



ENBRIDGE ENERGY, LIMITED PARTNERSHIP

LOCAL TARIFF
 APPLYING ON
 CRUDE PETROLEUM AND NATURAL GAS LIQUIDS

FROM
 THE INTERNATIONAL BOUNDARY NEAR NECHE, NORTH DAKOTA
 AND POINTS IN THE STATES OF ILLINOIS, INDIANA, MICHIGAN, AND MINNESOTA

TO
 POINTS IN THE STATES OF ILLINOIS, INDIANA, MICHIGAN, MINNESOTA,
 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. ~~[W] 41.17.0 41.46.0~~ 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.

~~[C] 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: March 1, 2021

EFFECTIVE: April 1, 2021

ISSUED BY:
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COMPILED BY:
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 Enbridge Pipelines Inc.
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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 (kg/m^3) and a viscosity of up to but not including 0.4 square millimeters per second (mm^2/s) will be classified as **Natural Gas Liquids (NGL)**.

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

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

HEAVY CRUDE PETROLEUM - A commodity having a density from 904 kg/m^3 to 940 kg/m^3 inclusive and a viscosity from 100 to 350 mm^2/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)	5.1607
	Rapid River, Michigan	(c), (g), (i)	8.5420
	International Boundary near Marysville, Michigan	(g), (i)	13.2969

[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)	2.8213
	Superior, Wisconsin	(c), (d), (i)	5.8284
	Lockport, Illinois	(c), (i)	12.6087
	Mokena, Illinois	(c), (i)	12.6087
	Flanagan, Illinois	(c), (e), (i)	12.6087
	Griffith, Indiana	(c), (e), (i)	12.6087
	Stockbridge, Michigan	(c), (i)	15.1657
	Marysville, Michigan	(c), (i)	15.1657
	International Boundary near Marysville, Michigan	(i)	14.8364
Clearbrook, Minnesota (a),(b)	Clearbrook, Minnesota	(c), (j)	[U] 0.7361
	Superior, Wisconsin	(c), (d), (i), (j)	4.4938
	Lockport, Illinois	(c), (i), (j)	11.2727
	Mokena, Illinois	(c), (i), (j)	11.2727
	Flanagan, Illinois	(c), (e), (i), (j)	11.2727
	Griffith, Indiana	(c),(e), (i), (j)	11.2727
	Stockbridge, Michigan	(c), (i), (j)	13.8270
	Marysville, Michigan	(c), (i), (j)	13.8270
	International Boundary near Marysville, Michigan	(i), (j)	13.5002
Mokena, Illinois (b)	Griffith, Indiana	(c), (e), (i)	1.7069
	Stockbridge, Michigan	(c), (i)	4.0685
	Marysville, Michigan	(c), (i)	5.5170
	International Boundary near Marysville, Michigan	(i)	5.2340
Griffith, Indiana (b),(h)	Griffith, Indiana	(c), (e)	[U] 1.2936
	Stockbridge, Michigan	(c), (i)	4.0685
	Marysville, Michigan	(c), (i)	5.5170
	International Boundary near Marysville, Michigan	(i)	5.2340
Stockbridge, Michigan (b)	Marysville, Michigan	(c), (i)	2.7535
	International Boundary near Marysville, Michigan	(i)	2.4679
Lewiston, Michigan (b),(f)	Marysville, Michigan	(c), (i)	3.9812
	International Boundary near Marysville, Michigan	(i)	3.6812

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

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)	2.9821
	Superior, Wisconsin	(c), (d), (i)	6.2165
	Lockport, Illinois	(c), (i)	13.5523
	Mokena, Illinois	(c), (i)	13.5523
	Flanagan, Illinois	(c), (e), (i)	13.5523
	Griffith, Indiana	(c), (e), (i)	13.5523
	Stockbridge, Michigan	(c), (i)	16.3136
	Marysville, Michigan	(c), (i)	16.3136
	International Boundary near Marysville, Michigan	(i)	15.9863
Clearbrook, Minnesota (a),(b)	Clearbrook, Minnesota	(c), (j)	[U] 0.7361
	Superior, Wisconsin	(c), (d), (i), (j)	4.7188
	Lockport, Illinois	(c), (i), (j)	12.0548
	Mokena, Illinois	(c), (i), (j)	12.0548
	Flanagan, Illinois	(c), (e), (i), (j)	12.0548
	Griffith, Indiana	(c), (e), (i), (j)	12.0548
	Stockbridge, Michigan	(c), (i), (j)	14.8145
	Marysville, Michigan	(c), (i), (j)	14.8145
	International Boundary near Marysville, Michigan	(i), (j)	14.4869
Mokena, Illinois (b)	Griffith, Indiana	(c), (e), (i)	1.7391
	Stockbridge, Michigan	(c), (i)	4.2894
	Marysville, Michigan	(c), (i)	5.8543
	International Boundary near Marysville, Michigan	(i)	5.5732
Griffith, Indiana (b),(h)	Griffith, Indiana	(c), (e)	[U] 1.2936
	Stockbridge, Michigan	(c), (i)	4.2894
	Marysville, Michigan	(c), (i)	5.8543
	International Boundary near Marysville, Michigan	(i)	5.5732
Stockbridge, Michigan (b)	Marysville, Michigan	(c), (i)	2.8689
	International Boundary near Marysville, Michigan	(i)	2.5898
Lewiston, Michigan (b),(f)	Marysville, Michigan	(c), (i)	4.1965
	International Boundary near Marysville, Michigan	(i)	3.8963

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

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)	3.2656
	Superior, Wisconsin	(c), (d), (i)	6.8940
	Lockport, Illinois	(c), (i)	15.2076
	Mokena, Illinois	(c), (i)	15.2076
	Flanagan, Illinois	(c), (e), (i)	15.2076
	Griffith, Indiana	(c), (e), (i)	15.2076
	Stockbridge, Michigan	(c), (i)	18.3286
	Marysville, Michigan	(c), (i)	18.3286
	International Boundary near Marysville, Michigan	(i)	17.9967
Clearbrook, Minnesota (a),(b)	Clearbrook, Minnesota	(c), (j)	[U] 0.7361
	Superior, Wisconsin	(c), (d), (i), (j)	5.1171
	Lockport, Illinois	(c), (i), (j)	13.4274
	Mokena, Illinois	(c), (i), (j)	13.4274
	Flanagan, Illinois	(c), (e), (i), (j)	13.4274
	Griffith, Indiana	(c), (e), (i), (j)	13.4274
	Stockbridge, Michigan	(c), (i), (j)	16.5455
	Marysville, Michigan	(c), (i), (j)	16.5455
	International Boundary near Marysville, Michigan	(i), (j)	16.2160
Mokena, Illinois (b)	Griffith, Indiana	(c), (e), (i)	1.7954
	Stockbridge, Michigan	(c), (i)	4.6771
	Marysville, Michigan	(c), (i)	6.4452
	International Boundary near Marysville, Michigan	(i)	6.1738
Griffith, Indiana (b),(h)	Griffith, Indiana	(c), (e)	[U] 1.2936
	Stockbridge, Michigan	(c), (i)	4.6771
	Marysville, Michigan	(c), (i)	6.4452
	International Boundary near Marysville, Michigan	(i)	6.1738
Stockbridge, Michigan (b)	Marysville, Michigan	(c), (i)	3.0733
	International Boundary near Marysville, Michigan	(i)	2.7966
Lewiston, Michigan (b),(f)	Marysville, Michigan	(c), (i)	4.5719
	International Boundary near Marysville, Michigan	(i)	4.2755

