



ENBRIDGE PIPELINES (NW) INC.

TARIFF APPLYING ON CRUDE PETROLEUM

FROM

**NORMAN WELLS, NORTHWEST TERRITORIES AND A POINT IN THE PROVINCE
OF ALBERTA (PIPELINE KILOMETRE POST 839.2)**

TO

ZAMA, ALBERTA

The tolls listed in this tariff are provisional only and are subject to a calendar year end adjustment based on the Carrier's actual full cost of service during the calendar year and in accordance with the Norman Wells Pipeline Agreement.

The tolls listed in this tariff are for the trunk line transportation of Crude Petroleum by pipeline subject to the Rules and Regulations published in Enbridge Pipelines (NW) Inc.'s Tariff NEB No. 24, and reissues thereof, all of which are specifically incorporated herein.

The tolls listed in this tariff include interim Abandonment Surcharges pursuant to NEB Decision MH-001-2013, Order MO-094-2014 and NEB Decision Letter dated December 28, 2018.

The tolls listed in this tariff are payable in Canadian currency.

ISSUED: November 29, 2021

EFFECTIVE: January 1, 2022

ISSUED BY:

[W] Erin Rolstad Michael Hrynychyshyn
Director, Regulatory Strategy & Compliance
Enbridge Pipelines Inc.
200, 425 – 1st Street S.W.
Calgary, AB T2P 3L8
Canada

COMPILED BY:

Cole Dawson
Regulatory Strategy & Compliance
Enbridge Pipelines Inc.
Tel: (403) 367 2027

TOLLS IN CAD DOLLARS PER CUBIC METRE FOR CRUDE PETROLEUM		
From	To	Crude Petroleum
Kilometre Post 839.2, Alberta	Zama, Alberta	[I] 4.84
Norman Wells, NWT	Zama, Alberta	[I] 145.06

SYMBOLS:

[I] – Increase

[W] – Change in wording only

Enbridge Pipelines (NW) Inc. Breakdown of Transmission Tolls Worksheet Supporting CER Tariff No. 51				
TOLLS IN CAD DOLLARS PER CUBIC METRE Crude Petroleum				
TO	FROM	Toll (\$/m3)		
		Transmission	Abandonment Surcharge*	Total CER No. 51
		(A)	(B)	(C) = A+B
Zama, Alberta	Kilometre Post 839.2, Alberta	4.61	0.23	4.84
	Norman Wells, NWT	138.12	6.94	145.06

* Interim basis as per NEB Letter Dated 28 December 2018

ENBRIDGE PIPELINES (NW) INC.

**Estimate of Full Cost of Service
For Operating Year
2022**

November 2021

ENBRIDGE PIPELINES (NW) INC.
Estimate of Full Cost of Service
for Operating Year
2022

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ENBRIDGE PIPELINES (NW) INC.

Projected Income Statement

The forward period for which the provisional tolls are calculated is the twelve-month period commencing January 1, 2022.

Statement 100 provides a summary of the estimated full cost of service for the operating year 2022 in an income statement format. The estimated full cost of service is the basis for the provisional tolls and has been calculated in accordance with the terms of Article 4, Schedule "A" of the January 1, 1980 Norman Wells Pipeline Agreement, between Imperial Oil Ltd., Interprovincial Pipe Line (NW) Ltd. and Interprovincial Pipe Line Ltd. as amended.

Enbridge Pipelines (NW) Inc.

Projected Income Statement
2022 Operating Year
(\$000)

Line No. (a)	<u>Particulars</u> (b)	<u>Supporting Statement</u> (c)	<u>1st Quarter</u> (d)	<u>2nd Quarter</u> (e)	<u>3rd Quarter</u> (f)	<u>4th Quarter</u> (g)	<u>2022 FCOS Estimate</u> (h)
1	Transportation Revenue						
2	Pipeline transportation ⁽¹⁾		14,160	15,197	15,275	14,970	59,601
3	Amortization of 1985 Shipper Underpayment ⁽²⁾		(3)	(3)	(3)	(4)	(13)
4	Other Revenue		-	-	-	-	-
5	Total		<u>14,157</u>	<u>15,194</u>	<u>15,272</u>	<u>14,966</u>	<u>59,588</u>
6	Operating Expenses	101					
7	Net incentive costs		6,039	6,039	6,039	6,044	24,161
8	Intercompany charges		<u>1,632</u>	<u>1,632</u>	<u>1,632</u>	<u>1,630</u>	<u>6,526</u>
9	Total Operating Expenses		<u>7,671</u>	<u>7,671</u>	<u>7,671</u>	<u>7,674</u>	<u>30,687</u>
10	Depreciation and Amortization	104	<u>4,951</u>	<u>4,951</u>	<u>4,951</u>	<u>4,952</u>	<u>19,805</u>
11	Operating Income		1,535	2,572	2,650	2,340	9,096
12	Less: Interest expense	102.3	210	210	210	207	837
13	Provision for income taxes	103	<u>352</u>	<u>628</u>	<u>649</u>	<u>567</u>	<u>2,196</u>
14	Equity Return	102	<u>973</u>	<u>1,734</u>	<u>1,791</u>	<u>1,566</u>	<u>6,063</u>

(1) Pipeline transportation revenue is equal to the estimated full cost of service

(2) Amortization has been extended due to the new Agreement term of Dec 31, 2030

ENBRIDGE PIPELINES (NW) INC.**Operating Expenses**

Statement 101 is a schedule of estimated operating expenses for the 2022 operating year. The forecast incentive costs of \$24.2 million exclude intercompany charges of \$6.5 million.

