



**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

**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

**Run Date:**

**Year To Date**

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

**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 (cubic metres per day)	FROM Volumetric Reporting Activity Table ACTIVITY=DISP AND Dest<>AB OR Dest='NEB pipeline' OR Dest='ABRC' CALCULATED: Removals from Alberta / number of days in month
Reporting Adjustment as percent	CALCULATED: Total Supply SUBTRACT Total Alberta Use SUBTRACT Total Removals from Alberta CALCULATED: Reporting Adjustment DIVIDED BY TOTAL SUPPLY AS PERCENT VALUE

**TOTAL OIL & EQUIVALENT DISPOSITION**

CALCULATED: EQUAL to TOTAL SUPPLY

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/crdIndptrlmpdct/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: 27 January 2023

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year To Date 2022
<b>SUPPLY</b>													
Opening Inventory	11,760,098.8	10,517,088.4	10,411,031.7	10,129,376.0	10,217,290.4	10,548,783.4	10,143,492.3	10,201,256.1	10,392,660.5	10,381,738.7	10,541,244.4	11,256,266.8	11,760,098.8
<b>Production</b>													
Crude Oil Production													
Crude Oil Light	1,254,553.7	1,172,583.0	1,368,608.2	1,381,041.6	1,372,370.3	1,316,809.8	1,372,443.4	1,401,105.0	1,329,828.7	1,439,680.3	1,406,817.2	1,467,453.4	16,283,294.6
Crude Oil Medium	372,292.8	349,268.0	396,631.9	390,009.7	395,645.0	376,818.5	390,262.6	394,632.2	380,490.4	395,287.8	364,053.5	353,470.3	4,558,862.7
Crude Oil Heavy	167,667.9	155,331.7	175,643.6	171,536.3	177,514.4	165,775.6	168,243.7	171,018.4	170,357.6	178,519.2	166,536.0	162,132.1	2,030,276.5
Crude Oil Ultra-Heavy	425,228.60	406,803.30	466,286.00	466,734.40	492,220.90	480,653.20	496,945.40	503,419.10	479,960.40	491,555.40	466,067.60	463,777.50	5,639,651.80
Total Crude Oil Production	2,219,743.0	2,083,986.0	2,407,169.7	2,409,322.0	2,437,750.6	2,340,057.1	2,427,895.1	2,470,174.7	2,360,637.1	2,505,042.7	2,403,474.3	2,446,833.3	28,512,085.6
Condensate Production	337,671.8	316,825.5	341,725.7	365,021.6	360,305.3	370,418.7	394,776.8	408,827.7	406,971.4	432,251.9	430,158.1	419,587.5	4,584,542.0
Oil Sands Production													
Nonupgraded													
In Situ Production	8,548,355.9	7,758,397.2	8,622,523.4	8,276,962.8	7,779,714.0	7,219,185.8	8,496,497.5	8,525,435.1	8,215,137.8	8,805,223.1	8,540,889.8	8,755,983.4	99,544,305.8
Mined Production	7,331,422.5	7,374,436.8	7,913,598.5	7,172,061.2	7,290,967.6	7,908,691.4	8,138,101.3	8,212,270.0	8,080,701.7	8,020,598.2	8,373,982.5	8,012,548.8	93,829,380.5
Sent for Further Processing	(6,658,368.2)	(6,430,015.5)	(6,899,097.4)	(6,286,138.0)	(5,911,161.6)	(6,217,850.9)	(6,598,635.9)	(6,374,794.1)	(5,869,420.3)	(6,229,922.7)	(7,197,759.1)	(6,939,429.7)	(77,612,593.4)
Nonupgraded Total	9,221,410.2	8,702,818.5	9,637,024.5	9,162,886.0	9,159,520.0	8,910,026.3	10,035,962.9	10,362,911.0	10,426,419.2	10,595,898.6	9,717,113.2	9,829,102.5	115,761,092.9
Upgraded Production	5,760,388.7	5,545,407.2	6,003,886.9	5,394,307.1	5,110,425.5	5,430,495.1	5,785,935.2	5,587,199.3	5,291,674.6	5,407,600.0	6,338,582.9	6,075,629.1	67,731,531.6