[U] All rates on this page are unchanged

- (a) **Receipt Tankage** - The transportation rates from this receiving point include a receipt tankage charge of \$0.1806 per cubic meter.
- (b) **Receipt Terminalling** - The transportation rates from this receiving point include a receipt terminalling charge of \$0.4981 per cubic meter.
- (c) **Delivery Terminalling** - The transportation rates to this delivery point include a delivery terminalling charge of \$0.3274 per cubic meter.
- (d) **Delivery Tankage** - The transportation rates to this delivery point include a delivery tankage charge of \$0.1806 per cubic meter.
- (e) In addition to the transportation rate shown, a delivery tankage charge of \$0.1806 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 3.9554 cents per hundred cubic meter miles for light crude petroleum, 4.2709 cents per hundred cubic meter miles for medium crude petroleum, and 4.7454 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 1.0742 cents per hundred cubic meter miles for natural gas liquids.
- (h) In addition to the transportation rate shown, a receipt tankage charge of \$0.1806 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:**[C]** – Cancel**[I]** – Increase**[N]** – New**[U]** – Unchanged Rate**[W]** – Change in wording only



ENBRIDGE ENERGY, LIMITED PARTNERSHIP

APPENDIX A

WORKSHEET SUPPORTING RATES

**Enbridge Energy, LP
Worksheet Supporting Rates Set Forth
In FERC No. 43.39.0**

From	To	Transportation Rates in Dollars per Cubic Meter			
		Previous FERC No. 43.38.0	Indexed Base Rate	Facilities Surcharge	Proposed FERC No. 43.39.0
Transportation Rates for NGL					
International Boundary near Neche, North Dakota	Superior, Wisconsin	4.6869	2.9603	2.2004	5.1607
	Rapid River, Michigan	7.6895	4.5826	3.9594	8.5420
	International Boundary near Marysville, Michigan	11.8917	6.7704	6.5265	13.2969
Transportation Rates for Light Crude Petroleum					
International Boundary near Neche, North Dakota	Clearbrook, Minnesota	2.6020	1.8026	1.0187	2.8213
	Superior, Wisconsin	5.3020	3.3835	2.4449	5.8284
	Lockport, Illinois	11.3252	6.6474	5.9613	12.6087
	Mokena, Illinois	11.3252	6.6474	5.9613	12.6087
	Flanagan, Illinois	11.3252	6.6474	5.9613	12.6087
	Griffith, Indiana	11.3252	6.6474	5.9613	12.6087
	Stockbridge, Michigan	13.6044	7.9140	7.2517	15.1657
	Marysville, Michigan	13.6044	7.9140	7.2517	15.1657
	International Boundary near Marysville, Michigan	13.2751	7.5847	7.2517	14.8364
Clearbrook, Minnesota	Clearbrook, Minnesota	0.7361	0.7361	0.0000	0.7361
	Superior, Wisconsin	4.1867	3.0676	1.4262	4.4938
	Lockport, Illinois	10.2085	6.3301	4.9426	11.2727
	Mokena, Illinois	10.2085	6.3301	4.9426	11.2727
	Flanagan, Illinois	10.2085	6.3301	4.9426	11.2727
	Griffith, Indiana	10.2085	6.3301	4.9426	11.2727
	Stockbridge, Michigan	12.4850	7.5940	6.2330	13.8270
	Marysville, Michigan	12.4850	7.5940	6.2330	13.8270
	International Boundary near Marysville, Michigan	12.1582	7.2672	6.2330	13.5002
Mokena, Illinois	Griffith, Indiana	1.6631	1.5032	0.2037	1.7069
	Stockbridge, Michigan	3.7679	2.6725	1.3960	4.0685
	Marysville, Michigan	5.0588	3.3890	2.1280	5.5170
	International Boundary near Marysville, Michigan	4.7710	3.0834	2.1506	5.2340
Griffith, Indiana	Griffith, Indiana	1.2936	1.2936	0.0000	1.2936
	Stockbridge, Michigan	3.7679	2.6725	1.3960	4.0685
	Marysville, Michigan	5.0588	3.3890	2.1280	5.5170
	International Boundary near Marysville, Michigan	4.7710	3.0834	2.1506	5.2340

**Enbridge Energy, LP
Worksheet Supporting Rates Set Forth
In FERC No. 43.39.0**

From	To	Transportation Rates in Dollars per Cubic Meter			
		Previous FERC No. 43.38.0	Indexed Base Rate	Facilities Surcharge	Proposed FERC No. 43.39.0

Transportation Rates for Light Crude Petroleum - Continued					
Stockbridge, Michigan	Marysville, Michigan	2.5959	2.0215	0.7320	2.7535
	International Boundary near Marysville, Michigan	2.3054	1.7133	0.7546	2.4679
Lewiston, Michigan	Marysville, Michigan	3.6806	2.5852	1.3960	3.9812
	International Boundary near Marysville, Michigan	3.3790	2.2776	1.4036	3.6812

Transportation Rates for Medium Crude Petroleum					
International Boundary near Neche, North Dakota	Clearbrook, Minnesota	2.7452	1.8819	1.1002	2.9821
	Superior, Wisconsin	5.6480	3.5760	2.6405	6.2165
	Lockport, Illinois	12.1661	7.1141	6.4382	13.5523
	Mokena, Illinois	12.1661	7.1141	6.4382	13.5523
	Flanagan, Illinois	12.1661	7.1141	6.4382	13.5523
	Griffith, Indiana	12.1661	7.1141	6.4382	13.5523
	Stockbridge, Michigan	14.6274	8.4818	7.8318	16.3136
	Marysville, Michigan	14.6274	8.4818	7.8318	16.3136
Clearbrook, Minnesota	International Boundary near Marysville, Michigan	14.3001	8.1545	7.8318	15.9863
	Clearbrook, Minnesota	0.7361	0.7361	0.0000	0.7361
	Superior, Wisconsin	4.3872	3.1785	1.5403	4.7188
	Lockport, Illinois	10.9055	6.7168	5.3380	12.0548
	Mokena, Illinois	10.9055	6.7168	5.3380	12.0548
	Flanagan, Illinois	10.9055	6.7168	5.3380	12.0548
	Griffith, Indiana	10.9055	6.7168	5.3380	12.0548
	Stockbridge, Michigan	13.3652	8.0829	6.7316	14.8145
Marysville, Michigan	13.3652	8.0829	6.7316	14.8145	
International Boundary near Marysville, Michigan	13.0376	7.7553	6.7316	14.4869	

**Enbridge Energy, LP
Worksheet Supporting Rates Set Forth
In FERC No. 43.39.0**

From	To	Transportation Rates in Dollars per Cubic Meter			
		Previous FERC No. 43.38.0	Indexed Base Rate	Facilities Surcharge	Proposed FERC No. 43.39.0
Transportation Rates for Medium Crude Petroleum - Continued					
Mokena, Illinois	Griffith, Indiana	1.6918	1.5191	0.2200	1.7391
	Stockbridge, Michigan	3.9648	2.7817	1.5077	4.2894
	Marysville, Michigan	5.3595	3.5561	2.2982	5.8543
	International Boundary near Marysville, Michigan	5.0731	3.2505	2.3227	5.5732
Griffith, Indiana	Griffith, Indiana	1.2936	1.2936	0.0000	1.2936
	Stockbridge, Michigan	3.9648	2.7817	1.5077	4.2894
	Marysville, Michigan	5.3595	3.5561	2.2982	5.8543
	International Boundary near Marysville, Michigan	5.0731	3.2505	2.3227	5.5732
Stockbridge, Michigan	Marysville, Michigan	2.6987	2.0784	0.7905	2.8689
	International Boundary near Marysville, Michigan	2.4143	1.7748	0.8150	2.5898
Lewiston, Michigan	Marysville, Michigan	3.8719	2.6888	1.5077	4.1965
	International Boundary near Marysville, Michigan	3.5700	2.3805	1.5158	3.8963
Transportation Rates for Heavy Crude Petroleum					
International Boundary near Neche, North Dakota	Clearbrook, Minnesota	2.9980	2.0228	1.2428	3.2656
	Superior, Wisconsin	6.2518	3.9112	2.9828	6.8940
	Lockport, Illinois	13.6417	7.9348	7.2728	15.2076
	Mokena, Illinois	13.6417	7.9348	7.2728	15.2076
	Flanagan, Illinois	13.6417	7.9348	7.2728	15.2076
	Griffith, Indiana	13.6417	7.9348	7.2728	15.2076
	Stockbridge, Michigan	16.4237	9.4815	8.8471	18.3286
	Marysville, Michigan	16.4237	9.4815	8.8471	18.3286
	International Boundary near Marysville, Michigan	16.0918	9.1496	8.8471	17.9967