Enbridge Pipelines (NW) Inc.

Operating Expenses Budget
2022 Operating Year
(\$000)

Salaries and Wages	1,566
Employee Benefits	987
Other Employee Cost	291
Operating Fuel and Power	1,054
Materials and Supplies	213
Property Tax	2,570
Outside Service Purchased	13,390
Rent	3,799
Other Operating Expenses	291
Gross Operating Expenses	24,161

Enbridge Pipelines (NW) Inc.

Operating Expenses
2022 Operating Year
(\$000)

Line		2021 EFCOS	Inflation	2022 Budget
<u>No.</u>	<u>Particulars</u>	<u>Total</u>	<u>Forecast</u> ⁽²⁾	<u>Total</u>
(a)	(b)	(c)	(d)	(e)
	Incentive Costs			
1	Forecast Incentive Costs ⁽¹⁾	23,618	2.3%	24,161
2	Less: Capitalized Charges			-
3	Net Incentive Costs			24,161
4	Intercompany Charges			6,526
5	Total Operating Expenses			30,687

(1) Calculated pursuant to the incentive cost methodology outlined in Schedule A, Section 4.1.1 (a)(ii)(C) of the Norman Wells Pipeline Agreement, as amended, and incorporates the negotiated forecast incentive cost for 2019 as the starting point.

(2) As published by Consensus Economics Inc. August 2021 in accordance with Section 4.1.1 (a)(iii) of Schedule A of the Norman Wells Pipeline Agreement, as amended.

ENBRIDGE PIPELINES (NW) INC.**Return on Rate Base**

Statement 102 outlines the forecast return on rate base for 2022. In accordance with Article 1.1 of the Norman Wells Pipeline Agreement as amended, the capital structure for the Enbridge (NW) pipeline system is based on a deemed equity component of 50% with the remaining 50% capital financed by debt (long term debt and (pre or un) funded debt) and future income taxes. The sum of these components as shown on Statement 102 Line 5, Column (c) equals the sum of rate base plus construction work in progress ("CWIP"). The forecast 13-point average for CWIP of \$10.0 million is outlined in **Statement 102.1**.

Since outstanding long-term debt was retired by the end of 1999 and future income taxes are less than 50% of the total capital required, the short fall is made up with unfunded debt, as shown on Statement 102, Line 3, Column (c).

The forecast return on equity of \$6.1 million is based on the 2022 estimated multi-pipeline rate of return of 7.02%, based on the current methodology to calculate Return on Equity, as described in Section 4.6 of Schedule A to the Norman Wells Pipeline Agreement as amended. **Statement 102**, Line 1 details the calculation of the equity return. As indicated on **Statement 102.2**, no long-term debt issues are anticipated. The deemed short-term rate for unfunded debt is forecast to be 0.85%. This rate is composed of Enbridge (NW)'s projection of 0.60% for the average one month's Banker's Acceptance Rate (BA) for 2022 plus a margin of 25 basis points pursuant to Section 7.2.1 (v), of the Norman Wells Pipeline Agreement as amended. Future income taxes are included in the capital structure at no cost.

Statement 102.3 shows the calculation of the forecast total interest expense for 2022 in accordance with the definition of Capital Structure as set out in Article 1.1 of the Norman Wells Pipeline Agreement as amended. Total interest expense is the sum of deemed interest expense, amortization of debt discount & issue expense and the amortization of the debt redemption premium.

Enbridge Pipelines (NW) Inc.
Summary of 2022 Estimated Return on Rate Base
(\$000, unless otherwise indicated)

Line No.	Description	Avg Balance	Capital Ratio	Cost Rate	Wtd Cost	Rate Base ⁽¹⁾	Return
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
					(d x e)		(f x g)
1	Equity	91,345	50.00%	7.02% ⁽²⁾	3.51%	172,728	6,063
2	Long Term Debt	-	0.00%	0.00% ⁽³⁾	0.00%	172,728	-
3	(Pre) Unfunded Debt	101,330	55.47%	0.85% ⁽⁴⁾	0.47%	172,728	812
4	Future Income Taxes ⁽⁵⁾	<u>(9,984)</u>	<u>-5.47%</u>	0.00%	<u>0.00%</u>	172,728	<u>-</u>
5	Total Capital Required ⁽⁶⁾	<u>182,691</u>	<u>100.00%</u>		<u>3.98%</u>		<u>6,875</u>

Notes:⁽¹⁾ Statement 105 - Line 14⁽²⁾ 2022 multi-pipeline rate of return on equity⁽³⁾ Statement 102.2⁽⁴⁾ Bankers' Acceptance Rate plus Margin of 25 basis points⁽⁵⁾ Statement 103 - Line 32⁽⁶⁾ Rate Base plus estimate for Average Construction Work in Progress:

Rate Base (Statement 105 - Line 14)

172,728

Average CWIP Balance (Statement 102.1 - Line 14)

9,963

Total Capital Required (Line 11 + Line 12)

182,691

ENBRIDGE PIPELINES (NW) INC.2022 Estimated Construction Work in Progress (CWIP)
13-Point Average
(\$000)

<u>Line No.</u>	<u>Date</u>	<u>Monthly Expenditures</u>	<u>Month-end Clearances</u>	<u>Month-end Balance</u>
(a)	(b)	(c)	(d)	(e)
1	Jan-01		-	437
2	Jan-31	905	(20)	1,323
3	Feb-28	9,661	(20)	10,964
4	Mar-31	6,228	(20)	17,171
5	Apr-30	1,090	(20)	18,242
6	May-31	1,097	(20)	19,318
7	Jun-30	1,007	(14,274)	6,051
8	Jul-31	1,238	(20)	7,269
9	Aug-31	1,246	(20)	8,495
10	Sep-30	1,255	(20)	9,730
11	Oct-31	1,263	(20)	10,972
12	Nov-30	1,271	(20)	12,223
13	Dec-31	1,241	(6,142)	7,322
14	13-point average			<u>9,963</u>

Enbridge Pipelines (NW) Inc.

Weighted Average Cost of Debt
2022 Operating Year

All long term debt was retired in 1999.

Enbridge Pipelines (NW) Inc.
Total Estimated Interest Expense
2022 Operating Year
(\$000)

Line No.	Description				
1	<u>Deemed Interest Expense</u>				
2	Deemed Long Term Debt			-	
3	Unfunded Debt			812	
4	Total Deemed Interest Expense ⁽¹⁾			812	812
5	<u>Amortization of Discount & Expense</u>				
		<u>January 1</u>	<u>December 31</u>	<u>Amortization</u>	
6	Unamortized Discount & Expense				
7	Series A	-	-	-	
8	Series B	-	-	-	
9	Series C	-	-	-	
10	Total Unamortized Discount & Expense	-	-	-	-
11	<u>Amortization of 1996 Debt Redemption Premium and Costs ⁽²⁾</u>	<u>Balance</u>	<u>Balance</u>		
		<u>January 1</u>	<u>December 31</u>	<u>Amortization</u>	
12	Unamortized Discount & Expense				
13	Series A	95	84	11	
14	Series B	86	76	10	
15	Total	180	160	20	
16	<u>Amortization of 1999 Debt Redemption Premium and Costs ⁽²⁾</u>	<u>Balance</u>	<u>Balance</u>		
		<u>January 1</u>	<u>December 31</u>	<u>Amortization</u>	
17	Redemption Premium				
18	Series A - April 1	24	22	3	
19	Series B - November 15	14	12	2	
20	Total	38	34	5	
21	Total Unamortized Redemption Premium & Costs (Line 15 + Line 20)	218	194	25	25
22	Total Interest Expense (Line 4 + Line 10 + Line 21 + Line 22)				837

Notes:⁽¹⁾ Statement 102 - Line 3⁽²⁾ Amortization has been extended due to the extension of the NW Agreement to Dec. 31, 2030

ENBRIDGE PIPELINES (NW) INC.**Provision for Income Taxes and Future Income Tax Balances**

Statement 103 details the provision for income taxes and future income taxes for the operating year as well as the opening, closing and average future income tax balances for 2022. Pursuant to the Norman Wells Pipeline Agreement as amended, Schedule A, Article 4.4, amounts charged to Account 413, Provision for Income Taxes inclusive of future income taxes, are recoverable through provisional tolls. The average future income tax balance for 2022 (Line 32) is used in the determination of Return on Rate Base in Statement 102.

The provision for depreciation on the allowance for equity funds used during construction, on Line 4 of Statement 103 that relates to the balance of allowance for equity funds recorded in the assets at January 1, 2000, follows an amortized schedule through to 2030¹, the expiry of the Norman Wells Pipeline Agreement as amended, Article 2.1.

The provision for income taxes is on Line 12 of **Statement 103**. The provision was calculated using an income tax rate expected to be approximately 26.3%, which is based on current federal and provincial income tax rates in effect for 2022. The estimated 2022 distribution of taxable income is based on the relative kilometres of pipe, in addition to salaries and wages of employees residing in Alberta and the Northwest Territories, as specified in Regulation 411 of the Income Tax Act. **Statement 103.1** illustrates the derivation of the income tax rate. The provision for future income taxes on Line 28 of Statement 103 is calculated at the expected future tax rate of approximately 26.3%.

The timing difference for the amortized debt redemption premiums and costs (Line 26 of Statement 103) follows an amortization schedule through to 2030, the expiry of the Norman Wells Pipeline Agreement as amended, Article 2.1.

¹ The Enbridge Pipelines (NW) Inc. Agreement term has been extended to December 31, 2030.

