



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. 41.18.0 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, OR17-3-000, **[C]** and OR21-9-000 **[N]** and IS21-352.

[N] Issued pursuant to the Federal Energy Regulatory Commission letter order dated November 27, 2023 in Docket Nos. IS21-352-000, IS21-352-001 and DO21-15-000 (consolidated).

[N] Issued on less than one (1) days' notice under authority of 18 CFR 341.14. This tariff publication is conditionally accepted subject to refund pending a 30-day review period.

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

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

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

ISSUED: November 30, 2023

EFFECTIVE: December 1, 2023

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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) | 5.9554 |
| | Rapid River, Michigan | (c), (g), (i) | 9.8138 |
| | International Boundary near Marysville, Michigan | (g), (i) | 15.2269 |

[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) | 3.2811 |
| | Superior, Wisconsin | (c), (d), (i) | 6.7314 |
| | Lockport, Illinois | (c), (i) | 14.4701 |
| | Mokena, Illinois | (c), (i) | 14.4701 |
| | Flanagan, Illinois | (c), (e), (i) | 14.4701 |
| | Griffith, Indiana | (c), (e), (i) | 14.4701 |
| | Stockbridge, Michigan | (c), (i) | 17.3933 |
| | Marysville, Michigan | (c), (i) | 17.3933 |
| | International Boundary near Marysville, Michigan | (i) | 16.9940 |
| Clearbrook, Minnesota (a),(b) | Clearbrook, Minnesota | (c) | [D] 0.8925 |
| | Superior, Wisconsin | (c), (d), (i) | 5.2531 |
| | Lockport, Illinois | (c), (i) | 12.9899 |
| | Mokena, Illinois | (c), (i) | 12.9899 |
| | Flanagan, Illinois | (c), (e), (i) | 12.9899 |
| | Griffith, Indiana | (c),(e), (i) | 12.9899 |
| | Stockbridge, Michigan | (c), (i) | 15.9100 |
| | Marysville, Michigan | (c), (i) | 15.9100 |
| | International Boundary near Marysville, Michigan | (i) | 15.5137 |
| Mokena, Illinois (b) | Griffith, Indiana | (c), (e), (i) | [D] 2.0418 |
| | Stockbridge, Michigan | (c), (i) | 4.7415 |
| | Marysville, Michigan | (c), (i) | 6.3974 |
| | International Boundary near Marysville, Michigan | (i) | 6.0513 |
| Griffith, Indiana (b),(h) | Griffith, Indiana | (c), (e) | [D] 1.5686 |
| | Stockbridge, Michigan | (c), (i) | 4.7415 |
| | Marysville, Michigan | (c), (i) | 6.3974 |
| | International Boundary near Marysville, Michigan | (i) | 6.0513 |
| Stockbridge, Michigan (b) | Marysville, Michigan | (c), (i) | [D] 3.2381 |
| | International Boundary near Marysville, Michigan | (i) | [D] 2.8889 |
| Lewiston, Michigan (b),(f) | Marysville, Michigan | (c), (i) | [D] 4.6356 |
| | International Boundary near Marysville, Michigan | (i) | 4.2708 |

[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) | 3.4648 |
| | Superior, Wisconsin | (c), (d), (i) | 7.1752 |
| | Lockport, Illinois | (c), (i) | 15.5487 |
| | Mokena, Illinois | (c), (i) | 15.5487 |
| | Flanagan, Illinois | (c), (e), (i) | 15.5487 |
| | Griffith, Indiana | (c), (e), (i) | 15.5487 |
| | Stockbridge, Michigan | (c), (i) | 18.7055 |
| | Marysville, Michigan | (c), (i) | 18.7055 |
| | International Boundary near Marysville, Michigan | (i) | 18.3087 |
| Clearbrook, Minnesota (a),(b) | Clearbrook, Minnesota | (c) | [D] 0.8925 |
| | Superior, Wisconsin | (c), (d), (i) | 5.5103 |
| | Lockport, Illinois | (c), (i) | 13.8841 |
| | Mokena, Illinois | (c), (i) | 13.8841 |
| | Flanagan, Illinois | (c), (e), (i) | 13.8841 |
| | Griffith, Indiana | (c),(e), (i) | 13.8841 |
| | Stockbridge, Michigan | (c), (i) | 17.0389 |
| | Marysville, Michigan | (c), (i) | 17.0389 |
| | International Boundary near Marysville, Michigan | (i) | 16.6416 |
| Mokena, Illinois (b) | Griffith, Indiana | (c), (e), (i) | [D] 2.0785 |
| | Stockbridge, Michigan | (c), (i) | 4.9941 |
| | Marysville, Michigan | (c), (i) | 6.7830 |
| | International Boundary near Marysville, Michigan | (i) | 6.4388 |
| Griffith, Indiana (b),(h) | Griffith, Indiana | (c), (e) | [D] 1.5686 |
| | Stockbridge, Michigan | (c), (i) | 4.9941 |
| | Marysville, Michigan | (c), (i) | 6.7830 |
| | International Boundary near Marysville, Michigan | (i) | 6.4388 |
| Stockbridge, Michigan (b) | Marysville, Michigan | (c), (i) | 3.3701 |
| | International Boundary near Marysville, Michigan | (i) | 3.0283 |
| Lewiston, Michigan (b),(f) | Marysville, Michigan | (c), (i) | 4.8814 |
| | International Boundary near Marysville, Michigan | (i) | 4.5164 |

[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) | 3.7890 |
| | Superior, Wisconsin | (c), (d), (i) | 7.9496 |
| | Lockport, Illinois | (c), (i) | 17.4412 |
| | Mokena, Illinois | (c), (i) | 17.4412 |
| | Flanagan, Illinois | (c), (e), (i) | 17.4412 |
| | Griffith, Indiana | (c), (e), (i) | 17.4412 |
| | Stockbridge, Michigan | (c), (i) | 21.0093 |
| | Marysville, Michigan | (c), (i) | 21.0093 |
| | International Boundary near Marysville, Michigan | (i) | 20.6069 |
| Clearbrook, Minnesota (a),(b) | Clearbrook, Minnesota | (c) | [D] 0.8925 |
| | Superior, Wisconsin | (c), (d), (i) | 5.9656 |
| | Lockport, Illinois | (c), (i) | 15.4533 |
| | Mokena, Illinois | (c), (i) | 15.4533 |
| | Flanagan, Illinois | (c), (e), (i) | 15.4533 |
| | Griffith, Indiana | (c),(e), (i) | 15.4533 |
| | Stockbridge, Michigan | (c), (i) | 19.0180 |
| | Marysville, Michigan | (c), (i) | 19.0180 |
| | International Boundary near Marysville, Michigan | (i) | 18.6186 |
| Mokena, Illinois (b) | Griffith, Indiana | (c), (e), (i) | [D] 2.1428 |
| | Stockbridge, Michigan | (c), (i) | 5.4375 |
| | Marysville, Michigan | (c), (i) | 7.4586 |
| | International Boundary near Marysville, Michigan | (i) | 7.1258 |
| Griffith, Indiana (b),(h) | Griffith, Indiana | (c), (e) | [D] 1.5686 |
| | Stockbridge, Michigan | (c), (i) | 5.4375 |
| | Marysville, Michigan | (c), (i) | 7.4586 |
| | International Boundary near Marysville, Michigan | (i) | 7.1258 |
| Stockbridge, Michigan (b) | Marysville, Michigan | (c), (i) | 3.6038 |
| | International Boundary near Marysville, Michigan | (i) | 3.2646 |
| Lewiston, Michigan (b),(f) | Marysville, Michigan | (c), (i) | 5.3099 |
| | International Boundary near Marysville, Michigan | (i) | 4.9491 |

[U] All rates on this page are unchanged unless otherwise noted

- (a) **Receipt Tankage** - The transportation rates from this receiving point include a receipt tankage charge of \$0.2190 per cubic meter.
- (b) **Receipt Terminalling** - The transportation rates from this receiving point include a receipt terminalling charge of \$0.6040 per cubic meter.
- (c) **Delivery Terminalling** - The transportation rates to this delivery point include a delivery terminalling charge of \$0.3971 per cubic meter.
- (d) **Delivery Tankage** - The transportation rates to this delivery point include a delivery tankage charge of \$0.2190 per cubic meter.
- (e) In addition to the transportation rate shown, a delivery tankage charge of \$0.2190 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 4.7961 cents per hundred cubic meter miles for light crude petroleum, 5.1787 cents per hundred cubic meter miles for medium crude petroleum, and 5.7540 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 1.3025 cents per hundred cubic meter miles for natural gas liquids.
- (h) In addition to the transportation rate shown, a receipt tankage charge of \$0.2190 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.

Symbols:

- [C] – Cancel
- [D] – Decrease
- [I] – Increase
- [N] – New
- [U] – Unchanged rate



ENBRIDGE ENERGY, LIMITED PARTNERSHIP

APPENDIX A

**WORKSHEET SUPPORTING BASE
TRANSPORTATION RATES**

Enbridge Energy, LP
Worksheet Supporting Indexed Portion of Rates Set Forth
In FERC No. 43.48.0 (Does Not Include Incremental Facilities Surcharges)

| From | To | Transportation Rates in Dollars per Cubic Meter | | | |
|---|--|---|------------------|-------------------|------------------------------------|
| | | Previous FERC No. 43.47.0 Base Rate | 7/1/2023 Ceiling | 12/1/2023 Ceiling | FERC No. 43.48.0 Indexed Base Rate |
| Transportation Rates for NGL | | | | | |
| International Boundary near Neche, North Dakota | Superior, Wisconsin | 4.1293 | 4.9439 | 3.5895 | 3.5895 |
| | Rapid River, Michigan | 6.1474 | 7.4808 | 5.5566 | 5.5566 |
| | International Boundary near Marysville, Michigan | 9.0153 | 11.1060 | 8.2094 | 8.2094 |
| Transportation Rates for Light Crude Petroleum | | | | | |
| International Boundary near Neche, North Dakota | Clearbrook, Minnesota | 2.4073 | 2.8734 | 2.1858 | 2.1858 |
| | Superior, Wisconsin | 4.4402 | 5.3269 | 4.1026 | 4.1026 |
| | Lockport, Illinois | 8.6935 | 10.6173 | 8.0603 | 8.0603 |
| | Mokena, Illinois | 8.6935 | 10.6173 | 8.0603 | 8.0603 |
| | Flanagan, Illinois | 8.6935 | 10.6173 | 8.0603 | 8.0603 |
| | Griffith, Indiana | 8.6935 | 10.6173 | 8.0603 | 8.0603 |
| | Stockbridge, Michigan | 10.3347 | 12.6392 | 9.5961 | 9.5961 |
| | Marysville, Michigan | 10.3347 | 12.6392 | 9.5961 | 9.5961 |
| Clearbrook, Minnesota | International Boundary near Marysville, Michigan | 9.9376 | 12.2421 | 9.1968 | 9.1968 |
| | Clearbrook, Minnesota | 1.9347 | 2.1001 | 0.8925 | 0.8925 |
| | Superior, Wisconsin | 3.9676 | 4.5537 | 3.7196 | 3.7196 |
| | Lockport, Illinois | 8.2209 | 9.8443 | 7.6755 | 7.6755 |
| | Mokena, Illinois | 8.2209 | 9.8443 | 7.6755 | 7.6755 |
| | Flanagan, Illinois | 8.2209 | 9.8443 | 7.6755 | 7.6755 |
| | Griffith, Indiana | 8.2209 | 9.8443 | 7.6755 | 7.6755 |
| | Stockbridge, Michigan | 9.8621 | 11.8660 | 9.2081 | 9.2081 |
| Mokena, Illinois | Marysville, Michigan | 9.8621 | 11.8660 | 9.2081 | 9.2081 |
| | International Boundary near Marysville, Michigan | 9.4650 | 11.4691 | 8.8118 | 8.8118 |
| | Griffith, Indiana | 1.9747 | 2.2004 | 1.8227 | 1.8227 |
| | Stockbridge, Michigan | 3.4911 | 4.0685 | 3.2405 | 3.2405 |
| Griffith, Indiana | Marysville, Michigan | 4.4221 | 5.2153 | 4.1094 | 4.1094 |
| | International Boundary near Marysville, Michigan | 4.0538 | 4.8538 | 3.7389 | 3.7389 |
| | Griffith, Indiana | 1.7156 | 1.8812 | 1.5686 | 1.5686 |
| | Stockbridge, Michigan | 3.4911 | 4.0685 | 3.2405 | 3.2405 |
| Griffith, Indiana | Marysville, Michigan | 4.4221 | 5.2153 | 4.1094 | 4.1094 |
| | International Boundary near Marysville, Michigan | 4.0538 | 4.8538 | 3.7389 | 3.7389 |