**Enbridge Energy, LP
Worksheet Supporting Rates Set Forth
In FERC No. 43.39.0**

From	To	Transportation Rates in Dollars per Cubic Meter			
		Previous FERC No. 43.38.0	Indexed Base Rate	Facilities Surcharge	Proposed FERC No. 43.39.0
Transportation Rates for Heavy Crude Petroleum - Continued					
Clearbrook, Minnesota	Clearbrook, Minnesota	0.7361	0.7361	0.0000	0.7361
	Superior, Wisconsin	4.7424	3.3771	1.7400	5.1171
	Lockport, Illinois	12.1291	7.3974	6.0300	13.4274
	Mokena, Illinois	12.1291	7.3974	6.0300	13.4274
	Flanagan, Illinois	12.1291	7.3974	6.0300	13.4274
	Griffith, Indiana	12.1291	7.3974	6.0300	13.4274
	Stockbridge, Michigan	14.9083	8.9413	7.6042	16.5455
	Marysville, Michigan	14.9083	8.9413	7.6042	16.5455
Mokena, Illinois	International Boundary near Marysville, Michigan	14.5788	8.6118	7.6042	16.2160
	Griffith, Indiana	1.7418	1.5468	0.2486	1.7954
	Stockbridge, Michigan	4.3104	2.9740	1.7031	4.6771
	Marysville, Michigan	5.8863	3.8491	2.5961	6.4452
Griffith, Indiana	International Boundary near Marysville, Michigan	5.6089	3.5501	2.6237	6.1738
	Griffith, Indiana	1.2936	1.2936	0.0000	1.2936
	Stockbridge, Michigan	4.3104	2.9740	1.7031	4.6771
	Marysville, Michigan	5.8863	3.8491	2.5961	6.4452
Stockbridge, Michigan	International Boundary near Marysville, Michigan	5.6089	3.5501	2.6237	6.1738
	Marysville, Michigan	2.8810	2.1803	0.8930	3.0733
Lewiston, Michigan	International Boundary near Marysville, Michigan	2.5984	1.8760	0.9206	2.7966
	Marysville, Michigan	4.2052	2.8688	1.7031	4.5719
	International Boundary near Marysville, Michigan	3.9069	2.5632	1.7123	4.2755



ENBRIDGE ENERGY, LIMITED PARTNERSHIP

APPENDIX B

**REVENUE REQUIREMENT CALCULATION
FOR FACILITIES SURCHARGE**

Enbridge Energy, LP
Revenue Requirement, Adjustments, and Unit Transmission Rate
Set Forth in FERC No. 43.39.0
Amounts in Thousands of U.S. Dollars

Schedule 1 (Summary of Facilities Surcharge (FS) Revenue Requirement)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected <u>2020</u>	Actual <u>2020</u>	Projected <u>2021</u>
FS Projects: 1, 3, 4, 6-8, 13-17					
1	Return on Rate Base	Input	39,476	41,730	46,426
2	Income Taxes	Input	11,786	12,829	15,026
3	Amortization of Deferred Earnings	Input	1,759	1,633	1,846
4	Depreciation	Input	21,367	21,367	21,367
5	Amortization of Allowance of Funds Used During Construction (AFUDC)	Input	504	504	504
6	Operating Costs	Input	7,466	7,406	7,466
7	Subtotal	Sum Lns. (1 - 6)	82,357	85,468	92,634
FS Projects: 5, 12, 18-26					
8	Southern Access Mainline Expansion (Project 5)	Pg. 3, Sch. 8, Ln. 4	222,340	201,338	200,524
9	Alberta Clipper (Project 12)	Pg. 4, Sch. 2, Ln. 7	222,627	209,866	201,572
10	Eastern Access Mainline Expansion Phase 1 and 2 (Projects 18, 19)	Pg. 7, Sch. 8, Ln. 5	248,995	267,211	305,190
11	2014 - 2016 Mainline Expansions (Projects 20, 24)	Pg. 8, Sch. 2, Ln. 7	311,404	315,655	384,895
12	Line 14 (Project 21)	Pg. 11, Sch. 8, Ln. 6	35,630	29,266	(3,327)
13	Agreed-Upon Legacy Integrity (Projects 22)	Pg. 12, Sch. 2, Ln. 7	41,366	42,859	45,861
14	Agreed-Upon Future Integrity (Project 23)	Pg. 14, Sch. 2, Ln. 7	48,969	50,229	54,839
15	Interim Lakehead Operational Tank Service (Project 25)	Input	18,000	18,000	8,926
16	Revenue Credit	Input, Note 1	(330,392)	(287,034)	(330,692)
17	Subtotal	Sum Lns. (8 - 16)	818,938	847,390	867,787
18	Total FS Revenue Requirement	Sum Lns. (7 & 17)	901,294	932,858	960,421

Schedule 2 (Adjustments to FS Revenue Requirement)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected <u>2020</u>	Actual <u>2020</u>	Projected <u>2021</u>
1	Total FS Revenue Requirement	Sch. 1, Ln. 18	901,294	932,858	960,421
2	True-Up of (Over) / Under Collection of Previous Year's FS Revenue Requirement	Input	(6,006)	(6,006)	91,345
3	Interest on True-Up of (Over) / Under Collection of Previous Year's FS Revenue Requirement	Input * (Average Quarterly T-Bill Rate), Note 2	(354)	(354)	88
4	Interest on True-up of (Over) / Under Collection of Previous Year's ABC Revenue Requirement	Input * (Average Monthly 2018 BoC Bank Rate)	241	241	28
5	Total FS Adjusted Revenue Requirement	Sum Lns. (1 - 4)	895,175	926,738	1,051,881
6	Transmission FS Revenue Requirement - Adjusted For Annual Revenue Collection	Input, Note 3			1,109,816
7	Actual Revenue Collected	Input		835,394	

Schedule 3 (System Deliveries and Light Crude Equivalent Unit Transmission Rate)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected <u>2021</u>
1	Total System Deliveries [m3 per day]	Input	468,112
2	Light Crude Equivalent (LCE) [000 m3.miles per day]	Input	402,941
Calculation of LCE Unit Transmission Rate			
3	Times Days From January 1 - December 31 (Days)	Input	365
4	Total LCE [000 m3.miles]	Lns. 2 * 3	147,073,602
5	LCE Unit Transmission Rate [cents/100 m3.mile]	(Sch. 2, Ln. 6 / Sch. 3, Ln. 4) *10,000	75.459891

Notes

1. Revenue Credit includes Qualifying Volumes in accordance with the Alberta Clipper U.S. Term Sheet at paragraph 13 as well as the incremental revenue generated by incremental volumes associated with the Line 3 Replacement Canada Project (Q1 - Q3 2021) and the full Line 3 Replacement Project (Q4 2021).
2. The Average Quarterly U.S. T-Bill Rate is based on the following dates: (3/31/20, 06/30/20, 09/30/20, 12/31/20).
3. Revenue Requirement adjusted to collect the Total FS Adjusted Revenue Requirement within the calendar year.
4. Totals may not add due to rounding.