ENBRIDGE PIPELINES (NW) INC.
 2022 Operating Year
 Provision for Income Taxes and Future Income Tax Balances
 (\$000)

Line No. (a)	Particulars (b)		
1	PROVISION FOR INCOME TAXES		
2	Return Related to Equity (Statement 102 - Line 1)		6,063
3	Adjustments for Permanent Differences:		
4	Depreciation on AEDC		91
5	Depreciation on Land Rights (Statement 104 - Line 1)		9
6	Differential on Future Income Tax Between Current and Future Income Tax Rates		1
7	Meals & Entertainment (50%)		-
8	Income Tax Base		<u>6,164</u>
9	Provision for Income Taxes:		
10	2022 Statutory Corporate Income Tax rate (Statement 103.1 - Line 8)	26.2618%	
11	Gross-up factor (current tax rate / (1 - current tax rate))		35.6150%
12	Provision for Income Taxes (Line 8 X 0.262618 / (1 - 0.262618))		2,195
13	Difference in FIT rate and current rate		1
14	Total Provision for Income Taxes		<u>2,196</u>
15	FUTURE INCOME TAX BALANCES		
16	Provision for Future Income Taxes		
17	Estimated Gross Depreciation (Statement 104 - Line 53)		19,805
18	Less: Depreciation on AEDC (Line 4)		(91)
19	Depreciation on Land Rights (Line 5)		<u>(9)</u>
20	Estimated Net Depreciation		19,705
21	Amortization of Shipper Underpayment		13
22	Capital Cost Allowance		(17,320)
23	Capitalized G&A Deduction		(1,367)
24	Allowance for Interest During Construction		(189)
25	Leak Accrual		-
26	Amortization of Debt Redemption Premiums and Costs (Statement 102.3 - Line 21)		<u>25</u>
27	Net Timing Differences		868
28	Current Tax Rate for Future Income Tax accumulation (Line 10)		<u>26.2618%</u>
29	Provision for Future Income Taxes		228
30	Opening Future Income Tax Balance		<u>9,870</u>
31	Closing Future Income Tax Balance (Line 29 + Line 30)		<u>10,098</u>
32	Average Future Tax Balance ((Line 30 + Line 31) / 2)		<u>9,984</u>
33	INCOME TAX PROVISION		
34	Provision for Income Taxes		2,196
35	Add: Provision for Future Income Taxes		<u>228</u>
36	Income Taxes Payable (Line 34 + Line 35)		<u>2,424</u>

Enbridge Pipelines (NW) Inc.
Determination of the Statutory Corporate Income Tax Rate
2022 Operating Year

Line No.	Particulars				Statutory Income Tax Rate
1	Federal tax provision				15.0000%
2	Provincial taxes	Rate	X Allocator ⁽¹⁾	Effective = Rate	
3	Alberta	8.00%	6.8045%	0.5444%	
4	Northwest Territories	11.50%	93.1955%	10.7175%	
5			<u>100.0000%</u>	<u>11.2618%</u>	
6					11.2618%
7	Federal Surtax				<u>0.0000%</u>
8	2022 Statutory Corporate Income Tax rate				<u><u>26.2618%</u></u>

⁽¹⁾ Based on the relative percentages of kilometers of pipe and the proportion of taxable income for salaries and wages of employees residing in the provinces of Alberta and the Northwest Territories.

ENBRIDGE PIPELINES (NW) INC.**Provision for Depreciation**

Statement 104 details the calculation of depreciation expense through the asset account sub-classes. The depreciation rates are effective January 1, 2022 according to the terms of depreciation expense under Schedule "A", Section 4.2, of the Norman Wells Pipeline Agreement as amended, for the major pipeline accounts 152 through 186. Depreciation rates have been adjusted to reflect rates that would be required to effectively amortize the undepreciated plant balance of each account by the end of the term of this agreement (December 31, 2030). **Statement 104.1** provides a comparison of the impact of the change in depreciation rates. Forecast depreciation expense is \$19.8 million.

Plant additions for 2022 are estimated to be \$20.6 million as provided below.

Project Name	Estimated Plant Additions 2022 (\$000)
2022 Norman Wells Digs	14,254
Wrigley & Zama Tanks Replacement	6,122
Little Smith Meander	242
Total Estimated Plant Additions	20,618

ENBRIDGE PIPELINES (NW) INC.

Provision for Depreciation
2022 Operating Year
(\$000)

