

# **PEMBINA PIPELINE CORPORATION**

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## **PETROLEUM TOLL SCHEDULE**

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**TOLLS APPLYING TO  
THE  
TRANSPORTATION  
OF  
PETROLEUM  
ON THE PEACE HVP PIPELINE SYSTEM**

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**Effective: January 1, 2014**

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**ISSUED BY:**

**Pembina Pipeline Corporation**  
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1. **Rules and Regulations.** This Toll Schedule is subject to the Rules and Regulations governing the Transportation of Petroleum dated January 1, 2013 and issued by Pembina Pipeline Corporation, as amended, supplemented, modified or replaced from time to time (the "**Rules and Regulations**") and which are publicly available on Pembina's website at [www.pembina.com](http://www.pembina.com). Unless otherwise specified herein, in this Toll Schedule all words and terms defined in the Rules and Regulations shall have the meanings ascribed to them in the Rules and Regulations, and in this regard:

1. "**Carrier**" means Pembina Pipeline Corporation.

"**Delivery Point(s)**" means the following delivery points:

<b>Delivery Point</b>	<b>Ethane Plus</b>	<b>Propane Plus</b>
Dow Fort Saskatchewan	Yes	Yes
Keyera Fort Saskatchewan	No	Yes
Redwater Fort Saskatchewan	Yes	Yes

"**Petroleum**" means Crude Petroleum, Ethane Plus, Propane Plus, Butane and Condensate.

"**Pipeline System**" means the Peace HVP Pipeline System.

"**Receipt Point(s)**" means the receipt points set forth in Section 5 of this Toll Schedule.

2. **Canadian Currency.** The tolls and other charges set forth in this Toll Schedule are references to and payable in Canadian dollars.

3. **Specifications.** Petroleum Tendered for transportation on the Pipeline System shall have the applicable specifications set forth in Appendix 1 to this Toll Schedule.

4. **Monthly Nomination Date.** The Monthly Nomination Dates are as published in the Crude Oil Logistics Committee calendar.

5. **Non-TA Shippers.** The tolls payable by non-TA Shippers for the receipt, transportation and delivery of Petroleum shall be as follows:

## PEACE HVP PIPELINE SYSTEM TOLLS

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The rates listed in this tariff bulletin are for the gathering, transportation and delivery of Crude Petroleum & Condensate by pipeline to Edmonton from established Receipt Points on the Peace Pipeline and subject to the Rules & Regulations.

FACILITY CODE	RECEIPT POINT	LSD	PRODUCT	TARIFF (\$/m3)
0001042	CNRL Karr 10-10	10-10-065-02W6	Propane Plus	\$13.62
0001350	Conoco Elmworth 04-08	04-08-070-11W6	Ethane Plus	\$15.18
0001520	Conoco Wembley 06-19	06-19-073-08W6	Ethane Plus	\$17.39
0001520	Conoco Wembley 06-19	06-19-073-08W6	Propane Plus	\$17.57
0001351	Devon Wapiti 04-08	04-08-069-08W6	Ethane Plus	\$13.10
0001892	Encana Sexsmith 04-08	04-08-075-07W6	Propane Plus	\$15.15
0001531	Husky Kakwa 10-07	10-07-063-05W6	Propane Plus	\$14.67
0001113	Keyera Simonette 04-06	04-06-063-25W5	Propane Plus	\$19.43
0118855	Paramount Musreau 08-13	08-13-063-05W6	Propane Plus	\$19.98
0000957	Pembina Fox Creek Terminal	01-36-062-20W5	Propane Plus	\$9.18
0000873	Pembina Laglace Terminal	09-07-073-08W6	Propane Plus	\$18.38
0001740	Pembina Musreau 04-25	04-25-062-06W6	Ethane Plus	\$18.38
0001740	Pembina Musreau 04-25	04-25-062-06W6	Propane Plus	\$18.38
0001062	Pengrowth Carson 04-23	04-23-061-12W5	Propane Plus	\$15.91
0126279	PGS Saturn Gas Plant	12-36-057-23W5	Ethane Plus	\$19.00
0001107	Semcams Kaybob # 1 & 2	01-12-062-20W5	Propane Plus	\$9.50
0001144	Semcams Kaybob # 3	03-15-059-18W5	Propane Plus	\$10.00
0094382	SG Karr 01-21	01-21-063-02W6	Propane Plus	\$22.87
0001084	Talisman Edson 04-11	04-11-053-18W5	Propane Plus	\$17.95
0119271	Tourmaline Kakwa 08-13	08-13-062-06W6	Propane Plus	\$20.53
0001058	Trilogy Kaybob 08-09	08-09-064-19W5	Propane Plus	\$8.95

**NOTES:**

All facilities delivering less than 30 m<sup>3</sup>/d will be charged \$6.00 /m<sup>3</sup> for the difference between 30 m<sup>3</sup>/d and the actual delivery.