Enbridge Energy, LP
Revenue Requirement Calculation for Southern Access Mainline Expansion (Project 5)
Set Forth in FERC No. 43.39.0
Amounts in Thousands of U.S. Dollars

Schedule 1 (Inputs)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Carrier Plant In Service (CPIS) Additions	Input, Note 1	1,854,490	1,848,109	1,848,109
Operating Expenses:					
2	Operating Expenses (Property Taxes)	Input	12,701	12,468	12,701
3	Operating Expenses (Power)	Input, Note 2	82,548	67,358	72,907
4	Operating Expenses (Other)	Input	19,286	12,717	18,829

Schedule 2 (Summary of Revenue Requirement)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Overall Return on Rate Base	Sch. 5, Ln. 9	100,715	100,114	92,101
2	Income Tax Allowance	Sch. 6, Ln. 7	29,861	29,566	28,455
3	Operating Expenses Excluding Depreciation	Sch. 1, Sum Lns. (2 - 4)	114,535	92,542	104,437
4	Depreciation of Assets	Input	61,272	61,143	61,143
5	Depreciation on AFUDC	Input	3,136	3,128	3,128
6	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	6,313	6,050	6,476
7	Total Revenue Requirement	Sum Lns. (1 - 6)	<u>315,832</u>	<u>292,544</u>	<u>295,740</u>

Schedule 3 (Average Rate Base)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	CPIS Additions	Input	1,854,490	1,848,109	1,848,109
2	Accumulated Depreciation	Input	(722,495)	(722,436)	(783,579)
3	Net AFUDC	Input	56,688	56,283	53,155
4	Accumulated Deferred Income Tax (ADIT)	Sch. 7, Ln. - (11)	(8,679)	(7,740)	(20,884)
5	Working Capital	Input	-	-	-
6	Average Rate Base	Sum Lns. (1 - 5)	<u>1,180,004</u>	<u>1,174,216</u>	<u>1,096,801</u>

Schedule 4 (Deferred Earnings)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Deferred Earnings-Beginning of the Year (BOY)	Previous Year Ln. 4	135,708	135,708	139,321
2	Annual Deferred Earnings	Input	17,589	9,663	12,795
3	Amortization of Deferred Earnings	Input	(6,313)	(6,050)	(6,476)
4	Deferred Earnings-End of Year (EOY)	Sum Lns. (1 - 3)	<u>146,984</u>	<u>139,321</u>	<u>145,640</u>
5	Average Deferred Earnings	(Ln. 1 + Ln. 4) / 2	141,346	137,515	142,481

Schedule 5 (Return on Rate Base)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Equity Rate Base - Average	Sch. 3, Ln. 6 * 55% + Sch. 4, Ln. 5	790,348	783,334	745,722
2	Debt Rate Base - Average	Sch. 3, Ln. 6 * 45%	<u>531,002</u>	<u>528,397</u>	<u>493,561</u>
3	Total Rate Base - Average	Sum Lns. (1 - 2)	<u>1,321,350</u>	<u>1,311,731</u>	<u>1,239,282</u>
4	Adjusted Equity Ratio	Ln. 1 / Ln. 3	59.8%	59.7%	60.2%
5	Adjusted Debt Ratio	1 - Ln. 4	40.2%	40.3%	39.8%
6	Cost of Equity (Real)	Input	9.0%	9.0%	9.0%
7	Cost of Debt	Input	5.6%	5.6%	5.1%
8	Weighted Cost of Capital	Lns. (6 * 4 + 7 * 5)	7.6%	7.6%	7.4%
9	Total Return on Rate Base	Lns. 3 * 8	100,715	100,114	92,101
10	Interest Expense	Lns. - (2 * 7)	<u>(29,701)</u>	<u>(29,614)</u>	<u>(24,986)</u>
11	Equity Return on Rate Base	Sum Lns. (9 - 10)	<u>71,015</u>	<u>70,500</u>	<u>67,115</u>

Schedule 6 (Income Tax Allowance)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected 2020	Actual 2020	Projected 2021
1	Equity Return on Rate Base	Sch. 5, Ln. 11	71,015	70,500	67,115
2	Amortization of Allowance for Equity During Construction (AEDC)	Input	2,191	2,185	2,185
3	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	6,313	6,050	6,476
4	Amortization of Over(Under) Funded ADIT	Sch. 7, Ln. 7	-	-	-
5	Total Taxable Return	Sum Lns. (1 - 4)	79,519	78,735	75,776
6	Net to Tax Multiplier	Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5)	37.6%	37.6%	37.6%
7	Tax Allowance	Lns. 4 plus Lns. (5 * 6)	29,861	29,566	28,455

Schedule 7 (ADIT)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected 2020	Actual 2020	Projected 2021
1	MACRS Claim	Input	123,044	116,034	104,431
2	Depreciation	Sch. 2, Ln. 4	61,272	61,143	61,143
3	AIDC Amortization	Input	945	943	943
4	Difference	Ln. 1 - Sum Lns. (2 - 3)	60,827	53,948	42,344
5	Income Tax Rate	Input	27.3%	27.3%	27.3%
6	Deferred Income Tax Expense	Ln. 4 * Ln. 5	16,606	14,728	11,560
7	Amortization of Over(Under) Funded ADIT	Input	-	-	-
8	Adjusted Deferred Income Tax Expense	Sum Lns. (6 - 7)	16,606	14,728	11,560
9	Previous ADIT	Input	376	376	15,104
10	Year End ADIT	Sum Lns. (8 - 9)	16,982	15,104	26,664
11	Average ADIT	Average Lns. 9 and 10	8,679	7,740	20,884

Schedule 8 (Adjustments to Revenue Requirement)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected 2020	Actual 2020	Projected 2021
1	Total Revenue Requirement	Sch. 2, Ln. 7	315,832	292,544	295,740
2	50% of Qualifying Volume Credits	Input	(86,879)	(86,619)	(87,815)
3	Tankage Credits	Input	(6,613)	(4,587)	(7,401)
4	Total Revenue Requirement - Adjusted	Sum Lns. (1, 2 and 3)	222,340	201,338	200,524

Notes

1. CPIS Additions represent average cumulative gross plant for a calendar year.
2. Reflects power costs related to Southern Access Mainline Expansion (Project 5) and subsequent expansions related to Southern Access Mainline Expansion.

Schedule 1 (Inputs)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	<u>Projected 2020</u>	<u>Actual 2020</u>	<u>Projected 2021</u>
1	CPIS Additions	Input, Note 1	1,203,532	1,203,532	1,204,301
	<u>Operating Expenses:</u>				
2	Operating Expenses (Property Taxes)	Input, Note 2	15,248	15,239	18,023
3	Operating Expenses (Power)	Input, Note 3	80,040	59,886	60,196
4	Operating Expenses (Other)	Input, Note 2	16,313	16,304	14,160

Schedule 2 (Summary of Revenue Requirement)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	<u>Projected 2020</u>	<u>Actual 2020</u>	<u>Projected 2021</u>
1	Overall Return on Rate Base	Sch. 5, Ln. 9	57,708	63,290	55,738
2	Income Tax Allowance	Sch. 6, Ln. 7	15,895	17,881	15,913
3	Operating Expenses Excluding Depreciation	Sch. 1, Sum Lns. (2 - 4)	111,601	91,429	92,379
4	Depreciation of Assets	Input	32,658	32,658	32,678
5	Depreciation on AFUDC	Input	1,584	1,584	1,584
6	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	3,179	3,023	3,279
7	Total Revenue Requirement	Sum Lns. (1 - 6)	222,627	209,866	201,572