Enbridge Energy, LP
Worksheet Supporting Indexed Portion of Rates Set Forth
In FERC No. 43.48.0 (Does Not Include Incremental Facilities Surcharges)

| From | To | Transportation Rates in Dollars per Cubic Meter | | | |
|---|--|---|------------------|-------------------|------------------------------------|
| | | Previous FERC No. 43.47.0 Base Rate | 7/1/2022 Ceiling | 12/1/2023 Ceiling | FERC No. 43.48.0 Indexed Base Rate |
| Transportation Rates for Light Crude Petroleum - Continued | | | | | |
| Stockbridge, Michigan | Marysville, Michigan | 2.6466 | 3.0280 | 2.4511 | 2.4511 |
| | International Boundary near Marysville, Michigan | 2.2783 | 2.6665 | 2.0775 | 2.0775 |
| Lewiston, Michigan | Marysville, Michigan | 3.4911 | 4.0685 | 3.1346 | 3.1346 |
| | International Boundary near Marysville, Michigan | 3.1037 | 3.6832 | 2.7617 | 2.7617 |
| Transportation Rates for Medium Crude Petroleum | | | | | |
| International Boundary near Neche, North Dakota | Clearbrook, Minnesota | 2.5109 | 3.0010 | 2.2818 | 2.2818 |
| | Superior, Wisconsin | 4.6890 | 5.6333 | 4.3361 | 4.3361 |
| | Lockport, Illinois | 9.3001 | 11.3647 | 8.6261 | 8.6261 |
| | Mokena, Illinois | 9.3001 | 11.3647 | 8.6261 | 8.6261 |
| | Flanagan, Illinois | 9.3001 | 11.3647 | 8.6261 | 8.6261 |
| | Griffith, Indiana | 9.3001 | 11.3647 | 8.6261 | 8.6261 |
| | Stockbridge, Michigan | 11.0725 | 13.5481 | 10.2845 | 10.2845 |
| | Marysville, Michigan | 11.0725 | 13.5481 | 10.2845 | 10.2845 |
| Clearbrook, Minnesota | International Boundary near Marysville, Michigan | 10.6754 | 13.1511 | 9.8877 | 9.8877 |
| | Clearbrook, Minnesota | 1.9347 | 2.1001 | 0.8925 | 0.8925 |
| | Superior, Wisconsin | 4.1127 | 4.7324 | 3.8541 | 3.8541 |
| | Lockport, Illinois | 8.7238 | 10.4638 | 8.1445 | 8.1445 |
| | Mokena, Illinois | 8.7238 | 10.4638 | 8.1445 | 8.1445 |
| | Flanagan, Illinois | 8.7238 | 10.4638 | 8.1445 | 8.1445 |
| | Griffith, Indiana | 8.7238 | 10.4638 | 8.1445 | 8.1445 |
| | Stockbridge, Michigan | 10.4963 | 12.6472 | 9.8009 | 9.8009 |
| Marysville, Michigan | 10.4963 | 12.6472 | 9.8009 | 9.8009 | |
| International Boundary near Marysville, Michigan | 10.0992 | 12.2503 | 9.4036 | 9.4036 | |

Enbridge Energy, LP
Worksheet Supporting Indexed Portion of Rates Set Forth
In FERC No. 43.48.0 (Does Not Include Incremental Facilities Surcharges)

| From | To | Transportation Rates in Dollars per Cubic Meter | | | |
|--|--|---|------------------|-------------------|------------------------------------|
| | | Previous FERC No. 43.47.0 Base Rate | 7/1/2022 Ceiling | 12/1/2023 Ceiling | FERC No. 43.48.0 Indexed Base Rate |
| Transportation Rates for Medium Crude Petroleum - Continued | | | | | |
| Mokena, Illinois | Griffith, Indiana | 1.9955 | 2.2259 | 1.8419 | 1.8419 |
| | Stockbridge, Michigan | 3.6332 | 4.2434 | 3.3730 | 3.3730 |
| | Marysville, Michigan | 4.6386 | 5.4821 | 4.3119 | 4.3119 |
| | International Boundary near Marysville, Michigan | 4.2726 | 5.1234 | 3.9414 | 3.9414 |
| Griffith, Indiana | Griffith, Indiana | 1.7156 | 1.8812 | 1.5686 | 1.5686 |
| | Stockbridge, Michigan | 3.6332 | 4.2434 | 3.3730 | 3.3730 |
| | Marysville, Michigan | 4.6386 | 5.4821 | 4.3119 | 4.3119 |
| | International Boundary near Marysville, Michigan | 4.2726 | 5.1234 | 3.9414 | 3.9414 |
| Stockbridge, Michigan | Marysville, Michigan | 2.7210 | 3.1198 | 2.5201 | 2.5201 |
| | International Boundary near Marysville, Michigan | 2.3551 | 2.7610 | 2.1520 | 2.1520 |
| Lewiston, Michigan | Marysville, Michigan | 3.6332 | 4.2434 | 3.2603 | 3.2603 |
| | International Boundary near Marysville, Michigan | 3.2465 | 3.8592 | 2.8865 | 2.8865 |
| Transportation Rates for Heavy Crude Petroleum | | | | | |
| International Boundary near Neche, North Dakota | Clearbrook, Minnesota | 2.6923 | 3.2245 | 2.4527 | 2.4527 |
| | Superior, Wisconsin | 5.1243 | 6.1696 | 4.7424 | 4.7424 |
| | Lockport, Illinois | 10.3615 | 12.6722 | 9.6213 | 9.6213 |
| | Mokena, Illinois | 10.3615 | 12.6722 | 9.6213 | 9.6213 |
| | Flanagan, Illinois | 10.3615 | 12.6722 | 9.6213 | 9.6213 |
| | Griffith, Indiana | 10.3615 | 12.6722 | 9.6213 | 9.6213 |
| | Stockbridge, Michigan | 12.3637 | 15.1387 | 11.4967 | 11.4967 |
| | Marysville, Michigan | 12.3637 | 15.1387 | 11.4967 | 11.4967 |
| International Boundary near Marysville, Michigan | 11.9667 | 14.7418 | 11.0943 | 11.0943 | |

Enbridge Energy, LP
Worksheet Supporting Indexed Portion of Rates Set Forth
In FERC No. 43.48.0 (Does Not Include Incremental Facilities Surcharges)

| From | To | Transportation Rates in Dollars per Cubic Meter | | | |
|---|--|---|------------------|-------------------|------------------------------------|
| | | Previous FERC No. 43.47.0 Base Rate | 7/1/2022 Ceiling | 12/1/2023 Ceiling | FERC No. 43.48.0 Indexed Base Rate |
| Transportation Rates for Heavy Crude Petroleum - Continued | | | | | |
| Clearbrook, Minnesota | Clearbrook, Minnesota | 1.9347 | 2.1001 | 0.8925 | 0.8925 |
| | Superior, Wisconsin | 4.3667 | 5.0454 | 4.0948 | 4.0948 |
| | Lockport, Illinois | 9.6039 | 11.5479 | 8.9697 | 8.9697 |
| | Mokena, Illinois | 9.6039 | 11.5479 | 8.9697 | 8.9697 |
| | Flanagan, Illinois | 9.6039 | 11.5479 | 8.9697 | 8.9697 |
| | Griffith, Indiana | 9.6039 | 11.5479 | 8.9697 | 8.9697 |
| | Stockbridge, Michigan | 11.6061 | 14.0144 | 10.8417 | 10.8417 |
| | Marysville, Michigan | 11.6061 | 14.0144 | 10.8417 | 10.8417 |
| Mokena, Illinois | International Boundary near Marysville, Michigan | 11.2090 | 13.6175 | 10.4423 | 10.4423 |
| | Griffith, Indiana | 2.0318 | 2.2707 | 1.8755 | 1.8755 |
| | Stockbridge, Michigan | 3.8817 | 4.5497 | 3.6062 | 3.6062 |
| | Marysville, Michigan | 5.0175 | 5.9488 | 4.6672 | 4.6672 |
| Griffith, Indiana | International Boundary near Marysville, Michigan | 4.6555 | 5.5950 | 4.3047 | 4.3047 |
| | Griffith, Indiana | 1.7156 | 1.8812 | 1.5686 | 1.5686 |
| | Stockbridge, Michigan | 3.8817 | 4.5497 | 3.6062 | 3.6062 |
| | Marysville, Michigan | 5.0175 | 5.9488 | 4.6672 | 4.6672 |
| Stockbridge, Michigan | International Boundary near Marysville, Michigan | 4.6555 | 5.5950 | 4.3047 | 4.3047 |
| | Marysville, Michigan | 2.8514 | 3.2803 | 2.6436 | 2.6436 |
| Lewiston, Michigan | International Boundary near Marysville, Michigan | 2.4894 | 2.9266 | 2.2747 | 2.2747 |
| | Marysville, Michigan | 3.8817 | 4.5497 | 3.4786 | 3.4786 |
| Lewiston, Michigan | International Boundary near Marysville, Michigan | 3.4964 | 4.1672 | 3.1080 | 3.1080 |
| | Marysville, Michigan | | | | |



ENBRIDGE ENERGY, LIMITED PARTNERSHIP

APPENDIX B

**WORKSHEET SUPPORTING TANKAGE
AND TERMINALLING RATES**

Enbridge Energy, LP
Worksheet Supporting Tankage and Terminalling
Rates Set Forth in FERC No. 43.48.0

| | Previous FERC No. 43.47.0 Base Rate | 7/1/2023 Ceiling | 12/1/2023 Ceiling | FERC No. 43.48.0 Indexed Base Rate |
|--|--|---------------------|----------------------|--|
| (a) The transportation rates from this receiving point include a receipt tankage charge as noted per cubic meter. | 0.2190 | 0.2190 | 0.2190 | 0.2190 |
| (b) The transportation rates from this receiving point include a receipt terminalling charge as noted per cubic meter. | 0.6040 | 0.6040 | 0.6040 | 0.6040 |
| (c) The transportation rates to this delivery point include a delivery terminalling charge as noted per cubic meter. | 0.3971 | 0.3971 | 0.3971 | 0.3971 |
| (d) The transportation rates from this receiving point include a delivery tankage charge as noted per cubic meter. | 0.2190 | 0.2190 | 0.2190 | 0.2190 |
| (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. | 0.2190 | 0.2190 | 0.2190 | 0.2190 |
| (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. | 4.7961 | 4.7961 | 4.7961 | 4.7961 |
| (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. | 5.1787 | 5.1787 | 5.1787 | 5.1787 |
| (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. | 5.7540 | 5.7540 | 5.7540 | 5.7540 |
| (g) The transportation rates to this delivery point include a break-out tankage credit as noted per hundred cubic meter miles | 1.3025 | 1.3025 | 1.3025 | 1.3025 |
| (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. | 0.2190 | 0.2190 | 0.2190 | 0.2190 |



