

PEMBINA PIPELINE CORPORATION

PETROLEUM TOLL SCHEDULE

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

Effective: January 1, 2014

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. 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:

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

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

Delivery Point	Sweet Crude	High Sulphur Crude	Condensate
Enbridge Edmonton Terminal	Yes	Yes	Yes
Kinder Morgan Transmountain Pipeline	Yes	Yes	Yes
KinderMorgan North 40 Terminal	Yes	Yes	Yes
Gibson Edmonton Terminal	Yes	Yes	No
Strathcona Refinery	Yes	No	No

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

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

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

3. **Canadian Currency.** The tolls and other charges set forth in this Toll Schedule are references to and payable in Canadian dollars.
4. **Specifications.** Petroleum Tendered for transportation on the Pipeline System shall have the applicable specifications set forth in Appendix 1 to this Toll Schedule.
5. **Monthly Nomination Date.** The Monthly Nomination Dates are as published in the Crude Oil Logistics Committee calendar.
6. **Non-TA Shippers.** The tolls payable by non-TA Shippers for the receipt, transportation and delivery of Petroleum shall be as follows:

PEACE LVP PIPELINE SYSTEM TOLLS

Effective: January 1, 2014

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)
8840001	Advantage Sunset 14-29	14-29-069-19W5	Crude	\$15.75
0123090	Altagas Gordondale	16-31-078-11W6	Condensate	\$24.36
0055459	Anadarko Doe Creek 04-33	04-33-078-08W6	Crude	\$19.64
0125149	AOC Saxon 10-19	10-19-062-22W5	Crude	\$15.15
8560001	Apache Snipe Lake 07-04	07-04-071-18W5	Crude	\$13.25
0000845	Arc Ante Creek 13-07	13-07-06-24W5	Crude	\$12.30
0049842	Arc Valhalla 06-14	06-14-075-09W6	Crude	\$22.49
0111721	Barrick Puskuwa 03-03	03-03-072-26W5	Crude	\$12.60
0106892	Barrick S. Sturgeon Lake 02-02	02-02-069-22W5	Crude	\$12.33
8020028	Bonavista Rycroft 08-17	08-17-077-05W6	Crude	\$23.95
8020061	Bonavista Rycroft 08-25	08-25-077-06W6	Crude	\$23.23
8530047	Bonavista Spirit River 08-34	08-34-077-06W6	Crude	\$23.95
0048913	Bonavista Valhalla 13-08	13-08-076-10W6	Crude	\$18.38
0001292	BP South Wapiti 16-36	16-36-067-09W6	Condensate	\$16.31
0121759	Capio Valhalla 14-29	14-29-074-08W6	Crude	\$28.88
4140001	Clampett Giroux 02-09	02-09-066-21W5	Crude	\$30.39
0124065	CNRL Clairmont 03-27	03-27-072-05W6	Crude	\$16.80
0000891	CNRL Gold Creek Terminal	13-26-067-05W6	Condensate	\$11.90
3590012	CNRL Grand Prairie 09-10	09-10-073-06W6	Crude	\$16.80
0001042	CNRL Karr Plant 10-10	10-10-065-02W6	Condensate	\$14.95
0105128	CNRL Lator 13-09	13-09-063-02W6	Crude	\$36.98
0045417	CNRL Manir 14-21	14-21-072-03W6	Crude	\$16.80
0001506	CNRL Progress 01-01	01-01-078-10W6	Condensate	\$19.82