Schedule 3 (Average Rate Base)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	<u>Projected 2020</u>	<u>Actual 2020</u>	<u>Projected 2021</u>
1	CPIS Additions	Input	1,203,532	1,203,532	1,204,301
2	Accumulated Depreciation	Input	(370,682)	(370,682)	(403,351)
3	Net AFUDC	Input	39,974	39,974	38,390
4	ADIT	Sch. 7, Ln. - (11)	(10,496)	(10,496)	(23,583)
5	Working Capital	Input	9,008	8,167	7,576
6	Average Rate Base	Sum Lns. (1 - 5)	871,336	870,495	823,333

Schedule 4 (Deferred Earnings)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	<u>Projected 2020</u>	<u>Actual 2020</u>	<u>Projected 2021</u>
1	Deferred Earnings-BOY	Previous Year Ln. 4	87,596	87,596	91,583
2	Annual Deferred Earnings	Input	12,742	7,011	9,394
3	Amortization of Deferred Earnings	Input	(3,179)	(3,023)	(3,279)
4	Deferred Earnings-End of Year	Sum Lns. (1 - 3)	97,158	91,583	97,698
5	Average Deferred Earnings	(Ln. 1 + Ln. 4) / 2	92,377	89,589	94,641

Schedule 5 (Return on Rate Base)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	<u>Projected 2020</u>	<u>Actual 2020</u>	<u>Projected 2021</u>
1	Equity Rate Base - Average	Sch. 3, Ln. 6 * 55% + Sch. 4, Ln. 5	571,612	568,362	547,474
2	Debt Rate Base - Average	Sch. 3, Ln. 6 * 45%	392,101	391,723	370,500
3	Total Rate Base - Average	Sum Lns. (1 - 2)	963,713	960,085	917,974
4	Adjusted Equity Ratio	Ln. 1 / Ln. 3	59.3%	59.2%	59.6%
5	Adjusted Debt Ratio	1 - Ln. 4	40.7%	40.8%	40.4%
6	Cost of Equity (Real)	Input	6.7%	7.6%	6.9%
7	Cost of Debt	Input	5.0%	5.1%	4.8%
8	Weighted Cost of Capital	Lns. (6 * 4 + 7 * 5)	6.0%	6.6%	6.1%
9	Total Return on Rate Base	Lns. 3 * 8	57,708	63,290	55,738
10	Interest Expense	Lns. - (2 * 7)	(19,691)	(19,831)	(17,776)
11	Equity Return on Rate Base	Sum Lns. (9 - 10)	38,017	43,459	37,963

Schedule 6 (Income Tax Allowance)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	<u>Projected 2020</u>	<u>Actual 2020</u>	<u>Projected 2021</u>
1	Equity Return on Rate Base	Sch. 5, Ln. 11	38,017	43,459	37,963
2	Amortization of AEDC	Input	1,133	1,133	1,133
3	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	3,179	3,023	3,279
4	Amortization of Over(Under) Funded ADIT	Sch. 7, Ln. 7	-	-	-
5	Total Taxable Return	Sum Lns. (1 - 4)	42,330	47,616	42,375
6	Net to Tax Multiplier	Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5)	37.6%	37.6%	37.6%
7	Tax Allowance	Lns. 4 plus Lns. (5 * 6)	15,895	17,881	15,913

Schedule 7 (ADIT)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	<u>Projected 2020</u>	<u>Actual 2020</u>	<u>Projected 2021</u>
1	MACRS Claim	Input	85,587	85,587	76,523
2	Depreciation	Sch. 2, Ln. 4	32,658	32,658	32,678
3	AIDC Amortization	Input	451	451	451
4	Difference	Ln. 1 - Sum Lns. (2 - 3)	52,478	52,478	43,394
5	Income Tax Rate	Input	27.3%	27.3%	27.3%
6	Deferred Income Tax Expense	Ln. 4 * Ln. 5	14,327	14,327	11,847
7	Amortization of Over(Under) Funded ADIT	Input	-	-	-
8	Adjusted Deferred Income Tax Expense	Sum Lns. (6 - 7)	14,327	14,327	11,847
9	Previous ADIT	Input	3,353	3,353	17,660
10	Year End ADIT	Sum Lns. (8 - 9)	17,660	17,660	29,506
11	Average ADIT	Average Lns. 9 and 10	10,496	10,496	23,583

Notes

1. CPIS Additions represent average cumulative gross plant for a calendar year.
2. Property Taxes and Operating Expenses (Other) are adjusted in accordance with Alberta Clipper U.S. Term Sheet at paragraph 3(f)(i).
3. Reflects power costs related to Albert Clipper (Project 12) and subsequent expansions related to Alberta Clipper.

Enbridge Energy, LP
Revenue Requirement Calculation for Eastern Access Mainline Expansion Phase 1 and 2 (Projects 18, 19)
Set Forth in FERC No. 43.39.0
Amounts in Thousands of U.S. Dollars

Schedule 1 (Inputs)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	CPIA Additions	Input, Note 1	2,140,692	2,141,969	2,142,142
	<u>Operating Expenses:</u>				
2	Operating Expenses (Property Taxes)	Input	34,801	34,481	34,801
3	Operating Expenses (Power)	Input	8,490	1,298	7,446
4	Operating Expenses (Other)	Input	27,210	27,156	29,596

Schedule 2 (Summary of Revenue Requirement)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Overall Return on Rate Base	Sch. 5, Ln. 9	148,405	158,741	172,571
2	Income Tax Allowance	Sch. 6, Ln. 7	41,101	44,842	52,729
3	Operating Expenses Excluding Depreciation	Sch. 1, Sum Lns. (2 - 4)	70,501	62,935	71,843
4	Depreciation of Assets	Input	68,124	68,168	68,170
5	Depreciation on AFUDC	Input	3,278	3,278	3,278
6	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	3,910	3,564	4,132
7	Total Revenue Requirement	Sum Lns. (1 - 6)	335,320	341,529	372,724

Schedule 3 (Average Rate Base)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	CPIA Additions	Input	2,140,692	2,141,969	2,142,142
2	Accumulated Depreciation	Input	(413,649)	(413,670)	(481,840)
3	Net AFUDC	Input	82,541	82,541	79,263
4	ADIT	Sch. 7, Ln. - (11)	(20,459)	(20,651)	(47,623)
5	Working Capital	Input	-	-	-
6	Average Rate Base	Sum Lns. (1 - 5)	1,789,125	1,790,188	1,691,941

Schedule 4 (Deferred Earnings)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Deferred Earnings-BOY	Previous Year Ln. 4	90,660	90,660	100,421
2	Annual Deferred Earnings	Input	24,182	13,324	17,807
3	Amortization of Deferred Earnings	Input	(3,910)	(3,564)	(4,132)
4	Deferred Earnings-End of Year	Sum Lns. (1 - 3)	110,932	100,421	114,096
5	Average Deferred Earnings	(Ln. 1 + Ln. 4) / 2	100,796	95,540	107,258

Schedule 5 (Return on Rate Base)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Equity Rate Base - Average	Sch. 3, Ln. 6 * 55% + Sch. 4, Ln. 5	1,084,815	1,080,144	1,037,826
2	Debt Rate Base - Average	Sch. 3, Ln. 6 * 45%	805,106	805,585	761,374
3	Total Rate Base - Average	Sum Lns. (1-2)	1,889,921	1,885,729	1,799,200
4	Adjusted Equity Ratio	Ln. 1 / Ln. 3	57.4%	57.3%	57.7%
5	Adjusted Debt Ratio	1 - Ln. 4	42.6%	42.7%	42.3%
6	Cost of Equity (Real)	Input	9.5%	10.5%	12.9%
7	Cost of Debt	Input	5.6%	5.6%	5.1%
8	Weighted Cost of Capital	Lns. (6 * 4 + 7 * 5)	7.9%	8.4%	9.6%
9	Total Return on Rate Base	Input	148,405	158,741	172,571
10	Interest Expense	Input	(45,122)	(45,149)	(38,544)
11	Equity Return on Rate Base	Sum Lns. (9-10)	103,283	113,592	134,027