ENBRIDGE ENERGY, LIMITED PARTNERSHIP

APPENDIX C

WORKSHEET SUPPORTING RATES

**Enbridge Energy, LP
Worksheet Supporting Rates Set Forth
In FERC No. 43.48.0**

| From | To | Transportation Rates in Dollars per Cubic Meter | | | |
|---|---|---|-----------|----------------------|---------------------|
| | | FERC No. 43.47.0 | Base Rate | Facilities Surcharge | FERC No. 43.48.0 |
| Transportation Rates for NGL | | | | | |
| International Boundary near Neche, North Dakota | Superior, Wisconsin | 5.9344 | 3.5895 | 2.3659 | 5.9554 |
| | Rapid River, Michigan | 9.3955 | 5.5566 | 4.2572 | 9.8138 |
| | International Boundary near Marysville, Michigan | 14.3693 | 8.2094 | 7.0175 | 15.2269 |
| Transportation Rates for Light Crude Petroleum | | | | | |
| International Boundary near Neche, North Dakota | Clearbrook, Minnesota | 3.2430 | 2.1858 | 1.0953 | 3.2811 |
| | Superior, Wisconsin | 6.4459 | 4.1026 | 2.6288 | 6.7314 |
| | Lockport, Illinois | 13.5839 | 8.0603 | 6.4098 | 14.4701 |
| | Mokena, Illinois | 13.5839 | 8.0603 | 6.4098 | 14.4701 |
| | Flanagan, Illinois | 13.5839 | 8.0603 | 6.4098 | 14.4701 |
| | Griffith, Indiana | 13.5839 | 8.0603 | 6.4098 | 14.4701 |
| | Stockbridge, Michigan | 16.2836 | 9.5961 | 7.7972 | 17.3933 |
| | Marysville, Michigan | 16.2836 | 9.5961 | 7.7972 | 17.3933 |
| Clearbrook, Minnesota | International Boundary near Marysville, Michigan | 15.8865 | 9.1968 | 7.7972 | 16.9940 |
| | Clearbrook, Minnesota | 1.9347 | 0.8925 | 0.0000 | 0.8925 |
| | Superior, Wisconsin | 5.1376 | 3.7196 | 1.5335 | 5.2531 |
| | Lockport, Illinois | 12.2756 | 7.6755 | 5.3144 | 12.9899 |
| | Mokena, Illinois | 12.2756 | 7.6755 | 5.3144 | 12.9899 |
| | Flanagan, Illinois | 12.2756 | 7.6755 | 5.3144 | 12.9899 |
| | Griffith, Indiana | 12.2756 | 7.6755 | 5.3144 | 12.9899 |
| | Stockbridge, Michigan | 14.9753 | 9.2081 | 6.7019 | 15.9100 |
| Mokena, Illinois | Marysville, Michigan | 14.9753 | 9.2081 | 6.7019 | 15.9100 |
| | International Boundary near Marysville, Michigan | 14.5782 | 8.8118 | 6.7019 | 15.5137 |
| | Griffith, Indiana | 2.1418 | 1.8227 | 0.2191 | 2.0418 |
| | Stockbridge, Michigan | 4.6363 | 3.2405 | 1.5010 | 4.7415 |
| Griffith, Indiana | Marysville, Michigan | 6.1678 | 4.1094 | 2.2880 | 6.3974 |
| | International Boundary near Marysville, Michigan | 5.8180 | 3.7389 | 2.3124 | 6.0513 |
| | Griffith, Indiana | 1.7156 | 1.5686 | 0.0000 | 1.5686 |
| | Stockbridge, Michigan | 4.6363 | 3.2405 | 1.5010 | 4.7415 |
| International Boundary near Marysville, Michigan | Marysville, Michigan | 6.1678 | 4.1094 | 2.2880 | 6.3974 |
| | International Boundary near Marysville, Michigan | 5.8180 | 3.7389 | 2.3124 | 6.0513 |

**Enbridge Energy, LP
Worksheet Supporting Rates Set Forth
In FERC No. 43.48.0**

| From | To | Transportation Rates in Dollars per Cubic Meter | | | |
|---|--|---|-----------|----------------------|---------------------|
| | | FERC No. 43.47.0 | Base Rate | Facilities Surcharge | FERC No. 43.48.0 |
| Transportation Rates for Light Crude Petroleum - Continued | | | | | |
| Stockbridge, Michigan | Marysville, Michigan | 3.2471 | 2.4511 | 0.7870 | 3.2381 |
| | International Boundary near Marysville, Michigan | 2.8973 | 2.0775 | 0.8114 | 2.8889 |
| Lewiston, Michigan | Marysville, Michigan | 4.6363 | 3.1346 | 1.5010 | 4.6356 |
| | International Boundary near Marysville, Michigan | 4.2551 | 2.7617 | 1.5091 | 4.2708 |
| Transportation Rates for Medium Crude Petroleum | | | | | |
| International Boundary near Neche, North Dakota | Clearbrook, Minnesota | 3.4135 | 2.2818 | 1.1830 | 3.4648 |
| | Superior, Wisconsin | 6.8551 | 4.3361 | 2.8391 | 7.1752 |
| | Lockport, Illinois | 14.5817 | 8.6261 | 6.9226 | 15.5487 |
| | Mokena, Illinois | 14.5817 | 8.6261 | 6.9226 | 15.5487 |
| | Flanagan, Illinois | 14.5817 | 8.6261 | 6.9226 | 15.5487 |
| | Griffith, Indiana | 14.5817 | 8.6261 | 6.9226 | 15.5487 |
| | Stockbridge, Michigan | 17.4973 | 10.2845 | 8.4210 | 18.7055 |
| | Marysville, Michigan | 17.4973 | 10.2845 | 8.4210 | 18.7055 |
| Clearbrook, Minnesota | International Boundary near Marysville, Michigan | 17.1002 | 9.8877 | 8.4210 | 18.3087 |
| | Clearbrook, Minnesota | 1.9347 | 0.8925 | 0.0000 | 0.8925 |
| | Superior, Wisconsin | 5.3763 | 3.8541 | 1.6562 | 5.5103 |
| | Lockport, Illinois | 13.1028 | 8.1445 | 5.7396 | 13.8841 |
| | Mokena, Illinois | 13.1028 | 8.1445 | 5.7396 | 13.8841 |
| | Flanagan, Illinois | 13.1028 | 8.1445 | 5.7396 | 13.8841 |
| | Griffith, Indiana | 13.1028 | 8.1445 | 5.7396 | 13.8841 |
| | Stockbridge, Michigan | 16.0186 | 9.8009 | 7.2380 | 17.0389 |
| | Marysville, Michigan | 16.0186 | 9.8009 | 7.2380 | 17.0389 |
| | International Boundary near Marysville, Michigan | 15.6215 | 9.4036 | 7.2380 | 16.6416 |

**Enbridge Energy, LP
Worksheet Supporting Rates Set Forth
In FERC No. 43.48.0**

| From | To | Transportation Rates in Dollars per Cubic Meter | | | |
|--|--|---|-----------|----------------------|---------------------|
| | | FERC No. 43.47.0 | Base Rate | Facilities Surcharge | FERC No. 43.48.0 |
| Transportation Rates for Medium Crude Petroleum - Continued | | | | | |
| Mokena, Illinois | Griffith, Indiana | 2.1760 | 1.8419 | 0.2366 | 2.0785 |
| | Stockbridge, Michigan | 4.8700 | 3.3730 | 1.6211 | 4.9941 |
| | Marysville, Michigan | 6.5239 | 4.3119 | 2.4711 | 6.7830 |
| | International Boundary near Marysville, Michigan | 6.1780 | 3.9414 | 2.4974 | 6.4388 |
| Griffith, Indiana | Griffith, Indiana | 1.7156 | 1.5686 | 0.0000 | 1.5686 |
| | Stockbridge, Michigan | 4.8700 | 3.3730 | 1.6211 | 4.9941 |
| | Marysville, Michigan | 6.5239 | 4.3119 | 2.4711 | 6.7830 |
| | International Boundary near Marysville, Michigan | 6.1780 | 3.9414 | 2.4974 | 6.4388 |
| Stockbridge, Michigan | Marysville, Michigan | 3.3695 | 2.5201 | 0.8500 | 3.3701 |
| | International Boundary near Marysville, Michigan | 3.0237 | 2.1520 | 0.8763 | 3.0283 |
| Lewiston, Michigan | Marysville, Michigan | 4.8700 | 3.2603 | 1.6211 | 4.8814 |
| | International Boundary near Marysville, Michigan | 4.4900 | 2.8865 | 1.6299 | 4.5164 |
| Transportation Rates for Heavy Crude Petroleum | | | | | |
| International Boundary near Neche, North Dakota | Clearbrook, Minnesota | 3.7118 | 2.4527 | 1.3363 | 3.7890 |
| | Superior, Wisconsin | 7.5712 | 4.7424 | 3.2072 | 7.9496 |
| | Lockport, Illinois | 16.3277 | 9.6213 | 7.8199 | 17.4412 |
| | Mokena, Illinois | 16.3277 | 9.6213 | 7.8199 | 17.4412 |
| | Flanagan, Illinois | 16.3277 | 9.6213 | 7.8199 | 17.4412 |
| | Griffith, Indiana | 16.3277 | 9.6213 | 7.8199 | 17.4412 |
| | Stockbridge, Michigan | 19.6214 | 11.4967 | 9.5126 | 21.0093 |
| | Marysville, Michigan | 19.6214 | 11.4967 | 9.5126 | 21.0093 |
| | International Boundary near Marysville, Michigan | 19.2244 | 11.0943 | 9.5126 | 20.6069 |

**Enbridge Energy, LP
Worksheet Supporting Rates Set Forth
In FERC No. 43.48.0**

| From | To | Transportation Rates in Dollars per Cubic Meter | | | |
|---|--|---|-----------|----------------------|---------------------|
| | | FERC No. 43.47.0 | Base Rate | Facilities Surcharge | FERC No. 43.48.0 |
| Transportation Rates for Heavy Crude Petroleum - Continued | | | | | |
| Clearbrook, Minnesota | Clearbrook, Minnesota | 1.9347 | 0.8925 | 0.0000 | 0.8925 |
| | Superior, Wisconsin | 5.7941 | 4.0948 | 1.8708 | 5.9656 |
| | Lockport, Illinois | 14.5506 | 8.9697 | 6.4836 | 15.4533 |
| | Mokena, Illinois | 14.5506 | 8.9697 | 6.4836 | 15.4533 |
| | Flanagan, Illinois | 14.5506 | 8.9697 | 6.4836 | 15.4533 |
| | Griffith, Indiana | 14.5506 | 8.9697 | 6.4836 | 15.4533 |
| | Stockbridge, Michigan | 17.8442 | 10.8417 | 8.1763 | 19.0180 |
| | Marysville, Michigan | 17.8442 | 10.8417 | 8.1763 | 19.0180 |
| Mokena, Illinois | International Boundary near Marysville, Michigan | 17.4471 | 10.4423 | 8.1763 | 18.6186 |
| | Griffith, Indiana | 2.2357 | 1.8755 | 0.2673 | 2.1428 |
| | Stockbridge, Michigan | 5.2789 | 3.6062 | 1.8313 | 5.4375 |
| | Marysville, Michigan | 7.1472 | 4.6672 | 2.7914 | 7.4586 |
| Griffith, Indiana | International Boundary near Marysville, Michigan | 6.8079 | 4.3047 | 2.8211 | 7.1258 |
| | Griffith, Indiana | 1.7156 | 1.5686 | 0.0000 | 1.5686 |
| | Stockbridge, Michigan | 5.2789 | 3.6062 | 1.8313 | 5.4375 |
| | Marysville, Michigan | 7.1472 | 4.6672 | 2.7914 | 7.4586 |
| Stockbridge, Michigan | International Boundary near Marysville, Michigan | 6.8079 | 4.3047 | 2.8211 | 7.1258 |
| | Marysville, Michigan | 3.5840 | 2.6436 | 0.9602 | 3.6038 |
| Lewiston, Michigan | International Boundary near Marysville, Michigan | 3.2446 | 2.2747 | 0.9899 | 3.2646 |
| | Marysville, Michigan | 5.2789 | 3.4786 | 1.8313 | 5.3099 |
| | International Boundary near Marysville, Michigan | 4.9011 | 3.1080 | 1.8411 | 4.9491 |



ENBRIDGE ENERGY, LIMITED PARTNERSHIP

APPENDIX D

**REVENUE REQUIREMENT CALCULATION
FOR FACILITIES SURCHARGE**

Enbridge Energy, LP
Revenue Requirement, Adjustments, and Unit Transmission Rate
Set Forth in FERC No. 43.48.0
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>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|---|---|-----------------------|--------------------------|-----------------------|--------------------------|
| FS Projects: 1, 3, 4, 6-8, 13-17 | | | | | |
| 1 | Return on Rate Base | Input | 36,648 | 37,306 | 41,078 |
| 2 | Income Taxes | Input | 12,085 | 12,000 | 12,816 |
| 3 | Amortization of Deferred Earnings | Input | 2,645 | 2,646 | 1,584 |
| 4 | Depreciation | Input | 22,104 | 22,108 | 16,890 |
| 5 | Amortization of Allowance of Funds Used During Construction (AFUDC) | Input | 526 | 526 | 407 |
| 6 | Operating Costs | Input | 7,466 | 6,982 | 8,541 |
| 7 | Subtotal | Sum Lns. (1 - 6) | <u>81,474</u> | <u>81,568</u> | <u>81,317</u> |
| FS Projects: 5, 12, 18-24, 27-29 | | | | | |
| 8 | Southern Access Mainline Expansion (Project 5) | Pg. 3, Sch. 8, Ln. 4 | 155,674 | 161,876 | 124,688 |
| 9 | Alberta Clipper (Project 12) | Pg. 4, Sch. 2, Ln. 7 | 188,662 | 164,465 | 222,567 |
| 10 | Eastern Access Mainline Expansion Phase 1 and 2 (Projects 18, 19) | Pg. 7, Sch. 8, Ln. 5 | 310,645 | 304,950 | 292,034 |
| 11 | 2014 - 2016 Mainline Expansions (Projects 20, 24) | Pg. 8, Sch. 2, Ln. 7 | 453,750 | 450,385 | 443,780 |
| 12 | Line 14 (Project 21) | Pg. 11, Sch. 8, Ln. 6 | (25,257) | (18,363) | (16,275) |
| 13 | Agreed-Upon Legacy Integrity (Projects 22) | Pg. 12, Sch. 2, Ln. 7 | 39,991 | 40,258 | 34,624 |
| 14 | Agreed-Upon Future Integrity (Project 23) | Pg. 14, Sch. 2, Ln. 7 | 50,224 | 50,898 | 48,815 |
| 15 | Line 3 Replacement (Project 27) | Pg. 16, Sch. 2, Ln. 7 | 659,959 | 494,809 | 715,256 |
| 16 | Line 62 Reversal / Line 61 Cooler (Project 28, 29) | Pg. 18, Sch. 2, Ln. 7 | | | 22,669 |
| 17 | Revenue Credit | Input, Note 1 | (510,640) | (513,043) | (460,738) |
| 18 | Non-Performance Penalty Credit | Input | | (162) | |
| 19 | Subtotal | Sum Lns. (8 - 18) | <u>1,323,009</u> | <u>1,136,074</u> | <u>1,427,420</u> |
| 20 | Total FS Revenue Requirement | Sum Lns. (7 & 19) | <u>1,404,483</u> | <u>1,217,642</u> | <u>1,508,737</u> |