Total Oil Sands Production	14,981,798.9	14,248,225.7	15,640,911.4	14,557,193.1	14,269,945.5	14,340,521.4	15,821,898.1	15,950,110.3	15,718,093.8	16,003,498.6	16,055,696.1	15,904,731.6	183,492,624.5
<b>Total Production</b>	<b>17,539,213.7</b>	<b>16,649,037.2</b>	<b>18,389,806.8</b>	<b>17,331,536.7</b>	<b>17,068,001.4</b>	<b>17,050,997.2</b>	<b>18,644,570.0</b>	<b>18,829,112.7</b>	<b>18,485,702.3</b>	<b>18,940,793.2</b>	<b>18,889,328.5</b>	<b>18,771,152.4</b>	<b>216,589,252.1</b>
<b>Receipts</b>													
Pentanes Plus - Plant/Gathering Process	1,016,836.7	964,799.9	1,105,374.5	1,066,495.3	1,053,903.1	924,698.4	1,104,227.8	1,059,733.3	1,075,302.5	1,092,231.7	1,057,849.7	1,151,350.2	12,672,803.1
Pentanes Plus - Fractionation Yield	319,178.6	286,752.0	323,817.5	307,610.2	315,157.8	334,516.1	355,508.0	355,178.7	301,456.8	360,227.9	349,706.7	318,774.1	3,927,884.4
Skim Oil Recovered	9,673.5	8,587.1	11,100.4	9,042.5	9,829.2	8,373.8	10,639.6	9,045.3	9,298.7	10,480.5	9,408.5	10,665.1	116,144.2
Waste Plant Receipts	14,299.9	12,890.7	15,965.6	16,010.9	13,919.9	11,120.4	10,182.0	10,651.9	6,643.3	9,678.7	7,815.9	7,109.0	136,288.2
Other Alberta Receipts	534,829.9	541,997.5	522,691.5	476,788.8	414,047.9	338,398.0	409,395.7	471,823.8	448,072.3	527,083.5	498,800.8	485,806.6	5,669,736.3
Butanes reported as Crude Oil or Equivalent	222,513.3	210,082.9	236,261.2	226,971.8	215,460.7	214,610.5	224,911.6	218,651.0	211,080.9	217,226.3	233,277.6	234,596.3	2,665,644.1
NGL reported as Crude Oil or Equivalent	30.1	51.7	72.6	66.9	90.0	31.4	57.1	16.2	26.6	63.9	37.9	1,827.7	2,372.1
Imports													
Pentanes Plus	482,534.1	415,284.3	443,292.3	423,454.7	438,977.2	457,777.0	485,056.2	458,210.7	456,884.9	463,498.6	440,190.2	481,990.6	5,447,150.8
Condensates	944,742.9	993,778.1	928,639.3	983,403.3	1,162,798.7	1,081,658.7	1,046,230.2	1,060,106.5	993,636.5	1,119,491.5	1,087,166.5	1,137,426.8	12,539,079.0
Crude Oil	792,712.9	718,127.7	789,558.1	780,944.9	774,785.6	754,394.2	769,547.1	793,088.5	740,281.7	747,852.6	779,398.2	812,684.1	9,253,375.6
Synthetic Crude Oil	300,673.50	243,463.00	147,070.80	179,160.30	217,783.40	265,929.60	290,379.20	230,578.50	247,944.90	311,280.50	271,094.50	160,405.40	2,865,763.6
Total Imports	2,520,663.4	2,370,653.1	2,308,560.5	2,366,963.2	2,594,344.9	2,559,759.5	2,591,212.7	2,541,984.2	2,438,748.0	2,642,123.2	2,577,849.4	2,592,506.9	30,105,369.0
<b>Total Receipts</b>	<b>4,638,025.4</b>	<b>4,395,814.9</b>	<b>4,523,843.8</b>	<b>4,469,949.6</b>	<b>4,616,753.5</b>	<b>4,391,508.1</b>	<b>4,706,134.5</b>	<b>4,667,084.4</b>	<b>4,490,629.1</b>	<b>4,859,115.7</b>	<b>4,734,746.5</b>	<b>4,802,635.9</b>	<b>55,296,241.4</b>
<b>Flare or Waste</b>	<b>174,725.7</b>	<b>176,661.3</b>	<b>179,608.3</b>	<b>163,762.6</b>	<b>215,542.6</b>	<b>222,353.9</b>	<b>237,876.2</b>	<b>242,065.4</b>	<b>226,192.3</b>	<b>233,221.9</b>	<b>212,727.9</b>	<b>225,545.6</b>	<b>2,510,283.7</b>
<b>Fuel</b>	<b>84,543.5</b>	<b>78,221.3</b>	<b>83,108.4</b>	<b>87,158.4</b>	<b>93,410.6</b>	<b>89,840.6</b>	<b>83,846.5</b>	<b>65,062.6</b>	<b>82,216.1</b>	<b>95,545.3</b>	<b>94,729.5</b>	<b>100,006.4</b>	<b>1,037,689.2</b>