Schedule 6 (Income Tax Allowance)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected 2020	Actual 2020	Projected 2021
1	Equity Return on Rate Base	Sch. 5, Ln. 11	103,283	113,592	134,027
2	Amortization of AEDC	Input	2,259	2,259	2,259
3	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	3,910	3,564	4,132
4	Amortization of Over(Under) Funded ADIT	Sch. 7, Ln. 7	-	-	-
5	Total Taxable Return	Sum Lns. (1 - 4)	109,453	119,415	140,417
6	Net to Tax Multiplier	Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5)	37.6%	37.6%	37.6%
7	Tax Allowance	Lns. 4 plus Lns. (5 * 6)	41,101	44,842	52,729

Schedule 7 (ADIT)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected 2020	Actual 2020	Projected 2021
1	MACRS Claim	Input	176,065	177,515	158,458
2	Depreciation	Sch. 2, Ln. 4	68,124	68,168	68,170
3	AIDC Amortization	Input	1,020	1,020	1,020
4	Difference	Ln. 1 - Sum Lns. (2 - 3)	106,921	108,327	89,269
5	Income Tax Rate	Input	27.3%	27.3%	27.3%
6	Deferred Income Tax Expense	Ln. 4 * Ln. 5	29,190	29,573	24,370
7	Amortization of Over(Under) Funded ADIT	Input	-	-	-
8	Adjusted Deferred Income Tax Expense	Sum Lns. (6 - 7)	29,190	29,573	24,370
9	Previous ADIT	Input	5,864	5,864	35,438
10	Year end ADIT	Sum Lns. (8 - 9)	35,054	35,438	59,808
11	Average ADIT	Average Lns. 9 and 10	20,459	20,651	47,623

Schedule 8 (Adjustments to Revenue Requirement)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected 2020	Actual 2020	Projected 2021
1	Total Revenue Requirement	Sch. 2, Ln. 7	335,320	341,529	372,724
2	Index Revenue Credits	Input	(26,771)	(11,629)	(30,074)
3	Capital Cost Risk Sharing	Input	(23,420)	(24,713)	(13,352)
4	Line 6B Integrity Credits	Input	(36,134)	(37,975)	(24,108)
5	Total Revenue Requirement - Adjusted	Sum Lns. (1 - 4)	248,995	267,211	305,190

Notes

1. CPIS Additions represent average cumulative gross plant for a calendar year.

Schedule 1 (Inputs)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	CPIS Additions	Input, Note 1	2,043,333	2,009,208	2,225,704
	Operating Expenses:				
2	Operating Expenses (Property Taxes)	Input	22,927	20,793	22,927
3	Operating Expenses (Power)	Input	-	-	-
4	Operating Expenses (Other)	Input	34,076	31,830	33,221

Schedule 2 (Summary of Revenue Requirement)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Overall Return on Rate Base	Sch. 5, Ln. 9	139,599	146,004	186,509
2	Income Tax Allowance	Sch. 6, Ln. 7	40,629	43,914	59,350
3	Operating Expenses Excluding Depreciation	Sch. 1, Sum Lns. (2 - 4)	57,003	52,623	56,148
4	Depreciation of Assets	Input	66,937	66,277	73,298
5	Depreciation on AFUDC	Input	3,770	3,729	5,804
6	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	3,466	3,109	3,786
7	Total Revenue Requirement	Sum Lns. (1 - 6)	311,404	315,655	384,895

Schedule 3 (Average Rate Base)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	CPIS Additions	Input	2,043,333	2,009,208	2,225,704
2	Accumulated Depreciation	Input	(305,702)	(305,396)	(381,966)
3	Net AFUDC	Input	97,633	95,826	154,023
4	ADIT	Sch. 7, Ln. - (11)	(26,030)	(20,998)	(54,320)
5	Working Capital	Input	-	-	-
6	Average Rate Base	Sum Lns. (1 - 5)	1,809,234	1,778,640	1,943,441

Schedule 4 (Deferred Earnings)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Deferred Earnings-BOY	Previous Year Ln. 4	75,604	75,604	87,357
2	Annual Deferred Earnings	Input	23,933	13,062	19,962
3	Amortization of Deferred Earnings	Input	(3,466)	(3,109)	(3,786)
4	Deferred Earnings-End of Year	Sum Lns. (1 - 3)	96,071	85,556	103,533
5	Average Deferred Earnings	(Ln. 1 + Ln. 4) / 2	85,837	80,580	95,445

Schedule 5 (Return on Rate Base)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Equity Rate Base - Average	Sch. 3, Ln. 6 * 55% + Sch. 4, Ln. 5	1,080,916	1,058,833	1,164,338
2	Debt Rate Base - Average	Sch. 3, Ln. 6 * 45%	814,155	800,388	874,549
3	Total Rate Base - Average	Sum Lns. (1-2)	1,895,071	1,859,221	2,038,886
4	Adjusted Equity Ratio	Ln. 1 / Ln. 3	57.0%	57.0%	57.1%
5	Adjusted Debt Ratio	1 - Ln. 4	43.0%	43.0%	42.9%
6	Cost of Equity (Real)	Input	9.5%	10.5%	12.9%
7	Cost of Debt	Input	4.6%	4.3%	4.1%
8	Weighted Cost of Capital	Lns. (6 * 4 + 7 * 5)	7.4%	7.9%	9.2%
9	Total Return on Rate Base	Input	139,599	146,004	186,509
10	Interest Expense	Input	(37,380)	(34,652)	(36,264)
11	Equity Return on Rate Base	Sum Lns. (9-10)	102,219	111,351	150,245

Schedule 6 (Income Tax Allowance)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	<u>Projected 2020</u>	<u>Actual 2020</u>	<u>Projected 2021</u>
1	Equity Return on Rate Base	Sch. 5, Ln. 11	102,219	111,351	150,245
2	Amortization of AEDC	Input	2,511	2,482	4,019
3	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	3,466	3,109	3,786
4	Amortization of Over(Under) Funded ADIT	Sch. 7, Ln. 7	-	-	-
5	Total Taxable Return	Sum Lns. (1 - 4)	108,196	116,942	158,050
6	Net to Tax Multiplier	Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5)	37.6%	37.6%	37.6%
7	Tax Allowance	Lns. 4 plus Lns. (5 * 6)	40,629	43,914	59,350

Schedule 7 (ADIT)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	<u>Projected 2020</u>	<u>Actual 2020</u>	<u>Projected 2021</u>
1	MACRS Claim	Input	212,461	174,926	206,409
2	Depreciation	Sch. 2, Ln. 4	66,937	66,277	73,298
3	AIDC Amortization	Input	1,259	1,247	1,785
4	Difference	Ln. 1 - Sum Lns. (2 - 3)	144,266	107,403	131,326
5	Income Tax Rate	Input	27.3%	27.3%	27.3%
6	Deferred Income Tax Expense	Ln. 4 * Ln. 5	39,385	29,321	35,852
7	Amortization of Over(Under) Funded ADIT	Input	-	-	-
8	Adjusted Deferred Income Tax Expense	Sum Lns. (6 - 7)	39,385	29,321	35,852
9	Previous ADIT	Input	6,337	6,337	36,394
10	Year End ADIT	Sum Lns. (8 - 9)	45,722	35,658	72,246
11	Average ADIT	Average Lns. 9 and 10	26,030	20,998	54,320

Notes

1. CPIS Additions represent average cumulative gross plant for a calendar year.

Schedule 1 (Inputs)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	CPIs Additions	Input, Note 1	661,710	657,863	661,579
Operating Expenses:					
2	Operating Expenses (Property Taxes)	Input	389	353	389
3	Operating Expenses (Power)	Input	(4,500)	(4,500)	(4,500)
4	Operating Expenses (Other)	Input	14,685	10,586	11,815

