



ENBRIDGE PIPELINES INC.

IN CONNECTION WITH

ENBRIDGE ENERGY, LIMITED PARTNERSHIP INTERNATIONAL JOINT RATE TARIFF

APPLYING ON
CRUDE PETROLEUM, CONDENSATES AND NATURAL GAS LIQUIDS

FROM
POINTS IN THE PROVINCES OF ALBERTA, SASKATCHEWAN, AND MANITOBA,

TO
POINTS IN THE PROVINCE OF ONTARIO AND POINTS IN THE STATES OF ILLINOIS, INDIANA,
MICHIGAN, MINNESOTA, AND WISCONSIN

USING JOINT ROUTING AS DEPICTED ON PAGE 5 OF THIS TARIFF

The transportation rates listed in this tariff are subject to the Rules and Regulations published by:

Enbridge Pipelines Inc., Canada Energy Regulator (CER) Tariff Nos. 497, 498, and 499 and reissues thereof, on file with the CER, for transportation within Canada.

Enbridge Energy, Limited Partnership FERC Tariff Nos. 41.18.0 and 42.5.0, and reissues thereof, for transportation within the United States.

The rates listed in this tariff are payable in United States currency and are applicable on the international movement of Crude Petroleum, Condensates and Natural Gas Liquids tendered to Enbridge Pipelines Inc. at established receiving points in Canada for delivery to established receiving points in Canada for delivery to established delivery points in the United States and Canada.

Issued on **[W] fifteen (15) ~~sixteen (16)~~** days' notice under authority of 18 CFR 341.14. This tariff publication is conditionally accepted subject to refund pending a 30-day review period.

Filed in compliance with 18 CFR 341.3 (Form of Tariff).

The provisions published herein will, if effective, not result in an effect on the quality of the human environment.

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EFFECTIVE: October 1, 2022

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TRANSPORTATION RATES

Commodities shall be classified on the basis of the density and viscosity of such commodities at the time of receipt by Enbridge Pipelines Inc. and assessed a transportation rate as listed in the transportation rate tables below. Density shall be based on 15°C. Viscosity shall be based on Enbridge Pipelines Inc.'s reference line temperature at the time of receipt. Where the density of a commodity falls within the density range of one commodity classification and the viscosity of the commodity falls within the viscosity range of another commodity classification, then the commodity shall be deemed to be in the commodity classification with the higher transportation rate.

NATURAL GAS LIQUIDS (NGL) - A commodity having a maximum absolute vapor pressure of 1,250 kilopascals at 37.8°C and a density of up to but not including 600 kilograms per cubic meter (kg/m³) and a viscosity of up to but not including 0.4 square millimeters per second (mm²/s) will be classified as **Natural Gas Liquids**.

CONDENSATES (CND) – A commodity having a density from 600 kg/ m³ up to but not including 800 kg/ m³ and a viscosity of 0.4 mm²/s up to but not including 2 mm²/s will be classified as **Condensates**.

LIGHT CRUDE PETROLEUM (LIGHT) - A commodity having a density from 800 kg/m³ up to but not including 876 kg/m³ and a viscosity from 2 mm²/s up to but not including 20 mm²/s will be classified as **Light Crude Petroleum**.

MEDIUM CRUDE PETROLEUM (MEDIUM) - A commodity having a density from 876 kg/m³ up to but not including 904 kg/m³ and a viscosity from 20 mm²/s up to but not including 100 mm²/s will be classified as **Medium Crude Petroleum**.

HEAVY CRUDE PETROLEUM (HEAVY) - A commodity having a density from 904 kg/m³ to 940 kg/m³ inclusive and a viscosity from 100 up to and including 350 mm²/s will be classified as **Heavy Crude Petroleum**.

The following tables provide rates including Transmission and Terminalling Charges, as well as the Abandonment Surcharges, the Edmonton Transportation Surcharge, the Phase 1 Southern Access Expansion Surcharge, the Interim Lakehead Operational Tank Surcharge, the Line 78 (Line 62 Twin) Surcharge, the CTS Section 20.1 surcharge, the Non-Performance Penalty and the Line 3 Replacement Surcharges. For further information on the applicable tankage charges in Canada and the United States, refer to Enbridge Pipelines Inc.'s Interim CER Tariff No. [W] 511 507, Enbridge Pipelines Inc.'s Interim CER RT Tariff No. 22-1, and Enbridge Energy, Limited Partnership's FERC Tariff No. 43.45.0. For the applicable Oil Allowance charges in Canada and the United States, refer to Enbridge Pipelines Inc.'s CER Tariff No. [W] 511 507, and Enbridge Energy, Limited Partnership's FERC Tariff No. 41.18.0.

[!] All rates on this page have increased.

