



## ENBRIDGE ENERGY, LIMITED PARTNERSHIP

LOCAL TARIFF  
APPLYING ON  
CRUDE PETROLEUM AND NATURAL GAS LIQUIDS

FROM  
THE INTERNATIONAL BOUNDARIES NEAR NECHE, NORTH DAKOTA AND  
GRAND ISLAND, NEW YORK, AND POINTS IN THE STATES  
OF ILLINOIS, INDIANA, MICHIGAN, AND MINNESOTA

TO  
POINTS IN THE STATES OF ILLINOIS, INDIANA, MICHIGAN, MINNESOTA,  
NEW YORK, WISCONSIN AND  
THE INTERNATIONAL BOUNDARY NEAR MARYSVILLE, MICHIGAN

---

The rates listed in this tariff are for the transportation of Crude Petroleum and Natural Gas Liquids by the Carrier. The transportation rates listed in this tariff are subject to the Rules and Regulations published in the Carrier's Tariffs FERC Nos. 41.16.0 and 42.5.0, and reissues thereof.

---

The rates listed in this tariff are payable in United States currency and are applicable on the United States movement of Crude Petroleum and Natural Gas Liquids tendered to the Carrier at established receiving points in the United States for delivery to established delivery points in the United States.

---

Issued pursuant to the Federal Energy Regulatory Commission letter order dated December 21, 1998, in Docket No. OR99-2-000, and Federal Energy Regulatory Commission letter order dated June 30, 2004, in Docket No. OR04-2-000. The Facilities Surcharge has since been supplemented and approved by the Commission to include additional projects under the following Docket Nos.: OR06-3-000, OR08-10-000, OR08-12-000, OR09-5-000, OR10-7-000, OR11-5-000, OR12-8-000, OR13-11-000, OR14-13-000, OR14-33-000, OR15-4-000, OR16-9-000, and OR17-3-000.

---

Issued in Compliance with 18 C.F.R. 341.3 Form of Tariff

---

**[N]** Filed in Compliance with 18 C.F.R. 342.3 Indexing

---

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

---

**ISSUED: May 30, 2019**

**EFFECTIVE: July 1, 2019**

---

**ISSUED BY:**

Ranjana Martin  
Director

Regulatory Services  
Enbridge Pipelines Inc.

200 Fifth Avenue Place 425 – 1st Street S.W.  
Calgary, AB Canada T2P 3L8

**COMPILED BY:**

Matt Ferguson  
Regulatory Services  
Enbridge Pipelines Inc.  
(403) 718-3463

**E-mail: [Enbridge-Tariffs@enbridge.com](mailto:Enbridge-Tariffs@enbridge.com)**

## TRANSPORTATION RATES

Commodities shall be classified on the basis of the density and viscosity of such commodities at the earlier time of receipt by the Carrier or 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 the Carrier'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** - 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 ( $\text{kg}/\text{m}^3$ ) and a viscosity of up to but not including 0.4 square millimeters per second ( $\text{mm}^2/\text{s}$ ) will be classified as **Natural Gas Liquids (NGL)**.

**LIGHT CRUDE PETROLEUM** - A commodity having a density from 600  $\text{kg}/\text{m}^3$  up to but not including 876  $\text{kg}/\text{m}^3$  and a viscosity from 0.4  $\text{mm}^2/\text{s}$  up to but not including 20  $\text{mm}^2/\text{s}$  will be classified as **Light Crude Petroleum**.

**MEDIUM CRUDE PETROLEUM** - A commodity having a density from 876  $\text{kg}/\text{m}^3$  up to but not including 904  $\text{kg}/\text{m}^3$  and a viscosity from 20  $\text{mm}^2/\text{s}$  up to but not including 100  $\text{mm}^2/\text{s}$  will be classified as **Medium Crude Petroleum**.

**HEAVY CRUDE PETROLEUM** - A commodity having a density from 904  $\text{kg}/\text{m}^3$  to 940  $\text{kg}/\text{m}^3$  inclusive and a viscosity from 100 to 350  $\text{mm}^2/\text{s}$  will be classified as **Heavy Crude Petroleum**.

[I] All rates on this page have increased unless otherwise noted

**NATURAL GAS LIQUIDS**

TABLE OF TRANSPORTATION RATES FOR NGL IN US DOLLARS PER CUBIC METER			
FROM	TO		RATE
International Boundary near Neche, North Dakota	Superior, Wisconsin	(c), (i)	4.8154
	Rapid River, Michigan	(c), (g), (i)	7.9353
	International Boundary near Marysville, Michigan	(g), (i)	12.3123