- 6. Intra-System Transfers.** The charge payable by each of the Transferor and the Transferee in respect of an intra-system transfer shall be \$200 for each transfer.
- 7. Minimum Tenders.** The minimum total volume for all Receipt Points that a Shipper can Tender for transportation by Petroleum type on the Pipeline System is 500 m<sup>3</sup> per Month. The charge applicable to Tenders that are below 500 m<sup>3</sup> per Month shall be \$10.00/m<sup>3</sup> multiplied by the positive difference between 500 m<sup>3</sup> and such Monthly Tender (expressed in m<sup>3</sup>).
- 8. Non-Performance Charge.** The Non-Performance Charge in respect of the Pipeline System shall be subject to a fee equal to Shipper's current posted toll plus 10%.
- 9. Loss Allowance.** The loss allowance rate is 0.15%.
- 10. Minimum Intervals.** Shipper shall not Tender Petroleum for transportation on the Pipeline System at intervals of less than 180 Days.
- 11. Overage or Shortage Fee.** The Overage or Shortage Fee in respect of the Pipeline System shall be equal to the higher of :
  - (a) \$14.00/m<sup>3</sup>, or
  - (b) 10% of the arithmetic average of the settlement prices per m<sup>3</sup> at West Texas Intermediate Light Sweet Crude Oil, for each Nomination Month Business Day in the Nomination Month, on the NYMEX (New York Mercantile Exchange) of the future contract for the first nearby Month.
- 12. Tolerance Margin.** Shipper Tolerance Margin is calculated by Petroleum type and is equal to the smaller of 500 m<sup>3</sup> or 5% of each Shipper Tender for each Petroleum type.
- 13. New Shipper Fee.** New Shippers will provide Pembina Pipeline Corporation with a cheque in the amount of \$20,000 as a deposit for Shipper Status. Pembina Pipeline Corporation may refund up to maximum of \$15,000 which will be paid one year after the grant of Shipper Status by Pembina Pipeline Corporation. Pembina Pipeline Corporation will calculate the refund as a credit against sustained tariff revenue that was generated against the first year of service and Pembina Pipeline Corporation will pay by cheque after the anniversary date.
- 14. Demurrage Fee.** Any volumes of Petroleum which Shipper fails to remove from the Pipeline System or custody of Carrier upon Delivery (other than Non-Specification Petroleum and Retention Stock, which are specifically addressed in Sections 5.5 and 7.9 of the Rules and Regulations, respectively) shall be subject to a fee equal to the higher of
  - (a) \$20.00/m<sup>3</sup>, or
  - (b) 10% of the arithmetic average of the settlement prices per m<sup>3</sup> at West Texas Intermediate Light Sweet Crude Oil, for each Nomination Month Business Day in the Nomination Month, on the NYMEX (New York Mercantile Exchange) of the future contract for the first nearby Month.
- 15. EDI Charge.** The Shipper shall pay \$0.20 per m<sup>3</sup> on total receipts for each production Month.

**APPENDIX 1  
PEACE HVP PIPELINE PETROLEUM SPECIFICATIONS**

<b>PEACE HVP PIPELINE PETROLEUM SPECIFICATIONS (EFFECTIVE: JAN 1, 2014)</b>	<b>ETHANE PLUS</b>	<b>PROPANE PLUS</b>
<b>Density</b> (in kg/m <sup>3</sup> at 15°C and in the liquid phase for Ethane Plus and Propane Plus Products )	529 – 400	679 – 530
<b>Vapour Pressure</b> (in kPa at 15°C )	◀3500	N/A
<b>Vapour Pressure</b> (in kPa at 37.8°C by ASTM D1267 )	N/A	◀1000
<b>Receipt Temperature</b> (in °C)	20 (max.)	40 (max.)
	0.0 (min.)	0.0 (min.)
<b>Carbon Dioxide to Ethane Ratio</b> ( as % of Ethane in mol% by GPA-2177)	◀6.0	N/A
<b>Methane to Ethane Ratio</b> ( as % of Ethane in mol% by GPA-2177)	◀2.5	N/A
<b>Methane to Propane Ratio</b> ( as a % of Propane mol% by GPA-2177)	N/A	◀0.1
<b>Ethane to Propane Ratio</b> ( as % of Propane Content in mol% by GPA-2177)	N/A	◀6.0
<b>Copper Strip</b> (by ASTM D-1838)	N/A	◀1
<b>Moisture Content</b>	No Free Water at -29°C & 9930 Kpa	No Free Water at -29°C & 9930 Kpa
<b>Colour</b> (by ASTM D1500)	◀ 0.5	◀ 0.5
<b>Total Sulphur</b> (in mg/kg S by ASTM D5623)	◀90	◀ 350
<b>Carbonyl Sulphide</b> (in mg/kg by ASTM D5623)	◀60	◀20
<b>Contaminants</b> (in mg/l of solids using a 5 micron filter, millipore test apparatus and accepted lab practices)	◀20 <sup>(1)</sup>	◀20 <sup>(1)</sup>
<b>NOTES:</b>		
1) Includes but not limited to sand, dust, asphaltene, crude oil, gum and gum forming substances.		
In addition to the above specifications, Ethane Plus and Propane Plus Mixes must be commercially free from sand, dust, gums and gum forming substances, catalyst poisons, oxygenates, impurities and other objectional or deleterious substances which may be injurious to process equipment or pipelines, or which may interfere with the product's transmission through pipelines.		
The symbol "◀" designates less than and "▶" designates greater than.		