**INTERNATIONAL JOINT TRANSPORTATION RATES FOR ENBRIDGE PIPELINES INC.
AND ENBRIDGE ENERGY, LIMITED PARTNERSHIP**

INTERNATIONAL JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER						
From	To	Rate				
		NGL	CND	LIGHT	MEDIUM	HEAVY
Edmonton Terminal, Alberta	Clearbrook, Minnesota		19.6233	20.5452	21.6162	23.4925
	Superior, Wisconsin	22.3138	23.1459	24.0750	25.3636	27.6176
	Lockport, Illinois		32.0347	32.9807	34.8016	37.9917
	Mokena, Illinois		32.0347	32.9807	34.8016	37.9917
	Flanagan, Illinois		31.5732	32.5192	34.3401	37.5302
	Griffith, Indiana		32.0347	32.9807	34.8016	37.9917
	Stockbridge, Michigan		35.0872	36.0397	38.0565	41.5904
	Rapid River, Michigan	27.2147				
	Marysville, Michigan		35.0872	36.0397	38.0565	41.5904
	Corunna or Sarnia Terminal, Ontario	33.8313	35.4878	36.4491	38.4765	42.0220
	Westover, Ontario		37.6088	38.7140	40.8848	44.6818
	Nanticoke, Ontario		38.4139	39.5735	41.7988	45.6912
Hardisty Terminal, Alberta	Clearbrook, Minnesota			16.8644	17.8064	19.4573
	Superior, Wisconsin			20.3942	21.5538	23.5824
	Lockport, Illinois			29.3001	30.9920	33.9564
	Mokena, Illinois			29.3001	30.9920	33.9564
	Flanagan, Illinois			28.8386	30.5305	33.4949
	Griffith, Indiana			29.3001	30.9920	33.9564
	Stockbridge, Michigan			32.3589	34.2468	37.5551
	Rapid River, Michigan					
	Marysville, Michigan			32.3589	34.2468	37.5551
	Corunna or Sarnia Terminal, Ontario			32.7688	34.6671	37.9872
	Westover, Ontario			35.0334	37.0753	40.6467
	Nanticoke, Ontario			35.8926	37.9892	41.6560

[!] All rates on this page have increased.

INTERNATIONAL JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER						
From	To	Rate				
		NGL	CND	LIGHT	MEDIUM	HEAVY
Kerrobot Station, Saskatchewan	Clearbrook, Minnesota			14.5689		16.8051
	Superior, Wisconsin	16.6605		18.0987		20.9302
	Lockport, Illinois			27.0045		31.3043
	Mokena, Illinois			27.0045		31.3043
	Flanagan, Illinois			26.5430		30.8428
	Griffith, Indiana			27.0045		31.3043
	Stockbridge, Michigan			30.0634		34.9030
	Rapid River, Michigan	21.5616				
	Marysville, Michigan			30.0634		34.9030
	Corunna or Sarnia Terminal, Ontario	28.1781		30.4729		35.3348
	Westover, Ontario			32.7377		37.9944
	Nanticoke, Ontario			33.5971		39.0038
Regina Terminal, Saskatchewan	Clearbrook, Minnesota			10.4694		11.9905
	Superior, Wisconsin			13.9990		16.1156
	Lockport, Illinois			22.9049		26.4898
	Mokena, Illinois			22.9049		26.4898
	Flanagan, Illinois			22.4434		26.0283
	Griffith, Indiana			22.9049		26.4898
	Stockbridge, Michigan			25.9637		30.0886
	Rapid River, Michigan					
	Marysville, Michigan			25.9637		30.0886
	Corunna or Sarnia Terminal, Ontario			26.3732		30.5203
	Westover, Ontario			28.6380		33.1800
	Nanticoke, Ontario			29.4976		34.1892
Cromer Terminal, Manitoba	Clearbrook, Minnesota			7.5077	7.8724	8.5124
	Superior, Wisconsin	10.1593		11.0377	11.6199	12.6376
	Lockport, Illinois			19.9435	21.0577	23.0115
	Mokena, Illinois			19.9435	21.0577	23.0115
	Flanagan, Illinois			19.4820	20.5962	22.5500
	Griffith, Indiana			19.9435	21.0577	23.0115
	Stockbridge, Michigan			23.0024	24.3126	26.6102
	Rapid River, Michigan	15.0604				
	Marysville, Michigan			23.0024	24.3126	26.6102
	Corunna or Sarnia Terminal, Ontario	21.6768		23.4117	24.7325	27.0421
	Westover, Ontario			25.6765	27.1410	29.7019
	Nanticoke, Ontario			26.5361	28.0549	30.7112

Notes

- a) **Abandonment Surcharge:** The transportation rates include Abandonment Surcharges for transmission and terminalling pursuant to National Energy Board Decision MH-001-2013 and Order MO-030-2014 for movements of all commodities. All movements to the United States incur a receipt terminalling Abandonment Surcharge. Movements to Corunna or Sarnia Terminal, Ontario and Nanticoke, Ontario incur both a receipt and delivery terminalling Abandonment Surcharge.
- b) **Edmonton Transportation Surcharge:** Pursuant to CTS Section 16.3, the transportation tolls from the Edmonton Terminal, Alberta receiving point include a surcharge for transmission and terminalling, which is not adjusted for distance or commodity type.
- c) **Phase 1 Southern Access Expansion Surcharge:** Pursuant to CTS Section 16.3, the transportation tolls for all movements downstream of Superior, Wisconsin include a surcharge, which is not adjusted for distance or commodity type.
- d) **Interim Lakehead Operational Tank Surcharge:** Pursuant to CTS Section 16.3, the transportation tolls for all movements downstream of Superior, Wisconsin include a surcharge, which is not adjusted for distance or commodity type.
- e) **Line 78 (Line 62 Twin) Surcharge:** Pursuant to CTS Section 16.3, the transportation tolls for all commodity movements into and east of Chicago include a surcharge, which is not adjusted for distance or commodity type.
- f) **CTS Section 20.1(i) Surcharge:** Pursuant to CTS Section 20.1(i), the transportation tolls include a surcharge for Regulatory Change(s) or Enbridge Specific Regulatory Change(s), which is adjusted for distance and commodity type.
- g) **Non-Performance Penalty:** The transportation tolls for all commodity movements include a surcredit for refund of collections under the Non-Performance Penalty, which is adjusted for distance only.
- h) **Line 3 Replacement Surcharges:** Pursuant to CER Toll Order TO-03-2021, the transportation rates for all movements include a transmission surcharge, which is adjusted for distance only, and a receipt terminalling rate for all movement from Edmonton or Hardisty, Alberta. The L3R Surcharges include, if applicable, an ex-Gretna volume related transmission rate adjustments in accordance with Final IRS # 2013-02-A and Final IRS #2013-02-B.

