



# 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

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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.

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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.

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Issued on **[W]** sixteen (16) ~~fifteen (15)~~ 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).

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

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**EFFECTIVE: September 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/m<sup>3</sup>) and a viscosity of up to but not including 0.4 square millimeters per second (mm<sup>2</sup>/s) will be classified as **Natural Gas Liquids**.

**CONDENSATES (CND)** – A commodity having a density from 600 kg/ m<sup>3</sup> up to but not including 800 kg/ m<sup>3</sup> and a viscosity of 0.4 mm<sup>2</sup>/s up to but not including 2 mm<sup>2</sup>/s will be classified as **Condensates**.

**LIGHT CRUDE PETROLEUM (LIGHT)** - A commodity having a density from 800 kg/m<sup>3</sup> up to but not including 876 kg/m<sup>3</sup> and a viscosity from 2 mm<sup>2</sup>/s up to but not including 20 mm<sup>2</sup>/s will be classified as **Light Crude Petroleum**.

**MEDIUM CRUDE PETROLEUM (MEDIUM)** - A commodity having a density from 876 kg/m<sup>3</sup> up to but not including 904 kg/m<sup>3</sup> and a viscosity from 20 mm<sup>2</sup>/s up to but not including 100 mm<sup>2</sup>/s will be classified as **Medium Crude Petroleum**.

**HEAVY CRUDE PETROLEUM (HEAVY)** - A commodity having a density from 904 kg/m<sup>3</sup> to 940 kg/m<sup>3</sup> inclusive and a viscosity from 100 up to and including 350 mm<sup>2</sup>/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] 507 504, 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] 507 504, and Enbridge Energy, Limited Partnership's FERC Tariff No. 41.18.0.

[D] All rates on this page have decreased.

**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		19.4858	20.4077	21.4787	23.3550
	Superior, Wisconsin	22.1477	22.9798	23.9089	25.1975	27.4515
	Lockport, Illinois		31.7981	32.7441	34.5650	37.7551
	Mokena, Illinois		31.7981	32.7441	34.5650	37.7551
	Flanagan, Illinois		31.3366	32.2826	34.1035	37.2936
	Griffith, Indiana		31.7981	32.7441	34.5650	37.7551
	Stockbridge, Michigan		34.8247	35.7772	37.7940	41.3279
	Rapid River, Michigan	27.0095				
	Marysville, Michigan		34.8247	35.7772	37.7940	41.3279
	Corunna or Sarnia Terminal, Ontario	33.5677	35.2242	36.1855	38.2129	41.7584
	Westover, Ontario		37.3269	38.4321	40.6029	44.3999
	Nanticoke, Ontario		38.1250	39.2846	41.5099	45.4023
Hardisty Terminal, Alberta	Clearbrook, Minnesota			16.7434	17.6854	19.3363
	Superior, Wisconsin			20.2446	21.4042	23.4328
	Lockport, Illinois			29.0800	30.7719	33.7363
	Mokena, Illinois			29.0800	30.7719	33.7363
	Flanagan, Illinois			28.6185	30.3104	33.2748
	Griffith, Indiana			29.0800	30.7719	33.7363
	Stockbridge, Michigan			32.1128	34.0007	37.3090
	Rapid River, Michigan					
	Marysville, Michigan			32.1128	34.0007	37.3090
	Corunna or Sarnia Terminal, Ontario			32.5217	34.4200	37.7401
	Westover, Ontario			34.7680	36.8099	40.3813
	Nanticoke, Ontario			35.6202	37.7168	41.3836

[D] All rates on this page have decreased.