FACILITY CODE	RECEIPT POINT	LSD	PRODUCT	TARIFF (\$/m3)
0041054	CNRL Progress 08-32	08-32-078-09W6	Crude	\$28.13
0109505	CNRL S. Spirit 08-09	08-09-077-07W6	Crude	\$19.57
0079061	CNRL Smoky 07-36	07-36-058-03W6	Condensate	\$38.08
0089568	CNRL Tony Creek 04-31	04-31-062-24W5	Crude	\$19.53
9200131	CNRL Valhalla 14-13	14-13-076-08W6	Crude	\$18.97
9200026	CNRL Valhalla 16-11	16-11-075-09W6	Crude	\$21.00
9300018	CNRL Waskahigan 15-07	15-07-064-23W5	Crude	\$14.70
9480011	CNRL Wembley 11-36	11-36-072-08W6	Crude	\$18.38
9480016	CNRL Wembley 14-03	14-03-073-08W6	Crude	\$18.38
0001350	Conoco Elmworth Plant 04-08	04-08-070-11W6	Condensate	\$17.85
0084856	Conoco McKinley 01-34	01-34-058-12W5	Crude	\$31.79
0001520	Conoco Wembley 06-19	06-19-073-08W6	Condensate	\$18.38
0122857	Daylight Wapiti 07-22	07-22-068-08W6	Crude	\$28.61
0049737	Devon Valhalla 10-14	10-14-076-10W6	Crude	\$17.85
0001351	Devon Wapiti Plant 04-08	04-08-069-08W6	Condensate	\$15.75
0123073	Encana Gordondale 02-06	02-06-079-11W6	Condensate	\$19.50
0122101	Encana Kaybob 05-31	05-31-062-24W5	Condensate	\$14.12
0001892	Encana Sexsmith 04-08	04-08-075-07W6	Condensate	\$15.91
0044977	Enermark Progress 07-31	07-31-076-08W6	Crude	\$22.01
0050542	Enermark Valhalla 16-29	16-29-076-10W6	Crude	\$19.81
7290005	Enerplus Pouce Coupe 07-20	07-20-078-12W6	Crude	\$24.59
0075899	Clair 06-18	06-18-073-05W6	Crude	\$15.75
0125332	Kleskun 02-30	02-30-071-26W5	Crude	\$12.60
5190013	Husky Kakwa 10-07	10-07-063-05W6	Condensate	\$18.11
9200089	Husky Valhalla 01-12	01-12-075-09W6	Crude	\$17.85
0044529	Husky Wapiti 10-14	10-14-067-08W6	Crude/Condensate	\$18.38
0123169	Kaybob West 07-14	07-14-063-20W5	Crude	\$12.34
0052106	NAL Sturgeon Lake 13-07	13-07-069-24W5	Crude	\$12.29

FACILITY CODE	RECEIPT POINT	LSD	PRODUCT	TARIFF (\$/m3)
0082330	Newalta Gordondale	09-10-079-10W6	Crude	\$19.95
0000724	Newalta Greencourt	12-29-058-09W5	Crude/Condensate	\$9.45
0078194	Paramount Mirage 04-20	04-20-079-07W6	Crude	\$37.30
0118855	Paramount Musreau 08-13	08-13-063-05W6	Condensate	\$19.98
0000957	Pembina Fox Creek Terminal	01-36-062-20W5	Condensate	\$9.18
0000881	Pembina Gordondale Terminal	08-10-079-10W6	Crude/Condensate	\$19.95
0000879	Pembina Kakwa Truck Terminal	15-18-063-05W6	Crude/Condensate	\$18.11
0000873	Pembina Laglace Truck Terminal	09-07-073-08W6	Crude/Condensate	\$18.38
0086366	Pembina Lator Truck Terminal	12-09-063-02W6	Crude/Condensate	\$17.85
0000857	Pembina Valleyview Truck Terminal	12-10-069-22W5	Crude/Condensate	\$12.08
0094954	Pembina Resthaven 08-11	08-11-060-03W6	Condensate	\$36.26
2130001	Penn West Cherhill 04-24	04-24-056-05W5	Crude	\$8.62
5140017	Penn West Kaybob 03-24	03-24-062-20W5	Crude	\$9.39
0001222	PGS Cutbank Plant 07-16	07-16-062-08W6	Condensate	\$23.66
0001740	PGS Musreau Gas Plant 04-25	04-25-062-06W6	Condensate	\$19.30
0105083	Polar Clairmont 01-09	01-09-073-05W6	Crude	\$16.80
0000062	Pouce Coupe Pipeline	11-05-083-18W6	Crude/Condensate	\$23.42
0117737	RMP Waskahigan 12-07	12-07-064-23W5	Crude	\$14.70
0100093	Secure Fox Creek FST	11-36-062-20W5	Crude/ Condensate	\$9.39
0097433	Secure Laglace FST 16-07	16-07-073-08W6	Crude/ Condensate	\$18.38
0001107	Semcams Kaybob No. 1& 2	01-12-062-20W5	Condensate	\$9.98
0001144	Semcams Kaybob No. 3	03-15-059-18W5	Condensate	\$10.50
0094382	SG Karr 01-21	01-21-063-02W6	Condensate	\$25.20
8440002	Suncor Simonette Y 11-06	11-06-063-25W5	Condensate	\$19.42
9200172	Surge Valhalla 06-18	06-18-074-08W6	Crude	\$17.80
0001084	Talisman Edson 04-11	04-11-053-18W5	Condensate	\$17.95
7690013	TAQA Redrock 16-14	16-14-063-08W6	Crude	\$24.48
0001115	TAQA Whitecourt 12-02	12-26-059-11W5	Condensate	\$14.96