[I] All rates on this page have increased unless otherwise noted

**LIGHT CRUDE PETROLEUM**

TABLE OF TRANSPORTATION RATES FOR LIGHT CRUDE PETROLEUM IN US DOLLARS PER CUBIC METER			
FROM	TO		RATE
International Boundary near Neche, North Dakota	Clearbrook, Minnesota	(c), (i), (j)	2.6529
	Superior, Wisconsin	(c), (d), (i)	5.4428
	Lockport, Illinois	(c), (i)	11.7003
	Mokena, Illinois	(c), (i)	11.7003
	Flanagan, Illinois	(c), (e), (i)	11.7003
	Griffith, Indiana	(c), (e), (i)	11.7003
	Stockbridge, Michigan	(c), (i)	14.0640
	Marysville, Michigan	(c), (i)	14.0640
	International Boundary near Marysville, Michigan	(i)	13.7412
	West Seneca, New York	(c), (i)	14.4072
Clearbrook, Minnesota (a),(b)	Clearbrook, Minnesota	(c), (i), (j)	1.4431
	Superior, Wisconsin	(c), (d), (i), (j)	4.2472
	Lockport, Illinois	(c), (i), (j)	10.5033
	Mokena, Illinois	(c), (i), (j)	10.5033
	Flanagan, Illinois	(c), (e), (i), (j)	10.5033
	Griffith, Indiana	(c),(e), (i), (j)	10.5033
	Stockbridge, Michigan	(c), (i), (j)	12.8644
	Marysville, Michigan	(c), (i), (j)	12.8644
	International Boundary near Marysville, Michigan	(i), (j)	12.5440
West Seneca, New York	(c), (i), (j)	13.2120	
Mokena, Illinois (b)	Griffith, Indiana	(c), (e), (i)	1.6507
	Stockbridge, Michigan	(c), (i)	3.8337
	Marysville, Michigan	(c), (i)	5.1726
	International Boundary near Marysville, Michigan	(i)	4.8927
	West Seneca, New York	(c), (i)	5.5589
Griffith, Indiana (b),(h)	Griffith, Indiana	(c), (e), (i)	1.2681
	Stockbridge, Michigan	(c), (i)	3.8337
	Marysville, Michigan	(c), (i)	5.1726
	International Boundary near Marysville, Michigan	(i)	4.8927
	West Seneca, New York	(c), (i)	5.5589
Stockbridge, Michigan (b)	Marysville, Michigan	(c), (i)	2.6181
	International Boundary near Marysville, Michigan	(i)	2.3357
	West Seneca, New York	(c), (i)	3.0040
Lewiston, Michigan (b),(f)	Marysville, Michigan	(c), (i)	3.7482
	International Boundary near Marysville, Michigan	(i)	3.4532
	West Seneca, New York	(c), (i)	4.1095

[I] All rates on this page have increased unless otherwise noted

TABLE OF TRANSPORTATION RATES FOR LIGHT CRUDE PETROLEUM IN US DOLLARS PER CUBIC METER			
International Boundary near Grand Island, New York	West Seneca, New York	(c), (i)	1.1339

**MEDIUM CRUDE PETROLEUM**

TABLE OF TRANSPORTATION RATES FOR MEDIUM CRUDE PETROLEUM IN US DOLLARS PER CUBIC METER			
FROM	TO		RATE
International Boundary near Neche, North Dakota	Clearbrook, Minnesota	(c), (i), (j)	2.8015
	Superior, Wisconsin	(c), (d), (i)	5.8016
	Lockport, Illinois	(c), (i)	12.5725
	Mokena, Illinois	(c), (i)	12.5725
	Flanagan, Illinois	(c), (e), (i)	12.5725
	Griffith, Indiana	(c), (e), (i)	12.5725
	Stockbridge, Michigan	(c), (i)	15.1251
	Marysville, Michigan	(c), (i)	15.1251
	International Boundary near Marysville, Michigan	(i)	14.8042
	West Seneca, New York	(c), (i)	15.4972
Clearbrook, Minnesota (a),(b)	Clearbrook, Minnesota	(c), (i), (j)	1.4431
	Superior, Wisconsin	(c), (d), (i), (j)	4.4553
	Lockport, Illinois	(c), (i), (j)	11.2263
	Mokena, Illinois	(c), (i), (j)	11.2263
	Flanagan, Illinois	(c), (e), (i), (j)	11.2263
	Griffith, Indiana	(c), (e), (i), (j)	11.2263
	Stockbridge, Michigan	(c), (i), (j)	13.7773
	Marysville, Michigan	(c), (i), (j)	13.7773
	International Boundary near Marysville, Michigan	(i), (j)	13.4562
	West Seneca, New York	(c), (i), (j)	14.1510
Mokena, Illinois (b)	Griffith, Indiana	(c), (e), (i)	1.6805
	Stockbridge, Michigan	(c), (i)	4.0379
	Marysville, Michigan	(c), (i)	5.4845
	International Boundary near Marysville, Michigan	(i)	5.2061
	West Seneca, New York	(c), (i)	5.9026
Griffith, Indiana (b),(h)	Griffith, Indiana	(c), (e), (i)	1.2681
	Stockbridge, Michigan	(c), (i)	4.0379
	Marysville, Michigan	(c), (i)	5.4845
	International Boundary near Marysville, Michigan	(i)	5.2061
	West Seneca, New York	(c), (i)	5.9026

[I] All rates on this page have increased unless otherwise noted

TABLE OF TRANSPORTATION RATES FOR MEDIUM CRUDE PETROLEUM IN US DOLLARS PER CUBIC METER			
FROM	TO		RATE
Stockbridge, Michigan (b)	Marysville, Michigan	(c), (i)	2.7248
	International Boundary near Marysville, Michigan	(i)	2.4485
	West Seneca, New York	(c), (i)	3.1416
Lewiston, Michigan (b),(f)	Marysville, Michigan	(c), (i)	3.9468
	International Boundary near Marysville, Michigan	(i)	3.6517
	West Seneca, New York	(c), (i)	4.3368
International Boundary near Grand Island, New York	West Seneca, New York	(c), (i)	1.1598