INTERNATIONAL JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER						
From	To	Rate				
		NGL	CND	LIGHT	MEDIUM	HEAVY
Kerrobot Station, Saskatchewan	Clearbrook, Minnesota			14.4644		16.7006
	Superior, Wisconsin	16.5275		17.9657		20.7972
	Lockport, Illinois			26.8009		31.1007
	Mokena, Illinois			26.8009		31.1007
	Flanagan, Illinois			26.3394		30.6392
	Griffith, Indiana			26.8009		31.1007
	Stockbridge, Michigan			29.8339		34.6735
	Rapid River, Michigan	21.3893				
	Marysville, Michigan			29.8339		34.6735
	Corunna or Sarnia Terminal, Ontario	27.9475		30.2423		35.1042
	Westover, Ontario			32.4888		37.7455
	Nanticoke, Ontario			33.3412		38.7479
Regina Terminal, Saskatchewan	Clearbrook, Minnesota			10.3981		11.9192
	Superior, Wisconsin			13.8991		16.0157
	Lockport, Illinois			22.7345		26.3194
	Mokena, Illinois			22.7345		26.3194
	Flanagan, Illinois			22.2730		25.8579
	Griffith, Indiana			22.7345		26.3194
	Stockbridge, Michigan			25.7675		29.8924
	Rapid River, Michigan					
	Marysville, Michigan			25.7675		29.8924
	Corunna or Sarnia Terminal, Ontario			26.1758		30.3229
	Westover, Ontario			28.4223		32.9643
	Nanticoke, Ontario			29.2749		33.9665
Cromer Terminal, Manitoba	Clearbrook, Minnesota			7.4603	7.8250	8.4650
	Superior, Wisconsin	10.0834		10.9618	11.5440	12.5617
	Lockport, Illinois			19.7971	20.9113	22.8651
	Mokena, Illinois			19.7971	20.9113	22.8651
	Flanagan, Illinois			19.3356	20.4498	22.4036
	Griffith, Indiana			19.7971	20.9113	22.8651
	Stockbridge, Michigan			22.8301	24.1403	26.4379
	Rapid River, Michigan	14.9453				
	Marysville, Michigan			22.8301	24.1403	26.4379
	Corunna or Sarnia Terminal, Ontario	21.5034		23.2383	24.5591	26.8687
	Westover, Ontario			25.4847	26.9492	29.5101
	Nanticoke, Ontario			26.3373	27.8561	30.5124

### 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 1/10<sup>th</sup> 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:

[D] – Decrease

[W] – Change in wording only

Enbridge Pipelines Inc. and Enbridge Energy, Limited Partnership  
International Joint Transportation Rates<sup>1</sup>  
Worksheet Supporting CER Tariff No. 508 and FERC No. 45.29.0  
Effective: September 1, 2022

JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Natural Gas Liquids												
NGL Toll (\$/m3)												
FROM	TO	CER No. 502 FERC No. 45.28.0 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 <sup>2</sup>	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment <sup>2</sup>	Non- Performance Penalty Credit <sup>3</sup>	Total CER No. 508 & FERC No. 45.29.0
		(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	(0.4983)	-	22.1477
	Rapid River, Michigan	19.0347	0.4764	0.2400	1.6482	0.1978	0.0659	0.4615	5.5008	(0.6158)	-	27.0095
	Corunna or Sarnia Terminal, Ontario	24.1122	0.6359	0.2448	1.6482	0.1978	0.0659	0.4615	6.9922	(0.7908)	-	33.5677
Kerrobert, Saskatchewan	Superior, Wisconsin	13.0477	0.3029	0.1730	-	-	-	-	3.4031	(0.3992)	-	16.5275
	Rapid River, Michigan	16.1921	0.4105	0.1730	-	0.1978	0.0659	0.4615	4.4053	(0.5168)	-	21.3893
	Corunna or Sarnia Terminal, Ontario	21.2696	0.5700	0.1778	-	0.1978	0.0659	0.4615	5.8967	(0.6918)	-	27.9475
Cromer, Manitoba	Superior, Wisconsin	8.1241	0.1886	0.0571	-	-	-	-	1.9413	(0.2277)	-	10.0834
	Rapid River, Michigan	11.2686	0.2962	0.0571	-	0.1978	0.0659	0.4615	2.9435	(0.3453)	-	14.9453
	Corunna or Sarnia Terminal, Ontario	16.3462	0.4556	0.0618	-	0.1978	0.0659	0.4615	4.4349	(0.5203)	-	21.5034