JOINT ROUTING

Receipt Points in the provinces of Alberta, Saskatchewan, and Manitoba to delivery points in the province of Ontario and the states of Illinois, Indiana, Michigan, Minnesota and Wisconsin.

Enbridge Pipelines Inc. – Edmonton or Hardisty, Alberta; Kerrobert or Regina, Saskatchewan; or Cromer, Manitoba to the International Border near Gretna, Manitoba, connecting to;

Enbridge Energy, Limited Partnership – International Border near Neche, North Dakota to Clearbrook, Minnesota; Superior, Wisconsin; Flanagan, Lockport or Mokena, Illinois; Griffith, Indiana; Stockbridge or Rapid River, Michigan; or Marysville, Michigan, connecting to;

Enbridge Pipelines Inc. – International Border near Sarnia, Ontario to Corunna or Sarnia Terminal, Ontario or Westover, Ontario or Nanticoke, Ontario

EXCEPTIONS

For exceptions to Enbridge Pipelines Inc., Rules and Regulations and Enbridge Energy, Limited Partnership, Rules and Regulations, see the following:

- a) **Exception to Enbridge Energy, Limited Partnership's Rules and Regulations FERC No. 41.18.0 Item 9 (h) and FERC No. 42.5.0 Item 10 (i).** For the purposes of this international joint tariff, Enbridge Pipelines Inc. shall collect in kind a percentage, in the amount of 1/10th of 1 percent of all hydrocarbons physically delivered at the designated Regular Delivery Point.
- b) **Exception to Enbridge Energy, Limited Partnership's Rules and Regulations FERC No. 41.18.0 Item 7 (a) and FERC No. 42.5.0 Item 8 (c).** For the purposes of this international joint tariff, Enbridge Pipelines Inc. shall charge a shipper the rate for the transportation of Crude Petroleum that is in effect on the date of delivery at the designated Regular Delivery Point for such Crude Petroleum.

SYMBOLS:

[I] – Increase

[W] – Change in wording only

Enbridge Pipelines Inc. and Enbridge Energy, Limited Partnership
International Joint Transportation Rates (1)
Worksheet Supporting CER Tariff No. 512 and FERC No. 45.30.0
Effective: October 1, 2022

JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Natural Gas Liquids												
NGL Toll (\$/m3)												
FROM	TO	CER No. 508 FERC No. 45.29.0 Transmission & Terminalling	CTS Section 20.1 (I) Surcharge	Abandonment Surcharge	Edmonton Transportation Surcharge	Phase 1 Southern Access Expansion Surcharge	Interim Lakehead Operation Tank Surcharge	Line 78 (Line 62) Surcharge	Line 3 Replacement Surcharges (2)	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment (2)	Non- Performance Penalty Credit (3)	Total CER No. 512 & FERC No. 45.30.0
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)=(A)+(B)+(C)+ (D)+(E)+(F)+(G)+ (H)+(I)+(J)
Edmonton, Alberta	Superior, Wisconsin	15.8904	0.3688	0.2400	1.6482	-	-	-	4.4986	(0.3322)	-	22.3138
	Rapid River, Michigan	19.0347	0.4764	0.2400	1.6482	0.1978	0.0659	0.4615	5.5008	(0.4106)	-	27.2147
	Corunna or Sarnia Terminal, Ontario	24.1122	0.6359	0.2448	1.6482	0.1978	0.0659	0.4615	6.9922	(0.5272)	-	33.8313
Kerrobert, Saskatchewan	Superior, Wisconsin	13.0477	0.3029	0.1730	-	-	-	-	3.4031	(0.2662)	-	16.6605
	Rapid River, Michigan	16.1921	0.4105	0.1730	-	0.1978	0.0659	0.4615	4.4053	(0.3445)	-	21.5616
	Corunna or Sarnia Terminal, Ontario	21.2696	0.5700	0.1778	-	0.1978	0.0659	0.4615	5.8967	(0.4612)	-	28.1781
Cromer, Manitoba	Superior, Wisconsin	8.1241	0.1886	0.0571	-	-	-	-	1.9413	(0.1518)	-	10.1593
	Rapid River, Michigan	11.2686	0.2962	0.0571	-	0.1978	0.0659	0.4615	2.9435	(0.2302)	-	15.0604
	Corunna or Sarnia Terminal, Ontario	16.3462	0.4556	0.0618	-	0.1978	0.0659	0.4615	4.4349	(0.3469)	-	21.6768