**HEAVY CRUDE PETROLEUM**

TABLE OF TRANSPORTATION RATES FOR HEAVY CRUDE PETROLEUM IN US DOLLARS PER CUBIC METER			
FROM	TO		RATE
International Boundary near Neche, North Dakota	Clearbrook, Minnesota	(c), (i), (j)	3.0637
	Superior, Wisconsin	(c), (d), (i)	6.4279
	Lockport, Illinois	(c), (i)	14.1028
	Mokena, Illinois	(c), (i)	14.1028
	Flanagan, Illinois	(c), (e), (i)	14.1028
	Griffith, Indiana	(c), (e), (i)	14.1028
	Stockbridge, Michigan	(c), (i)	16.9879
	Marysville, Michigan	(c), (i)	16.9879
	International Boundary near Marysville, Michigan	(i)	16.6626
	West Seneca, New York	(c), (i)	17.4037
Clearbrook, Minnesota (a),(b)	Clearbrook, Minnesota	(c), (i), (j)	1.4431
	Superior, Wisconsin	(c), (d), (i), (j)	4.8235
	Lockport, Illinois	(c), (i), (j)	12.4952
	Mokena, Illinois	(c), (i), (j)	12.4952
	Flanagan, Illinois	(c), (e), (i), (j)	12.4952
	Griffith, Indiana	(c), (e), (i), (j)	12.4952
	Stockbridge, Michigan	(c), (i), (j)	15.3776
	Marysville, Michigan	(c), (i), (j)	15.3776
	International Boundary near Marysville, Michigan	(i), (j)	15.0546
	West Seneca, New York	(c), (i), (j)	15.8015
Mokena, Illinois (b)	Griffith, Indiana	(c), (e), (i)	1.7325
	Stockbridge, Michigan	(c), (i)	4.3964
	Marysville, Michigan	(c), (i)	6.0307
	International Boundary near Marysville, Michigan	(i)	5.7617
	West Seneca, New York	(c), (i)	6.5008

[I] All rates on this page have increased unless otherwise noted

TABLE OF TRANSPORTATION RATES FOR HEAVY CRUDE PETROLEUM IN US DOLLARS PER CUBIC METER			
Griffith, Indiana (b),(h)	Griffith, Indiana	(c), (e), (i)	1.2681
	Stockbridge, Michigan	(c), (i)	4.3964
	Marysville, Michigan	(c), (i)	6.0307
	International Boundary near Marysville, Michigan	(i)	5.7617
	West Seneca, New York	(c), (i)	6.5008
Stockbridge, Michigan (b)	Marysville, Michigan	(c), (i)	2.9139
	International Boundary near Marysville, Michigan	(i)	2.6396
	West Seneca, New York	(c), (i)	3.3845
Lewiston, Michigan (b),(f)	Marysville, Michigan	(c), (i)	4.2933
	International Boundary near Marysville, Michigan	(i)	4.0017
	West Seneca, New York	(c), (i)	4.7347
International Boundary near Grand Island, New York	West Seneca, New York	(c), (i)	1.2106

- (a) **Receipt Tankage** - The transportation rates from this receiving point include a receipt tankage charge of \$0.1770 per cubic meter.
- (b) **Receipt Terminalling** - The transportation rates from this receiving point include a receipt terminalling charge of \$0.4883 per cubic meter.
- (c) **Delivery Terminalling** - The transportation rates to this delivery point include a delivery terminalling charge of \$0.3209 per cubic meter.
- (d) **Delivery Tankage** - The transportation rates to this delivery point include a delivery tankage charge of \$0.1770 per cubic meter.
- (e) In addition to the transportation rate shown, a delivery tankage charge of \$0.1770 per cubic meter will be assessed if the Carrier's delivery tankage at Griffith, Indiana or Flanagan, Illinois is used by the shipper, except for deliveries into the facilities owned by Illinois Extension Pipeline Company L.L.C. (Southern Access Extension Pipeline).
- (f) **Break-out Tankage Credit** - The transportation rates from this receiving point include a break-out tankage credit of 3.8773 cents per hundred cubic meter miles for light crude petroleum, 4.1866 cents per hundred cubic meter miles for medium crude petroleum, and 4.6517 cents per hundred cubic meter miles for heavy crude petroleum.
- (g) **Break-out Tankage Credit** - The transportation rate to this delivery point includes a break-out tankage credit of 1.0530 cents per hundred cubic meter miles for natural gas liquids.
- (h) In addition to the transportation rate shown, a receipt tankage charge of \$0.1770 per cubic meter will be assessed if the Carrier's receipt tankage at Griffith, Indiana is used by the shipper.
- (i) **Facilities Surcharge** - The transportation rates to this delivery point include a Facilities Surcharge calculated in accordance with the Settlement approved in Federal Energy Regulatory Commission letter order dated June 30, 2004, in Docket No. OR04-2-000. The Facilities Surcharge has since been supplemented and approved by the Federal Energy Regulatory Commission to include the recovery of costs associated with additional projects.
- (j) **Clearbrook Nomination Option** - Shippers have the option to submit Nominations for transportation of Crude Petroleum on the Mainline to Clearbrook, Minnesota, without a physical delivery at

Clearbrook, MN, provided that for each such Nomination a Shipper submits in a given month, (i) a transfer of the nominated volume has been arranged in accordance with the Rules and Regulations for transportation of Crude Petroleum and (ii) the transferee has submitted a Nomination of an equal volume of the same commodity from Clearbrook to a Regular Delivery Point that is at, or downstream of Clearbrook. In the event this option is selected, the transferor will pay the applicable tariff rate for service to Clearbrook under Enbridge Pipelines Inc. in connection with Enbridge Energy, Limited Partnership's International Joint Rate Tariff and the transferee will pay the applicable tariff rate for service from Clearbrook to the selected Regular Delivery Point under Enbridge Energy, Limited Partnership's Local Tariff. All aforementioned Nominations must be made in accordance with the Rules and Regulations for transportation of Crude Petroleum.