<sup>1</sup>International Joint Toll in U.S. Dollar per Cubic Meter

<sup>2</sup>Final toll basis per CER Order TO-003-2021

<sup>3</sup>Final toll basis per NEB Order TO-003-2014

JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Condensate												
FROM	TO	CND Toll (\$/m3)										Total CER No. 508 & FERC No. 45.29.0
		CER No. 502 FERC No. 45.28.0 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 <sup>2</sup>	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment <sup>2</sup>	Non- Performance Penalty Credit <sup>3</sup>	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
Edmonton, Alberta	Clearbrook, Minnesota	13.9462	0.2966	0.2400	1.6482	-	-	-	3.7673	(0.4125)	-	19.4858
	Superior, Wisconsin	16.7143	0.3770	0.2400	1.6482	-	-	-	4.4986	(0.4983)	-	22.9798
	Lockport, Illinois	23.0178	0.5750	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.7098)	-	31.7981
	Mokena, Illinois	23.0178	0.5750	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.7098)	-	31.7981
	Flanagan, Illinois	23.0178	0.5750	0.2400	1.6482	0.1978	0.0659	-	6.3017	(0.7098)	-	31.3366
	Griffith, Indiana	23.0178	0.5750	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.7098)	-	31.7981
	Stockbridge, Michigan	25.3876	0.6477	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.7874)	-	34.8247
	Marysville, Michigan	25.3876	0.6477	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.7874)	-	34.8247
	Corunna or Sarnia Terminal, Ontario	25.7547	0.6499	0.2448	1.6482	0.1978	0.0659	0.4615	6.9922	(0.7908)	-	35.2242
	Westover, Ontario	27.3688	0.6874	0.2820	1.6482	0.1978	0.0659	0.4615	7.4611	(0.8458)	-	37.3269
Nanticoke, Ontario	27.9815	0.7017	0.2961	1.6482	0.1978	0.0659	0.4615	7.6390	(0.8667)	-	38.1250	



JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Light Crude Petroleum												
FROM	TO	CER No. 502 FERC No. 45.28.0 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 <sup>2</sup>	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment <sup>2</sup>	Non- Performance Penalty Credit <sup>3</sup>	Total CER No. 508 & FERC No. 45.29.0
		(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	(0.4125)	-	20.4077
	Superior, Wisconsin	17.6106	0.4098	0.2400	1.6482	-	-	-	4.4986	(0.4983)	-	23.9089
	Lockport, Illinois	23.9137	0.6251	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.7098)	-	32.7441
	Mokena, Illinois	23.9137	0.6251	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.7098)	-	32.7441
	Flanagan, Illinois	23.9137	0.6251	0.2400	1.6482	0.1978	0.0659	-	6.3017	(0.7098)	-	32.2826
	Griffith, Indiana	23.9137	0.6251	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.7098)	-	32.7441
	Stockbridge, Michigan	26.2838	0.7040	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.7874)	-	35.7772
	Marysville, Michigan	26.2838	0.7040	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.7874)	-	35.7772
	Corunna or Sarnia Terminal, Ontario	26.6595	0.7064	0.2448	1.6482	0.1978	0.0659	0.4615	6.9922	(0.7908)	-	36.1855
	Westover, Ontario	28.4142	0.7472	0.2820	1.6482	0.1978	0.0659	0.4615	7.4611	(0.8458)	-	38.4321
Nanticoke, Ontario	29.0801	0.7627	0.2961	1.6482	0.1978	0.0659	0.4615	7.6390	(0.8667)	-	39.2846	
Hardisty, Alberta	Clearbrook, Minnesota	13.2675	0.2858	0.2066	-	-	-	-	3.3466	(0.3631)	-	16.7434
	Superior, Wisconsin	16.0359	0.3731	0.2066	-	-	-	-	4.0779	(0.4489)	-	20.2446
	Lockport, Illinois	22.3392	0.5884	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.6604)	-	29.0800
	Mokena, Illinois	22.3392	0.5884	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.6604)	-	29.0800
	Flanagan, Illinois	22.3392	0.5884	0.2066	-	0.1978	0.0659	-	5.8810	(0.6604)	-	28.6185
	Griffith, Indiana	22.3392	0.5884	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.6604)	-	29.0800
	Stockbridge, Michigan	24.7092	0.6673	0.2066	-	0.1978	0.0659	0.4615	6.5426	(0.7381)	-	32.1128
	Marysville, Michigan	24.7092	0.6673	0.2066	-	0.1978	0.0659	0.4615	6.5426	(0.7381)	-	32.1128
	Corunna or Sarnia Terminal, Ontario	25.0851	0.6699	0.2114	-	0.1978	0.0659	0.4615	6.5715	(0.7414)	-	32.5217
	Westover, Ontario	26.8396	0.7107	0.2486	-	0.1978	0.0659	0.4615	7.0403	(0.7964)	-	34.7680
Nanticoke, Ontario	27.5053	0.7261	0.2627	-	0.1978	0.0659	0.4615	7.2182	(0.8173)	-	35.6202	

JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Light Crude Petroleum												
FROM	TO	LGT Toll (\$/m3)										
		CER No. 502 FERC No. 45.28.0 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 <sup>2</sup>	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment <sup>2</sup>	Non- Performance Penalty Credit <sup>3</sup>	Total CER No. 508 & FERC No. 45.29.0
		(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	(0.3135)	-	14.4644
	Superior, Wisconsin	14.4523	0.3365	0.1730	-	-	-	-	3.4031	(0.3992)	-	17.9657
	Lockport, Illinois	20.7555	0.5518	0.1730	-	0.1978	0.0659	0.4615	5.2062	(0.6108)	-	26.8009
	Mokena, Illinois	20.7555	0.5518	0.1730	-	0.1978	0.0659	0.4615	5.2062	(0.6108)	-	26.8009
	Flanagan, Illinois	20.7555	0.5518	0.1730	-	0.1978	0.0659	-	5.2062	(0.6108)	-	26.3394
	Griffith, Indiana	20.7555	0.5518	0.1730	-	0.1978	0.0659	0.4615	5.2062	(0.6108)	-	26.8009
	Stockbridge, Michigan	23.1255	0.6307	0.1730	-	0.1978	0.0659	0.4615	5.8679	(0.6884)	-	29.8339
	Marysville, Michigan	23.1255	0.6307	0.1730	-	0.1978	0.0659	0.4615	5.8679	(0.6884)	-	29.8339
	Corunna or Sarnia Terminal, Ontario	23.5012	0.6332	0.1778	-	0.1978	0.0659	0.4615	5.8967	(0.6918)	-	30.2423
Regina, Saskatchewan	Westover, Ontario	25.2559	0.6739	0.2150	-	0.1978	0.0659	0.4615	6.3656	(0.7468)	-	32.4888
	Nanticoke, Ontario	25.9217	0.6894	0.2291	-	0.1978	0.0659	0.4615	6.5435	(0.7677)	-	33.3412
	Clearbrook, Minnesota	8.5077	0.1755	0.1057	-	-	-	-	1.8231	(0.2139)	-	10.3981
	Superior, Wisconsin	11.2759	0.2628	0.1057	-	-	-	-	2.5544	(0.2997)	-	13.8991
	Lockport, Illinois	17.5792	0.4781	0.1057	-	0.1978	0.0659	0.4615	4.3575	(0.5112)	-	22.7345
	Mokena, Illinois	17.5792	0.4781	0.1057	-	0.1978	0.0659	0.4615	4.3575	(0.5112)	-	22.7345
	Flanagan, Illinois	17.5792	0.4781	0.1057	-	0.1978	0.0659	-	4.3575	(0.5112)	-	22.2730
	Griffith, Indiana	17.5792	0.4781	0.1057	-	0.1978	0.0659	0.4615	4.3575	(0.5112)	-	22.7345
	Stockbridge, Michigan	19.9492	0.5570	0.1057	-	0.1978	0.0659	0.4615	5.0192	(0.5888)	-	25.7675
Cromer, Manitoba	Marysville, Michigan	19.9492	0.5570	0.1057	-	0.1978	0.0659	0.4615	5.0192	(0.5888)	-	25.7675
	Corunna or Sarnia Terminal, Ontario	20.3248	0.5595	0.1105	-	0.1978	0.0659	0.4615	5.0480	(0.5922)	-	26.1758
	Westover, Ontario	22.0796	0.6001	0.1477	-	0.1978	0.0659	0.4615	5.5169	(0.6472)	-	28.4223
	Nanticoke, Ontario	22.7456	0.6156	0.1618	-	0.1978	0.0659	0.4615	5.6948	(0.6681)	-	29.2749
	Clearbrook, Minnesota	6.2130	0.1222	0.0571	-	-	-	-	1.2100	(0.1420)	-	7.4603
	Superior, Wisconsin	8.9816	0.2095	0.0571	-	-	-	-	1.9413	(0.2277)	-	10.9618
	Lockport, Illinois	15.2849	0.4248	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.4393)	-	19.7971
	Mokena, Illinois	15.2849	0.4248	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.4393)	-	19.7971
	Flanagan, Illinois	15.2849	0.4248	0.0571	-	0.1978	0.0659	-	3.7444	(0.4393)	-	19.3356
Griffith, Indiana	15.2849	0.4248	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.4393)	-	19.7971	
Stockbridge, Michigan	17.6549	0.5037	0.0571	-	0.1978	0.0659	0.4615	4.4061	(0.5169)	-	22.8301	
Marysville, Michigan	17.6549	0.5037	0.0571	-	0.1978	0.0659	0.4615	4.4061	(0.5169)	-	22.8301	
Corunna or Sarnia Terminal, Ontario	18.0305	0.5062	0.0618	-	0.1978	0.0659	0.4615	4.4349	(0.5203)	-	23.2383	
Westover, Ontario	19.7851	0.5469	0.0990	-	0.1978	0.0659	0.4615	4.9038	(0.5753)	-	25.4847	
Nanticoke, Ontario	20.4510	0.5624	0.1132	-	0.1978	0.0659	0.4615	5.0817	(0.5962)	-	26.3373	

JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Medium Crude Petroleum												
FROM	TO	MED Toll (\$/m3)										
		CER No. 502 FERC No. 45.28.0 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 <sup>2</sup>	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment <sup>2</sup>	Non- Performance Penalty Credit <sup>3</sup>	Total CER No. 508 & FERC No. 45.29.0
		(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	(0.4125)	-	21.4787
	Superior, Wisconsin	18.8666	0.4424	0.2400	1.6482	-	-	-	4.4986	(0.4983)	-	25.1975
	Lockport, Illinois	25.6847	0.6750	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.7098)	-	34.5650
	Mokena, Illinois	25.6847	0.6750	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.7098)	-	34.5650
	Flanagan, Illinois	25.6847	0.6750	0.2400	1.6482	0.1978	0.0659	-	6.3017	(0.7098)	-	34.1035
	Griffith, Indiana	25.6847	0.6750	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.7098)	-	34.5650
	Stockbridge, Michigan	28.2443	0.7603	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.7874)	-	37.7940
	Marysville, Michigan	28.2443	0.7603	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.7874)	-	37.7940
	Corunna or Sarnia Terminal, Ontario	28.6303	0.7630	0.2448	1.6482	0.1978	0.0659	0.4615	6.9922	(0.7908)	-	38.2129
	Westover, Ontario	30.5252	0.8070	0.2820	1.6482	0.1978	0.0659	0.4615	7.4611	(0.8458)	-	40.6029
Nanticoke, Ontario	31.2443	0.8238	0.2961	1.6482	0.1978	0.0659	0.4615	7.6390	(0.8667)	-	41.5099	
Hardisty, Alberta	Clearbrook, Minnesota	14.1867	0.3086	0.2066	-	-	-	-	3.3466	(0.3631)	-	17.6854
	Superior, Wisconsin	17.1657	0.4029	0.2066	-	-	-	-	4.0779	(0.4489)	-	21.4042
	Lockport, Illinois	23.9840	0.6355	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.6604)	-	30.7719
	Mokena, Illinois	23.9840	0.6355	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.6604)	-	30.7719
	Flanagan, Illinois	23.9840	0.6355	0.2066	-	0.1978	0.0659	-	5.8810	(0.6604)	-	30.3104
	Griffith, Indiana	23.9840	0.6355	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.6604)	-	30.7719
	Stockbridge, Michigan	26.5436	0.7208	0.2066	-	0.1978	0.0659	0.4615	6.5426	(0.7381)	-	34.0007
	Marysville, Michigan	26.5436	0.7208	0.2066	-	0.1978	0.0659	0.4615	6.5426	(0.7381)	-	34.0007
	Corunna or Sarnia Terminal, Ontario	26.9297	0.7236	0.2114	-	0.1978	0.0659	0.4615	6.5715	(0.7414)	-	34.4200
	Westover, Ontario	28.8247	0.7675	0.2486	-	0.1978	0.0659	0.4615	7.0403	(0.7964)	-	36.8099
Nanticoke, Ontario	29.5437	0.7843	0.2627	-	0.1978	0.0659	0.4615	7.2182	(0.8173)	-	37.7168	
Cromer, Manitoba	Clearbrook, Minnesota	6.5681	0.1318	0.0571	-	-	-	-	1.2100	(0.1420)	-	7.8250
	Superior, Wisconsin	9.5472	0.2261	0.0571	-	-	-	-	1.9413	(0.2277)	-	11.5440
	Lockport, Illinois	16.3652	0.4587	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.4393)	-	20.9113
	Mokena, Illinois	16.3652	0.4587	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.4393)	-	20.9113
	Flanagan, Illinois	16.3652	0.4587	0.0571	-	0.1978	0.0659	-	3.7444	(0.4393)	-	20.4498
	Griffith, Indiana	16.3652	0.4587	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.4393)	-	20.9113
	Stockbridge, Michigan	18.9248	0.5440	0.0571	-	0.1978	0.0659	0.4615	4.4061	(0.5169)	-	24.1403
	Marysville, Michigan	18.9248	0.5440	0.0571	-	0.1978	0.0659	0.4615	4.4061	(0.5169)	-	24.1403
	Corunna or Sarnia Terminal, Ontario	19.3108	0.5467	0.0618	-	0.1978	0.0659	0.4615	4.4349	(0.5203)	-	24.5591
	Westover, Ontario	21.2058	0.5907	0.0990	-	0.1978	0.0659	0.4615	4.9038	(0.5753)	-	26.9492
Nanticoke, Ontario	21.9248	0.6074	0.1132	-	0.1978	0.0659	0.4615	5.0817	(0.5962)	-	27.8561	

JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Heavy Crude Petroleum												
FROM	TO	HVY Toll (\$/m3)										
		CER No. 502 FERC No. 45.28.0 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 <sup>2</sup>	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment <sup>2</sup>	Non- Performance Penalty Credit <sup>3</sup>	Total CER No. 508 & FERC No. 45.29.0
		(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	(0.4125)	-	23.3550
	Superior, Wisconsin	21.0630	0.5000	0.2400	1.6482	-	-	-	4.4986	(0.4983)	-	27.4515
	Lockport, Illinois	28.7873	0.7625	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.7098)	-	37.7551
	Mokena, Illinois	28.7873	0.7625	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.7098)	-	37.7551
	Flanagan, Illinois	28.7873	0.7625	0.2400	1.6482	0.1978	0.0659	-	6.3017	(0.7098)	-	37.2936
	Griffith, Indiana	28.7873	0.7625	0.2400	1.6482	0.1978	0.0659	0.4615	6.3017	(0.7098)	-	37.7551
	Stockbridge, Michigan	31.6795	0.8590	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.7874)	-	41.3279
	Marysville, Michigan	31.6795	0.8590	0.2400	1.6482	0.1978	0.0659	0.4615	6.9634	(0.7874)	-	41.3279
	Corunna or Sarnia Terminal, Ontario	32.0768	0.8620	0.2448	1.6482	0.1978	0.0659	0.4615	6.9922	(0.7908)	-	41.7584
	Westover, Ontario	34.2175	0.9117	0.2820	1.6482	0.1978	0.0659	0.4615	7.4611	(0.8458)	-	44.3999
Nanticoke, Ontario	35.0299	0.9306	0.2961	1.6482	0.1978	0.0659	0.4615	7.6390	(0.8667)	-	45.4023	
Hardisty, Alberta	Clearbrook, Minnesota	15.7974	0.3488	0.2066	-	-	-	-	3.3466	(0.3631)	-	19.3363
	Superior, Wisconsin	19.1418	0.4554	0.2066	-	-	-	-	4.0779	(0.4489)	-	23.4328
	Lockport, Illinois	26.8660	0.7179	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.6604)	-	33.7363
	Mokena, Illinois	26.8660	0.7179	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.6604)	-	33.7363
	Flanagan, Illinois	26.8660	0.7179	0.2066	-	0.1978	0.0659	-	5.8810	(0.6604)	-	33.2748
	Griffith, Indiana	26.8660	0.7179	0.2066	-	0.1978	0.0659	0.4615	5.8810	(0.6604)	-	33.7363
	Stockbridge, Michigan	29.7583	0.8144	0.2066	-	0.1978	0.0659	0.4615	6.5426	(0.7381)	-	37.3090
	Marysville, Michigan	29.7583	0.8144	0.2066	-	0.1978	0.0659	0.4615	6.5426	(0.7381)	-	37.3090
	Corunna or Sarnia Terminal, Ontario	30.1560	0.8174	0.2114	-	0.1978	0.0659	0.4615	6.5715	(0.7414)	-	37.7401
	Westover, Ontario	32.2965	0.8671	0.2486	-	0.1978	0.0659	0.4615	7.0403	(0.7964)	-	40.3813
Nanticoke, Ontario	33.1088	0.8860	0.2627	-	0.1978	0.0659	0.4615	7.2182	(0.8173)	-	41.3836	