1 International Joint Toll in U.S. Dollar per Cubic Meter

2 Final toll basis per CER Order TO-003-2021

3 Final toll basis per NEB Order TO-003-2014

JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Condensate												
CND Toll (\$/m3)												
FROM	TO	CER No. 508 FERC No. 45.29.0 Transmission & Terminalling	CTS Section 20.1 (i) Surcharge	Abandonment Surcharge	Edmonton Transportation Surcharge	Phase 1 Southern Access Expansion Surcharge	Interim Lakehead Operation Tank Surcharge	Line 78 (Line 62) Surcharge	Line 3 Replacement Surcharges (2)	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment (2)	Non- Performance Penalty Credit (3)	Total CER No. 512 & FERC No. 45.30.0
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)=(A)+(B)+(C)+ (D)+(E)+(F)+(G)+ (H)+(I)+(J)
Edmonton, Alberta	Clearbrook, Minnesota	13.9462	0.2966	0.2400	1.6482	-	-	-	3.7673	(0.2750)	-	19.6233
	Superior, Wisconsin	16.7143	0.3770	0.2400	1.6482	-	-	-	4.4986	(0.3322)	-	23.1459
	Lockport, Illinois	23.0178	0.5750	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.4732)	-	32.0347
	Mokena, Illinois	23.0178	0.5750	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.4732)	-	32.0347
	Flanagan, Illinois	23.0178	0.5750	0.2400	1.6482	0.1978	0.0659	-	6.3017	(0.4732)	-	31.5732
	Griffith, Indiana	23.0178	0.5750	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.4732)	-	32.0347
	Stockbridge, Michigan	25.3876	0.6477	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.5249)	-	35.0872
	Marysville, Michigan	25.3876	0.6477	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.5249)	-	35.0872
	Corunna or Sarnia Terminal, Ontario	25.7547	0.6499	0.2448	1.6482	0.1978	0.0659	0.4615	6.9922	(0.5272)	-	35.4878
	Westover, Ontario	27.3688	0.6874	0.2820	1.6482	0.1978	0.0659	0.4615	7.4611	(0.5639)	-	37.6088
Nanticoke, Ontario	27.9815	0.7017	0.2961	1.6482	0.1978	0.0659	0.4615	7.6390	(0.5778)	-	38.4139	

JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Light Crude Petroleum												
LGT Toll (\$/m3)												
FROM	TO	CER No. 508 FERC No. 45.29.0 Transmission & Terminalling	CTS Section 20.1 (j) Surcharge	Abandonment Surcharge	Edmonton Transportation Surcharge	Phase 1 Southern Access Expansion Surcharge	Interim Lakehead Operation Tank Surcharge	Line 78 (Line 62) Surcharge	Line 3 Replacement Surcharges (2)	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment (2)	Non- Performance Penalty Credit (3)	Total CER No. 512 & FERC No. 45.30.0
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)=(A)+(B)+(C)+ (D)+(E)+(F)+(G)+ (H)+(I)+(J)
Edmonton, Alberta	Clearbrook, Minnesota	14.8422	0.3225	0.2400	1.6482	-	-	-	3.7673	(0.2750)	-	20.5452
	Superior, Wisconsin	17.6106	0.4098	0.2400	1.6482	-	-	-	4.4986	(0.3322)	-	24.0750
	Lockport, Illinois	23.9137	0.6251	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.4732)	-	32.9807
	Mokena, Illinois	23.9137	0.6251	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.4732)	-	32.9807
	Flanagan, Illinois	23.9137	0.6251	0.2400	1.6482	0.1978	0.0659	-	6.3017	(0.4732)	-	32.5192
	Griffith, Indiana	23.9137	0.6251	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.4732)	-	32.9807
	Stockbridge, Michigan	26.2838	0.7040	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.5249)	-	36.0397
	Marysville, Michigan	26.2838	0.7040	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.5249)	-	36.0397
	Corunna or Sarnia Terminal, Ontario	26.6595	0.7064	0.2448	1.6482	0.1978	0.0659	0.4615	6.9922	(0.5272)	-	36.4491
	Westover, Ontario	28.4142	0.7472	0.2820	1.6482	0.1978	0.0659	0.4615	7.4611	(0.5639)	-	38.7140
Nanticoke, Ontario	29.0801	0.7627	0.2961	1.6482	0.1978	0.0659	0.4615	7.6390	(0.5778)	-	39.5735	
Hardisty, Alberta	Clearbrook, Minnesota	13.2675	0.2858	0.2066	-	-	-	-	3.3466	(0.2421)	-	16.8644
	Superior, Wisconsin	16.0359	0.3731	0.2066	-	-	-	-	4.0779	(0.2993)	-	20.3942
	Lockport, Illinois	22.3392	0.5884	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.4403)	-	29.3001
	Mokena, Illinois	22.3392	0.5884	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.4403)	-	29.3001
	Flanagan, Illinois	22.3392	0.5884	0.2066	-	0.1978	0.0659	-	5.8810	(0.4403)	-	28.8386
	Griffith, Indiana	22.3392	0.5884	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.4403)	-	29.3001
	Stockbridge, Michigan	24.7092	0.6673	0.2066	-	0.1978	0.0659	0.4615	6.5426	(0.4920)	-	32.3589
	Marysville, Michigan	24.7092	0.6673	0.2066	-	0.1978	0.0659	0.4615	6.5426	(0.4920)	-	32.3589
	Corunna or Sarnia Terminal, Ontario	25.0851	0.6699	0.2114	-	0.1978	0.0659	0.4615	6.5715	(0.4943)	-	32.7688
	Westover, Ontario	26.8396	0.7107	0.2486	-	0.1978	0.0659	0.4615	7.0403	(0.5310)	-	35.0334
Nanticoke, Ontario	27.5053	0.7261	0.2627	-	0.1978	0.0659	0.4615	7.2182	(0.5449)	-	35.8926	

JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Light Crude Petroleum												
LGT Toll (\$/m3)												
FROM	TO	CER No. 508 FERC No. 45.29.0 Transmission & Terminalling	CTS Section 20.1 (I) Surcharge	Abandonment Surcharge	Edmonton Transportation Surcharge	Phase 1 Southern Access Expansion Surcharge	Interim Lakehead Operation Tank Surcharge	Line 78 (Line 62) Surcharge	Line 3 Replacement Surcharges (2)	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment (2)	Non- Performance Penalty Credit (3)	Total CER No. 512 & FERC No. 45.30.0
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)=(A)+(B)+(C)+ (D)+(E)+(F)+(G)+ (H)+(I)+(J)
Kerrobert, Saskatchewan	Clearbrook, Minnesota	11.6839	0.2492	0.1730	-	-	-	-	2.6718	(0.2090)	-	14.5689
	Superior, Wisconsin	14.4523	0.3365	0.1730	-	-	-	-	3.4031	(0.2662)	-	18.0987
	Lockport, Illinois	20.7555	0.5518	0.1730	-	0.1978	0.0659	0.4615	5.2062	(0.4072)	-	27.0045
	Mokena, Illinois	20.7555	0.5518	0.1730	-	0.1978	0.0659	0.4615	5.2062	(0.4072)	-	27.0045
	Flanagan, Illinois	20.7555	0.5518	0.1730	-	0.1978	0.0659	-	5.2062	(0.4072)	-	26.5430
	Griffith, Indiana	20.7555	0.5518	0.1730	-	0.1978	0.0659	0.4615	5.2062	(0.4072)	-	27.0045
	Stockbridge, Michigan	23.1255	0.6307	0.1730	-	0.1978	0.0659	0.4615	5.8679	(0.4589)	-	30.0634
	Marysville, Michigan	23.1255	0.6307	0.1730	-	0.1978	0.0659	0.4615	5.8679	(0.4589)	-	30.0634
	Corunna or Sarnia Terminal, Ontario	23.5012	0.6332	0.1778	-	0.1978	0.0659	0.4615	5.8967	(0.4612)	-	30.4729
Regina, Saskatchewan	Westover, Ontario	25.2559	0.6739	0.2150	-	0.1978	0.0659	0.4615	6.3656	(0.4979)	-	32.7377
	Nanticoke, Ontario	25.9217	0.6894	0.2291	-	0.1978	0.0659	0.4615	6.5435	(0.5118)	-	33.5971
	Clearbrook, Minnesota	8.5077	0.1755	0.1057	-	-	-	-	1.8231	(0.1426)	-	10.4694
	Superior, Wisconsin	11.2759	0.2628	0.1057	-	-	-	-	2.5544	(0.1998)	-	13.9990
	Lockport, Illinois	17.5792	0.4781	0.1057	-	0.1978	0.0659	0.4615	4.3575	(0.3408)	-	22.9049
	Mokena, Illinois	17.5792	0.4781	0.1057	-	0.1978	0.0659	0.4615	4.3575	(0.3408)	-	22.9049
	Flanagan, Illinois	17.5792	0.4781	0.1057	-	0.1978	0.0659	-	4.3575	(0.3408)	-	22.4434
	Griffith, Indiana	17.5792	0.4781	0.1057	-	0.1978	0.0659	0.4615	4.3575	(0.3408)	-	22.9049
	Stockbridge, Michigan	19.9492	0.5570	0.1057	-	0.1978	0.0659	0.4615	5.0192	(0.3926)	-	25.9637
Cromer, Manitoba	Marysville, Michigan	19.9492	0.5570	0.1057	-	0.1978	0.0659	0.4615	5.0192	(0.3926)	-	25.9637
	Corunna or Sarnia Terminal, Ontario	20.3248	0.5595	0.1105	-	0.1978	0.0659	0.4615	5.0480	(0.3948)	-	26.3732
	Westover, Ontario	22.0796	0.6001	0.1477	-	0.1978	0.0659	0.4615	5.5169	(0.4315)	-	28.6380
	Nanticoke, Ontario	22.7456	0.6156	0.1618	-	0.1978	0.0659	0.4615	5.6948	(0.4454)	-	29.4976
	Clearbrook, Minnesota	6.2130	0.1222	0.0571	-	-	-	-	1.2100	(0.0946)	-	7.5077
	Superior, Wisconsin	8.9816	0.2095	0.0571	-	-	-	-	1.9413	(0.1518)	-	11.0377
	Lockport, Illinois	15.2849	0.4248	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.2929)	-	19.9435
	Mokena, Illinois	15.2849	0.4248	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.2929)	-	19.9435
	Flanagan, Illinois	15.2849	0.4248	0.0571	-	0.1978	0.0659	-	3.7444	(0.2929)	-	19.4820
Griffith, Indiana	15.2849	0.4248	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.2929)	-	19.9435	
Cromer, Manitoba	Stockbridge, Michigan	17.6549	0.5037	0.0571	-	0.1978	0.0659	0.4615	4.4061	(0.3446)	-	23.0024
	Marysville, Michigan	17.6549	0.5037	0.0571	-	0.1978	0.0659	0.4615	4.4061	(0.3446)	-	23.0024
	Corunna or Sarnia Terminal, Ontario	18.0305	0.5062	0.0618	-	0.1978	0.0659	0.4615	4.4349	(0.3469)	-	23.4117
	Westover, Ontario	19.7851	0.5469	0.0990	-	0.1978	0.0659	0.4615	4.9038	(0.3835)	-	25.6765
	Nanticoke, Ontario	20.4510	0.5624	0.1132	-	0.1978	0.0659	0.4615	5.0817	(0.3974)	-	26.5361

JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Medium Crude Petroleum												
MED Toll (\$/m3)												
FROM	TO	CER No. 508 FERC No. 45.29.0 Transmission & Terminalling	CTS Section 20.1 (i) Surcharge	Abandonment Surcharge	Edmonton Transportation Surcharge	Phase 1 Southern Access Expansion Surcharge	Interim Lakehead Operation Tank Surcharge	Line 78 (Line 62) Surcharge	Line 3 Replacement Surcharges (2)	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment (2)	Non- Performance Penalty Credit (3)	Total CER No. 512 & FERC No. 45.30.0
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)=(A)+(B)+(C)+ (D)+(E)+(F)+(G)+ (H)+(I)+(J)
Edmonton, Alberta	Clearbrook, Minnesota	15.8876	0.3481	0.2400	1.6482	-	-	-	3.7673	(0.2750)	-	21.6162
	Superior, Wisconsin	18.8666	0.4424	0.2400	1.6482	-	-	-	4.4986	(0.3322)	-	25.3636
	Lockport, Illinois	25.6847	0.6750	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.4732)	-	34.8016
	Mokena, Illinois	25.6847	0.6750	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.4732)	-	34.8016
	Flanagan, Illinois	25.6847	0.6750	0.2400	1.6482	0.1978	0.0659	-	6.3017	(0.4732)	-	34.3401
	Griffith, Indiana	25.6847	0.6750	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.4732)	-	34.8016
	Stockbridge, Michigan	28.2443	0.7603	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.5249)	-	38.0565
	Marysville, Michigan	28.2443	0.7603	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.5249)	-	38.0565
	Corunna or Sarnia Terminal, Ontario	28.6303	0.7630	0.2448	1.6482	0.1978	0.0659	0.4615	6.9922	(0.5272)	-	38.4765
	Westover, Ontario	30.5252	0.8070	0.2820	1.6482	0.1978	0.0659	0.4615	7.4611	(0.5639)	-	40.8848
Nanticoke, Ontario	31.2443	0.8238	0.2961	1.6482	0.1978	0.0659	0.4615	7.6390	(0.5778)	-	41.7988	
Hardisty, Alberta	Clearbrook, Minnesota	14.1867	0.3086	0.2066	-	-	-	-	3.3466	(0.2421)	-	17.8064
	Superior, Wisconsin	17.1657	0.4029	0.2066	-	-	-	-	4.0779	(0.2993)	-	21.5538
	Lockport, Illinois	23.9840	0.6355	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.4403)	-	30.9920
	Mokena, Illinois	23.9840	0.6355	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.4403)	-	30.9920
	Flanagan, Illinois	23.9840	0.6355	0.2066	-	0.1978	0.0659	-	5.8810	(0.4403)	-	30.5305
	Griffith, Indiana	23.9840	0.6355	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.4403)	-	30.9920
	Stockbridge, Michigan	26.5436	0.7208	0.2066	-	0.1978	0.0659	0.4615	6.5426	(0.4920)	-	34.2468
	Marysville, Michigan	26.5436	0.7208	0.2066	-	0.1978	0.0659	0.4615	6.5426	(0.4920)	-	34.2468
	Corunna or Sarnia Terminal, Ontario	26.9297	0.7236	0.2114	-	0.1978	0.0659	0.4615	6.5715	(0.4943)	-	34.6671
	Westover, Ontario	28.8247	0.7675	0.2486	-	0.1978	0.0659	0.4615	7.0403	(0.5310)	-	37.0753
Nanticoke, Ontario	29.5437	0.7843	0.2627	-	0.1978	0.0659	0.4615	7.2182	(0.5449)	-	37.9892	
Cromer, Manitoba	Clearbrook, Minnesota	6.5681	0.1318	0.0571	-	-	-	-	1.2100	(0.0946)	-	7.8724
	Superior, Wisconsin	9.5472	0.2261	0.0571	-	-	-	-	1.9413	(0.1518)	-	11.6199
	Lockport, Illinois	16.3652	0.4587	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.2929)	-	21.0577
	Mokena, Illinois	16.3652	0.4587	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.2929)	-	21.0577
	Flanagan, Illinois	16.3652	0.4587	0.0571	-	0.1978	0.0659	-	3.7444	(0.2929)	-	20.5962
	Griffith, Indiana	16.3652	0.4587	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.2929)	-	21.0577
	Stockbridge, Michigan	18.9248	0.5440	0.0571	-	0.1978	0.0659	0.4615	4.4061	(0.3446)	-	24.3126
	Marysville, Michigan	18.9248	0.5440	0.0571	-	0.1978	0.0659	0.4615	4.4061	(0.3446)	-	24.3126
	Corunna or Sarnia Terminal, Ontario	19.3108	0.5467	0.0618	-	0.1978	0.0659	0.4615	4.4349	(0.3469)	-	24.7325
	Westover, Ontario	21.2058	0.5907	0.0990	-	0.1978	0.0659	0.4615	4.9038	(0.3835)	-	27.1410
Nanticoke, Ontario	21.9248	0.6074	0.1132	-	0.1978	0.0659	0.4615	5.0817	(0.3974)	-	28.0549	

JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Heavy Crude Petroleum												
HVY Toll (\$/m3)												
FROM	TO	CER No. 508 FERC No. 45.29.0 Transmission & Terminalling	CTS Section 20.1 (I) Surcharge	Abandonment Surcharge	Edmonton Transportation Surcharge	Phase 1 Southern Access Expansion Surcharge	Interim Lakehead Operation Tank Surcharge	Line 78 (Line 62) Surcharge	Line 3 Replacement Surcharges (2)	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment (2)	Non- Performance Penalty Credit (3)	Total CER No. 512 & FERC No. 45.30.0
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)=(A)+(B)+(C)+ (D)+(E)+(F)+(G)+ (H)+(I)+(J)
Edmonton, Alberta	Clearbrook, Minnesota	17.7186	0.3934	0.2400	1.6482	-	-	-	3.7673	(0.2750)	-	23.4925
	Superior, Wisconsin	21.0630	0.5000	0.2400	1.6482	-	-	-	4.4986	(0.3322)	-	27.6176
	Lockport, Illinois	28.7873	0.7625	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.4732)	-	37.9917
	Mokena, Illinois	28.7873	0.7625	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.4732)	-	37.9917
	Flanagan, Illinois	28.7873	0.7625	0.2400	1.6482	0.1978	0.0659	-	6.3017	(0.4732)	-	37.5302
	Griffith, Indiana	28.7873	0.7625	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.4732)	-	37.9917
	Stockbridge, Michigan	31.6795	0.8590	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.5249)	-	41.5904
	Marysville, Michigan	31.6795	0.8590	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.5249)	-	41.5904
	Corunna or Sarnia Terminal, Ontario	32.0768	0.8620	0.2448	1.6482	0.1978	0.0659	0.4615	6.9922	(0.5272)	-	42.0220
	Westover, Ontario	34.2175	0.9117	0.2820	1.6482	0.1978	0.0659	0.4615	7.4611	(0.5639)	-	44.6818
Nanticoke, Ontario	35.0299	0.9306	0.2961	1.6482	0.1978	0.0659	0.4615	7.6390	(0.5778)	-	45.6912	
Hardisty, Alberta	Clearbrook, Minnesota	15.7974	0.3488	0.2066	-	-	-	-	3.3466	(0.2421)	-	19.4573
	Superior, Wisconsin	19.1418	0.4554	0.2066	-	-	-	-	4.0779	(0.2993)	-	23.5824
	Lockport, Illinois	26.8660	0.7179	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.4403)	-	33.9564
	Mokena, Illinois	26.8660	0.7179	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.4403)	-	33.9564
	Flanagan, Illinois	26.8660	0.7179	0.2066	-	0.1978	0.0659	-	5.8810	(0.4403)	-	33.4949
	Griffith, Indiana	26.8660	0.7179	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.4403)	-	33.9564
	Stockbridge, Michigan	29.7583	0.8144	0.2066	-	0.1978	0.0659	0.4615	6.5426	(0.4920)	-	37.5551
	Marysville, Michigan	29.7583	0.8144	0.2066	-	0.1978	0.0659	0.4615	6.5426	(0.4920)	-	37.5551
	Corunna or Sarnia Terminal, Ontario	30.1560	0.8174	0.2114	-	0.1978	0.0659	0.4615	6.5715	(0.4943)	-	37.9872
	Westover, Ontario	32.2965	0.8671	0.2486	-	0.1978	0.0659	0.4615	7.0403	(0.5310)	-	40.6467
Nanticoke, Ontario	33.1088	0.8860	0.2627	-	0.1978	0.0659	0.4615	7.2182	(0.5449)	-	41.6560	

JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Heavy Crude Petroleum												
HVY Toll (\$/m3)												
FROM	TO	CER No. 508 FERC No. 45.29.0 Transmission & Terminalling	CTS Section 20.1 (I) Surcharge	Abandonment Surcharge	Edmonton Transportation Surcharge	Phase 1 Southern Access Expansion Surcharge	Interim Lakehead Operation Tank Surcharge	Line 78 (Line 62) Surcharge	Line 3 Replacement Surcharges (2)	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment (2)	Non- Performance Penalty Credit (3)	Total CER No. 512 & FERC No. 45.30.0
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)=(A)+(B)+(C)+ (D)+(E)+(F)+(G)+ (H)+(I)+(J)
Kerrobert, Saskatchewan	Clearbrook, Minnesota	13.8654	0.3039	0.1730	-	-	-	-	2.6718	(0.2090)	-	16.8051
	Superior, Wisconsin	17.2098	0.4105	0.1730	-	-	-	-	3.4031	(0.2662)	-	20.9302
	Lockport, Illinois	24.9341	0.6730	0.1730	-	0.1978	0.0659	0.4615	5.2062	(0.4072)	-	31.3043
	Mokena, Illinois	24.9341	0.6730	0.1730	-	0.1978	0.0659	0.4615	5.2062	(0.4072)	-	31.3043
	Flanagan, Illinois	24.9341	0.6730	0.1730	-	0.1978	0.0659	-	5.2062	(0.4072)	-	30.8428
	Griffith, Indiana	24.9341	0.6730	0.1730	-	0.1978	0.0659	0.4615	5.2062	(0.4072)	-	31.3043
	Stockbridge, Michigan	27.8263	0.7695	0.1730	-	0.1978	0.0659	0.4615	5.8679	(0.4589)	-	34.9030
	Marysville, Michigan	27.8263	0.7695	0.1730	-	0.1978	0.0659	0.4615	5.8679	(0.4589)	-	34.9030
	Corunna or Sarnia Terminal, Ontario	28.2237	0.7726	0.1778	-	0.1978	0.0659	0.4615	5.8967	(0.4612)	-	35.3348
Regina, Saskatchewan	Westover, Ontario	30.3642	0.8223	0.2150	-	0.1978	0.0659	0.4615	6.3656	(0.4979)	-	37.9944
	Nanticoke, Ontario	31.1767	0.8411	0.2291	-	0.1978	0.0659	0.4615	6.5435	(0.5118)	-	39.0038
	Clearbrook, Minnesota	9.9902	0.2141	0.1057	-	-	-	-	1.8231	(0.1426)	-	11.9905
	Superior, Wisconsin	13.3346	0.3207	0.1057	-	-	-	-	2.5544	(0.1998)	-	16.1156
	Lockport, Illinois	21.0590	0.5832	0.1057	-	0.1978	0.0659	0.4615	4.3575	(0.3408)	-	26.4898
	Mokena, Illinois	21.0590	0.5832	0.1057	-	0.1978	0.0659	0.4615	4.3575	(0.3408)	-	26.4898
	Flanagan, Illinois	21.0590	0.5832	0.1057	-	0.1978	0.0659	-	4.3575	(0.3408)	-	26.0283
	Griffith, Indiana	21.0590	0.5832	0.1057	-	0.1978	0.0659	0.4615	4.3575	(0.3408)	-	26.4898
	Stockbridge, Michigan	23.9514	0.6797	0.1057	-	0.1978	0.0659	0.4615	5.0192	(0.3926)	-	30.0886
Cromer, Manitoba	Marysville, Michigan	23.9514	0.6797	0.1057	-	0.1978	0.0659	0.4615	5.0192	(0.3926)	-	30.0886
	Corunna or Sarnia Terminal, Ontario	24.3487	0.6827	0.1105	-	0.1978	0.0659	0.4615	5.0480	(0.3948)	-	30.5203
	Westover, Ontario	26.4894	0.7323	0.1477	-	0.1978	0.0659	0.4615	5.5169	(0.4315)	-	33.1800
	Nanticoke, Ontario	27.3016	0.7512	0.1618	-	0.1978	0.0659	0.4615	5.6948	(0.4454)	-	34.1892
	Clearbrook, Minnesota	7.1910	0.1489	0.0571	-	-	-	-	1.2100	(0.0946)	-	8.5124
	Superior, Wisconsin	10.5355	0.2555	0.0571	-	-	-	-	1.9413	(0.1518)	-	12.6376
	Lockport, Illinois	18.2597	0.5180	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.2929)	-	23.0115
	Mokena, Illinois	18.2597	0.5180	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.2929)	-	23.0115
	Flanagan, Illinois	18.2597	0.5180	0.0571	-	0.1978	0.0659	-	3.7444	(0.2929)	-	22.5500
Griffith, Indiana	18.2597	0.5180	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.2929)	-	23.0115	
Stockbridge, Michigan	21.1519	0.6145	0.0571	-	0.1978	0.0659	0.4615	4.4061	(0.3446)	-	26.6102	
Marysville, Michigan	21.1519	0.6145	0.0571	-	0.1978	0.0659	0.4615	4.4061	(0.3446)	-	26.6102	
Corunna or Sarnia Terminal, Ontario	21.5494	0.6177	0.0618	-	0.1978	0.0659	0.4615	4.4349	(0.3469)	-	27.0421	
Westover, Ontario	23.6901	0.6673	0.0990	-	0.1978	0.0659	0.4615	4.9038	(0.3835)	-	29.7019	
Nanticoke, Ontario	24.5024	0.6861	0.1132	-	0.1978	0.0659	0.4615	5.0817	(0.3974)	-	30.7112	