**Symbols:****[I]** – Increase**[N]** – New



**Enbridge Energy, LP**  
**Worksheet Supporting Indexed Portion of Rates Set Forth**  
**In FERC No. 43.31.0 (Does Not Include Incremental Facilities Surcharges)**

From	To	Transportation Rates in Dollars per Cubic Meter			
		Previous FERC No. 43.30.0 Indexed Base Rate	7/1/2018 Ceiling	7/1/2019 Ceiling	Proposed FERC No. 43.31.0 Indexed Base Rate
<b>Transportation Rates for NGL</b>					
International Boundary near Neche, North Dakota	Superior, Wisconsin	2.7820	2.7820	2.9019	2.9019
	Rapid River, Michigan	4.3065	4.3065	4.4921	4.4921
	International Boundary near Marysville, Michigan	6.3624	6.3624	6.6367	6.6367
<b>Transportation Rates for Light Crude Petroleum</b>					
International Boundary near Neche, North Dakota	Clearbrook, Minnesota	1.6940	1.6940	1.7670	1.7670
	Superior, Wisconsin	3.1796	3.1796	3.3167	3.3167
	Lockport, Illinois	6.2469	6.2469	6.5162	6.5162
	Mokena, Illinois	6.2469	6.2469	6.5162	6.5162
	Flanagan, Illinois	6.2469	6.2469	6.5162	6.5162
	Griffith, Indiana	6.2469	6.2469	6.5162	6.5162
	Stockbridge, Michigan	7.4372	7.4372	7.7578	7.7578
	Marysville, Michigan	7.4372	7.4372	7.7578	7.7578
	International Boundary near Marysville, Michigan	7.1277	7.1277	7.4350	7.4350
Clearbrook, Minnesota	West Seneca, New York	7.6089	7.6089	7.9369	7.9369
	Clearbrook, Minnesota	1.3835	1.3835	1.4431	1.4431
	Superior, Wisconsin	2.8827	2.8827	3.0070	3.0070
	Lockport, Illinois	5.9487	5.9487	6.2051	6.2051
	Mokena, Illinois	5.9487	5.9487	6.2051	6.2051
	Flanagan, Illinois	5.9487	5.9487	6.2051	6.2051
	Griffith, Indiana	5.9487	5.9487	6.2051	6.2051
	Stockbridge, Michigan	7.1365	7.1365	7.4441	7.4441
	Marysville, Michigan	7.1365	7.1365	7.4441	7.4441
Mokena, Illinois	International Boundary near Marysville, Michigan	6.8293	6.8293	7.1237	7.1237
	West Seneca, New York	7.3124	7.3124	7.6276	7.6276
	Griffith, Indiana	1.4126	1.4126	1.4735	1.4735
	Stockbridge, Michigan	2.5114	2.5114	2.6197	2.6197
	Marysville, Michigan	3.1848	3.1848	3.3221	3.3221
Griffith, Indiana	International Boundary near Marysville, Michigan	2.8976	2.8976	3.0225	3.0225
	West Seneca, New York	3.3789	3.3789	3.5246	3.5246
	Griffith, Indiana	1.2157	1.2157	1.2681	1.2681
	Stockbridge, Michigan	2.5114	2.5114	2.6197	2.6197
	Marysville, Michigan	3.1848	3.1848	3.3221	3.3221
International Boundary near Marysville, Michigan	International Boundary near Marysville, Michigan	2.8976	2.8976	3.0225	3.0225
	West Seneca, New York	3.3789	3.3789	3.5246	3.5246
	Griffith, Indiana	1.2157	1.2157	1.2681	1.2681
	Stockbridge, Michigan	2.5114	2.5114	2.6197	2.6197

**Enbridge Energy, LP**  
**Worksheet Supporting Indexed Portion of Rates Set Forth**  
**In FERC No. 43.31.0 (Does Not Include Incremental Facilities Surcharges)**