JOINT TRANSPORTATION RATES IN US DOLLARS PER CUBIC METER												
Heavy Crude Petroleum												
FROM	TO	HVY Toll (\$/m3)										
		CER No. 502 FERC No. 45.28.0 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 <sup>2</sup>	Line 3 Replacement Ex-Gretna Volume Ratchet Adjustment <sup>2</sup>	Non- Performance Penalty Credit <sup>3</sup>	Total CER No. 508 & FERC No. 45.29.0
		(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	(0.3135)	-	16.7006
	Superior, Wisconsin	17.2098	0.4105	0.1730	-	-	-	-	3.4031	(0.3992)	-	20.7972
	Lockport, Illinois	24.9341	0.6730	0.1730	-	0.1978	0.0659	0.4615	5.2062	(0.6108)	-	31.1007
	Mokena, Illinois	24.9341	0.6730	0.1730	-	0.1978	0.0659	0.4615	5.2062	(0.6108)	-	31.1007
	Flanagan, Illinois	24.9341	0.6730	0.1730	-	0.1978	0.0659	-	5.2062	(0.6108)	-	30.6392
	Griffith, Indiana	24.9341	0.6730	0.1730	-	0.1978	0.0659	0.4615	5.2062	(0.6108)	-	31.1007
	Stockbridge, Michigan	27.8263	0.7695	0.1730	-	0.1978	0.0659	0.4615	5.8679	(0.6884)	-	34.6735
	Marysville, Michigan	27.8263	0.7695	0.1730	-	0.1978	0.0659	0.4615	5.8679	(0.6884)	-	34.6735
	Corunna or Sarnia Terminal, Ontario	28.2237	0.7726	0.1778	-	0.1978	0.0659	0.4615	5.8967	(0.6918)	-	35.1042
Regina, Saskatchewan	Westover, Ontario	30.3642	0.8223	0.2150	-	0.1978	0.0659	0.4615	6.3656	(0.7468)	-	37.7455
	Nanticoke, Ontario	31.1767	0.8411	0.2291	-	0.1978	0.0659	0.4615	6.5435	(0.7677)	-	38.7479
	Clearbrook, Minnesota	9.9902	0.2141	0.1057	-	-	-	-	1.8231	(0.2139)	-	11.9192
	Superior, Wisconsin	13.3346	0.3207	0.1057	-	-	-	-	2.5544	(0.2997)	-	16.0157
	Lockport, Illinois	21.0590	0.5832	0.1057	-	0.1978	0.0659	0.4615	4.3575	(0.5112)	-	26.3194
	Mokena, Illinois	21.0590	0.5832	0.1057	-	0.1978	0.0659	0.4615	4.3575	(0.5112)	-	26.3194