FACILITY CODE	RECEIPT POINT	LSD	PRODUCT	TARIFF (\$/m ³)
0000989	Tervita Fox Creek	03-29-062-20W5	Crude/Condensate	\$9.40
0000875	Tervita High Prairie 01-14	01-14-073-17W5	Crude	\$13.65
0000968	Tervita Laglace 12-08	12-08-073-08W6	Crude/Condensate	\$18.38
0085709	Tervita Spirit River 12-31	12-31-077-05W6	Crude	\$18.41
0000982	Tervita Valleyview 09-16	09-16-069-22W5	Crude	\$12.33
0119721	Tourmaline Kakwa 08-13	08-13-062-06W6	Condensate	\$20.53
5130017	Trilogy Kaybob BHL Unit #1	08-09-064-19W5	Crude	\$9.40
0080423	Trilogy Kaybob C Terminal 08-09	08-09-064-19W5	Condensate	\$9.40
0078606	Trilogy Kaybob 12-10	12-10-064-19W5	Crude	\$9.40
0049799	Trilogy Simonette 16-17	16-17-064-26W5	Crude/Condensate	\$12.08
5210004	Twin Butte Jayar 06-08	06-08-062-03W6	Crude	\$36.75
5480001	Viking Lator 02-06	02-06-063-02W6	Crude	\$25.80
0051820	Whitecap Valhalla 03-27	03-27-075-09W6	Crude	\$17.85
NOTES:				
All facilities delivering less than 30 m ³ /d will be charged \$6.00 /m ³ for the difference between 30 m ³ /d and the actual delivery. The aggregate toll from Taylor to Edmonton is \$30.00 / m³ . This covers movement of petroleum products through Plateau, Pouce Coupe and the Peace Pipeline systems.				

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 m³ per Month. The charge applicable to Tenders that are below 500 m³ per Month shall be \$10.00/m³ multiplied by the positive difference between 500 m³ and such Monthly Tender (expressed in m³).
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/m³, or

(b) 10% of the arithmetic average of the settlement prices per m³ 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 m³ 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/m³, or

(b) 10% of the arithmetic average of the settlement prices per m³ 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 \$0.06 per m³ on total receipts for each production Month.

APPENDIX 1 – PEACE LVP PIPELINE PETROLEUM SPECIFICATIONS

PEACE LVP PIPELINE PETROLEUM SPECIFICATIONS	HIGH SULPHUR CRUDE	SWEET CRUDE	CONDENSATE
Absolute Density (in kg/m ³ at 15°C by ASTM D5002)	904-776	876-776	775 – 650 ⁽³⁾
Reid Vapour Pressure (in kpaa at 37.8°C using ASTM D323M)	◀103	◀103	◀103
Receipt Temperature (in °C)	40 (max.) 0.0 (min.)	40 (max.) 0.0 (min.)	40 (max.) 0.0 (min.)
Moisture and Contaminant Content (volume fraction by ASTM D4007) ⁽¹⁾⁽²⁾	◀ 0.005	◀ 0.005	◀ 0.005
Colour (by ASTM D1500)	◀8.0	◀ 8.0	◀ 4.0
PH of contained water ⁽²⁾	▶5.0 & ◀7.0	▶5.0 & ◀7.0	▶5.0 & ◀7.0
Total Sulphur (in g/kg by ASTM D4294)	▶ 5.0	◀ 5.0	◀ 5.0
Organic Chlorides (in mg/kg in the total crude by ASTM D4929)	◀ 1	◀ 1	◀ 1
Mercaptans, volatile (cumulative C1,C2,C3) (mg/kg S by ASTM D5623)			◀ 175
Hydrogen Sulphide (in mg/kg S in the liquid phase by ASTM D5623)	◀ 100 ⁽⁴⁾	◀ 100 ⁽⁴⁾	◀ 20
Olefins, Total (in g/kg by PONAOX (U) ASTM 6729 (250 °C cut))	◀ 10	◀ 10	◀ 10
Oxygenates (in mg/kg by PONAOX (U) ASTM 6729)			◀ 100
Aromatics, Total (BTX) (in vol% by PONAOX (U) ASTM 6729)			▶ 2.0
Benzene , (in vol% by PONAOX (U) ASTM 6729)			◀ 1.6
Phosphorous in Volatile fraction (in mg/kg by <i>Test Method for Determination of Organo-Phosphorous in Volatile Distillates of Crude Oil by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry</i>)	◀1.5	◀1.5	◀1.5
Total Salt (in g/m ³)	◀ 285	◀ 285	◀ 285
Total Filterable Solids (mg/l by ASTM D4807 Procedure C)			◀200
Viscosity (cSt @ 7.5 °C by ASTM D445)			◀2.0 ⁽³⁾
Viscosity (cSt @ 10.0 °C by ASTM D445)	◀35		

NOTES:

1. Contaminant content means all non-hydrocarbon materials excluding Nitrogen and Carbon Dioxide.
 2. No free water at -29°C.
 3. Densities greater than 775 kg/m³ but less than 800 kg/m³ can be accepted if a recent Certificate of Analysis is provided demonstrating viscosity, filterable solids and sulphur content meet the specification limits.
 4. Guideline only.
- The symbol "◀" designates less than and "▶" designates greater than.