From	To	Transportation Rates in Dollars per Cubic Meter			
		Previous FERC No. 43.30.0 Indexed Base Rate	7/1/2018 Ceiling	7/1/2019 Ceiling	Proposed FERC No. 43.31.0 Indexed Base Rate
<b>Transportation Rates for Light Crude Petroleum - Continued</b>					
Stockbridge, Michigan	Marysville, Michigan	1.8997	1.8997	1.9816	1.9816
	International Boundary near Marysville, Michigan	1.6101	1.6101	1.6795	1.6795
	West Seneca, New York	2.0935	2.0935	2.1837	2.1837
Lewiston, Michigan	Marysville, Michigan	2.4295	2.4295	2.5342	2.5342
	International Boundary near Marysville, Michigan	2.1403	2.1403	2.2326	2.2326
	West Seneca, New York	2.6123	2.6123	2.7249	2.7249
International Boundary near Grand Island, New York	West Seneca, New York	0.9297	0.9297	0.9698	0.9698
<b>Transportation Rates for Medium Crude Petroleum</b>					
International Boundary near Neche, North Dakota	Clearbrook, Minnesota	1.7685	1.7685	1.8447	1.8447
	Superior, Wisconsin	3.3605	3.3605	3.5054	3.5054
	Lockport, Illinois	6.6855	6.6855	6.9737	6.9737
	Mokena, Illinois	6.6855	6.6855	6.9737	6.9737
	Flanagan, Illinois	6.6855	6.6855	6.9737	6.9737
	Griffith, Indiana	6.6855	6.6855	6.9737	6.9737
	Stockbridge, Michigan	7.9708	7.9708	8.3144	8.3144
	Marysville, Michigan	7.9708	7.9708	8.3144	8.3144
	International Boundary near Marysville, Michigan	7.6632	7.6632	7.9935	7.9935
	West Seneca, New York	8.1576	8.1576	8.5093	8.5093
Clearbrook, Minnesota	Clearbrook, Minnesota	1.3835	1.3835	1.4431	1.4431
	Superior, Wisconsin	2.9870	2.9870	3.1158	3.1158
	Lockport, Illinois	6.3121	6.3121	6.5842	6.5842
	Mokena, Illinois	6.3121	6.3121	6.5842	6.5842
	Flanagan, Illinois	6.3121	6.3121	6.5842	6.5842
	Griffith, Indiana	6.3121	6.3121	6.5842	6.5842
	Stockbridge, Michigan	7.5959	7.5959	7.9233	7.9233
	Marysville, Michigan	7.5959	7.5959	7.9233	7.9233
	International Boundary near Marysville, Michigan	7.2880	7.2880	7.6022	7.6022
	West Seneca, New York	7.7843	7.7843	8.1199	8.1199
Mokena, Illinois	Griffith, Indiana	1.4276	1.4276	1.4891	1.4891
	Stockbridge, Michigan	2.6141	2.6141	2.7268	2.7268
	Marysville, Michigan	3.3418	3.3418	3.4859	3.4859
	International Boundary near Marysville, Michigan	3.0546	3.0546	3.1863	3.1863
	West Seneca, New York	3.5525	3.5525	3.7056	3.7056

**Enbridge Energy, LP**  
**Worksheet Supporting Indexed Portion of Rates Set Forth**  
**In FERC No. 43.31.0 (Does Not Include Incremental Facilities Surcharges)**

From	To	Transportation Rates in Dollars per Cubic Meter			
		Previous FERC No. 43.30.0 Indexed Base Rate	7/1/2018 Ceiling	7/1/2019 Ceiling	Proposed FERC No. 43.31.0 Indexed Base Rate
<b>Transportation Rates for Medium Crude Petroleum - Continued</b>					
Griffith, Indiana	Griffith, Indiana	1.2157	1.2157	1.2681	1.2681
	Stockbridge, Michigan	2.6141	2.6141	2.7268	2.7268
	Marysville, Michigan	3.3418	3.3418	3.4859	3.4859
	International Boundary near Marysville, Michigan	3.0546	3.0546	3.1863	3.1863
	West Seneca, New York	3.5525	3.5525	3.7056	3.7056
Stockbridge, Michigan	Marysville, Michigan	1.9532	1.9532	2.0374	2.0374
	International Boundary near Marysville, Michigan	1.6679	1.6679	1.7398	1.7398
	West Seneca, New York	2.1625	2.1625	2.2557	2.2557
Lewiston, Michigan	Marysville, Michigan	2.5268	2.5268	2.6357	2.6357
	International Boundary near Marysville, Michigan	2.2371	2.2371	2.3335	2.3335
	West Seneca, New York	2.7240	2.7240	2.8414	2.8414
International Boundary near Grand Island, New York	West Seneca, New York	0.9420	0.9420	0.9826	0.9826
<b>Transportation Rates for Heavy Crude Petroleum</b>					
International Boundary near Neche, North Dakota	Clearbrook, Minnesota	1.9010	1.9010	1.9829	1.9829
	Superior, Wisconsin	3.6756	3.6756	3.8340	3.8340
	Lockport, Illinois	7.4568	7.4568	7.7782	7.7782
	Mokena, Illinois	7.4568	7.4568	7.7782	7.7782
	Flanagan, Illinois	7.4568	7.4568	7.7782	7.7782
	Griffith, Indiana	7.4568	7.4568	7.7782	7.7782
	Stockbridge, Michigan	8.9102	8.9102	9.2943	9.2943
	Marysville, Michigan	8.9102	8.9102	9.2943	9.2943
	International Boundary near Marysville, Michigan	8.5983	8.5983	8.9690	8.9690
	West Seneca, New York	9.1170	9.1170	9.5100	9.5100
Clearbrook, Minnesota	Clearbrook, Minnesota	1.3835	1.3835	1.4431	1.4431
	Superior, Wisconsin	3.1736	3.1736	3.3104	3.3104
	Lockport, Illinois	6.9517	6.9517	7.2514	7.2514
	Mokena, Illinois	6.9517	6.9517	7.2514	7.2514
	Flanagan, Illinois	6.9517	6.9517	7.2514	7.2514
	Griffith, Indiana	6.9517	6.9517	7.2514	7.2514
	Stockbridge, Michigan	8.4026	8.4026	8.7648	8.7648
	Marysville, Michigan	8.4026	8.4026	8.7648	8.7648
	International Boundary near Marysville, Michigan	8.0929	8.0929	8.4418	8.4418
	West Seneca, New York	8.6171	8.6171	8.9886	8.9886