Line No.	Account Number	Plant Code	Depr. Rate	Plant Bal 1/2022	Additions			Retirements			Total Provision	
					Prov. on Opening Balance	Plant Additions	Number of Months	Prov. on Additions	Plant Retirements	Number of Months		Over Prov. on Retirements
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
Account 30 - Transportation Plant												
1	152-0	152000	0.60%	1,569	9	-	-	-	-	-	-	9
2	153-0	153000	0.37%	46,253	170	-	-	-	-	-	-	170
3	153-A	153A00	0.41%	1,262	5	-	-	-	-	-	-	5
4	153-B	153B00	0.17%	249,586	435	-	-	-	-	-	-	435
5	153-C	153C00	1.00%	1,548	15	-	-	-	-	-	-	15
6	153-C49	153C49	5.49%	8,148	447	-	-	-	-	-	-	447
7	153-D	153D00	1.36%	878	12	-	-	-	-	-	-	12
8	153-D49	153D49	2.52%	6,415	162	-	-	-	-	-	-	162
9	153-E	153E00	0.94%	2,219	21	-	-	-	-	-	-	21
10	153-E49	153E49	6.96%	243,347	15,882	20,618	7	1,047	-	-	-	16,929
11	156-B	156B00	0.26%	13,316	34	-	-	-	-	-	-	34
12	156-C	156C00	0.81%	3,948	32	-	-	-	-	-	-	32
13	156-D	156D00	1.00%	1,386	14	-	-	-	-	-	-	14
14	156-E	156E00	0.68%	741	5	-	-	-	-	-	-	5
15	156-H	156H00	0.68%	398	3	-	-	-	-	-	-	3
16	156-H06	156H06	4.51%	577	26	-	-	-	-	-	-	26
17	158-A	158A00	0.28%	7,154	20	-	-	-	-	-	-	20
18	158-A07	158A07	2.11%	5,420	114	-	-	-	-	-	-	114
19	159-A	159A00	0.38%	3,289	12	-	-	-	-	-	-	12
20	159-B	159B00	0.78%	48	-	-	-	-	-	-	-	-
21	159-B	159B07	2.25%	44	1	-	-	-	-	-	-	1
22	159-C	159C00	1.13%	245	3	-	-	-	-	-	-	3
23	159-C07	159C07	4.16%	3,959	165	-	-	-	-	-	-	165
24	160-A	160A00	0.84%	253	2	-	-	-	-	-	-	2
25	160-C	160C00	2.25%	40,285	905	-	-	-	-	-	-	905
26	160-C45	160C45	1.27%	967	12	-	-	-	-	-	-	12
27	160-C65(2)	160C65	0.00%	-	-	-	-	-	-	-	-	-
28	160-D	160D00	2.95%	1,127	33	-	-	-	-	-	-	33
29	160-E	160E00	1.50%	455	7	-	-	-	-	-	-	7
30	163-A	163A00	1.33%	1,425	19	-	-	-	-	-	-	19
31	184-A	184A00	0.86%	236	2	-	-	-	-	-	-	2
32	184-B(2)	184B00	0.00%	-	-	-	-	-	-	-	-	-
33	184-C(2)	184C00	0.00%	9	-	-	-	-	-	-	-	-
34	184-C45	184C45	8.05%	11	1	-	-	-	-	-	-	1
35	184-C52	184C52	4.41%	6	-	-	-	-	-	-	-	-
36	184-C55	184C55	2.10%	26	1	-	-	-	-	-	-	1
37	184-D(2)	184D00	0.00%	-	-	-	-	-	-	-	-	-
38	184-D	184D09	1.10%	35	-	-	-	-	-	-	-	-
39	185-A(2)	185A00	0.00%	-	-	-	-	-	-	-	-	-
40	185-D	185D00	0.00%	3,774	-	-	-	-	-	-	-	-
41	185-E	185E00	0.00%	51	-	-	-	-	-	-	-	-
42	185-F	185F00	1.53%	1,557	24	-	-	-	-	-	-	24
43	185-G	185G00	2.11%	2,122	45	-	-	-	-	-	-	45
44	185-I	185I00	0.00%	652	-	-	-	-	-	-	-	-
45	185-J	185J00	76.24%	-	-	-	-	-	-	-	-	-
46	185-S	185S00	0.74%	1,567	12	-	-	-	-	-	-	12
47	186-0(2)	186000	0.00%	-	-	-	-	-	-	-	-	-
48	186-A	186A00	0.00%	50	-	-	-	-	-	-	-	-
49	186-A01(2)	186A01	0.00%	-	-	-	-	-	-	-	-	-
50	186-B45	186B45	0.64%	19	-	-	-	-	-	-	-	-
51	186-B55	186B55	4.03%	2,704	109	-	-	-	-	-	-	109
52	190-0(2)	190000	0.00%	-	-	-	-	-	-	-	-	-
53	Total(1)			659,085	18,759	20,618		1,047	-	-	-	19,805
54	Land			134								
55	Total			659,219								

⁽¹⁾ Excludes cost of Land

⁽²⁾ Original assets have been fully depreciated, therefore, depreciation is on new additions.

ENBRIDGE PIPELINES (NW) INC.

Comparison of Depreciation Rate Changes
2022 Operating Year
(\$000)

