

PEMBINA PIPELINE CORPORATION

PETROLEUM TOLL SCHEDULE

**TOLLS APPLYING TO
THE
TRANSPORTATION
OF
PETROLEUM
ON THE DRAYTON VALLEY PIPELINE SYSTEM**

Effective: January 1, 2014

ISSUED BY:

Pembina Pipeline Corporation
3800, 525 – 8th Ave SW
Calgary, Alberta T2P 1G1
Phone: (403) 231-7500
E-mail: Pipeline-Services@pembina.com

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:

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

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

Delivery Point	Sweet Crude	Low Sulphur Crude	Condensate
Enbridge Edmonton Terminal	Yes	Yes	Yes
Kinder Morgan Transmountain Pipeline	Yes	Yes	No
KinderMorgan North 40 Terminal	Yes	No	No

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

"**Pipeline System**" means the Drayton Valley 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:

DRAYTON VALLEY 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 the established Receipt Points on the Drayton Valley Pipeline system and subject to the Rules & Regulations.

PEMBINA TRUCK TERMINALS

PRODUCT	DESCRIPTION	LSD	TARIFF (\$/m ³)
CRUDE / LSO	ALSIKE / BRETON TERMINAL	15-35-048-04W5	\$7.00
CRUDE	BAPTISTE TERMINAL	08-19-042-08W5	\$14.22
CONDENSATE	BUCK CREEK	08-33-048-06W5	\$7.11

CRUDE OIL / CONDENSATE RECEIPT POINTS

FACILITY CODE	DESCRIPTION	LSD	TARIFF (\$/m ³)
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BCO TRUNK

6850159	ARC 06-32	06-32-048-07W5	\$7.67
6850149	ARC 13-09	13-09-048-08W5	\$7.67
6850184	ARC 15-27	15-27-048-07W5	\$10.23
0112934	BELLATRIX LODGEPOLE 10-28	10-28-048-08W5	\$11.55
6850564	BONTERRA 09-22	09-22-048-08W5	\$14.39
0078643	NEWALTA 12-28	12-28-048-07W5	\$10.19
6850352	PENN WEST 08-35	08-35-049-08W5	\$14.39
0001700	PLAINS 13-24	13-24-048-07W5	\$8.15
0115698	SECURE 03-05	03-05-049-06W5	\$8.27

DRAYTON VALLEY LATERAL 1

6850422	ARC 07-35	07-35-049-07W5	\$14.75
6850680	PENN WEST 14-03	14-03-050-07W5	\$13.00

DRAYTON VALLEY LATERAL 2

6850314	BELLATRIX 12-19	12-19-049-08W5	\$12.64
1260058	KEYERA 10-07 B	10-07-051-09W5	\$9.41
6850410	PENN WEST 06-08	06-08-050-08W5	\$12.84
6850531	PENN WEST 06-22	06-22-050-09W5	\$14.39
6850409	PENN WEST 16-03	16-03-050-08W5	\$12.84

FACILITY CODE	DESCRIPTION	LSD	TARIFF (\$/m³)
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DRATON VALLEY LATERAL 3

6850011	BONTERRA 07-04	07-04-048-08W5	\$14.39
6850068	BONTERRA 14-30	14-30-047-08W5	\$14.39
6850669	PENN WEST 01-33	01-33-047-09W5	\$10.01
6850206	PENN WEST 08-28	08-28-047-08W5	\$14.39
6850677	PENN WEST 09-14	09-14-048-09W5	\$10.43
6850215	PENN WEST 09-26	09-26-047-09W5	\$12.84
6850027	PENN WEST 15-31	15-31-047-07W5	\$12.84
6850057	TAQA 06-02	06-02-048-09W5	\$12.64
0127228	TAQA 13-21	13-21-046-09W5	\$18.25

LATERAL 1

9670183	BELLATRIX 04-29	04-29-042-08W5	\$14.72
0113741	BONTERRA 03-36	03-36-043-09W5	\$15.22
9670078	PENN WEST 13-27	13-27-042-08W5	\$10.25