**Enbridge Energy, LP**  
**Worksheet Supporting Indexed Portion of Rates Set Forth**  
**In FERC No. 43.31.0 (Does Not Include Incremental Facilities Surcharges)**

From	To	Transportation Rates in Dollars per Cubic Meter			
		Previous FERC No. 43.30.0 Indexed Base Rate	7/1/2018 Ceiling	7/1/2019 Ceiling	Proposed FERC No. 43.31.0 Indexed Base Rate
<b>Transportation Rates for Heavy Crude Petroleum - Continued</b>					
Mokena, Illinois	Griffith, Indiana	1.4536	1.4536	1.5163	1.5163
	Stockbridge, Michigan	2.7948	2.7948	2.9153	2.9153
	Marysville, Michigan	3.6172	3.6172	3.7731	3.7731
	International Boundary near Marysville, Michigan	3.3362	3.3362	3.4800	3.4800
	West Seneca, New York	3.8529	3.8529	4.0190	4.0190
Griffith, Indiana	Griffith, Indiana	1.2157	1.2157	1.2681	1.2681
	Stockbridge, Michigan	2.7948	2.7948	2.9153	2.9153
	Marysville, Michigan	3.6172	3.6172	3.7731	3.7731
	International Boundary near Marysville, Michigan	3.3362	3.3362	3.4800	3.4800
	West Seneca, New York	3.8529	3.8529	4.0190	4.0190
Stockbridge, Michigan	Marysville, Michigan	2.0490	2.0490	2.1373	2.1373
	International Boundary near Marysville, Michigan	1.7630	1.7630	1.8390	1.8390
	West Seneca, New York	2.2853	2.2853	2.3838	2.3838
Lewiston, Michigan	Marysville, Michigan	2.6960	2.6960	2.8122	2.8122
	International Boundary near Marysville, Michigan	2.4088	2.4088	2.5126	2.5126
	West Seneca, New York	2.9196	2.9196	3.0455	3.0455
International Boundary near Grand Island, New York	West Seneca, New York	0.9687	0.9687	1.0105	1.0105
(a) The transportation rates from this receiving point include a receipt tankage charge as noted per cubic meter.		0.1697	0.1697	0.1770	0.1770
(b) The transportation rates from this receiving point include a receipt terminalling charge as noted per cubic meter.		0.4681	0.4681	0.4883	0.4883
(c) The transportation rates to this delivery point include a delivery terminalling charge as noted per cubic meter.		0.3076	0.3076	0.3209	0.3209
(d) The transportation rates from this receiving point include a delivery tankage charge as noted per cubic meter.		0.1697	0.1697	0.1770	0.1770
(e) In addition to the transportation rate shown, a delivery charge as noted per cubic meter will be assessed if the Carrier's delivery tankage at Griffith, Indiana or Flanagan, Illinois is used by the shipper, except for deliveries into the facilities owned by Illinois Extension Pipeline Company L.L.C. (Southern Access Extension Pipeline).		0.1697	0.1697	0.1770	0.1770
(f) The transportation rates from this receiving point include a break-out tankage credit as noted in cents per hundred cubic meters miles for light crude petroleum.		3.7171	3.7171	3.8773	3.8773
(f) The transportation rates from this receiving point include a break-out tankage credit as noted in cents per hundred cubic meter miles for medium crude petroleum.		4.0136	4.0136	4.1866	4.1866
(f) The transportation rates from this receiving point include a break-out tankage credit as noted in cents per hundred cubic meter miles for heavy crude petroleum.		4.4595	4.4595	4.6517	4.6517
(g) The transportation rates to this delivery point include a break-out tankage credit as noted in cents per hundred cubic meter miles for natural gas liquids.		1.0095	1.0095	1.0530	1.0530
(h) In addition to the transportation rate shown, a receipt tankage charge as noted per cubic meter will be assessed if the Carrier's receipt tankage at Griffith, Indiana is used by the shipper.		0.1697	0.1697	0.1770	0.1770