Line No.	Account Number	Plant Code	Prior Depreciation Rate	Depreciation At Prior Rates	New Depreciation Rate	Depreciation for 2022
(a)	(b)	(c)	(d)	(e)	(f)	(g)
<u>Account 30 - Transportation Plant</u>						
1	152-0	152000	0.76%	12	0.60%	9
2	153-0	153000	0.53%	245	0.37%	170
3	153-A	153A00	0.57%	7	0.41%	5
4	153-B	153B00	0.34%	849	0.17%	435
5	153-C	153C00	1.15%	18	1.00%	15
6	153-C49	153C49	5.54%	451	5.49%	447
7	153-D	153D00	1.50%	13	1.36%	12
8	153-D49	153D49	2.65%	170	2.52%	162
9	153-E	153E00	1.09%	24	0.94%	21
10	153-E49	153E49	6.94%	17,760	6.96%	16,929
11	156-B	156B00	0.42%	56	0.26%	34
12	156-C	156C00	0.96%	38	0.81%	32
13	156-D	156D00	1.15%	16	1.00%	14
14	156-E	156E00	0.83%	6	0.68%	5
15	156-H	156H00	0.83%	3	0.68%	3
16	156-H06	156H06	4.61%	27	4.51%	26
17	158-A	158A00	0.45%	32	0.28%	20
18	158-A07	158A07	4.48%	243	2.11%	114
19	159-A	159A00	0.54%	18	0.38%	12
20	159-B	159B00	3.32%	2	0.78%	-
21	159-B	159B07	3.32%	1	2.25%	1
22	159-C	159C00	1.28%	3	1.13%	3
23	159-C07	159C07	4.26%	169	4.16%	165
24	160-A	160A00	0.99%	3	0.84%	2
25	160-C	160C00	2.38%	959	2.25%	905
26	160-C45	160C45	1.42%	14	1.27%	12
27	160-C65	160C65	0.00%	-	0.00%	-
28	160-D	160D00	3.07%	35	2.95%	33
29	160-E	160E00	1.64%	7	1.50%	7
30	163-A	163A00	1.51%	22	1.33%	19
31	184-A	184A00	1.01%	2	0.86%	2
32	184-B	184B00	0.00%	-	0.00%	-
33	184-C	184C00	0.00%	-	0.00%	-
34	184-C45	184C45	8.09%	1	8.05%	1
35	184-C52	184C52	4.50%	-	4.41%	-
36	184-C55	184C55	2.24%	1	2.10%	1
37	184-D	184D00	1.25%	-	0.00%	-
38	184-D	184D09	1.25%	-	1.10%	-
39	185-A	185A00	0.00%	-	0.00%	-
40	185-D	185D00	0.05%	2	0.00%	-
41	185-E	185E00	0.00%	-	0.00%	-
42	185-F	185F00	1.67%	26	1.53%	24
43	185-G	185G00	2.25%	48	2.11%	45
44	185-I	185I00	0.00%	-	0.00%	-
45	185-J	185J00	75.23%	-	76.24%	-
46	185-S	185S00	0.89%	14	0.74%	12
47	186-0	186000	0.00%	-	0.00%	-
48	186-A	186A00	0.00%	-	0.00%	-
49	186-A01	186A01	0.00%	-	0.00%	-
50	186-B45	186B45	0.80%	-	0.64%	-
51	186-B55	186B55	4.13%	112	4.03%	109
52	190-0	190000	0.00%	-	0.00%	-
53	Total			21,407		19,805

ENBRIDGE PIPELINES (NW) INC.

Rate Base

The Enbridge (NW) pipeline system rate base, itemized in **Statement 105**, is forecast to be \$172.7 million for the 2022 Operating Year.

The primary component of the rate base is the simple average of the opening and closing balances of the net book value of the Enbridge (NW) pipeline system. The two schedules following Statement 105 summarize the opening and closing positions of Transportation Plant (**Statement 105.1**) and Accumulated Depreciation (**Statement 105.2**), pursuant to Schedule "F" of the Norman Wells Pipeline Agreement as amended.

Enbridge Pipelines (NW) Inc.
Determination of Rate Base
2022 Operating Year
(\$000)

Line No.	Particulars	January 1	December 31	Average
(a)	(b)	(c)	(d)	(e) = [(c) + (d)]/2
1	Net Book Value			
2	Transportation Plant in Service ⁽¹⁾	659,219	679,837	669,528
3	Less: Accumulated Depreciation ⁽²⁾	(490,296)	(510,096)	(500,196)
4	NBV Balance (Line 2 + Line 3)	168,923	169,741	169,332
5	<u>Other Rate Base Items</u>			
6	Equity Portion of Unamort. Shipper Underpayment	115	102	108
7	Inventory ⁽⁵⁾	297	753	525
8	Unamortized Debt Redemption Costs ⁽³⁾	218	194	206
9	Unamortized Debt Issuance Costs	-	-	-
10	Total Other Rate Base Items	630	1,049	839
11	Working Capital Allowance			
12	Operating Expenses ⁽⁴⁾	30,687		
13	(1/12 x Line 12)			2,557
14	Total Rate Base (Line 4 + Line 10 + Line 13)			172,728

Notes:⁽¹⁾ Statement 105.1 - Line 54⁽²⁾ Statement 105.2 - Line 54⁽³⁾ Statement 102.3 - Line 21⁽⁴⁾ Statement 101 - Line 5⁽⁵⁾ Inventory ending balance based on September 31, 2021 actuals

ENBRIDGE PIPELINES (NW) INC.

