



**Supply and Disposition of Crude Oil and Equivalent**  
Unit = cubic metres (m<sup>3</sup>)

OIL', 'CRUDEBIT', 'COND', 'SYNCRD'  
'IC5-SP', 'NC5-SP', 'C5-SP', 'C6-SP'

Run Date:

See *Manual 011: How to Submit Volumetric Data to the AER* for definitions of the codes used below.

Year To Date

**SUPPLY**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year To Date	
Opening Inventory	FROM Volumetric Summary Activity Table												INVOP	Year to date opening inventory is from the most current month reporting
<b>Production</b>														
<b>Crude Oil Production</b>														
Crude Oil Light	FROM Volumetric Reporting Activity Table												ACTIVITY=PROD, FLUID=OIL, Oil Density between 0 and 849.999999	
Crude Oil Medium	FROM Volumetric Reporting Activity Table												ACTIVITY=PROD, FLUID=OIL, Oil Density between 850 and 899.999999	
Crude Oil Heavy	FROM Volumetric Reporting Activity Table												ACTIVITY=PROD, FLUID=OIL, Oil Density between 900 and 924.999999	
Crude Oil Ultra-Heavy	FROM Volumetric Reporting Activity Table												ACTIVITY=PROD, FLUID=OIL, Oil Density >= 925	
Total Crude Oil Production	CALCULATED: SUM of Conventional Oil Production													
<b>Condensate Production</b>														
Condensate Production	FROM Volumetric Reporting Activity Table												ACTIVITY=PROD, FLUID= COND	
<b>Oil Sands Production</b>														
<b>Nonupgraded</b>														
In Situ Production	FROM Volumetric Reporting Activity Table												ACTIVITY=PROD, FLUID=OIL, DEPOSIT_ID not null	
Mined Production	FROM Volumetric Reporting Activity Table												ACTIVITY=PROD, FLUID=CRUDEBIT	
Sent for Further Processing	FROM Volumetric Reporting Activity Table												ACTIVITY=FURPROC, FLUID=CRUDEBIT (set as negative)	
Nonupgraded Total	CALCULATED: SUM of Non-Upgraded Production													
Upgraded Production	FROM Volumetric Reporting Activity Table												ACTIVITY=PROD, FLUID= SYNCRD SUBTRACT ACTIVITY = FURPROC, FLUID= SYNCRD	
Total Oil Sands Production	CALCULATED: SUM of Non-Upgraded Production Total and Upgraded Production													
<b>Total Production</b>														
Total Production	CALCULATED: SUM of Total Conventional Oil Production and Condensate Production and Total Oil Sands Production													
<b>Receipts</b>														
Pentanes Plus - Plant/Gathering Process	FROM Volumetric Summary Activity Table												PROC	
Pentanes Plus - Fractionation Yield	FROM Volumetric Summary Activity Table												FRAC	
Skim Oil Recovered	FROM Volumetric Summary Activity Table												Sum of skim oil recovered at Injection Facilities (ABIF) invop_oil + rec_oil - disp_oil - invcl_oil + invadj_oil	
Waste Plant Receipts	FROM Volumetric Reporting Activity Table												ACTIVITY=REC, Source= ABWP	
Other Alberta Receipts	FROM Volumetric Reporting Activity Table												Source=ABOT or ABMC, ACTIVITY=REC, Dest=AB_Facility	
Butanes reported as Crude Oil or Equivalent	FROM Volumetric Summary Activity Table												Sum of all facilities: C4 supply - C4 disposition	
NGL reported as Crude Oil or Equivalent	FROM Volumetric Summary Activity Table												Sum of all facilities: NGL supply - NGL disposition	
<b>Imports</b>														
Pentanes Plus	FROM Volumetric Reporting Activity Table												Source=^AB, ACTIVITY=REC, Dest=AB_Facility, FLUID=IC5-SP,NC5-SP,C5-SP,C6-SP	
Condensates	FROM Volumetric Reporting Activity Table												Source=^AB, ACTIVITY=REC, Dest=AB_Facility, FLUID=COND	
Crude Oil	FROM Volumetric Reporting Activity Table												Source=^AB, ACTIVITY=REC, Dest=AB_Facility, FLUID=OIL, CRUDEBIT	
Synthetic Crude Oil	FROM Volumetric Reporting Activity Table												Source=^AB, ACTIVITY=REC, Dest=AB_Facility, FLUID=SYNCRD	
Total Imports	CALCULATED: SUM of Receipts													