Schedule 2 (Adjustments to FS Revenue Requirement)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|--|------------------|--------------------------|-----------------------|--------------------------|
| 1 | Total FS Revenue Requirement | Sch. 1, Ln. 20 | 1,404,483 | 1,217,642 | 1,508,737 |
| 2 | True-Up of (Over) / Under Collection of Previous Year's FS Revenue Requirement | Input | 13,178 | 13,178 | |
| 3 | Interest on True-Up of (Over) / Under Collection of Previous Year's FS & ABC Revenue Requirement | Input, Note 2 | 55 | 55 | |
| 4 | True-Up of (Over) / Under Collection of Base System & FS Revenue Requirement per Offer of Settlement | Input | | | (47,345) |
| 5 | Interest on True-Up on Base System & FS Revenue Requirement per Offer of Settlement | Input, Note 3 | | | (19,385) |
| 6 | Total FS Adjusted Revenue Requirement | Sum Lns. (1 - 5) | 1,417,717 | 1,230,875 | 1,442,006 |
| 7 | Transmission FS Revenue Requirement - Adjusted For Annual Revenue Collection | Input, Note 3 | 1,539,978 | | 1,260,090 |
| 8 | Actual Revenue Collected | Input | | 1,418,212 | |

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

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|--|--|---|--------------------------|-----------------------|--------------------------|
| 1 | FS Total System Deliveries [m3 per day] | Input | | | 490,058 |
| 2 | Total System Light Crude Equivalent (LCE) [000 m3.miles per day] | Input | | | 425,493 |
| Calculation of LCE Unit Transmission Rate | | | | | |
| 3 | Times Days From January 1 - December 31 (Days) | Input | | | 365 |
| 4 | Total System LCE [000 m3.miles] | Lns. 2 * 3 | | | 155,304,978 |
| 5 | Total LCE Unit Transmission Rate [cents/100 m3.mile] | (Sch. 2, Ln. 7 / Sch. 3, Ln. 5) *10,000 | | | 81.136476 |

Notes:

- Revenue Credit includes Qualifying Volumes in accordance with the Alberta Clipper U.S. Term Sheet at paragraph 13.
- Interest on previous year's FS & ABC revenue requirement true-up based, respectively, on the Weighted Average of Quarterly T-Bill Rate and the Average Monthly BoC Bank Rate.
- Interest on True-Up on Base System & FS Revenue Requirement calculated per Lakehead Offer of Settlement, pursuant to 18 CFR § 340.1.
- Revenue Requirement adjusted to collect the Total FS Adjusted Revenue Requirement within the calendar year.
- 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. 43.48.0
Amounts in Thousands of U.S. Dollars

Schedule 1 (Inputs)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|---|---------------|-------------------|----------------|-------------------|
| 1 | Carrier Plant In Service (CPIS) Additions | Input, Note 1 | 1,856,648 | 1,850,282 | 1,851,350 |
| | <u>Operating Expenses:</u> | | | | |
| 2 | Operating Expenses (Property Taxes) | Input | 16,701 | 16,698 | 16,980 |
| 3 | Operating Expenses (Power) | Input, Note 2 | 63,606 | 63,847 | 54,959 |
| 4 | Operating Expenses (Other) | Input | 10,231 | 11,846 | 9,638 |

Schedule 2 (Summary of Revenue Requirement)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|---|--------------------------|-------------------|----------------|-------------------|
| 1 | Overall Return on Rate Base | Sch. 5, Ln. 9 | 88,918 | 90,475 | 82,620 |
| 2 | Income Tax Allowance | Sch. 6, Ln. 7 | 28,924 | 29,849 | 25,934 |
| 3 | Operating Expenses Excluding Depreciation | Sch. 1, Sum Lns. (2 - 4) | 90,538 | 92,391 | 81,578 |
| 4 | Depreciation of Assets | Input | 61,376 | 61,211 | 38,809 |
| 5 | Depreciation on AFUDC | Input | 3,142 | 3,145 | 1,975 |
| 6 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 7,878 | 9,251 | 5,608 |
| 7 | Total Revenue Requirement | Sum Lns. (1 - 6) | <u>280,775</u> | <u>286,321</u> | <u>236,522</u> |

Schedule 3 (Average Rate Base)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|--|--------------------|-------------------|------------------|-------------------|
| 1 | CPIS Additions | Input | 1,856,648 | 1,850,282 | 1,851,350 |
| 2 | Accumulated Depreciation | Input | (844,833) | (844,768) | (849,847) |
| 3 | Net AFUDC | Input | 50,761 | 50,570 | 50,356 |
| 4 | Accumulated Deferred Income Tax (ADIT) | Sch. 7, Ln. - (11) | (32,890) | (31,431) | (56,552) |
| 5 | Working Capital | Input | - | - | - |
| 6 | Average Rate Base | Sum Lns. (1 - 5) | <u>1,029,686</u> | <u>1,024,653</u> | <u>995,306</u> |

Schedule 4 (Deferred Earnings)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|---|---------------------|-------------------|----------------|-------------------|
| 1 | Deferred Earnings-Beginning of the Year (BOY) | Previous Year Ln. 4 | 167,644 | 167,644 | 145,806 |
| 2 | Annual Deferred Earnings | Input | 19,353 | 60,561 | - |
| 3 | Amortization of Deferred Earnings | Input | (7,878) | (9,251) | (5,608) |
| 4 | Deferred Earnings-End of Year (EOY) | Sum Lns. (1 - 3) | <u>179,119</u> | <u>218,955</u> | <u>140,198</u> |
| 5 | Average Deferred Earnings | (Ln. 1 + Ln. 4) / 2 | <u>173,382</u> | <u>193,300</u> | <u>143,002</u> |

Schedule 5 (Return on Rate Base)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|----------------------------|-------------------------------------|-------------------|------------------|-------------------|
| 1 | Equity Rate Base - Average | Sch. 3, Ln. 6 * 55% + Sch. 4, Ln. 5 | 739,709 | 756,859 | 690,420 |
| 2 | Debt Rate Base - Average | Sch. 3, Ln. 6 * 45% | 463,359 | 461,094 | 447,888 |
| 3 | Total Rate Base - Average | Sum Lns. (1 - 2) | <u>1,203,068</u> | <u>1,217,953</u> | <u>1,138,308</u> |
| 4 | Adjusted Equity Ratio | Ln. 1 / Ln. 3 | 61.5% | 62.1% | 60.7% |
| 5 | Adjusted Debt Ratio | 1 - Ln. 4 | 38.5% | 37.9% | 39.3% |
| 6 | Cost of Equity (Real) | Input | 9.0% | 9.0% | 9.0% |
| 7 | Cost of Debt | Input | 4.9% | 4.9% | 4.6% |
| 8 | Weighted Cost of Capital | Lns. (6 * 4 + 7 * 5) | 7.4% | 7.4% | 7.3% |
| 9 | Total Return on Rate Base | Lns. 3 * 8 | 88,918 | 90,475 | 82,620 |
| 10 | Interest Expense | Lns. - (2 * 7) | (22,440) | (22,367) | (20,482) |
| 11 | Equity Return on Rate Base | Sum Lns. (9 - 10) | <u>66,478</u> | <u>68,107</u> | <u>62,138</u> |

Schedule 6 (Income Tax Allowance)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|---|-------------------------------------|--------------------------|-----------------------|--------------------------|
| 1 | Equity Return on Rate Base | Sch. 5, Ln. 11 | 66,478 | 68,107 | 62,138 |
| 2 | Amortization of Allowance for Equity During Construction (AEDC) | Input | 2,196 | 2,197 | 1,379 |
| 3 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 7,878 | 9,251 | 5,608 |
| 4 | Amortization of Over(Under) Funded ADIT | Sch. 7, Ln. 7 | 2 | (2) | (4) |
| 5 | Total Taxable Return | Sum Lns. (1 - 4) | 76,554 | 79,552 | 69,121 |
| 6 | Net to Tax Multiplier | Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5) | 37.8% | 37.5% | 37.5% |
| 7 | Tax Allowance | Lns. 4 plus Lns. (5 * 6) | 28,924 | 29,849 | 25,934 |

Schedule 7 (ADIT)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|---|-----------------------|--------------------------|-----------------------|--------------------------|
| 1 | MACRS Claim | Input | 106,696 | 96,073 | 98,199 |
| 2 | Depreciation | Sch. 2, Ln. 4 | 61,376 | 61,211 | 38,809 |
| 3 | AIDC Amortization | Input | 946 | 948 | 596 |
| 4 | Difference | Ln. 1 - Lns. (2 - 3) | 44,374 | 33,914 | 58,795 |
| 5 | Income Tax Rate | Input | 27.4% | 27.3% | 27.3% |
| 6 | Deferred Income Tax Expense | Ln. 4 * Ln. 5 | 12,167 | 9,254 | 16,043 |
| 7 | Amortization of Over(Under) Funded ADIT | Input | 2 | (2) | (4) |
| 8 | Adjusted Deferred Income Tax Expense | Sum Lns. (6 - 7) | 12,170 | 9,251 | 16,039 |
| 9 | Previous ADIT | Input | 26,805 | 26,805 | 48,533 |
| 10 | Year End ADIT | Sum Lns. (8 - 9) | 38,974 | 36,056 | 64,572 |
| 11 | Average ADIT | Average Lns. 9 and 10 | 32,890 | 31,431 | 56,552 |

Schedule 8 (Adjustments to Revenue Requirement)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|--------------------------------------|-----------------------|--------------------------|-----------------------|--------------------------|
| 1 | Total Revenue Requirement | Sch. 2, Ln. 7 | 280,775 | 286,321 | 236,522 |
| 2 | 50% of Qualifying Volume Credits | Input | (116,160) | (116,032) | (102,270) |
| 3 | Tankage Credits | Input | (8,941) | (8,414) | (9,564) |
| 4 | Total Revenue Requirement - Adjusted | Sum Lns. (1, 2 and 3) | 155,674 | 161,876 | 124,688 |

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.