LATERAL 2

9670028	BONAVISTA 08-28	08-28-041-06W5	\$14.64
9670008	BONAVISTA 11-29	11-29-042-06W5	\$14.64
0088010	BONAVISTA 16-12	16-12-042-06W5	\$14.64
0000862	NEWALTA 14-07	14-07-043-06W5	\$10.05
9670035	PENN WEST 02-03	02-03-042-06W5	\$14.42
9670023	PENN WEST 04-02	04-02-042-07W5	\$11.30
9670025	PENN WEST 06-15	06-15-042-06W5	\$14.64
9670080	PENN WEST 06-21	06-21-042-07W5	\$13.09
9670001	PENN WEST 14-06	14-06-043-06W5	\$13.09
0061074	QUESTFIRE 15-17	15-17-042-06W5	\$14.64
0123956	SUNCOR 04-14	04-14-044-05W5	\$13.00

LATERAL 3

6850256	ARC 06-08	06-08-047-08W5	\$14.39
6850115	BONTERRA 02-05	02-05-047-07W5	\$12.84
6850318	BONTERRA 02-13	02-13-047-09W5	\$12.84
6850129	BONTERRA 08-04	08-04-047-07W5	\$12.84
6850121	BONTERRA 10-13	10-13-047-07W5	\$14.39
6850031	ENERPLUS 06-07	06-07-047-07W5	\$14.39
6850295	ENERPLUS 06-15	06-15-047-07W5	\$11.18
6850659	ENERPLUS 08-22	08-22-046-07W5	\$12.84
6850024	ENERPLUS 14-28	14-28-046-07W5	\$12.84
6850626	LONGVIEW 14-33	14-33-046-08W5	\$14.39
6850228	PENN WEST 06-19	06-19-045-06W5	\$13.51

FACILITY CODE	DESCRIPTION	LSD	TARIFF (\$/m ³)
0041304	PENN WEST 08-34	08-34-046-08W5	\$14.39
0101595	TERVITA BUCK CREEK 12-05	12-05-047-06W5	\$8.48

LATERAL 4

6850155	ARC 14-27	14-27-047-07W5	\$14.39
6850803	ARC 14-29	14-29-048-06W5	\$12.84
6850378	BONTERRA 06-31	06-31-047-06W5	\$13.27
6850327	BONTERRA 15-12	15-12-048-07W5	\$14.87
6850080	HUSKY 07-29	07-29-047-07W5	\$12.84
6850625	PENN WEST 14-20	14-20-048-06W5	\$14.87

LATERAL 5

6850427	ARC 14-14	14-14-048-06W5	\$14.39
6850672	ARC 15-15	15-15-049-06W5	\$9.34
6850623	BONTERRA 08-02	08-02-048-06W5	\$12.84
6850424	BONTERRA 16-07	16-07-048-05W5	\$14.39
0098966	DAYLIGHT 13-02	13-02-050-06W5	\$9.39
6850351	PENN WEST 02-07	02-07-049-06W5	\$14.16
0113124	WHITECAP 13-16	13-16-048-05W5	\$14.16

LATERAL 6

0112311	ANTERRA 10-35	10-35-047-04W5	\$9.79
0043610	BAYTEX 02-27	02-27-046-02W5	\$12.26
0103396	BONTERRA 04-25	04-25-047-03W5	\$8.50
0040518	BONTERRA 05-35	05-35-048-04W5	\$11.50
6850511	DAYLIGHT 06-16	06-16-048-03W5	\$12.26
6850505	DAYLIGHT 08-02	08-02-048-03W5	\$10.15
6850570	DAYLIGHT 16-34	16-34-047-02W5	\$10.43
0000052	NEW STAR 10-04	10-04-051-04W5	\$11.17
6850006	NEP 02-35	02-35-046-02W5	\$12.26
0064198	PENN WEST 06-01	06-01-046-02W5	\$12.26
2410056	PENN WEST 09-06	09-06-046-03W5	\$9.45
0078334	PENN WEST 13-17	13-17-046-01W5	\$10.29
0121599	WHITECAP 04-27	04-27-047-02W5	\$12.00
0106710	WHITECAP SPRY 05-03	05-03-048-03W5	\$8.50

LATERAL 7

9640006	RAVENWOOD 05-04	05-04-049-01W5	\$12.84
6850701	RAVENWOOD 16-36	16-36-048-02W5	\$11.17

LATERAL 8

0087430	NEP 10-22	10-22-050-26W4	\$7.88
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FACILITY CODE	DESCRIPTION	LSD	TARIFF (\$/m³)
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LATERAL 9

0001392	CONOCO 12-01	12-01-049-16W5	\$16.00
0001121	KEYERA 06-10 GAS PLANT	06-10-044-12W5	\$16.00
0001108	KEYERA 06-12 GAS PLANT	06-12-046-14W5	\$16.00