Schedule 2 (Summary of Revenue Requirement)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Overall Return on Rate Base	Sch. 5, Ln. 9	10,768	11,222	11,395
2	Income Tax Allowance	Sch. 6, Ln. 7	5,891	6,073	3,633
3	Operating Expenses Excluding Depreciation	Sch. 1, Sum Lns. (2 - 4)	10,574	6,439	7,704
4	Depreciation of Assets	Input	31,016	30,883	5,876
5	Depreciation on AFUDC	Input	425	425	5
6	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	7,314	7,125	486
7	Total Revenue Requirement	Sum Lns. (1 - 6)	65,988	62,167	29,100

Schedule 3 (Average Rate Base)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	CPIs Additions	Input	661,710	657,863	661,579
2	Accumulated Depreciation	Input	(531,976)	(531,941)	(550,305)
3	Net AFUDC	Input	329	330	143
4	ADIT	Sch. 7, Ln. - (11)	5,207	6,912	6,831
5	Working Capital	Input	-	-	-
6	Average Rate Base	Sum Lns. (1 - 5)	135,270	133,163	118,248

Schedule 4 (Deferred Earnings)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Deferred Earnings-BOY	Input	11,856	11,856	5,744
2	Annual Deferred Earnings	Input	1,862	1,012	1,221
3	Amortization of Deferred Earnings	Input	(7,314)	(7,125)	(486)
4	Deferred Earnings-End of Year	Sum Lns. (1 - 3)	6,404	5,744	6,478
5	Average Deferred Earnings	(Ln. 1 + Ln. 4) / 2	9,130	8,800	6,111

Schedule 5 (Return on Rate Base)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Equity Rate Base - Average	Sch.3, Ln. 6 * 55% + Sch. 4, Ln. 5	83,529	82,040	71,147
2	Debt Rate Base - Average	Sch.3, Ln. 6 * 45%	60,871	59,924	53,211
3	Total Rate Base - Average	Sum Lns. (1 - 2)	144,400	141,963	124,358
4	Adjusted Equity Ratio	Ln. 1 / Ln. 3	57.8%	57.8%	57.2%
5	Adjusted Debt Ratio	1 - Ln. 4	42.2%	42.2%	42.8%
6	Cost of Equity (Real)	Input	9.5%	10.5%	12.9%
7	Cost of Debt	Input	4.6%	4.3%	4.1%
8	Weighted Cost of Capital	Lns. (6 * 4 + 7 * 5)	7.5%	7.9%	9.2%
9	Total Return on Rate Base	Input	10,768	11,222	11,395
10	Interest Expense	Input	(2,815)	(2,594)	(2,207)
11	Equity Return on Rate Base	Sum Lns. (9 - 10)	7,953	8,628	9,188

Schedule 6 (Income Tax Allowance)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected 2020	Actual 2020	Projected 2021
1	Equity Return on Rate Base	Sch. 5, Ln. 11	7,953	8,628	9,188
2	Amortization of AEDC	Input	420	420	1
3	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	7,314	7,125	486
4	Amortization of Over(Under) Funded ADIT	Sch. 7, Ln. 7	-	-	-
5	Total Taxable Return	Sum Lns. (1 - 4)	15,687	16,173	9,675
6	Net to Tax Multiplier	Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5)	37.6%	37.6%	37.6%
7	Tax Allowance	Ln. 4 + Lns. (5 * 6)	5,891	6,073	3,633

Schedule 7 (ADIT)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected 2020	Actual 2020	Projected 2021
1	MACRS Claim	Input	29,221	16,597	20,764
2	Depreciation	Sch. 2, Ln. 4,	31,016	30,883	5,876
3	AIDC Amortization	Input	4	4	5
4	Difference	Ln. 1 - Ln. 2	(1,799)	(14,290)	14,884
5	Income Tax Rate	Input	27.3%	27.3%	27.3%
6	Deferred Income Tax Expense	Ln. 4 * Ln. 5	(491)	(3,901)	4,063
7	Amortization of Over(Under) Funded ADIT	Input	-	-	-
8	Adjusted Deferred Income Tax Expense	Sum Lns. (6 - 7)	(491)	(3,901)	4,063
9	Previous ADIT	Input	(4,961)	(4,961)	(8,862)
10	Year End ADIT	Sum Lns. (8 - 9)	(5,452)	(8,862)	(4,799)
11	Average ADIT	Average Lns. 9 and 10	(5,207)	(6,912)	(6,831)

Schedule 8 (Adjustments to Revenue Requirement)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected 2020	Actual 2020	Projected 2021
1	Total Revenue Requirement	Sch. 2, Ln. 7	65,988	62,167	29,100
2	Index Revenue Credits	Input	(38,796)	(38,786)	(38,959)
3	\$30 mm Credit	Input	(635)	(635)	12
4	Line 1/13 Swap for Terrace	Input	5,104	4,950	4,950
5	350 Centistoke (Reference Temperature Increase)	Input	3,968	1,570	1,570
6	Total Revenue Requirement - Adjusted	Sum Lns. (1 - 5)	35,630	29,266	(3,327)

Notes

1. CPIS Additions represent average cumulative gross plant for a calendar year.

Schedule 1 (Inputs)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	CPIs Additions	Input, Note 1	370,503	370,503	370,503
	<u>Operating Expenses:</u>				
2	Operating Expenses (Property Taxes)	Input	-	-	-
3	Operating Expenses (Power)	Input	-	-	-
4	Operating Expenses (Other)	Input	-	-	-

Schedule 2 (Summary of Revenue Requirement)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Overall Return on Rate Base	Sch. 5, Ln. 9	19,093	20,185	22,066
2	Income Tax Allowance	Sch. 6, Ln. 7	5,810	6,303	7,266
3	Operating Expenses Excluding Depreciation	Sch. 1, Sum Lns. (2 - 4)	-	-	-
4	Depreciation of Assets	Input	15,141	15,141	15,141
5	Depreciation on AFUDC	Input	27	27	27
6	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	1,295	1,202	1,361
7	Total Revenue Requirement	Sum Lns. (1 - 6)	41,366	42,859	45,861

Schedule 3 (Average Rate Base)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	CPIs Additions	Input	370,503	370,503	370,503
2	Accumulated Depreciation	Input	(135,815)	(135,815)	(150,956)
3	Net AFUDC	Input	416	416	389
4	ADIT	Sch. 7, Ln. - (11)	1,852	1,852	(611)
5	Working Capital	Input	-	-	-
6	Average Rate Base	Sum Lns. (1 - 5)	236,957	236,957	219,326

Schedule 4 (Deferred Earnings)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Deferred Earnings-BOY	Previous Yr, Ln. 4	17,405	17,405	18,030
2	Annual Deferred Earnings	Input	3,316	1,826	2,388
3	Amortization of Deferred Earnings	Input	(1,295)	(1,202)	(1,361)
4	Deferred Earnings-End of Year	Sum Lns. (1 - 3)	19,426	18,030	19,056
5	Average Deferred Earnings	(Ln. 1 + Ln. 4) / 2	18,416	17,717	18,543