Enbridge Energy, LP
Revenue Requirement Calculation for Alberta Clipper (Project 12)
Set Forth in FERC No. 43.48.0
Amounts in Thousands of U.S. Dollars

Schedule 1 (Inputs)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------------------------|-------------------------------------|---------------|-------------------|----------------|-------------------|
| 1 | CPIS Additions | Input, Note 1 | 1,224,926 | 1,224,926 | 1,225,301 |
| <u>Operating Expenses:</u> | | | | | |
| 2 | Operating Expenses (Property Taxes) | Input, Note 2 | 17,683 | 17,683 | 22,624 |
| 3 | Operating Expenses (Power) | Input, Note 3 | 39,619 | 54,190 | 60,064 |
| 4 | Operating Expenses (Other) | Input, Note 2 | 14,355 | 14,355 | 16,202 |

Schedule 2 (Summary of Revenue Requirement)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|---|--------------------------|-------------------|----------------|-------------------|
| 1 | Overall Return on Rate Base | Sch. 5, Ln. 9 | 52,149 | 23,058 | 67,475 |
| 2 | Income Tax Allowance | Sch. 6, Ln. 7 | 16,185 | 5,450 | 21,212 |
| 3 | Operating Expenses Excluding Depreciation | Sch. 1, Sum Lns. (2 - 4) | 71,657 | 86,227 | 98,890 |
| 4 | Depreciation of Assets | Input | 41,538 | 41,549 | 29,857 |
| 5 | Depreciation on AFUDC | Input | 1,980 | 1,980 | 1,400 |
| 6 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 5,153 | 6,200 | 3,733 |
| 7 | Total Revenue Requirement | Sum Lns. (1 - 6) | 188,662 | 164,465 | 222,567 |

Schedule 3 (Average Rate Base)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|--------------------------|--------------------|-------------------|----------------|-------------------|
| 1 | CPIS Additions | Input | 1,224,926 | 1,224,926 | 1,225,301 |
| 2 | Accumulated Depreciation | Input | (448,790) | (448,795) | (461,054) |
| 3 | Net AFUDC | Input | 36,212 | 36,212 | 35,711 |
| 4 | ADIT | Sch. 7, Ln. - (11) | (36,458) | (36,436) | (50,923) |
| 5 | Working Capital | Input | 7,750 | 8,357 | 7,718 |
| 6 | Average Rate Base | Sum Lns. (1 - 5) | 783,640 | 784,263 | 756,753 |

Schedule 4 (Deferred Earnings)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|-----------------------------------|---------------------|-------------------|----------------|-------------------|
| 1 | Deferred Earnings-BOY | Previous Year Ln. 4 | 112,988 | 112,988 | 97,067 |
| 2 | Annual Deferred Earnings | Input | 14,373 | 45,119 | - |
| 3 | Amortization of Deferred Earnings | Input | (5,153) | (6,200) | (3,733) |
| 4 | Deferred Earnings-End of Year | Sum Lns. (1 - 3) | 122,209 | 151,908 | 93,334 |
| 5 | Average Deferred Earnings | (Ln. 1 + Ln. 4) / 2 | 117,598 | 132,448 | 95,200 |

Schedule 5 (Return on Rate Base)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|----------------------------|-------------------------------------|-------------------|----------------|-------------------|
| 1 | Equity Rate Base - Average | Sch. 3, Ln. 6 * 55% + Sch. 4, Ln. 5 | 548,600 | 563,793 | 511,415 |
| 2 | Debt Rate Base - Average | Sch. 3, Ln. 6 * 45% | 352,638 | 352,919 | 340,539 |
| 3 | Total Rate Base - Average | Sum Lns. (1 - 2) | 901,238 | 916,711 | 851,954 |
| 4 | Adjusted Equity Ratio | Ln. 1 / Ln. 3 | 60.9% | 61.5% | 60.0% |
| 5 | Adjusted Debt Ratio | 1 - Ln. 4 | 39.1% | 38.5% | 40.0% |
| 6 | Cost of Equity (Real) | Input | 6.6% | 1.2% | 10.1% |
| 7 | Cost of Debt | Input | 4.5% | 4.6% | 4.6% |
| 8 | Weighted Cost of Capital | Lns. (6 * 4 + 7 * 5) | 5.8% | 2.5% | 7.9% |
| 9 | Total Return on Rate Base | Lns. 3 * 8 | 52,149 | 23,058 | 67,475 |
| 10 | Interest Expense | Lns. - (2 * 7) | (15,897) | (16,139) | (15,669) |
| 11 | Equity Return on Rate Base | Sum Lns. (9 - 10) | 36,262 | 6,919 | 51,806 |

Schedule 6 (Income Tax Allowance)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|---|-------------------------------------|--------------------------|-----------------------|--------------------------|
| 1 | Equity Return on Rate Base | Sch. 5, Ln. 11 | 36,262 | 6,919 | 51,806 |
| 2 | Amortization of AEDC | Input | 1,416 | 1,417 | 1,002 |
| 3 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 5,153 | 6,200 | 3,733 |
| 4 | Amortization of Over(Under) Funded ADIT | Sch. 7, Ln. 7 | 3 | (3) | (4) |
| 5 | Total Taxable Return | Sum Lns. (1 - 4) | 42,834 | 14,532 | 56,538 |
| 6 | Net to Tax Multiplier | Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5) | 37.8% | 37.5% | 37.5% |
| 7 | Tax Allowance | Lns. 4 plus Lns. (5 * 6) | 16,185 | 5,450 | 21,212 |

Schedule 7 (ADIT)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|---|-----------------------|--------------------------|-----------------------|--------------------------|
| 1 | MACRS Claim | Input | 68,937 | 68,937 | 61,962 |
| 2 | Depreciation | Sch. 2, Ln. 4 | 41,538 | 41,549 | 29,857 |
| 3 | AIDC Amortization | Input | 563 | 564 | 399 |
| 4 | Difference | Ln. 1 - Lns. (2 - 3) | 26,835 | 26,824 | 31,706 |
| 5 | Income Tax Rate | Input | 27.4% | 27.3% | 27.3% |
| 6 | Deferred Income Tax Expense | Ln. 4 * Ln. 5 | 7,358 | 7,319 | 8,651 |
| 7 | Amortization of Over(Under) Funded ADIT | Input | 3 | (3) | (4) |
| 8 | Adjusted Deferred Income Tax Expense | Sum Lns. (6 - 7) | 7,361 | 7,316 | 8,647 |
| 9 | Previous ADIT | Input | 32,778 | 32,778 | 46,599 |
| 10 | Year End ADIT | Sum Lns. (8 - 9) | 40,139 | 40,094 | 55,246 |
| 11 | Average ADIT | Average Lns. 9 and 10 | 36,458 | 36,436 | 50,923 |

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 Alberta Clipper (Project 12) and subsequent expansions related to Alberta Clipper.

Schedule 1 (Inputs)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|-------------------------------------|---------------|--------------------------|-----------------------|--------------------------|
| 1 | CPIS Additions | Input, Note 1 | 2,142,142 | 2,142,142 | 2,142,142 |
| | <u>Operating Expenses:</u> | | | | |
| 2 | Operating Expenses (Property Taxes) | Input | 34,801 | 31,151 | 34,813 |
| 3 | Operating Expenses (Power) | Input | 3,542 | 3,869 | 6,954 |
| 4 | Operating Expenses (Other) | Input | 28,515 | 27,625 | 25,505 |

Schedule 2 (Summary of Revenue Requirement)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|---|--------------------------|--------------------------|-----------------------|--------------------------|
| 1 | Overall Return on Rate Base | Sch. 5, Ln. 9 | 136,559 | 136,563 | 145,575 |
| 2 | Income Tax Allowance | Sch. 6, Ln. 7 | 42,479 | 42,178 | 45,273 |
| 3 | Operating Expenses Excluding Depreciation | Sch. 1, Sum Lns. (2 - 4) | 66,858 | 62,645 | 67,272 |
| 4 | Depreciation of Assets | Input | 85,284 | 85,266 | 60,330 |
| 5 | Depreciation on AFUDC | Input | 4,101 | 4,100 | 2,889 |
| 6 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 7,493 | 7,491 | 4,461 |
| 7 | Total Revenue Requirement | Sum Lns. (1 - 6) | 342,774 | 338,244 | 325,800 |

Schedule 3 (Average Rate Base)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|--------------------------|--------------------|--------------------------|-----------------------|--------------------------|
| 1 | CPIS Additions | Input | 2,142,142 | 2,142,142 | 2,142,142 |
| 2 | Accumulated Depreciation | Input | (575,681) | (575,672) | (598,581) |
| 3 | Net AFUDC | Input | 74,750 | 74,750 | 73,678 |
| 4 | ADIT | Sch. 7, Ln. - (11) | (62,859) | (62,819) | (93,496) |
| 5 | Working Capital | Input | - | - | - |
| 6 | Average Rate Base | Sum Lns. (1 - 5) | 1,578,352 | 1,578,402 | 1,523,744 |

Schedule 4 (Deferred Earnings)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|-----------------------------------|---------------------|--------------------------|-----------------------|--------------------------|
| 1 | Deferred Earnings-BOY | Previous Year Ln. 4 | 143,265 | 143,265 | 115,989 |
| 2 | Annual Deferred Earnings | Input | 26,750 | 26,751 | - |
| 3 | Amortization of Deferred Earnings | Input | (7,493) | (7,491) | (4,461) |
| 4 | Deferred Earnings-End of Year | Sum Lns. (1 - 3) | 162,522 | 162,524 | 111,528 |
| 5 | Average Deferred Earnings | (Ln. 1 + Ln. 4) / 2 | 152,893 | 152,895 | 113,759 |

Schedule 5 (Return on Rate Base)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|----------------------------|-------------------------------------|--------------------------|-----------------------|--------------------------|
| 1 | Equity Rate Base - Average | Sch. 3, Ln. 6 * 55% + Sch. 4, Ln. 5 | 1,020,987 | 1,021,015 | 951,818 |
| 2 | Debt Rate Base - Average | Sch. 3, Ln. 6 * 45% | 710,258 | 710,281 | 685,685 |
| 3 | Total Rate Base - Average | Sum Lns. (1-2) | 1,731,245 | 1,731,296 | 1,637,503 |
| 4 | Adjusted Equity Ratio | Ln. 1 / Ln. 3 | 59.0% | 59.0% | 58.1% |
| 5 | Adjusted Debt Ratio | 1 - Ln. 4 | 41.0% | 41.0% | 41.9% |
| 6 | Cost of Equity (Real) | Input | 10.0% | 10.0% | 12.0% |
| 7 | Cost of Debt | Input | 4.9% | 4.9% | 4.6% |
| 8 | Weighted Cost of Capital | Lns. (6 * 4 + 7 * 5) | 7.9% | 7.9% | 8.9% |
| 9 | Total Return on Rate Base | Input | 136,559 | 136,563 | 145,575 |
| 10 | Interest Expense | Input | (34,461) | (34,462) | (31,357) |
| 11 | Equity Return on Rate Base | Sum Lns. (9-10) | 102,099 | 102,102 | 114,218 |

Schedule 6 (Income Tax Allowance)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|---|-------------------------------------|--------------------------|-----------------------|--------------------------|
| 1 | Equity Return on Rate Base | Sch. 5, Ln. 11 | 102,099 | 102,102 | 114,218 |
| 2 | Amortization of AEDC | Input | 2,826 | 2,825 | 1,991 |
| 3 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 7,493 | 7,491 | 4,461 |
| 4 | Amortization of Over(Under) Funded ADIT | Sch. 7, Ln. 7 | 6 | (5) | (6) |
| 5 | Total Taxable Return | Sum Lns. (1 - 4) | 112,423 | 112,413 | 120,665 |
| 6 | Net to Tax Multiplier | Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5) | 37.8% | 37.5% | 37.5% |
| 7 | Tax Allowance | Lns. 4 plus Lns. (5 * 6) | 42,479 | 42,178 | 45,273 |

Schedule 7 (ADIT)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|---|--------------------------|--------------------------|-----------------------|--------------------------|
| 1 | MACRS Claim | Input | 142,705 | 142,705 | 128,435 |
| 2 | Depreciation | Sch. 2, Ln. 4 | 85,284 | 85,266 | 60,330 |
| 3 | AIDC Amortization | Input | 1,275 | 1,275 | 898 |
| 4 | Difference | Ln. 1 Minus Lns. (2 - 3) | 56,146 | 56,164 | 67,206 |
| 5 | Income Tax Rate | Input | 27.4% | 27.3% | 27.3% |
| 6 | Deferred Income Tax Expense | Ln. 4 * Ln. 5 | 15,395 | 15,325 | 18,338 |
| 7 | Amortization of Over(Under) Funded ADIT | Input | 6 | (5) | (6) |
| 8 | Adjusted Deferred Income Tax Expense | Sum Lns. (6 - 7) | 15,401 | 15,320 | 18,332 |
| 9 | Previous ADIT | Input | 55,159 | 55,159 | 84,330 |
| 10 | Year end ADIT | Sum Lns. (8 - 9) | 70,560 | 70,479 | 102,662 |
| 11 | Average ADIT | Average Lns. 9 and 10 | 62,859 | 62,819 | 93,496 |

Schedule 8 (Adjustments to Revenue Requirement)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|--------------------------------------|------------------|--------------------------|-----------------------|--------------------------|
| 1 | Total Revenue Requirement | Sch. 2, Ln. 7 | 342,774 | 338,244 | 325,800 |
| 2 | Index Revenue Credits | Input | (32,129) | (33,293) | (33,767) |
| 3 | Capital Cost Risk Sharing | Input | - | - | - |
| 4 | Line 6B Integrity Credits | Input | - | - | - |
| 5 | Total Revenue Requirement - Adjusted | Sum Lns. (1 - 4) | 310,645 | 304,950 | 292,034 |

Notes

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

Enbridge Energy, LP
Revenue Requirement Calculation for 2014 - 2016 Mainline Expansions (Projects 20, 24)
Set Forth in FERC No. 43.48.0
Amounts in Thousands of U.S. Dollars

