanada's - NGTL System Transportation Rates & Abandonment Surcharge

2019 Final Rates - Effective May 1, 2019

Receipt and delivery transportation Rates below do not include applicable abandonment surcharges.

Receipt Services	Tariff Rate	Information Purposes		
	\$/10 ³ m ³ (Cdn)	¢/GJ/d (Cdn)	¢/Mcf/d (Cdn)	¢/MMBtu/d (US)
FT-R Average Demand Rate (3 yr term) ¹	210.74/mo	18.3	19.6	15.0
IT-R (Interruptible Receipt)	7.97/d	21.1	22.6	17.3

Delivery Services	Tariff Rate	Information Purposes		
	\$/GJ (Cdn)	¢/GJ/d (Cdn)	¢/Mcf/d (Cdn)	¢/MMBtu/d (US)
FT-D Demand Rate (1 yr term) ²				
Group 1:				
Empress/McNeill Border	5.79/mo	19.0	20.4	15.6
Alberta-B.C. Border	5.48/mo	18.0	19.3	14.7
Gordondale Border/Boundary Lk Border	5.48/mo	18.0	19.3	14.7
ATCO: Clairmont/Shell Creek/Edson	5.48/mo	18.0	19.3	14.7
Group 2:				
All Group 2 delivery points	5.48/mo	18.0	19.3	14.7
Group 3:				
All Group 3 delivery points	6.58/mo	21.6	23.2	17.7

IT-D (Interruptible Delivery)

Group 1:				
Empress/McNeill Border		20.94	22.42	17.1
Alberta-B.C. Border		19.82	21.22	16.2
Gordondale Border / Boundary Lk Border		19.82	21.22	16.2
ATCO: Clairmont/Shell Creek/Edson		19.82	21.22	16.2
Group 2:				
All Group 2 delivery points		19.82	21.22	16.2

¹ Find more details on Receipt Price Points at [Receipt Point Rates](#)

1-2 year term: 105% (Price Point C)

3-4 year term: 100% (Price Point B)

5+ year term: 95% (Price Point A)

² Find more details on Delivery Price Points at [Delivery Point Rates](#)

1-2 year term: 100% (Price Point Z)

3-4 year term: 95% (Price Point Y)

5+ year term: 90% (Price Point X)

- Aggregate charges for service will be determined in accordance with the NGTL System tariff and as such, shall include the applicable abandonment surcharge(s).

- Rates are payable in Canadian dollars.

- For billing purposes, 10³m³ units are used to Receipt Services and GJ units are for Delivery services

- Mcf and MMBtu units are provided for illustrative purposes only.

- Conversion factors below have been used to calculate the rates provided for information purposes:

Cdn\$/US\$	1.29 - subject to change (updated Sep 25, 2018)
¢/GJ to ¢/MMBtu	1.06
\$/10 ³ m ³ to ¢/GJ	37.8 MJ/m ³

- Actual heating value is dependent upon specific receipt or delivery points and ranges from 36.0 MJ/m³ to 44.0 MJ/m³.

- Rates do not include GST.

- FT-R rate range:

FT-R Rate Range	\$/10 ³ m ³	¢/GJ/d	¢/Mcf/d	¢/MMBtu/d
FT-R Ceiling Rate	296.64/mo	25.8	27.6	21.1
FT-R Floor Rate	124.84/mo	10.9	11.6	8.9

2019 Abandonment Surcharges - Effective January 1, 2019

Abandonment surcharges are in addition to applicable receipt and delivery transportation rates.

Abandonment Surcharges	Tariff Rate		Information Purposes
	\$/10 ³ m ³ (Cdn)	\$/GJ(Cdn)	\$/Mcf (Cdn)
Monthly Abandonment Surcharge	10.90/mo	0.29/mo	0.31/mo
Daily Abandonment Surcharge	0.36/d	0.0095/d	0.01/d

- The services to which abandonment surcharges apply are denoted on the NGTL Tariff Table of Rates, Tolls and Charges.