Total Receipts CALCULATED: Pentanes Plus - Plant/Gathering Process PLUS NGL reported as Crude Oil or Equivalent PLUS Total Imports

Flare or Waste FROM Volumetric Summary Activity Table FLARWAST

Fuel FROM Volumetric Summary Activity Table FUEL

Shrinkage FROM Volumetric Summary Activity Table SHR

Closing Inventory FROM Volumetric Summary Activity Table INVCL

Adjustments FROM Volumetric Summary Activity Table INVADJ (can be either positive or negative) PLUS IMBAL (can be either positive or negative) PLUS DIFF (can be either positive or negative)

Year to date closing inventory is from the most current month reporting

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**TOTAL OIL & EQUIVALENT SUPPLY** CALCULATED -- Opening Inventory PLUS Total Production PLUS Total Receipts SUBTRACT Flare or Waste SUBTRACT Fuel SUBTRACT Shrinkage SUBTRACT Closing Inventory PLUS Adjustments

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**Run Date:** **Year To Date**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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**DISPOSITION**

Alberta Use

- Alberta Injection and Well Use FROM Volumetric Reporting Activity Table INJ PLUS ACTIVITY=DISP, Dest=Well
- Alberta Refinery Sales FROM Volumetric Reporting Activity Table Source=ABRF, ACTIVITY=DISP, Dest=ABOT or ABMC
- Waste Plant Use FROM Volumetric Reporting Activity Table ACTIVITY=DISP, Dest=ABWP
- Plant Use FROM Volumetric Summary Activity Table PLTUSE
- Line Fill FROM Volumetric Reporting Activity Table ACTIVITY=DISP, Dest=ABLF
- Load Fluid FROM Volumetric Reporting Activity Table LDINVOP - LDINJ + LDREC - LDINVCL + LDINVADJ
- Alberta Other Sales FROM Volumetric Reporting Activity Table Source=AB\_Facility and <> ABRF, ACTIVITY=DISP, Dest=ABOT or ABMC

Total Alberta Use CALCULATED: SUM of Alberta Use

Removals from Alberta FROM Volumetric Reporting Activity Table ACTIVITY=DISP AND Dest<>AB OR Dest='NEB pipeline' OR Dest='ABRC'

(cubic metres per day) CALCULATED: Removals from Alberta / number of days in month

Reporting Adjustment CALCULATED: Total Supply SUBTRACT Total Alberta Use SUBTRACT Total Removals from Alberta

as percent CALCULATED: Reporting Adjustment DIVIDED BY TOTAL SUPPLY AS PERCENT VALUE

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**TOTAL OIL & EQUIVALENT DISPOSITION** CALCULATED: EQUAL to TOTAL SUPPLY

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Note: Removals from Alberta includes deliveries reported to non-Alberta destinations which could be via rail or truck, and deliveries reported to CER pipelines. Final destinations are not reported into PETRINEX. For more information regarding oil removals (Canada and US destinations) please see <https://www.cer-rec.gc.ca/nrg/sttstc/crdIndptrImprdct/index-eng.html>. Reporting adjustment may also include fluctuations in CER pipeline inventories.