Schedule 1 (Inputs)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|-------------------------------------|---------------|-------------------|----------------|-------------------|
| 1 | CPIS Additions | Input, Note 1 | 2,821,546 | 2,817,401 | 2,820,046 |
| | <u>Operating Expenses:</u> | | | | |
| 2 | Operating Expenses (Property Taxes) | Input | 22,927 | 19,459 | 23,341 |
| 3 | Operating Expenses (Power) | Input | - | - | - |
| 4 | Operating Expenses (Other) | Input | 27,041 | 24,206 | 23,204 |

Schedule 2 (Summary of Revenue Requirement)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|---|--------------------------|-------------------|----------------|-------------------|
| 1 | Overall Return on Rate Base | Sch. 5, Ln. 9 | 198,528 | 202,171 | 223,428 |
| 2 | Income Tax Allowance | Sch. 6, Ln. 7 | 65,319 | 64,807 | 69,580 |
| 3 | Operating Expenses Excluding Depreciation | Sch. 1, Sum Lns. (2 - 4) | 49,968 | 43,664 | 46,545 |
| 4 | Depreciation of Assets | Input | 116,952 | 116,761 | 87,849 |
| 5 | Depreciation on AFUDC | Input | 14,598 | 14,597 | 12,010 |
| 6 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 8,386 | 8,384 | 4,369 |
| 7 | Total Revenue Requirement | Sum Lns. (1 - 6) | 453,750 | 450,385 | 443,780 |

Schedule 3 (Average Rate Base)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|--------------------------|--------------------|-------------------|----------------|-------------------|
| 1 | CPIS Additions | Input | 2,821,546 | 2,817,401 | 2,820,046 |
| 2 | Accumulated Depreciation | Input | (522,811) | (522,721) | (569,164) |
| 3 | Net AFUDC | Input | 315,118 | 315,118 | 306,273 |
| 4 | ADIT | Sch. 7, Ln. - (11) | (106,203) | (104,313) | (145,709) |
| 5 | Working Capital | Input | - | - | - |
| 6 | Average Rate Base | Sum Lns. (1 - 5) | 2,507,650 | 2,505,485 | 2,411,445 |

Schedule 4 (Deferred Earnings)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|-----------------------------------|---------------------|-------------------|----------------|-------------------|
| 1 | Deferred Earnings-BOY | Previous Year Ln. 4 | 145,621 | 145,621 | 113,598 |
| 2 | Annual Deferred Earnings | Input | 40,369 | 40,338 | - |
| 3 | Amortization of Deferred Earnings | Input | (8,386) | (8,384) | (4,369) |
| 4 | Deferred Earnings-End of Year | Sum Lns. (1 - 3) | 177,604 | 177,574 | 109,229 |
| 5 | Average Deferred Earnings | (Ln. 1 + Ln. 4) / 2 | 161,612 | 161,597 | 111,413 |

Schedule 5 (Return on Rate Base)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|----------------------------|-------------------------------------|-------------------|----------------|-------------------|
| 1 | Equity Rate Base - Average | Sch. 3, Ln. 6 * 55% + Sch. 4, Ln. 5 | 1,540,820 | 1,539,614 | 1,437,708 |
| 2 | Debt Rate Base - Average | Sch. 3, Ln. 6 * 45% | 1,128,443 | 1,127,468 | 1,085,150 |
| 3 | Total Rate Base - Average | Sum Lns. (1-2) | 2,669,263 | 2,667,082 | 2,522,859 |
| 4 | Adjusted Equity Ratio | Ln. 1 / Ln. 3 | 57.7% | 57.7% | 57.0% |
| 5 | Adjusted Debt Ratio | 1 - Ln. 4 | 42.3% | 42.3% | 43.0% |
| 6 | Cost of Equity (Real) | Input | 10.0% | 10.0% | 12.0% |
| 7 | Cost of Debt | Input | 3.9% | 4.3% | 4.7% |
| 8 | Weighted Cost of Capital | Lns. (6 * 4 + 7 * 5) | 7.5% | 7.6% | 8.9% |
| 9 | Total Return on Rate Base | Input | 198,528 | 202,171 | 223,428 |
| 10 | Interest Expense | Input | (44,446) | (48,209) | (50,919) |
| 11 | Equity Return on Rate Base | Sum Lns. (9-10) | 154,082 | 153,961 | 172,509 |

Schedule 6 (Income Tax Allowance)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|---|-------------------------------------|---------------------------|------------------------|---------------------------|
| 1 | Equity Return on Rate Base | Sch. 5, Ln. 11 | 154,082 | 153,961 | 172,509 |
| 2 | Amortization of AEDC | Input | 10,404 | 10,109 | 8,592 |
| 3 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 8,386 | 8,384 | 4,369 |
| 4 | Amortization of Over(Under) Funded ADIT | Sch. 7, Ln. 7 | 7 | (11) | (12) |
| 5 | Total Taxable Return | Sum Lns. (1 - 4) | 172,879 | 172,443 | 185,458 |
| 6 | Net to Tax Multiplier | Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5) | 37.8% | 37.5% | 37.5% |
| 7 | Tax Allowance | Lns. 4 plus Lns. (5 * 6) | 65,319 | 64,697 | 69,580 |

Schedule 7 (ADIT)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|---|--------------------------|---------------------------|------------------------|---------------------------|
| 1 | MACRS Claim | Input | 223,274 | 209,805 | 191,225 |
| 2 | Depreciation | Sch. 2, Ln. 4 | 116,952 | 116,761 | 87,849 |
| 3 | AIDC Amortization | Input | 4,194 | 4,194 | 3,418 |
| 4 | Difference | Ln. 1 Minus Lns. (2 - 3) | 102,128 | 88,850 | 99,858 |
| 5 | Income Tax Rate | Input | 27.4% | 27.3% | 27.3% |
| 6 | Deferred Income Tax Expense | Ln. 4 * Ln. 5 | 28,004 | 24,243 | 27,274 |
| 7 | Amortization of Over(Under) Funded ADIT | Input | 7 | (11) | (12) |
| 8 | Adjusted Deferred Income Tax Expense | Sum Lns. (6 - 7) | 28,011 | 24,232 | 27,262 |
| 9 | Previous ADIT | Input | 92,198 | 92,198 | 132,078 |
| 10 | Year End ADIT | Sum Lns. (8 - 9) | 120,208 | 116,430 | 159,340 |
| 11 | Average ADIT | Average Lns. 9 and 10 | 106,203 | 104,314 | 145,709 |

Notes

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

Schedule 1 (Inputs)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected 2022 | Actual 2022 | Projected 2023 |
|-----------------|-------------------------------------|---------------|-------------------|----------------|-------------------|
| 1 | CPIS Additions | Input, Note 1 | 666,743 | 665,453 | 666,177 |
| | <u>Operating Expenses:</u> | | | | |
| 2 | Operating Expenses (Property Taxes) | Input | 389 | 420 | 457 |
| 3 | Operating Expenses (Power) | Input | (4,500) | 0 | 0 |
| 4 | Operating Expenses (Other) | Input | 3,453 | 5,133 | 2,917 |

Schedule 2 (Summary of Revenue Requirement)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected 2022 | Actual 2022 | Projected 2023 |
|-----------------|---|--------------------------|-------------------|----------------|-------------------|
| 1 | Overall Return on Rate Base | Sch. 5, Ln. 9 | 9,116 | 9,208 | 10,312 |
| 2 | Income Tax Allowance | Sch. 6, Ln. 7 | 2,979 | 3,007 | 3,105 |
| 3 | Operating Expenses Excluding Depreciation | Sch. 1, Sum Lns. (2 - 4) | (658) | 5,553 | 3,374 |
| 4 | Depreciation of Assets | Input | 6,850 | 6,791 | 4,242 |
| 5 | Depreciation on AFUDC | Input | 12 | 9 | 7 |
| 6 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 767 | 766 | 265 |
| 7 | Total Revenue Requirement | Sum Lns. (1 - 6) | 19,066 | 25,334 | 21,304 |

Schedule 3 (Average Rate Base)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected 2022 | Actual 2022 | Projected 2023 |
|-----------------|--------------------------|--------------------|-------------------|----------------|-------------------|
| 1 | CPIS Additions | Input | 666,743 | 665,453 | 666,177 |
| 2 | Accumulated Depreciation | Input | (557,419) | (557,397) | (557,792) |
| 3 | Net AFUDC | Input | 242 | 173 | 170 |
| 4 | ADIT | Sch. 7, Ln. - (11) | 3,631 | 3,895 | 497 |
| 5 | Working Capital | Input | - | - | - |
| 6 | Average Rate Base | Sum Lns. (1 - 5) | 113,197 | 112,124 | 109,051 |

Schedule 4 (Deferred Earnings)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected 2022 | Actual 2022 | Projected 2023 |
|-----------------|-----------------------------------|---------------------|-------------------|----------------|-------------------|
| 1 | Deferred Earnings-BOY | Input | 8,293 | 8,293 | 6,896 |
| 2 | Annual Deferred Earnings | Input | 1,863 | 1,847 | 0 |
| 3 | Amortization of Deferred Earnings | Input | (767) | (766) | (265) |
| 4 | Deferred Earnings-End of Year | Sum Lns. (1 - 3) | 9,388 | 9,374 | 6,631 |
| 5 | Average Deferred Earnings | (Ln. 1 + Ln. 4) / 2 | 8,841 | 8,833 | 6,764 |

Schedule 5 (Return on Rate Base)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected 2022 | Actual 2022 | Projected 2023 |
|-----------------|----------------------------|------------------------------------|-------------------|----------------|-------------------|
| 1 | Equity Rate Base - Average | Sch.3, Ln. 6 * 55% + Sch. 4, Ln. 5 | 71,099 | 70,501 | 66,742 |
| 2 | Debt Rate Base - Average | Sch.3, Ln. 6 * 45% | 50,939 | 50,456 | 49,073 |
| 3 | Total Rate Base - Average | Sum Lns. (1 - 2) | 122,038 | 120,957 | 115,815 |
| 4 | Adjusted Equity Ratio | Ln. 1 / Ln. 3 | 58.3% | 58.3% | 57.6% |
| 5 | Adjusted Debt Ratio | 1 - Ln. 4 | 41.7% | 41.7% | 42.4% |
| 6 | Cost of Equity (Real) | Input | 10.0% | 10.0% | 12.0% |
| 7 | Cost of Debt | Input | 3.9% | 4.3% | 4.7% |
| 8 | Weighted Cost of Capital | Lns. (6 * 4 + 7 * 5) | 7.5% | 7.6% | 8.9% |
| 9 | Total Return on Rate Base | Input | 9,116 | 9,208 | 10,312 |
| 10 | Interest Expense | Input | (2,006) | (2,157) | (2,303) |
| 11 | Equity Return on Rate Base | Sum Lns. (9 - 10) | 7,110 | 7,050 | 8,009 |

Schedule 6 (Income Tax Allowance)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|---|-------------------------------------|--------------------------|-----------------------|--------------------------|
| 1 | Equity Return on Rate Base | Sch. 5, Ln. 11 | 7,110 | 7,050 | 8,009 |
| 2 | Amortization of AEDC | Input | 5 | 2 | 2 |
| 3 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 767 | 766 | 265 |
| 4 | Amortization of Over(Under) Funded ADIT | Sch. 7, Ln. 7 | 1 | 53 | (1) |
| 5 | Total Taxable Return | Sum Lns. (1 - 4) | <u>7,883</u> | <u>7,872</u> | <u>8,276</u> |
| 6 | Net to Tax Multiplier | Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5) | 37.8% | 37.5% | 37.5% |
| 7 | Tax Allowance | Ln. 4 + Lns. (5 * 6) | 2,979 | 3,007 | 3,105 |

Schedule 7 (ADIT)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|---|-----------------------|--------------------------|-----------------------|--------------------------|
| 1 | MACRS Claim | Input | 16,014 | 13,876 | 11,617 |
| 2 | Depreciation | Sch. 2, Ln. 4, | 6,850 | 6,791 | 4,242 |
| 3 | AIDC Amortization | Input | 7 | 7 | 5 |
| 4 | Difference | Ln. 1 - Ln. 2 | <u>9,157</u> | <u>7,079</u> | <u>7,370</u> |
| 5 | Income Tax Rate | Input | <u>27.4%</u> | <u>27.3%</u> | <u>27.3%</u> |
| 6 | Deferred Income Tax Expense | Ln. 4 * Ln. 5 | 2,511 | 1,931 | 2,011 |
| 7 | Amortization of Over(Under) Funded ADIT | Input | 1 | 53 | (1) |
| 8 | Adjusted Deferred Income Tax Expense | Sum Lns. (6 - 7) | <u>2,512</u> | <u>1,985</u> | <u>2,010</u> |
| 9 | Previous ADIT | Input | <u>(4,887)</u> | <u>(4,887)</u> | <u>(1,502)</u> |
| 10 | Year End ADIT | Sum Lns. (8 - 9) | <u>(2,376)</u> | <u>(2,902)</u> | <u>508</u> |
| 11 | Average ADIT | Average Lns. 9 and 10 | <u>(3,631)</u> | <u>(3,895)</u> | <u>(497)</u> |