Transportation Plant
2022 Operating Year
(\$000)

Line No.	Account Number	Plant Code	Balance Beginning of Period	Additions	Transfers	Retirements	Balance End of Period ⁽¹⁾
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	151-0	151000	134				134
2	152-0	152000	1,569	-			1,569
3	153-0	153000	46,253	-			46,253
4	153-A	153A00	1,262	-			1,262
5	153-B	153B00	249,586	-			249,586
6	153-C	153C00	1,548	-			1,548
7	153-C49	153C49	8,148	-			8,148
8	153-D	153D00	878	-			878
9	153-D49	153D49	6,415	-			6,415
10	153-E	153E00	2,219	-			2,219
11	153-E49	153E49	243,347	20,618			263,965
12	156-B	156B00	13,316	-			13,316
13	156-C	156C00	3,948	-			3,948
14	156-D	156D00	1,386	-			1,386
15	156-E	156E00	741	-			741
16	156-H	156H00	398	-			398
17	156-H06	156H06	577	-			577
18	158-A	158A00	7,154	-			7,154
19	158-A07	158A07	5,420	-			5,420
20	159-A	159A00	3,289	-			3,289
21	159-B	159B00	48	-			48
22	159-B	159B07	44	-			44
23	159-C	159C00	245	-			245
24	159-C07	159C07	3,959	-			3,959
25	160-A	160A00	253	-			253
26	160-C	160C00	40,285	-			40,285
27	160-C45	160C45	967	-			967
28	160-C65	160C65	-	-			-
29	160-D	160D00	1,127	-			1,127
30	160-E	160E00	455	-			455
31	163-A	163A00	1,425	-			1,425
32	184-A	184A00	236	-			236
33	184-B	184B00	-	-			-
34	184-C	184C00	9	-			9
35	184-C45	184C45	11	-			11
36	184-C52	184C52	6	-			6
37	184-C55	184C55	26	-			26
38	184-D00	184D00	-	-			-
39	184-D09	184D09	35	-			35
40	185-A	185A00	-	-			-
41	185-D	185D00	3,774	-			3,774
42	185-E	185E00	51	-			51
43	185-F	185F00	1,557	-			1,557
44	185-G	185G00	2,122	-			2,122
45	185-I	185I00	652	-			652
46	185-J	185J00	-	-			-
47	185-S	185S00	1,567	-			1,567
48	186-0	186000	-	-			-
49	186-A	186A00	50	-			50
50	186-A01	186A01	-	-			-
51	186-B45	186B45	19	-			19
52	186-B55	186B55	2,704	-			2,704
53	190-0	190000	-	-			-
54	Total		<u>659,219</u>	<u>20,618</u>	<u>-</u>	<u>-</u>	<u>679,837</u>

55 Average Transportation Plant in Service
(Line 55: [Col (d) + Col (h)] ÷ 2)

669,528

⁽¹⁾ Assumes asset fully depreciated by Dec. 31, 2030

ENBRIDGE PIPELINES (NW) INC.

Transportation Plant - Accumulated Depreciation
2022 Operating Year
(\$000)

Line No.	Account Number	Plant Code	Balance Beginning of Period	Additions	Transfers	Retirements	Balance End of Period ⁽¹⁾
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	151-0	151000	-	-	-	-	-
2	152-0	152000	1,483	9	-	-	1,493
3	153-0	153000	44,723	170	-	-	44,893
4	153-A	153A00	1,215	5	-	-	1,221
5	153-B	153B00	245,671	435	-	-	246,106
6	153-C	153C00	1,409	15	-	-	1,425
7	153-C49	153C49	4,120	447	-	-	4,568
8	153-D	153D00	771	12	-	-	783
9	153-D49	153D49	4,961	162	-	-	5,122
10	153-E	153E00	2,031	21	-	-	2,052
11	153-E49	153E49	100,413	16,929	-	-	117,342
12	156-B	156B00	13,009	34	-	-	13,043
13	156-C	156C00	3,662	32	-	-	3,694
14	156-D	156D00	1,261	14	-	-	1,275
15	156-E	156E00	696	5	-	-	701
16	156-H	156H00	373	3	-	-	376
17	156-H06	156H06	343	26	-	-	369
18	158-A	158A00	6,970	20	-	-	6,991
19	158-A07	158A07	4,392	114	-	-	4,506
20	159-A	159A00	3,177	12	-	-	3,190
21	159-B	159B00	45	-	-	-	45
22	159-B	159B07	35	1	-	-	36
23	159-C	159C00	220	3	-	-	223
24	159-C07	159C07	2,478	165	-	-	2,642
25	160-A	160A00	234	2	-	-	236
26	160-C	160C00	32,140	905	-	-	33,045
27	160-C45	160C45	856	12	-	-	868
28	160-C65	160C65	-	-	-	-	-
29	160-D	160D00	828	33	-	-	861
30	160-E	160E00	394	7	-	-	401
31	163-A	163A00	1,254	19	-	-	1,273
32	184-A	184A00	218	2	-	-	220
33	184-B	184B00	-	-	-	-	-
34	184-C	184C00	9	-	-	-	9
35	184-C45	184C45	3	1	-	-	4
36	184-C52	184C52	4	-	-	-	4
37	184-C55	184C55	21	1	-	-	22
38	184-D	184D00	-	-	-	-	-
39	184-D	184D09	32	-	-	-	32
40	185-A	185A00	-	-	-	-	-
41	185-D	185D00	3,773	-	-	-	3,773
42	185-E	185E00	52	-	-	-	52
43	185-F	185F00	1,343	24	-	-	1,367
44	185-G	185G00	1,719	45	-	-	1,764
45	185-I	185I00	659	-	-	-	659
46	185-J	185J00	42	-	-	-	36
47	185-S	185S00	1,463	12	-	-	1,475
48	186-0	186000	-	-	-	-	-
49	186-A	186A00	50	-	-	-	50
50	186-A01	186A01	-	-	-	-	-
51	186-B45	186B45	18	-	-	-	18
52	186-B55	186B55	1,724	109	-	-	1,833
53	190-0	190000	-	-	-	-	-
54	Total		490,296	19,805	-	-	510,096