Other information for TransCanada's NGTL System:

Current

[Receipt Point Rates](#)

[Fuel Rates](#)

[AB Border Heat Values](#)

Attachment D - Pipeline Tariff Sheets

Archives

[Receipt Point Rates](#)

[Fuel Rates \(2004 - 2010\)](#) (22 KB, XLS)

[Fuel Rates \(2000 - 2004\)](#) (41 KB, DOC)

[Delivery Point Rates](#)[AB Border Heat Values \(61 KB, PDF\)](#)**Disclaimer:**

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Foothills System - BC

TransCanada's Foothills BC Transportation Rates & Abandonment Surcharges

2019 Rates Effective January 1, 2019

Transportation Rates below do not include applicable Abandonment Surcharges

Service	Tariff Rate	Information Purposes		
		AB/BC to Kingsgate		
	\$/GJ/km(Cdn)	¢/GJ/d (Cdn)	¢/Mcf/d (Cdn)	¢/MMbtu/d (US)
FT Firm Service - Zone 8				
FT Rate	0.0163193182(Monthly)	9.2	9.8	7.4
IT Interruptible Service - Zone 8				
IT Rate	0.0005901781(Daily)	10.1	10.8	8.1

Aggregate charges for service will be determined in accordance with the Foothills Pipe Lines Gas Transportation Tariff and as such, shall include the applicable abandonment surcharge(s)

2019 Abandonment Surcharges Effective January 1, 2019

Abandonment surcharges are in addition to applicable Transportation Rates.

Abandonment Surcharges	Tariff Rate	Information Purposes			
		All Transportation Services			
		\$/GJ (Cdn)	¢/GJ (Cdn)	¢/Mcf (Cdn)	¢/MMbtu (US)
Monthly Abandonment Surcharge	0.1250196175(Monthly)		12.5	13.4	10.1
Daily Abandonment Surcharge	0.0041102340(Daily)		0.41	0.44	0.33

The services to which abandonment surcharges apply are denoted on the Foothills Pipe Lines Table of Effective Rates

1. For information purposes, the maximum Shipper's Haul Distance used in the Shipper's monthly charge for Service calculation is 170.7 km.

2. Rates are payable in Canadian dollars and GJ units are used for billing purposes. Mcf and MMBtu units are provided for information purposes only.

3. Conversion Factors below have been used to calculate the rates provided for information purposes:

Cdn\$/US\$	1.3108- subject to change (updated Oct 26, 2018)
¢/GJ to ¢/MMBtu	x 1.055056
¢/GJ to ¢/Mcf	at a heat value of 37.8 MJ/m ³

4. All rates are based on 100 per cent load factor utilization. The IT rate is 110 per cent of the FT rate.

5. Rates do not include G.S.T.

6. Inquiries regarding the BC System may be directed to:

Ashley Stowkowy

Phone: 1.403.920.5828

Email: ashley_stowkowy@transcanada.com

Andrea Watters

Phone: 1.403.920.7956

Email: andrea_watters@transcanada.com

Other information for TransCanada's Foothills (BC) System:

Current

[Fuel Rates and Heating Values](#)

[AB Border Heat Values](#)

Archives

[Heating Values](#)

[AB Border Heat Values](#) (61 KB, PDF)

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RATE SCHEDULES FT and LFS
 CURRENTLY EFFECTIVE RATES 1/

Reservation Charge	(Maximum)	\$ 8.2194
	(Minimum)	\$ 0.0000
Delivery Charge	(Maximum)	\$ 0.0030
	(Minimum)	\$ 0.0030
Authorized Overrun Charge	(Maximum)	\$ 0.2733
	(Minimum)	\$ 0.0030
Annual Charge Adjustment		2/
Measurement Variance Gas Factor	(Maximum)	2.0%
	(Minimum)	(2.0%)
Volumetric Reservation Charge for Capacity Release		\$ 0.2733 3/