Schedule 8 (Adjustments to Revenue Requirement)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|---|------------------|--------------------------|-----------------------|--------------------------|
| 1 | Total Revenue Requirement | Sch. 2, Ln. 7 | 19,066 | 25,334 | 21,304 |
| 2 | Index Revenue Credits | Input | (50,734) | (50,734) | (44,606) |
| 3 | \$30 mm Credit | Input | 14 | 11 | - |
| 4 | Line 1/13 Swap for Terrace | Input | 4,982 | 5,050 | 5,050 |
| 5 | 350 Centistoke (Reference Temperature Increase) | Input | 1,415 | 1,976 | 1,976 |
| 6 | Total Revenue Requirement - Adjusted | Sum Lns. (1 - 5) | <u>(25,257)</u> | <u>(18,363)</u> | <u>(16,275)</u> |

Notes

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

Schedule 1 (Inputs)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|-------------------------------------|---------------|---------------------------|------------------------|---------------------------|
| 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)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|---|--------------------------|---------------------------|------------------------|---------------------------|
| 1 | Overall Return on Rate Base | Sch. 5, Ln. 9 | 17,099 | 17,406 | 19,650 |
| 2 | Income Tax Allowance | Sch. 6, Ln. 7 | 5,827 | 5,787 | 6,086 |
| 3 | Operating Expenses Excluding Depreciation | Sch. 1, Sum Lns. (2 - 4) | - | - | - |
| 4 | Depreciation of Assets | Input | 15,141 | 15,141 | 8,111 |
| 5 | Depreciation on AFUDC | Input | 27 | 27 | 14 |
| 6 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 1,897 | 1,897 | 762 |
| 7 | Total Revenue Requirement | Sum Lns. (1 - 6) | 39,991 | 40,258 | 34,624 |

Schedule 3 (Average Rate Base)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|--------------------------|--------------------|---------------------------|------------------------|---------------------------|
| 1 | CPIS Additions | Input | 370,503 | 370,503 | 370,503 |
| 2 | Accumulated Depreciation | Input | (166,097) | (166,097) | (163,664) |
| 3 | Net AFUDC | Input | 363 | 363 | 367 |
| 4 | ADIT | Sch. 7, Ln. - (11) | (2,426) | (2,422) | (8,437) |
| 5 | Working Capital | Input | - | - | - |
| 6 | Average Rate Base | Sum Lns. (1 - 5) | 202,343 | 202,347 | 198,769 |

Schedule 4 (Deferred Earnings)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|-----------------------------------|---------------------|---------------------------|------------------------|---------------------------|
| 1 | Deferred Earnings-BOY | Previous Yr, Ln. 4 | 23,017 | 23,017 | 19,825 |
| 2 | Annual Deferred Earnings | Input | 3,540 | 3,540 | - |
| 3 | Amortization of Deferred Earnings | Input | (1,897) | (1,897) | (762) |
| 4 | Deferred Earnings-End of Year | Sum Lns. (1 - 3) | 24,660 | 24,660 | 19,062 |
| 5 | Average Deferred Earnings | (Ln. 1 + Ln. 4) / 2 | 23,838 | 23,838 | 19,443 |

Schedule 5 (Return on Rate Base)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|----------------------------|------------------------------------|---------------------------|------------------------|---------------------------|
| 1 | Equity Rate Base - Average | Sch.3, Ln. 6 * 55% + Sch. 4, Ln. 5 | 135,127 | 135,129 | 128,767 |
| 2 | Debt Rate Base - Average | Sch.3, Ln. 6 * 45% | 91,054 | 91,056 | 89,446 |
| 3 | Total Rate Base - Average | Sum Lns. (1 - 2) | 226,181 | 226,185 | 218,213 |
| 4 | Adjusted Equity Ratio | Ln. 1 / Ln. 3 | 59.7% | 59.7% | 59.0% |
| 5 | Adjusted Debt Ratio | 1 - Ln. 4 | 40.3% | 40.3% | 41.0% |
| 6 | Cost of Equity (Real) | Input | 10.0% | 10.0% | 12.0% |
| 7 | Cost of Debt | Input | 3.9% | 4.3% | 4.7% |
| 8 | Weighted Cost of Capital | Lns. (6 * 4 + 7 * 5) | 7.6% | 7.7% | 9.0% |
| 9 | Total Return on Rate Base | Lns. 3 * 8 | 17,099 | 17,406 | 19,650 |
| 10 | Interest Expense | Lns. - (2 * 7) | (3,586) | (3,893) | (4,198) |
| 11 | Equity Return on Rate Base | Sum Lns. (9 - 10) | 13,513 | 13,513 | 15,452 |

Schedule 6 (Income Tax Allowance)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|---|-------------------------------------|--------------------------|-----------------------|--------------------------|
| 1 | Equity Return on Rate Base | Sch. 5, Ln. 11 | 13,513 | 13,513 | 15,452 |
| 2 | Amortization of AEDC | Input | 15 | 15 | 8 |
| 3 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 1,897 | 1,897 | 762 |
| 4 | Amortization of Over(Under) Funded ADIT | Sch. 7, Ln. 7 | (0) | (1) | (1) |
| 5 | Total Taxable Return | Sum Lns. (1 - 4) | 15,424 | 15,424 | 16,222 |
| 6 | Net to Tax Multiplier | Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5) | 37.8% | 37.5% | 37.5% |
| 7 | Tax Allowance | Ln. 4 + Lns. (5 * 6) | 5,827 | 5,787 | 6,086 |

Schedule 7 (ADIT)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|---|-----------------------|--------------------------|-----------------------|--------------------------|
| 1 | MACRS Claim | Input | 20,608 | 20,608 | 18,548 |
| 2 | Depreciation | Sch. 2, Ln. 4, | 15,141 | 15,141 | 8,111 |
| 3 | AIDC Amortization | Input | 12 | 12 | 6 |
| 4 | Difference | Ln. 1 - Lns (2 - 3) | 5,455 | 5,455 | 10,430 |
| 5 | Income Tax Rate | Input | 27.4% | 27.3% | 27.3% |
| 6 | Deferred Income Tax Expense | Ln. 4 * Ln. 5 | 1,496 | 1,488 | 2,846 |
| 7 | Amortization of Over(Under) Funded ADIT | Input | (0) | (1) | (1) |
| 8 | Adjusted Deferred Income Tax Expense | Sum Lns. (6 - 7) | 1,496 | 1,488 | 2,845 |
| 9 | Previous ADIT | Input | 1,678 | 1,678 | 7,015 |
| 10 | Year End ADIT | Sum Lns. (8 - 9) | 3,174 | 3,166 | 9,860 |
| 11 | Average ADIT | Average Lns. 9 and 10 | 2,426 | 2,422 | 8,437 |

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. 43.48.0
Amounts in Thousands of U.S. Dollars

Schedule 1 (Inputs)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|-------------------------------------|---------------|-------------------|----------------|-------------------|
| 1 | CPIS Additions | Input, Note 1 | 352,535 | 352,535 | 352,535 |
| | <u>Operating Expenses:</u> | | | | |
| 2 | Operating Expenses (Property Taxes) | Input | 5,975 | 6,290 | 6,196 |
| 3 | Operating Expenses (Power) | Input | - | - | - |
| 4 | Operating Expenses (Other) | Input | - | - | - |

Schedule 2 (Summary of Revenue Requirement)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|---|--------------------------|-------------------|----------------|-------------------|
| 1 | Overall Return on Rate Base | Sch. 5, Ln. 9 | 21,437 | 21,839 | 24,103 |
| 2 | Income Tax Allowance | Sch. 6, Ln. 7 | 6,748 | 6,700 | 7,243 |
| 3 | Operating Expenses Excluding Depreciation | Sch. 1, Sum Lns. (2 - 4) | 5,975 | 6,290 | 6,196 |
| 4 | Depreciation of Assets | Input | 14,944 | 14,947 | 10,674 |
| 5 | Depreciation on AFUDC | Input | - | - | - |
| 6 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 1,121 | 1,121 | 600 |
| 7 | Total Revenue Requirement | Sum Lns. (1 - 6) | 50,224 | 50,898 | 48,815 |

Schedule 3 (Average Rate Base)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|--------------------------|--------------------|-------------------|----------------|-------------------|
| 1 | CPIS Additions | Input | 352,535 | 352,535 | 352,535 |
| 2 | Accumulated Depreciation | Input | (76,073) | (76,075) | (80,343) |
| 3 | Net AFUDC | Input | - | - | - |
| 4 | ADIT | Sch. 7, Ln. - (11) | (11,335) | (11,327) | (16,584) |
| 5 | Working Capital | Input | - | - | - |
| 6 | Average Rate Base | Sum Lns. (1 - 5) | 265,127 | 265,133 | 255,608 |

Schedule 4 (Deferred Earnings)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|-----------------------------------|---------------------|-------------------|----------------|-------------------|
| 1 | Deferred Earnings-BOY | Previous Yr, Ln. 4 | 19,924 | 19,924 | 15,593 |
| 2 | Annual Deferred Earnings | Input | 4,385 | 4,385 | - |
| 3 | Amortization of Deferred Earnings | Input | (1,121) | (1,121) | (600) |
| 4 | Deferred Earnings-End of Year | Sum Lns. (1 - 3) | 23,188 | 23,188 | 14,993 |
| 5 | Average Deferred Earnings | (Ln. 1 + Ln. 4) / 2 | 21,556 | 21,556 | 15,293 |

Schedule 5 (Return on Rate Base)

| Line No. | Description | Source | Projected 2022 | Actual 2022 | Projected 2023 |
|----------|----------------------------|------------------------------------|-------------------|----------------|-------------------|
| 1 | Equity Rate Base - Average | Sch.3, Ln. 6 * 55% + Sch. 4, Ln. 5 | 167,376 | 167,379 | 155,878 |
| 2 | Debt Rate Base - Average | Sch.3, Ln. 6 * 45% | 119,307 | 119,310 | 115,024 |
| 3 | Total Rate Base - Average | Sum Lns. (1 - 2) | 286,683 | 286,689 | 270,901 |
| 4 | Adjusted Equity Ratio | Ln. 1 / Ln. 3 | 58.4% | 58.4% | 57.5% |
| 5 | Adjusted Debt Ratio | 1 - Ln. 4 | 41.6% | 41.6% | 42.5% |
| 6 | Cost of Equity (Real) | Input | 10.0% | 10.0% | 12.0% |
| 7 | Cost of Debt | Input | 3.9% | 4.3% | 4.7% |
| 8 | Weighted Cost of Capital | Lns. (6 * 4 + 7 * 5) | 7.5% | 7.6% | 8.9% |
| 9 | Total Return on Rate Base | Lns. 3 * 8 | 21,437 | 21,839 | 24,103 |
| 10 | Interest Expense | Lns. - (2 * 7) | (4,699) | (5,102) | (5,398) |
| 11 | Equity Return on Rate Base | Sum Lns. (9 - 10) | 16,738 | 16,738 | 18,705 |

Schedule 6 (Income Tax Allowance)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|---|-------------------------------------|---------------------------|------------------------|---------------------------|
| 1 | Equity Return on Rate Base | Sch. 5, Ln. 11 | 16,738 | 16,738 | 18,705 |
| 2 | Amortization of AEDC | Input | - | - | - |
| 3 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 1,121 | 1,121 | 600 |
| 4 | Amortization of Over(Under) Funded ADIT | Sch. 7, Ln. 7 | 1 | (1) | (1) |
| 5 | Total Taxable Return | Sum Lns. (1 - 4) | 17,859 | 17,858 | 19,304 |
| 6 | Net to Tax Multiplier | Sch. 7, Ln. 5 / (1 - Sch. 7, Ln. 5) | 37.8% | 37.5% | 37.5% |
| 7 | Tax Allowance | Ln. 4 + Lns. (5 * 6) | 6,748 | 6,700 | 7,243 |