55 Average Accumulated Depreciation 500,196
(Line 55: [Col (d) + Col (h)] ÷ 2)

⁽¹⁾ Assumes asset fully depreciated by Dec. 31, 2030

ENBRIDGE PIPELINES (NW) INC.**2022 Provisional Tolls and Tariffs**

Statement 106 illustrates the determination of the provisional tolls as approved by the NEB Board Order AO-1-TO-2-81. The estimated deliveries are based on information received from the shippers noted below.

	<u>Cubic Metres</u>
<i>Norman Wells to Zama</i>	
Imperial Oil Resources	<u>429,664</u>
Total Injections at NW, NWT	<u>429,664</u>
<i>km Post 839.2 to Zama</i>	
Alberta Petroleum Marketing Commission	-
Tidal Energy Marketing	<u>55,845</u>
Total Injections at KP839.2	<u>55,845</u>
Total Deliveries to Zama	<u>485,509</u>

Statement 106.1 provides the details of the 2022 estimated deliveries by quarter.

The calculation of the 2022 provisional toll is based upon an annual unit transportation rate per cubic metre kilometre. For each receipt location the unit transportation rate multiplied by the distance from that receipt point to Zama is the provisional toll for the movement.

Tariff Applying on Crude Petroleum, CER No. 51, revises the existing tariff, CER No. 50. The changes relate to transportation tolls only and not to abandonment surcharges.

Enbridge Pipelines (NW) Inc.

**Determination of Provisional Tolls
2022 Operating Year**

Line No.	Particulars	Norman Wells to Zama	KP 839.2 to Zama	Total
(a)	(b)	(c)	(d)	(e)
1	Estimated total deliveries (m ³) ⁽¹⁾	429,664	55,845	485,509
2	Distance Shipped (km)	868	29	
3	Volume x Distance (000 m ³ km)	372,948	1,620	374,568
4	Estimated Full Cost of Service (\$000) ⁽²⁾		\$	59,601
5	Unit Transportation Rate (\$/m ³ km)		\$	0.159119
6	Provisional Tolls (\$/m³)	\$ 138.12	\$ 4.61	

Notes:⁽¹⁾ Statement 106.1 - Line 9⁽²⁾ Statement 100 - Line 2

Enbridge Pipelines (NW) Inc.Deliveries by Quarter
2022 Operating Year

Line No. (a)	Particulars (b)	1st Quarter (c)	2nd Quarter (d)	3rd Quarter (e)	4th Quarter (f)	Total Year (g)
1	Average daily deliveries (m ³ /day)					
2	Norman Wells to Zama	1,134	1,204	1,197	1,173	1,177
3	km Post 839.2 to Zama	153	153	153	153	153
4	Total	1,287	1,357	1,350	1,326	1,330
5	Number of Days in Period	90	91	92	92	365
6	Estimated total deliveries (m ³)					
7	Norman Wells to Zama	102,060	109,564	110,124	107,916	429,664
8	km Post 839.2 to Zama	13,770	13,923	14,076	14,076	55,845
9	Total	115,830	123,487	124,200	121,992	485,509

ENBRIDGE PIPELINES (NW) INC.

Minimum Bill for Imperial Oil Resources
2022 Operating Year
(\$000)

<u>Line No.</u>	<u>Particulars</u>	<u>2022 Year Total</u>
1	Operating expenses ⁽¹⁾	30,687
2	Depreciation ^{(2) (3)}	11,259
3	Income taxes payable ⁽⁴⁾	2,424
4	Cost of Debt ⁽⁵⁾	<u>837</u>
5	Total Minimum Bill	<u>45,207</u>
6	Monthly Minimum Bill (Line 5/12)	<u>3,767</u>

Notes:

⁽¹⁾ Statement 101 - Line 5

⁽²⁾ Statement 102 - Line 3 Average balance for Unfunded Debt \$101,330

⁽³⁾ As there is no Original Debt outstanding in 2022, the Depreciation for minimum bill purposes consists of the amortization of debt incurred by Enbridge (NW) for its regulated operations relating to the Pipeline System from January 1, 2021 to December 31, 2030 as per Schedule C, Section 3.4(C) of the Norman Wells Pipeline Agreement, as amended.

⁽⁴⁾ Statement 103 - Line 36

⁽⁵⁾ Statement 102.3 - Line 22