LATERAL 10

0001482	BLAZE 04-31	04-31-048-12W5	\$13.86
6850187	IMPERIAL 03-28	03-28-049-11W5	\$13.00
0087629	KEYERA 11-22	11-22-049-12W5	\$12.80
0047906	VERMILION 12-03	12-03-050-13W5	\$12.60

PEMBINA RIVER 1

6850374	BONTERRA 06-03	06-03-050-09W5	\$14.39
6850064	PENN WEST 06-06	06-06-049-09W5	\$12.84
6850246	PENN WEST 11-22	11-22-049-09W5	\$12.84

PEMBINA RIVER 2

6850559	IMPERIAL 06-03	06-03-051-10W5	\$14.39
6850231	PENN WEST 16-19	16-19-048-09W5	\$12.84
2710001	VERMILION 09-16	09-16-051-11W5	\$10.03
0125201	VERMILION 15-16	15-16-051-11W5	\$11.00

PEMBINA RIVER 5

0000961	GIBSON NITON TERMINAL	13-27-053-12W5	\$10.95
6850088	IMPERIAL 06-08	06-08-050-10W5	\$12.51
6850358	IMPERIAL 14-05	14-05-049-10W5	\$14.39
2710009	IMPERIAL 14-30	14-30-051-10W5	\$10.43
0000849	NEWALTA 06-33	06-33-053-12W5	\$10.36
1960018	PENN WEST 02-18	02-18-052-11W5	\$12.21
6850139	PENN WEST 14-02	14-02-050-10W5	\$14.39
6850084	PENN WEST 04-27	04-27-049-10W5	\$14.39
6850541	PENN WEST 08-09	08-09-049-10W5	\$14.39

PEMBINA RIVER 6

0000930	CYN-PEMBINA TERMINAL	02-13-050-12W5	\$11.72
6850891	IMPERIAL 06-12	06-12-050-11W5	\$14.39
6850383	IMPERIAL 06-23	06-23-049-11W5	\$14.39
6850540	IMPERIAL 08-10	08-10-050-11W5	\$14.39
6850089	IMPERIAL 08-21	08-21-049-11W5	\$12.84
6850589	IMPERIAL 15-06	15-06-050-11W5	\$12.84
0685633	STYLUS 02-24	02-24-050-12W5	\$14.39

FACILITY CODE	DESCRIPTION	LSD	TARIFF (\$/m ³)
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WHITE PRODUCTS

1680130	CONOCO 06-33	06-33-046-14W5	\$17.08
1680186	CONOCO 14-13	14-13-046-13W5	\$19.30
0040185	DEE THREE 06-27	06-27-047-14W5	\$14.50
0001458	KEYERA WEST PEMBINA 12-10	12-10-047-14W5	\$12.49
1680012	KEYERA 16-35	16-35-048-12W5	\$12.74
6850367	LIGHTSTREAM 14-08	14-08-48-10 W5M	\$17.35
6850544	PENN WEST 08-15-048	08-15-048-10W5	\$14.87
6850247	PENN WEST 08-33	08-33-048-10W5	\$15.37
0000714	TERVITA 11-03	11-03-047-11W5	\$13.02
6850846	TORC 06-01	06-01-049-12W5	\$15.75

OTHER

0079273	BAYTEX 16-34	16-34-048-09W5	\$11.73
0001987	CONOCO 13-35	13-35-047-10W5	\$14.31
0123049	DAYLIGHT 11-14	11-14-050-08W5	\$11.73
0114177	DAYLIGHT VG TERMINAL 16-29	16-29-048-09W5	\$11.73

NOTE:

All facilities delivering less than 30 m³/d will be charged \$6.00 /m³ for the difference between 30 m³/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 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.** The Shipper Tolerance Margin is calculated by Petroleum type and is equal to 1.25 % 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
DRYATON VALLEY PIPELINE SPECIFICATIONS**

DRAYTON VALLEY PIPELINE PETROLEUM SPECIFICATIONS	HIGH SULPHUR CRUDE (SLE)	SWEET CRUDE	CONDENSATE
Absolute Density (in kg/m ³ at 15°C by ASTM D5002)	876-776	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 & ◀12.0	◀ 5.0	◀ 5.0
Organic Chlorides (in mg/kg in the total crude by ASTM D4929)	◀ 1	◀ 1	◀ 1
Mercaptans, volatile (cummulative 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 (BTEX) (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 (cP @ 10.0 °C by ASTM D445)	◀30		

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.