Schedule 7 (ADIT)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|---|-----------------------|---------------------------|------------------------|---------------------------|
| 1 | MACRS Claim | Input | 24,756 | 24,756 | 22,281 |
| 2 | Depreciation | Sch. 2, Ln. 4 | 14,944 | 14,947 | 10,674 |
| 3 | AIDC Amortization | Input | - | - | - |
| 4 | Difference | Ln. 1 - Ln. 2 | 9,812 | 9,809 | 11,606 |
| 5 | Income Tax Rate | Input | 27.4% | 27.3% | 27.3% |
| 6 | Deferred Income Tax Expense | Ln. 4 * Ln. 5 | 2,691 | 2,676 | 3,167 |
| 7 | Amortization of Over(Under) Funded ADIT | Input | 1 | (1) | (1) |
| 8 | Adjusted Deferred Income Tax Expense | Sum Lns. (6 - 7) | 2,692 | 2,676 | 3,166 |
| 9 | Previous ADIT | Input | 9,989 | 9,989 | 15,001 |
| 10 | Year End ADIT | Sum Lns. (8 - 9) | 12,681 | 12,665 | 18,167 |
| 11 | Average ADIT | Average Lns. 9 and 10 | 11,335 | 11,327 | 16,584 |

Notes

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

Schedule 1 (Inputs)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|-------------------------------------|---------------|--------------------------|-----------------------|--------------------------|
| 1 | CPIS Additions | Input, Note 1 | 3,744,581 | 3,726,760 | 3,853,988 |
| | <u>Operating Expenses:</u> | | | | |
| 2 | Operating Expenses (Property Taxes) | Input | 49,289 | 49,080 | 54,755 |
| 3 | Operating Expenses (Power) | Input | 119,145 | 114,131 | 107,453 |
| 4 | Operating Expenses (Other) | Input | 36,032 | 23,460 | 29,247 |

Schedule 2 (Summary of Revenue Requirement)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|---|--------------------------|--------------------------|-----------------------|--------------------------|
| 1 | Overall Return on Rate Base | Sch. 5, Ln. 9 | 242,548 | 133,797 | 284,267 |
| 2 | Income Tax Allowance | Sch. 6, Ln. 7 | 71,362 | 29,252 | 83,261 |
| 3 | Operating Expenses Excluding Depreciation | Sch. 1, Sum Lns. (2 - 4) | 204,467 | 186,671 | 191,455 |
| 4 | Depreciation of Assets | Input | 123,985 | 123,476 | 139,617 |
| 5 | Depreciation on AFUDC | Input | 14,449 | 14,449 | 15,851 |
| 6 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 3,149 | 7,164 | 806 |
| 7 | Total Revenue Requirement | Sum Lns. (1 - 6) | 659,959 | 494,809 | 715,256 |

Schedule 3 (Average Rate Base)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|--------------------------|--------------------|--------------------------|-----------------------|--------------------------|
| 1 | CPIS Additions | Input | 3,744,581 | 3,726,760 | 3,853,988 |
| 2 | Accumulated Depreciation | Input | (128,411) | (128,424) | (273,443) |
| 3 | Net AFUDC | Input | 421,085 | 421,085 | 404,192 |
| 4 | ADIT | Sch. 7, Ln. - (12) | (235,198) | (221,664) | (469,678) |
| 5 | Working Capital | Input | - | - | - |
| 6 | Average Rate Base | Sum Lns. (1 - 5) | 3,802,057 | 3,797,757 | 3,515,060 |

Schedule 4 (Deferred Earnings)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|-----------------------------------|---------------------|--------------------------|-----------------------|--------------------------|
| 1 | Deferred Earnings-BOY | Previous Yr, Ln. 4 | 36,717 | 36,717 | 20,951 |
| 2 | Annual Deferred Earnings | Input | 56,448 | 176,890 | - |
| 3 | Amortization of Deferred Earnings | Input | (3,149) | (7,164) | (806) |
| 4 | Deferred Earnings-End of Year | Sum Lns. (1 - 3) | 90,017 | 206,443 | 20,146 |
| 5 | Average Deferred Earnings | (Ln. 1 + Ln. 4) / 2 | 63,367 | 121,580 | 20,548 |

Schedule 5 (Return on Rate Base)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | Projected <u>2022</u> | Actual <u>2022</u> | Projected <u>2023</u> |
|-----------------|----------------------------|------------------------------------|--------------------------|-----------------------|--------------------------|
| 1 | Equity Rate Base - Average | Sch.3, Ln. 6 * 55% + Sch. 4, Ln. 5 | 2,154,498 | 2,210,347 | 1,953,831 |
| 2 | Debt Rate Base - Average | Sch.3, Ln. 6 * 45% | 1,710,926 | 1,708,991 | 1,581,777 |
| 3 | Total Rate Base - Average | Sum Lns. (1 - 2) | 3,865,424 | 3,919,337 | 3,535,608 |
| 4 | Adjusted Equity Ratio | Ln. 1 / Ln. 3 | 55.7% | 56.4% | 55.3% |
| 5 | Adjusted Debt Ratio | 1 - Ln. 4 | 44.3% | 43.6% | 44.7% |
| 6 | Cost of Equity (Real) | Input | 8.1% | 2.7% | 10.8% |
| 7 | Cost of Debt | Input | 3.9% | 4.3% | 4.7% |
| 8 | Weighted Cost of Capital | Lns. (6 * 4 + 7 * 5) | 6.4% | 3.4% | 8.0% |
| 9 | Total Return on Rate Base | Lns. 3 * 8 | 242,548 | 133,797 | 284,267 |
| 10 | Interest Expense | Lns. - (2 * 7) | (67,388) | (73,074) | (74,230) |
| 11 | Equity Return on Rate Base | Sum Lns. (9 - 10) | 175,161 | 60,723 | 210,037 |

Schedule 6 (Income Tax Allowance)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|---|-------------------------------------|---------------------------|------------------------|---------------------------|
| 1 | Equity Return on Rate Base | Sch. 5, Ln. 11 | 175,161 | 60,723 | 210,037 |
| 2 | Amortization of AEDC | Input | 10,576 | 10,577 | 11,606 |
| 3 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | 3,149 | 7,164 | 806 |
| 4 | Amortization of Over(Under) Funded ADIT | Sch. 7, Ln. 8 | 2 | (139) | (154) |
| 5 | Total Taxable Return | Sum Lns. (1 - 4) | 188,888 | 78,324 | 222,295 |
| 6 | Net to Tax Multiplier | Sch. 7, Ln. 6 / (1 - Sch. 7, Ln. 6) | 37.8% | 37.5% | 37.5% |
| 7 | Tax Allowance | Ln. 4 + Lns. (5 * 6) | 71,362 | 29,252 | 83,261 |

Schedule 7 (ADIT)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|---|-----------------------|---------------------------|------------------------|---------------------------|
| 1 | MACRS Claim | Input | 324,680 | 207,529 | 173,396 |
| 2 | Net Operating Loss (Created) / Utilized | Input | 598,007 | 619,876 | 1,117,416 |
| 3 | Depreciation | Sch. 2, Ln. 4 | 123,985 | 123,476 | 139,617 |
| 4 | AIDC Amortization | Input | 3,872 | 3,872 | 4,245 |
| 5 | Difference | Ln. 1 - Ln. 3 | 794,829 | 700,057 | 1,146,950 |
| 6 | Income Tax Rate | Input | 27.4% | 27.3% | 27.3% |
| 7 | Deferred Income Tax Expense | Ln. 5 * Ln. 6 | 217,942 | 191,015 | 312,952 |
| 8 | Amortization of Over(Under) Funded ADIT | Input | 2 | (139) | (154) |
| 9 | Adjusted Deferred Income Tax Expense | Sum Lns. (7 - 8) | 217,944 | 190,876 | 312,798 |
| 10 | Previous ADIT | Input | 126,226 | 126,226 | 313,279 |
| 11 | Year End ADIT | Sum Lns. (9 - 10) | 344,170 | 317,102 | 626,077 |
| 12 | Average ADIT | Average Lns. 9 and 10 | 235,198 | 221,664 | 469,678 |

Notes

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

Schedule 1 (Inputs)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|-------------------------------------|---------------|---------------------------|------------------------|---------------------------|
| 1 | CPIS Additions | Input, Note 1 | | | 200,086 |
| | <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)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|---|--------------------------|---------------------------|------------------------|---------------------------|
| 1 | Overall Return on Rate Base | Sch. 5, Ln. 9 | | | 11,888 |
| 2 | Income Tax Allowance | Sch. 6, Ln. 7 | | | 3,367 |
| 3 | Operating Expenses Excluding Depreciation | Sch. 1, Sum Lns. (2 - 4) | | | - |
| 4 | Depreciation of Assets | Input | | | 7,414 |
| 5 | Depreciation on AFUDC | Input | | | - |
| 6 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | | | - |
| 7 | Total Revenue Requirement | Sum Lns. (1 - 6) | | | 22,669 |

Schedule 3 (Average Rate Base)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|--------------------------|--------------------|---------------------------|------------------------|---------------------------|
| 1 | CPIS Additions | Input | | | 200,086 |
| 2 | Accumulated Depreciation | Input | | | (11,250) |
| 3 | Net AFUDC | Input | | | - |
| 4 | ADIT | Sch. 7, Ln. - (12) | | | (52,378) |
| 5 | Working Capital | Input | | | - |
| 6 | Average Rate Base | Sum Lns. (1 - 5) | | | 136,458 |

Schedule 4 (Deferred Earnings)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|-----------------------------------|---------------------|---------------------------|------------------------|---------------------------|
| 1 | Deferred Earnings-BOY | Previous Yr, Ln. 4 | | | - |
| 2 | Annual Deferred Earnings | Input | | | - |
| 3 | Amortization of Deferred Earnings | Input | | | - |
| 4 | Deferred Earnings-End of Year | Sum Lns. (1 - 3) | | | - |
| 5 | Average Deferred Earnings | (Ln. 1 + Ln. 4) / 2 | | | - |

Schedule 5 (Return on Rate Base)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|----------------------------|------------------------------------|---------------------------|------------------------|---------------------------|
| 1 | Equity Rate Base - Average | Sch.3, Ln. 6 * 55% + Sch. 4, Ln. 5 | | | 75,052 |
| 2 | Debt Rate Base - Average | Sch.3, Ln. 6 * 45% | | | 61,406 |
| 3 | Total Rate Base - Average | Sum Lns. (1 - 2) | | | 136,458 |
| 4 | Adjusted Equity Ratio | Ln. 1 / Ln. 3 | | | 55.0% |
| 5 | Adjusted Debt Ratio | 1 - Ln. 4 | | | 45.0% |
| 6 | Cost of Equity (Real) | Input | | | 12.0% |
| 7 | Cost of Debt | Input | | | 4.7% |
| 8 | Weighted Cost of Capital | Lns. (6 * 4 + 7 * 5) | | | 8.7% |
| 9 | Total Return on Rate Base | Lns. 3 * 8 | | | 11,888 |
| 10 | Interest Expense | Lns. - (2 * 7) | | | (2,882) |
| 11 | Equity Return on Rate Base | Sum Lns. (9 - 10) | | | 9,006 |

Schedule 6 (Income Tax Allowance)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|---|-------------------------------------|---------------------------|------------------------|---------------------------|
| 1 | Equity Return on Rate Base | Sch. 5, Ln. 11 | | | 9,006 |
| 2 | Amortization of AEDC | Input | | | - |
| 3 | Amortization of Deferred Earnings | Sch. 4, Ln. - (3) | | | - |
| 4 | Amortization of Over(Under) Funded ADIT | Sch. 7, Ln. 8 | | | (9) |
| 5 | Total Taxable Return | Sum Lns. (1 - 4) | | | 8,997 |
| 6 | Net to Tax Multiplier | Sch. 7, Ln. 6 / (1 - Sch. 7, Ln. 6) | | | 37.5% |
| 7 | Tax Allowance | Ln. 4 + Lns. (5 * 6) | | | 3,367 |

Schedule 7 (ADIT)

| <u>Line No.</u> | <u>Description</u> | <u>Source</u> | <u>Projected 2022</u> | <u>Actual 2022</u> | <u>Projected 2023</u> |
|-----------------|---|-----------------------|---------------------------|------------------------|---------------------------|
| 1 | MACRS Claim | Input | | | 9,274 |
| 2 | Net Operating Loss (Created) / Utilized | Input | | | - |
| 3 | Depreciation | Sch. 2, Ln. 4 | | | 7,414 |
| 4 | AIDC Amortization | Input | | | - |
| 5 | Difference | Ln. 1 - Ln. 3 | | | 1,860 |
| 6 | Income Tax Rate | Input | | | 27.3% |
| 7 | Deferred Income Tax Expense | Ln. 5 * Ln. 6 | | | 508 |
| 8 | Amortization of Over(Under) Funded ADIT | Input | | | (9) |
| 9 | Adjusted Deferred Income Tax Expense | Sum Lns. (7 - 8) | | | 498 |
| 10 | Previous ADIT | Input | | | 52,129 |
| 11 | Year End ADIT | Sum Lns. (9 - 10) | | | 52,627 |
| 12 | Average ADIT | Average Lns. 9 and 10 | | | 52,378 |

Notes

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