- 1/ For scheduling, imbalance and unauthorized overrun charges see General Terms and Conditions, Section 6.6. Maximum and minimum rates are applicable to backhaul service.
- 2/ The Annual Charge Adjustment (ACA) is in addition to the above Delivery Charge and the Authorized Overrun Charge. The currently effective ACA unit charge as published on the Commission's website (www.ferc.gov) is incorporated herein by reference.
- 3/ The Maximum Rate does not apply to capacity release transactions of one (1) year or less.

Westcoast Energy Inc.
TOLL SCHEDULES - SERVICE

TRANSPORTATION SERVICE - SOUTHERN

DEFINITIONS

1. In this Toll Schedule, the following term shall have the following meaning:
 - (a) "Enhanced T-South Service" means Transportation Service – Southern provided pursuant to a Service Agreement under which gas is to be delivered to the Huntingdon Delivery Area and, subject to the fulfillment of the conditions specified in the Service Agreement, to the Kingsgate Export Point;
 - (b) "Kingsgate Export Point" means the point on the international boundary between Canada and the United States of America near Kingsgate, British Columbia, where the Foothills Pipe Lines (South BC) Ltd. pipeline facilities connect with the pipeline facilities of Gas Transmission Northwest Corporation; and
 - (c) "Service Term" means in respect of each Firm Transportation Service – Southern specified in a Firm Service Agreement, the term of each such Firm Transportation Service – Southern as determined in accordance with Section 3.

All other terms used in this Toll Schedule shall have the same meaning as set forth in the General Terms and Conditions.

APPLICATION

2. This Toll Schedule applies to all Firm Transportation Service - Southern, AOS and Interruptible Transportation Service - Southern, including Import Backhaul Service, provided by Westcoast on facilities in Zone 4 under the provisions of a Firm Service Agreement or an Interruptible Service Agreement into which the General Terms and Conditions and this Toll Schedule are incorporated by reference.
3. For all purposes of this Toll Schedule, the Demand Toll applicable to any Firm Transportation Service - Southern provided pursuant to a Firm Service Agreement shall be determined based upon the Service Term, and the Service Term for each such service shall be determined as follows:
 - (a) in the case of each Firm Transportation Service – Southern provided for in a Firm Service Agreement entered into by a Shipper with Westcoast prior to November 1, 2005, the number of whole years remaining in the term of each such service as of November 1, 2005;
 - (b) in the case of each Firm Transportation Service – Southern provided for in a Firm Service Agreement entered into by a Shipper with Westcoast after November 1, 2005, the number of whole years in the term of each such service specified in the Firm Service Agreement;
 - (c) in the case of each such Firm Transportation Service – Southern which is renewed by a Shipper after November 1, 2005 in accordance with Section 2.06 of the

Effective Date: April 1, 2014

Westcoast Energy Inc.

TOLL SCHEDULES - SERVICE

General Terms and Conditions, the number of whole years in the renewal term of each such service, with effect from the first day of the renewal term; and

- (d) in the case of each Firm Transportation Service – Southern provided for in a Firm Service Agreement which is extended by the Shipper and Westcoast after December 31, 2005, the number of whole years remaining in the term of each such service, including the period of the extension, with effect from the first day of the month immediately following the execution by the Shipper of an amendment to the Firm Service Agreement providing for such extension.

MONTHLY BILL - FIRM TRANSPORTATION SERVICE - SOUTHERN

4. The amount payable by a Shipper to Westcoast in respect of Firm Transportation Service - Southern provided in any month pursuant to a Firm Service Agreement shall be an amount equal to:
- (a) the product obtained by multiplying the Contract Demand for Firm Transportation Service - Southern specified in the Firm Service Agreement by the applicable Demand Toll specified in Appendix A for Firm Transportation Service – Southern; and
- (b) the amount of tax on fuel gas consumed in operations payable under the Motor Fuel Tax Act (British Columbia) and the Carbon Tax Act (British Columbia) which is allocated to Shipper by Westcoast for the month,

less the amount of any Contract Demand Credits to which the Shipper is entitled for the month pursuant to the General Terms and Conditions.