**Supply and Disposition of Crude Oil and Equivalent**  
Unit = cubic metres (m<sup>3</sup>)

Run Date: 31 March 2021

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year To Date 2020
<b>SUPPLY</b>													
Opening Inventory	11,921,035.8	11,377,773.9	11,347,468.2	11,150,185.8	11,735,037.9	11,604,255.7	11,089,592.3	10,665,639.5	10,305,834.8	10,125,401.7	9,946,592.4	10,570,065.7	11,921,035.8
<b>Production</b>													
Crude Oil Production													
Crude Oil Light	1,349,856.5	1,337,999.6	1,391,537.0	1,118,192.7	986,134.4	1,073,151.7	1,149,923.5	1,169,297.7	1,105,447.3	1,161,091.2	1,160,127.0	1,209,377.2	14,212,135.8
Crude Oil Medium	455,744.5	431,422.6	457,052.9	369,184.7	318,859.4	331,211.5	374,893.4	385,886.8	366,677.3	376,677.0	361,502.1	370,920.4	4,600,032.6
Crude Oil Heavy	197,916.2	185,485.5	197,832.3	153,352.7	110,344.5	132,036.3	161,737.2	166,211.3	159,954.0	160,750.3	155,690.8	160,805.4	1,942,116.5
Crude Oil Ultra-Heavy	395,926.80	377,038.00	381,665.00	250,529.60	197,770.40	268,950.80	308,422.50	330,839.60	329,945.70	340,004.20	328,903.00	346,863.00	3,856,858.60
Total Crude Oil Production	2,399,444.0	2,331,945.7	2,428,087.2	1,891,259.7	1,613,108.7	1,805,350.3	1,994,976.6	2,052,235.4	1,962,024.3	2,038,522.7	2,006,222.9	2,087,966.0	24,611,143.5
Condensate Production	380,953.3	386,321.9	409,802.1	415,163.8	369,520.0	358,751.3	363,620.7	383,498.0	334,263.0	404,735.0	375,375.5	364,704.3	4,546,708.9
Oil Sands Production													
Nonupgraded													
In Situ Production	8,061,848.1	7,454,446.1	7,486,526.0	6,212,122.2	6,287,332.9	6,455,886.9	7,296,873.8	7,432,548.5	7,468,275.5	7,557,023.1	7,671,473.9	8,114,870.2	87,499,227.2
Mined Production	7,668,606.5	7,454,039.0	8,080,329.6	6,995,706.9	6,641,904.4	6,849,630.4	6,403,461.0	5,822,669.4	5,912,229.3	7,161,325.6	8,232,139.9	9,091,888.5	86,313,930.5
Sent for Further Processing	(6,607,733.1)	(6,248,016.0)	(6,474,729.0)	(6,136,813.3)	(6,221,835.0)	(5,933,007.2)	(5,564,085.1)	(5,039,892.2)	(5,421,803.1)	(5,732,935.2)	(6,883,107.8)	(7,573,373.7)	(73,837,330.7)
Nonupgraded Total	9,122,721.5	8,660,469.1	9,092,126.6	7,071,015.8	6,707,402.3	7,372,510.1	8,136,249.7	8,215,325.7	7,958,701.7	8,985,413.5	9,020,506.0	9,633,385.0	99,975,827.0
Upgraded Production	5,852,711.7	5,490,305.3	5,722,961.1	5,389,509.7	5,560,326.9	5,288,106.4	4,840,663.8	4,372,698.9	4,712,014.8	5,021,647.1	6,023,070.9	6,652,117.2	64,926,133.8
Total Oil Sands Production	14,975,433.2	14,150,774.4	14,815,087.7	12,460,525.5	12,267,729.2	12,660,616.5	12,976,913.5	12,588,024.6	12,670,716.5	14,007,060.6	15,043,576.9	16,285,502.2	164,901,960.8
<b>Total Production</b>	<b>17,755,830.5</b>	<b>16,869,042.0</b>	<b>17,652,977.0</b>	<b>14,766,949.0</b>	<b>14,250,357.9</b>	<b>14,824,718.1</b>	<b>15,335,510.8</b>	<b>15,023,758.0</b>	<b>14,967,003.8</b>	<b>16,450,318.3</b>	<b>17,425,175.3</b>	<b>18,738,172.5</b>	<b>194,059,813.2</b>
<b>Receipts</b>													
Pentanes Plus - Plant/Gathering Process	929,644.1	902,896.0	943,752.4	936,341.0	937,754.2	890,053.0	930,956.0	898,202.2	832,716.1	977,433.8	960,574.7	977,048.5	11,117,372.0
Pentanes Plus - Fractionation Yield	284,979.9	309,483.7	278,325.3	273,702.6	294,364.2	304,773.5	299,693.3	298,209.4	320,981.8	330,879.2	295,832.9	300,162.7	3,591,388.5
Skim Oil Recovered	13,200.4	12,380.6	12,651.6	10,131.0	8,043.6	8,769.6	9,085.9	11,075.1	9,517.7	8,902.3	9,311.6	9,566.9	122,636.3
Waste Plant Receipts	17,820.3	22,794.9	20,279.0	10,694.7	11,083.4	14,941.6	16,866.2	17,626.8	17,229.6	18,695.0	17,271.9	16,889.7	202,193.1
Other Alberta Receipts	193,536.7	190,631.2	217,119.6	216,100.4	155,937.6	136,916.6	177,944.3	126,371.4	146,157.9	207,600.2	211,412.4	258,390.5	2,238,118.8
Butanes reported as Crude Oil or Equivalent	214,551.2	193,239.4	198,418.0	171,650.0	162,859.6	167,718.2	184,553.3	196,088.6	179,465.7	198,599.4	198,443.4	218,004.6	2,283,591.4
NGL reported as Crude Oil or Equivalent	78.1	52.6	410.5	122.9	119.0	8.9	22.6	27.8	37.8	215.7	353.3	387.8	1,837.0
Imports													
Pentanes Plus	435,199.2	428,817.1	483,703.5	336,821.7	266,448.1	422,408.8	406,111.0	349,017.6	334,797.4	416,805.9	421,400.2	490,870.8	4,792,401.3
Condensates	1,321,364.2	1,166,296.8	1,302,903.7	1,116,343.8	687,119.9	819,793.2	771,292.9	672,658.1	803,492.1	762,340.3	955,298.4	1,108,594.2	11,487,497.6
Crude Oil	949,300.3	896,489.8	908,929.0	626,469.7	628,711.7	724,002.9	725,764.7	839,731.6	820,990.9	811,863.6	758,840.7	723,928.5	9,415,023.4
Synthetic Crude Oil	318,857.40	268,212.00	276,029.10	222,969.10	186,947.90	271,951.50	302,600.20	244,144.20	577.10	77,042.00	275,182.90	303,384.80	2,747,898.2
Total Imports	3,024,721.1	2,759,815.7	2,971,565.3	2,302,604.3	1,769,227.6	2,238,156.4	2,205,768.8	2,105,551.5	1,959,857.5	2,068,051.8	2,410,722.2	2,626,778.3	28,442,820.5
<b>Total Receipts</b>	<b>4,678,531.8</b>	<b>4,391,294.1</b>	<b>4,642,521.7</b>	<b>3,921,346.9</b>	<b>3,339,389.2</b>	<b>3,761,337.8</b>	<b>3,824,890.4</b>	<b>3,653,152.8</b>	<b>3,465,964.1</b>	<b>3,810,377.4</b>	<b>4,103,922.4</b>	<b>4,407,229.0</b>	<b>47,999,957.6</b>
Flare or Waste	202,600.1	201,809.6	223,545.0	173,982.0	163,958.9	180,400.9	146,412.0	140,966.0	148,963.6	211,331.7	221,651.5	214,573.5	2,230,194.8
Fuel	100,030.2	97,088.5	93,363.2	78,923.1	82,576.0	74,818.0	77,780.2	74,485.6	81,091.2	84,900.7	83,032.4	89,881.5	1,017,970.6