**Enbridge Energy, LP  
Worksheet Supporting Rates Set Forth  
In FERC No. 43.31.0**

From	To	Transportation Rates in Dollars per Cubic Meter			
		Previous FERC No. 43.30.0	Indexed Base Rate	Facilities Surcharge	Proposed FERC No. 43.31.0
<b>Transportation Rates for NGL</b>					
International Boundary near Neche, North Dakota	Superior, Wisconsin	4.6955	2.9019	1.9135	4.8154
	Rapid River, Michigan	7.7497	4.4921	3.4432	7.9353
	International Boundary near Marysville, Michigan	12.0380	6.6367	5.6756	12.3123
<b>Transportation Rates for Light Crude Petroleum</b>					
International Boundary near Neche, North Dakota	Clearbrook, Minnesota	2.5799	1.7670	0.8859	2.6529
	Superior, Wisconsin	5.3057	3.3167	2.1261	5.4428
	Lockport, Illinois	11.4310	6.5162	5.1841	11.7003
	Mokena, Illinois	11.4310	6.5162	5.1841	11.7003
	Flanagan, Illinois	11.4310	6.5162	5.1841	11.7003
	Griffith, Indiana	11.4310	6.5162	5.1841	11.7003
	Stockbridge, Michigan	13.7434	7.7578	6.3062	14.0640
	Marysville, Michigan	13.7434	7.7578	6.3062	14.0640
	International Boundary near Marysville, Michigan	13.4339	7.4350	6.3062	13.7412
Clearbrook, Minnesota	West Seneca, New York	14.0792	7.9369	6.4703	14.4072
	Clearbrook, Minnesota	1.3835	1.4431	0.0000	1.4431
	Superior, Wisconsin	4.1229	3.0070	1.2402	4.2472
	Lockport, Illinois	10.2469	6.2051	4.2982	10.5033
	Mokena, Illinois	10.2469	6.2051	4.2982	10.5033
	Flanagan, Illinois	10.2469	6.2051	4.2982	10.5033
	Griffith, Indiana	10.2469	6.2051	4.2982	10.5033
	Stockbridge, Michigan	12.5568	7.4441	5.4203	12.8644
	Marysville, Michigan	12.5568	7.4441	5.4203	12.8644
Mokena, Illinois	International Boundary near Marysville, Michigan	12.2496	7.1237	5.4203	12.5440
	West Seneca, New York	12.8968	7.6276	5.5844	13.2120
	Griffith, Indiana	1.5898	1.4735	0.1772	1.6507
	Stockbridge, Michigan	3.7254	2.6197	1.2140	3.8337
	Marysville, Michigan	5.0353	3.3221	1.8505	5.1726
Griffith, Indiana	International Boundary near Marysville, Michigan	4.7678	3.0225	1.8702	4.8927
	West Seneca, New York	5.4132	3.5246	2.0343	5.5589
	Griffith, Indiana	1.2157	1.2681	0.0000	1.2681
	Stockbridge, Michigan	3.7254	2.6197	1.2140	3.8337
	Marysville, Michigan	5.0353	3.3221	1.8505	5.1726
Griffith, Indiana	International Boundary near Marysville, Michigan	4.7678	3.0225	1.8702	4.8927
	West Seneca, New York	5.4132	3.5246	2.0343	5.5589
	Griffith, Indiana	1.2157	1.2681	0.0000	1.2681
	Stockbridge, Michigan	3.7254	2.6197	1.2140	3.8337

**Enbridge Energy, LP**  
**Worksheet Supporting Rates Set Forth**  
**In FERC No. 43.31.0**

From	To	Transportation Rates in Dollars per Cubic Meter			
		Previous FERC No. 43.30.0	Indexed Base Rate	Facilities Surcharge	Proposed FERC No. 43.31.0
<b>Transportation Rates for Light Crude Petroleum - Continued</b>					
Stockbridge, Michigan	Marysville, Michigan	2.5362	1.9816	0.6365	2.6181
	International Boundary near Marysville, Michigan	2.2663	1.6795	0.6562	2.3357
	West Seneca, New York	2.9138	2.1837	0.8203	3.0040
Lewiston, Michigan	Marysville, Michigan	3.6435	2.5342	1.2140	3.7482
	International Boundary near Marysville, Michigan	3.3609	2.2326	1.2206	3.4532
	West Seneca, New York	3.9969	2.7249	1.3846	4.1095
International Boundary near Grand Island, New York	West Seneca, New York	1.0938	0.9698	0.1641	1.1339
<b>Transportation Rates for Medium Crude Petroleum</b>					
International Boundary near Neché, North Dakota	Clearbrook, Minnesota	2.7253	1.8447	0.9568	2.8015
	Superior, Wisconsin	5.6567	3.5054	2.2962	5.8016
	Lockport, Illinois	12.2843	6.9737	5.5988	12.5725
	Mokena, Illinois	12.2843	6.9737	5.5988	12.5725
	Flanagan, Illinois	12.2843	6.9737	5.5988	12.5725
	Griffith, Indiana	12.2843	6.9737	5.5988	12.5725
	Stockbridge, Michigan	14.7815	8.3144	6.8107	15.1251
	Marysville, Michigan	14.7815	8.3144	6.8107	15.1251
	International Boundary near Marysville, Michigan	14.4739	7.9935	6.8107	14.8042
	West Seneca, New York	15.1455	8.5093	6.9879	15.4972
Clearbrook, Minnesota	Clearbrook, Minnesota	1.3835	1.4431	0.0000	1.4431
	Superior, Wisconsin	4.3265	3.1158	1.3395	4.4553
	Lockport, Illinois	10.9542	6.5842	4.6421	11.2263
	Mokena, Illinois	10.9542	6.5842	4.6421	11.2263
	Flanagan, Illinois	10.9542	6.5842	4.6421	11.2263
	Griffith, Indiana	10.9542	6.5842	4.6421	11.2263
	Stockbridge, Michigan	13.4499	7.9233	5.8540	13.7773
	Marysville, Michigan	13.4499	7.9233	5.8540	13.7773
	International Boundary near Marysville, Michigan	13.1420	7.6022	5.8540	13.4562
West Seneca, New York	13.8154	8.1199	6.0311	14.1510	