Schedule 5 (Return on Rate Base)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Equity Rate Base - Average	Sch.3, Ln. 6 * 55% + Sch. 4, Ln. 5	148,742	148,044	139,172
2	Debt Rate Base - Average	Sch.3, Ln. 6 * 45%	106,631	106,631	98,697
3	Total Rate Base - Average	Sum Lns. (1 - 2)	255,373	254,675	237,869
4	Adjusted Equity Ratio	Ln. 1 / Ln. 3	58.2%	58.1%	58.5%
5	Adjusted Debt Ratio	1 - Ln. 4	41.8%	41.9%	41.5%
6	Cost of Equity (Real)	Input	9.5%	10.5%	12.9%
7	Cost of Debt	Input	4.6%	4.3%	4.1%
8	Weighted Cost of Capital	Lns. (6 * 4 + 7 * 5)	7.5%	7.9%	9.3%
9	Total Return on Rate Base	Lns. 3 * 8	19,093	20,185	22,066
10	Interest Expense	Lns. - (2 * 7)	(4,932)	(4,617)	(4,093)
11	Equity Return on Rate Base	Sum Lns. (9 - 10)	14,161	15,569	17,973

Schedule 6 (Income Tax Allowance)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	<u>Projected 2020</u>	<u>Actual 2020</u>	<u>Projected 2021</u>
1	Equity Return on Rate Base	Sch. 5, Ln. 11	14,161	15,569	17,973
2	Amortization of AEDC	Input	15	15	15
3	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	1,295	1,202	1,361
4	Amortization of Over(Under) Funded ADIT	Sch. 7, Ln. 7	-	-	-
5	Total Taxable Return	Sum Lns. (1 - 4)	15,471	16,786	19,349
6	Net to Tax Multiplier	Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5)	37.6%	37.6%	37.6%
7	Tax Allowance	Ln. 4 + Lns. (5 * 6)	5,810	6,303	7,266

Schedule 7 (ADIT)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	<u>Projected 2020</u>	<u>Actual 2020</u>	<u>Projected 2021</u>
1	MACRS Claim	Input	25,451	25,451	22,901
2	Depreciation	Sch. 2, Ln. 4,	15,141	15,141	15,141
3	AIDC Amortization	Input	12	12	12
4	Difference	Ln. 1 - Sum Lns. (2 - 3)	10,298	10,298	7,748
5	Income Tax Rate	Input	27.3%	27.3%	27.3%
6	Deferred Income Tax Expense	Ln. 4 * Ln. 5	2,811	2,811	2,115
7	Amortization of Over(Under) Funded ADIT	Input	-	-	-
8	Adjusted Deferred Income Tax Expense	Sum Lns. (6 - 7)	2,811	2,811	2,115
9	Previous ADIT	Input	(3,258)	(3,258)	(446)
10	Year End ADIT	Sum Lns. (8 - 9)	(446)	(446)	1,669
11	Average ADIT	Average Lns. 9 and 10	(1,852)	(1,852)	611

Notes

1. CPIS Additions represent average cumulative gross plant for a calendar year.

Enbridge Energy, LP
Revenue Requirement Calculation for Agreed-Upon Future Integrity (Project 23)
Set Forth in FERC No. 43.39.0
Amounts in Thousands of U.S. Dollars

Schedule 1 (Inputs)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	CPIs Additions	Input, Note 1	352,535	352,535	352,535
	<u>Operating Expenses:</u>				
2	Operating Expenses (Property Taxes)	Input	7,376	6,800	7,195
3	Operating Expenses (Power)	Input	-	-	-
4	Operating Expenses (Other)	Input	-	-	-

Schedule 2 (Summary of Revenue Requirement)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Overall Return on Rate Base	Sch. 5, Ln. 9	23,214	24,496	27,317
2	Income Tax Allowance	Sch. 6, Ln. 7	6,558	7,168	8,468
3	Operating Expenses Excluding Depreciation	Sch. 1, Sum Lns. (2 - 4)	7,376	6,800	7,195
4	Depreciation of Assets	Input	11,316	11,316	11,316
5	Depreciation on AFUDC	Input	-	-	-
6	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	506	448	542
7	Total Revenue Requirement	Sum Lns. (1 - 6)	48,969	50,229	54,839

Schedule 3 (Average Rate Base)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	CPIs Additions	Input	352,535	352,535	352,535
2	Accumulated Depreciation	Input	(47,999)	(47,999)	(59,315)
3	Net AFUDC	Input	-	-	-
4	ADIT	Sch. 7, Ln. - (11)	(3,924)	(3,924)	(8,756)
5	Working Capital	Input	-	-	-
6	Average Rate Base	Sum Lns. (1 - 5)	300,612	300,612	284,464

Schedule 4 (Deferred Earnings)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Deferred Earnings-BOY	Previous Yr, Ln. 4	11,036	11,036	12,774
2	Annual Deferred Earnings	Input	3,970	2,186	2,924
3	Amortization of Deferred Earnings	Input	(506)	(448)	(542)
4	Deferred Earnings-End of Year	Sum Lns. (1 - 3)	14,501	12,774	15,156
5	Average Deferred Earnings	(Ln. 1 + Ln. 4) / 2	12,769	11,905	13,965

Schedule 5 (Return on Rate Base)

Line No.	Description	Source	Projected 2020	Actual 2020	Projected 2021
1	Equity Rate Base - Average	Sch.3, Ln. 6 * 55% + Sch. 4, Ln. 5	178,105	177,242	170,421
2	Debt Rate Base - Average	Sch.3, Ln. 6 * 45%	135,276	135,276	128,009
3	Total Rate Base - Average	Sum Lns. (1 - 2)	313,381	312,518	298,429
4	Adjusted Equity Ratio	Ln. 1 / Ln. 3	56.8%	56.7%	57.1%
5	Adjusted Debt Ratio	1 - Ln. 4	43.2%	43.3%	42.9%
6	Cost of Equity (Real)	Input	9.5%	10.5%	12.9%
7	Cost of Debt	Input	4.6%	4.3%	4.1%
8	Weighted Cost of Capital	Lns. (6 * 4 + 7 * 5)	7.4%	7.8%	9.2%
9	Total Return on Rate Base	Lns. 3 * 8	23,214	24,496	27,317
10	Interest Expense	Lns. - (2 * 7)	(6,256)	(5,857)	(5,309)
11	Equity Return on Rate Base	Sum Lns. (9 - 10)	16,957	18,640	22,008

Schedule 6 (Income Tax Allowance)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected <u>2020</u>	Actual <u>2020</u>	Projected <u>2021</u>
1	Equity Return on Rate Base	Sch. 5, Ln. 11	16,957	18,640	22,008
2	Amortization of AEDC	Input	-	-	-
3	Amortization of Deferred Earnings	Sch. 4, Ln. - (3)	506	448	542
4	Amortization of Over(Under) Funded ADIT	Sch. 7, Ln. 7	-	-	-
5	Total Taxable Return	Sum Lns. (1 - 4)	17,463	19,088	22,551
6	Net to Tax Multiplier	Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5)	37.6%	37.6%	37.6%
7	Tax Allowance	Ln. 4 + Lns. (5 * 6)	6,558	7,168	8,468

Schedule 7 (ADIT)

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	Projected <u>2020</u>	Actual <u>2020</u>	Projected <u>2021</u>
1	MACRS Claim	Input	30,544	30,544	27,489
2	Depreciation	Sch. 2, Ln. 4	11,316	11,316	11,316
3	AIDC Amortization	Input	-	-	-
4	Difference	Ln. 1 - Ln. 2	19,227	19,227	16,173
5	Income Tax Rate	Input	27.3%	27.3%	27.3%
6	Deferred Income Tax Expense	Ln. 4 * Ln. 5	5,249	5,249	4,415
7	Amortization of Over(Under) Funded ADIT	Input	-	-	-
8	Adjusted Deferred Income Tax Expense	Sum Lns. (6 - 7)	5,249	5,249	4,415
9	Previous ADIT	Input	1,299	1,299	6,548
10	Year End ADIT	Sum Lns. (8 - 9)	6,548	6,548	10,963
11	Average ADIT	Average Lns. 9 and 10	3,924	3,924	8,756

Notes

1. CPIS Additions represent average cumulative gross plant for a calendar year.