Shrinkage	283,995.9	269,000.0	277,027.6	261,109.1	261,519.1	252,543.8	268,108.8	261,550.5	247,762.1	288,643.6	281,137.3	289,381.6	3,241,779.4
Closing Inventory	11,377,818.6	11,347,622.2	11,150,185.8	11,735,416.6	11,604,255.7	11,090,006.2	10,665,639.5	10,305,834.8	10,125,401.7	9,946,592.4	10,570,065.7	11,192,445.0	11,192,445.0
Adjustments	9,626.6	(50,959.4)	(79,043.9)	22,392.7	(89,391.3)	(54,792.8)	(61,812.4)	(11,080.3)	(8,934.0)	(23,682.2)	22,712.1	(100,317.9)	(425,282.8)
<b>TOTAL OIL &amp; EQUIVALENT SUPPLY</b>	<b>22,400,579.9</b>	<b>20,671,630.3</b>	<b>21,819,801.4</b>	<b>17,611,443.6</b>	<b>17,123,084.0</b>	<b>18,537,749.9</b>	<b>19,030,240.6</b>	<b>18,548,633.1</b>	<b>18,126,650.1</b>	<b>19,830,946.8</b>	<b>20,342,515.3</b>	<b>21,828,867.7</b>	<b>235,872,142.7</b>