**Enbridge Energy, LP**  
**Worksheet Supporting Rates Set Forth**  
**In FERC No. 43.31.0**

From	To	Transportation Rates in Dollars per Cubic Meter			
		Previous FERC No. 43.30.0	Indexed Base Rate	Facilities Surcharge	Proposed FERC No. 43.31.0
<b>Transportation Rates for Medium Crude Petroleum - Continued</b>					
Mokena, Illinois	Griffith, Indiana	1.6190	1.4891	0.1914	1.6805
	Stockbridge, Michigan	3.9252	2.7268	1.3111	4.0379
	Marysville, Michigan	5.3404	3.4859	1.9986	5.4845
	International Boundary near Marysville, Michigan	5.0744	3.1863	2.0198	5.2061
	West Seneca, New York	5.7495	3.7056	2.1970	5.9026
Griffith, Indiana	Griffith, Indiana	1.2157	1.2681	0.0000	1.2681
	Stockbridge, Michigan	3.9252	2.7268	1.3111	4.0379
	Marysville, Michigan	5.3404	3.4859	1.9986	5.4845
	International Boundary near Marysville, Michigan	5.0744	3.1863	2.0198	5.2061
	West Seneca, New York	5.7495	3.7056	2.1970	5.9026
Stockbridge, Michigan	Marysville, Michigan	2.6406	2.0374	0.6874	2.7248
	International Boundary near Marysville, Michigan	2.3766	1.7398	0.7087	2.4485
	West Seneca, New York	3.0484	2.2557	0.8859	3.1416
Lewiston, Michigan	Marysville, Michigan	3.8379	2.6357	1.3111	3.9468
	International Boundary near Marysville, Michigan	3.5553	2.3335	1.3182	3.6517
	West Seneca, New York	4.2194	2.8414	1.4954	4.3368
International Boundary near Grand Island, New York	West Seneca, New York	1.1192	0.9826	0.1772	1.1598
<b>Transportation Rates for Heavy Crude Petroleum</b>					
International Boundary near Neche, North Dakota	Clearbrook, Minnesota	2.9818	1.9829	1.0808	3.0637
	Superior, Wisconsin	6.2695	3.8340	2.5939	6.4279
	Lockport, Illinois	13.7814	7.7782	6.3246	14.1028
	Mokena, Illinois	13.7814	7.7782	6.3246	14.1028
	Flanagan, Illinois	13.7814	7.7782	6.3246	14.1028
	Griffith, Indiana	13.7814	7.7782	6.3246	14.1028
	Stockbridge, Michigan	16.6038	9.2943	7.6936	16.9879
	Marysville, Michigan	16.6038	9.2943	7.6936	16.9879
	International Boundary near Marysville, Michigan	16.2919	8.9690	7.6936	16.6626
	West Seneca, New York	17.0107	9.5100	7.8937	17.4037

**Enbridge Energy, LP  
Worksheet Supporting Rates Set Forth  
In FERC No. 43.31.0**

From	To	Transportation Rates in Dollars per Cubic Meter			
		Previous FERC No. 43.30.0	Indexed Base Rate	Facilities Surcharge	Proposed FERC No. 43.31.0
<b>Transportation Rates for Heavy Crude Petroleum - Continued</b>					
Clearbrook, Minnesota	Clearbrook, Minnesota	1.3835	1.4431	0.0000	1.4431
	Superior, Wisconsin	4.6867	3.3104	1.5131	4.8235
	Lockport, Illinois	12.1955	7.2514	5.2438	12.4952
	Mokena, Illinois	12.1955	7.2514	5.2438	12.4952
	Flanagan, Illinois	12.1955	7.2514	5.2438	12.4952
	Griffith, Indiana	12.1955	7.2514	5.2438	12.4952
	Stockbridge, Michigan	15.0154	8.7648	6.6128	15.3776
	Marysville, Michigan	15.0154	8.7648	6.6128	15.3776
	International Boundary near Marysville, Michigan	14.7057	8.4418	6.6128	15.0546
	West Seneca, New York	15.4300	8.9886	6.8129	15.8015
Mokena, Illinois	Griffith, Indiana	1.6698	1.5163	0.2162	1.7325
	Stockbridge, Michigan	4.2759	2.9153	1.4811	4.3964
	Marysville, Michigan	5.8748	3.7731	2.2576	6.0307
	International Boundary near Marysville, Michigan	5.6179	3.4800	2.2817	5.7617
	West Seneca, New York	6.3347	4.0190	2.4818	6.5008
Griffith, Indiana	Griffith, Indiana	1.2157	1.2681	0.0000	1.2681
	Stockbridge, Michigan	4.2759	2.9153	1.4811	4.3964
	Marysville, Michigan	5.8748	3.7731	2.2576	6.0307
	International Boundary near Marysville, Michigan	5.6179	3.4800	2.2817	5.7617
	West Seneca, New York	6.3347	4.0190	2.4818	6.5008
Stockbridge, Michigan	Marysville, Michigan	2.8256	2.1373	0.7766	2.9139
	International Boundary near Marysville, Michigan	2.5636	1.8390	0.8006	2.6396
	West Seneca, New York	3.2860	2.3838	1.0007	3.3845
Lewiston, Michigan	Marysville, Michigan	4.1771	2.8122	1.4811	4.2933
	International Boundary near Marysville, Michigan	3.8979	2.5126	1.4891	4.0017
	West Seneca, New York	4.6088	3.0455	1.6892	4.7347
International Boundary near Grand Island, New York	West Seneca, New York	1.1688	1.0105	0.2001	1.2106