MONTHLY BILL - AOS, INTERRUPTIBLE TRANSPORTATION SERVICE - SOUTHERN AND IMPORT BACKHAUL SERVICE

5. If on any day Shipper has unutilized Firm Transportation Service - Southern at a Delivery Point in Zone 4 and would incur on such day tolls for AOS and Interruptible Transportation Service, other than Import Backhaul Service, at that Delivery Point or at any other Delivery Point in Zone 4, then, notwithstanding the provisions of the General Terms and Conditions and for the sole purpose of determining the amount of the Commodity Tolls payable by Shipper in accordance with this Toll Schedule for AOS and Interruptible Transportation Service - Southern, the following rules shall apply:
- (a) firstly, in the case where Shipper would otherwise incur tolls on such day for AOS and Interruptible Transportation Service – Southern at a Delivery Point where Shipper has unutilized Firm Transportation Service – Southern, Shipper shall be deemed to have utilized Firm Transportation Service at such Delivery Point on such day in respect of a volume of gas not exceeding the volume of unutilized Firm Transportation Service at such Delivery Point;
- (b) secondly, in the case where a Delivery Point at which Shipper has unutilized Firm Transportation Service – Southern is within the Huntingdon Delivery Area and Shipper has any remaining volume of unutilized Firm Transportation Service at such Delivery Point after applying the rule set out in paragraph (a) above, then Shipper shall be deemed to have made a diversion on such day pursuant to Section 7.01(a)

Effective Date: April 1, 2014

Westcoast Energy Inc.

TOLL SCHEDULES - SERVICE

of the General Terms and Conditions of a volume of gas not exceeding the amount of the remaining volume of unutilized Firm Transportation Service, from that Delivery Point to any other Delivery Point within the Huntingdon Delivery Area at which Shipper would otherwise incur tolls for AOS and Interruptible Transportation Service - Southern;

- (c) thirdly, if Shipper has any remaining volume of unutilized Firm Transportation Service – Southern at any Delivery Point after applying the rules set out in paragraphs (a) and (b) above, then Shipper shall be deemed to have made a diversion on such day pursuant to Section 7.01(c) of the General Terms and Conditions of a volume of gas not exceeding the amount of such remaining volume of unutilized Firm Transportation Service from such Delivery Point to the nearest Downstream Delivery Point at which Shipper would otherwise incur tolls for AOS and Interruptible Transportation Service - Southern; and
 - (d) fourthly, if Shipper has any remaining volume of unutilized Firm Transportation Service – Southern at any Delivery Point after applying the rules set out in paragraphs (a), (b) and (c) above, then Shipper shall be deemed to have made a diversion on such day pursuant to Section 7.01(b) of the General Terms and Conditions of a volume of gas not exceeding the amount of such remaining volume of unutilized Firm Transportation Service, from such Delivery Point to the nearest Upstream Delivery Point at which Shipper would otherwise incur tolls for AOS and Interruptible Transportation Service – Southern.
6. The amount payable by a Shipper to Westcoast in respect of AOS, Interruptible Transportation Service - Southern, and Import Backhaul Service provided on each day in a month shall be an amount equal to the sum of:
- (a) the product obtained by multiplying the applicable Commodity Toll specified in Appendix A for AOS, Interruptible Transportation Service - Southern and Import Backhaul Service, respectively, by the Receipt Volume for such AOS or Interruptible Transportation Service - Southern (as determined after applying the rules set out in Section 5) or for such Import Backhaul Service, respectively, at the point from which the residue gas is sourced, which is thermally equivalent to the volume of residue gas (i) delivered to or for the account of Shipper at the Delivery Point, or (ii) transmitted through Zone 4 for the account of Shipper on each such day during the month;
 - (b) the product obtained by multiplying the difference between the Commodity Tolls specified in Section 7.03 of the General Terms and Conditions by the volume of gas deemed to be diverted to a Downstream Delivery Point in accordance with Section 4(c) on each such day during the month; and
 - (c) the amount of tax on fuel gas consumed in operations payable under the Motor Fuel Tax Act (British Columbia) and the Carbon Tax Act (British Columbia) which is allocated to Shipper by Westcoast for each day in the month.