	Flanagan, Illinois	21.0590	0.5832	0.1057	-	0.1978	0.0659	-	4.3575	(0.5112)	-	25.8579
	Griffith, Indiana	21.0590	0.5832	0.1057	-	0.1978	0.0659	0.4615	4.3575	(0.5112)	-	26.3194
	Stockbridge, Michigan	23.9514	0.6797	0.1057	-	0.1978	0.0659	0.4615	5.0192	(0.5888)	-	29.8924
Cromer, Manitoba	Marysville, Michigan	23.9514	0.6797	0.1057	-	0.1978	0.0659	0.4615	5.0192	(0.5888)	-	29.8924
	Corunna or Sarnia Terminal, Ontario	24.3487	0.6827	0.1105	-	0.1978	0.0659	0.4615	5.0480	(0.5922)	-	30.3229
	Westover, Ontario	26.4894	0.7323	0.1477	-	0.1978	0.0659	0.4615	5.5169	(0.6472)	-	32.9643
	Nanticoke, Ontario	27.3016	0.7512	0.1618	-	0.1978	0.0659	0.4615	5.6948	(0.6681)	-	33.9665
	Clearbrook, Minnesota	7.1910	0.1489	0.0571	-	-	-	-	1.2100	(0.1420)	-	8.4650
	Superior, Wisconsin	10.5355	0.2555	0.0571	-	-	-	-	1.9413	(0.2277)	-	12.5617
	Lockport, Illinois	18.2597	0.5180	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.4393)	-	22.8651
	Mokena, Illinois	18.2597	0.5180	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.4393)	-	22.8651
	Flanagan, Illinois	18.2597	0.5180	0.0571	-	0.1978	0.0659	-	3.7444	(0.4393)	-	22.4036
Griffith, Indiana	18.2597	0.5180	0.0571	-	0.1978	0.0659	0.4615	3.7444	(0.4393)	-	22.8651	
Cromer, Manitoba	Stockbridge, Michigan	21.1519	0.6145	0.0571	-	0.1978	0.0659	0.4615	4.4061	(0.5169)	-	26.4379
	Marysville, Michigan	21.1519	0.6145	0.0571	-	0.1978	0.0659	0.4615	4.4061	(0.5169)	-	26.4379
	Corunna or Sarnia Terminal, Ontario	21.5494	0.6177	0.0618	-	0.1978	0.0659	0.4615	4.4349	(0.5203)	-	26.8687
	Westover, Ontario	23.6901	0.6673	0.0990	-	0.1978	0.0659	0.4615	4.9038	(0.5753)	-	29.5101
	Nanticoke, Ontario	24.5024	0.6861	0.1132	-	0.1978	0.0659	0.4615	5.0817	(0.5962)	-	30.5124