Run Date: 31 March 2021

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year To Date 2020
<b>DISPOSITION</b>													
Alberta Use													
Alberta Injection and Well Use	16,142.8	24,143.2	39.6	-	58.2	5.0	43.2	2,580.0	20.1	5.1	14.8	25.2	43,077.2
Alberta Refinery Sales	2,335,546.2	2,127,467.8	2,316,813.4	1,733,362.9	2,080,303.5	1,810,232.2	1,921,379.3	1,831,714.7	2,148,860.0	2,298,354.0	2,203,974.6	2,294,465.6	25,102,474.2
Waste Plant Use	16,758.4	17,178.9	16,923.0	13,996.4	9,702.2	10,669.9	11,904.1	12,688.5	14,266.6	11,909.5	13,083.7	13,227.3	162,308.5
Plant Use	34,550.9	21,496.5	23,708.1	28,109.6	119.8	(2,844.8)	5,370.4	(2,653.8)	7,839.6	(1,535.7)	23,201.9	22,736.4	160,098.9
Line Fill	-	559.2	71.1	-	-	7,076.3	-	144.3	558.0	1,127.8	23.0	479.4	10,039.1
Load Fluid	(8,139.6)	(11,354.0)	(10,420.8)	(14,072.0)	1,500.6	43.8	4,331.0	3,808.4	2,142.7	2,664.2	(883.6)	2,127.3	(28,252.0)
Alberta Other Sales	298,493.6	323,011.5	340,108.9	169,925.8	167,237.3	150,919.2	236,712.0	261,694.1	205,211.4	186,350.6	183,262.6	185,392.1	2,708,319.1
Total Alberta Use	2,693,352.3	2,502,503.1	2,687,243.3	1,931,322.7	2,258,921.6	1,976,101.6	2,179,740.0	2,109,976.2	2,378,898.4	2,498,875.5	2,422,677.0	2,518,453.3	28,158,065.0
Removals from Alberta (cubic metres per day)	19,246,321.1 620,849.1	18,048,433.1 644,586.9	18,632,946.1 601,062.8	14,974,369.4 499,145.6	14,620,676.2 471,634.7	15,802,354.5 526,745.2	16,422,379.0 529,754.2	16,044,888.8 517,577.1	15,063,220.7 502,107.4	16,711,784.0 539,089.8	17,377,615.3 579,253.8	18,612,682.5 600,409.1	201,557,670.7 552,684.6
Reporting Adjustment as percent	460,906.5 (0.0)	120,694.1 (0.0)	499,612.0 (0.0)	705,751.5 0.0	243,486.2 (0.0)	759,293.8 0.0	428,121.6 0.0	393,768.1 0.0	684,531.0 0.0	620,287.3 0.0	542,223.0 0.0	697,731.9 0.0	6,156,407.0 (0.0)
<b>TOTAL OIL &amp; EQUIVALENT DISPOSITION</b>	<b>22,400,579.9</b>	<b>20,671,630.3</b>	<b>21,819,801.4</b>	<b>17,611,443.6</b>	<b>17,123,084.0</b>	<b>18,537,749.9</b>	<b>19,030,240.6</b>	<b>18,548,633.1</b>	<b>18,126,650.1</b>	<b>19,830,946.8</b>	<b>20,342,515.3</b>	<b>21,828,867.7</b>	<b>235,872,142.7</b>

Note: Removals from Alberta includes deliveries reported to non-Alberta destinations which could be via rail or truck, and deliveries reported to CER pipelines. Final destinations are not reported into PETRINEX.

For more information regarding oil removals (Canada and US destinations) please see <https://www.cer-rec.gc.ca/nrg/sttstc/crdlndptrlmrdct/index-eng.html>.

Reporting adjustment may also include fluctuations in CER pipeline inventories.

**Condensate imports have been adjusted to represent estimated diluent import volumes.**