Effective Date: April 1, 2014

Westcoast Energy Inc.
TOLL SCHEDULES - SERVICE

APPENDIX A
DEMAND AND COMMODITY TOLLS
TRANSPORTATION SERVICE - SOUTHERN

Firm Transportation Service – Southern

Year Round Service

Service Term	Demand Tolls \$/10 ³ m ³ /mo.			
	PNG Delivery Point	Inland Delivery Area	Huntingdon Delivery Area	FortisBC Kingsvale to Huntingdon*
1 year	149.61	368.52	660.39	291.87
2 years	145.25	357.79	641.15	283.36
3 years	140.90	347.05	621.92	274.86
4 years	139.44	343.47	615.50	272.03
5 years or more	137.99	339.90	609.09	269.20

* For Firm Transportation Service - Southern provided by Westcoast pursuant to a Firm Service Agreement dated April 15, 2002 between Westcoast and FortisBC Energy Inc.

Plus the amount of tax on fuel gas consumed in operations payable under the Motor Fuel Tax Act (British Columbia) and the Carbon Tax Act (British Columbia) which is allocated to Shipper by Westcoast for each day in the month.

Winter Firm Service

Service Term	Demand Tolls \$/10 ³ m ³ /mo.	
	Huntingdon Delivery Area	
	WF Service <i>November to March</i>	Revertible WF Service*
1 year	990.59	660.39
2 years	961.73	641.15
3 years	932.88	621.92
4 years	923.25	615.50
5 years or more	913.64	609.09

* WF Service which has been designated as Revertible WF Service pursuant to Section 23.10 of the General Terms and Conditions – Service to provide for firm transmission of residue gas in Zone 4 all days of the year.

Plus the amount of tax on fuel gas consumed in operations payable under the Motor Fuel Tax Act (British Columbia) and the Carbon Tax Act (British Columbia) which is allocated to Shipper by Westcoast for each day in the month.

Effective Date: April 1, 2019

Westcoast Energy Inc.
TOLL SCHEDULES - SERVICE

AOS and Interruptible Transportation Service – Southern

Months	Commodity Tolls \$/10 ³ m ³			
	PNG Delivery Point	Inland Delivery Area	Huntingdon Delivery Area	FortisBC Kingsvale to Huntingdon*
April to October	4.896	12.061	23.774	9.552
November to March	6.528	16.081	23.774	12.736

* For AOS provided by Westcoast pursuant to a Firm Service Agreement dated April 15, 2002 between Westcoast and FortisBC Energy Inc.

Plus the amount of tax on fuel gas consumed in operations payable under the Motor Fuel Tax Act (British Columbia) and the Carbon Tax Act (British Columbia) which is allocated to Shipper by Westcoast for each day in the month.

Import Backhaul Service

Months	Commodity Tolls \$/10 ³ m ³		
	Inland Delivery Area	PNG Delivery Point	Compressor Station No. 2
April to October	11.713	18.878	23.774
November to March	7.693	17.246	23.774

Plus the amount of tax on fuel gas consumed in operations payable under the Motor Fuel Tax Act (British Columbia) and the Carbon Tax Act (British Columbia) which is allocated to Shipper by Westcoast for each day in the month.

Effective Date: April 1, 2019