Shrinkage	305,655.0	284,476.0	322,669.9	309,852.8	297,754.5	272,887.2	318,616.7	309,001.5	307,657.1	315,548.1	306,701.7	334,335.6	3,685,156.1
Closing Inventory	10,517,088.4	10,411,031.7	10,129,567.4	10,217,290.4	10,548,783.4	10,143,553.2	10,201,260.7	10,392,666.7	10,381,738.7	10,541,297.9	11,256,602.9	12,066,215.7	12,066,215.7
Adjustments	(39,806.6)	388.9	(69,266.2)	(49,676.1)	8,999.6	(103,136.3)	46,386.2	(31,014.7)	39,102.0	(28,394.6)	(94,070.8)	(12,256.7)	(332,745.3)
<b>TOTAL OIL &amp; EQUIVALENT SUPPLY</b>	<b>22,815,518.7</b>	<b>20,611,939.1</b>	<b>22,540,462.1</b>	<b>21,103,122.0</b>	<b>20,755,553.8</b>	<b>21,159,517.5</b>	<b>22,698,982.9</b>	<b>22,657,642.3</b>	<b>22,410,289.7</b>	<b>22,967,639.8</b>	<b>22,200,486.6</b>	<b>22,091,695.1</b>	<b>264,012,849.6</b>
<b>Run Date: 27 January 2023</b>													<b>Year To Date</b>
	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>2022</b>
<b>DISPOSITION</b>													
Alberta Use													
Alberta Injection and Well Use	32,772.6	55,300.6	65,342.8	18,804.4	-	-	304.6	436.6	36.7	4,384.0	28,202.5	14,946.7	220,531.5
Alberta Refinery Sales	2,353,032.0	2,237,277.3	2,499,114.5	2,142,799.8	2,109,926.9	2,260,905.3	2,523,278.5	2,541,851.4	2,448,730.9	2,472,202.9	2,262,273.6	2,305,684.3	28,157,077.4
Waste Plant Use	14,601.4	12,184.2	16,770.7	17,610.3	15,860.2	12,481.3	11,980.2	12,466.7	10,605.8	12,098.2	9,897.0	9,273.4	155,829.4
Plant Use	9,600.4	11,939.6	24,301.3	(1,316.5)	10,511.7	11,567.2	11,894.8	20,045.8	26,695.6	1,582.1	4,822.2	22,837.5	154,481.7
Line Fill	12.7	-	213.2	5.2	-	79.3	-	-	2.3	753.0	-	-	1,065.7
Load Fluid	1,326.6	2,237.2	(3,585.0)	5,492.8	210.1	(825.0)	(1,313.2)	2,172.8	(707.2)	(13,861.8)	(16,653.6)	22,309.8	(3,196.5)
Alberta Other Sales	341,224.9	336,075.2	379,788.9	380,256.9	329,516.7	324,836.1	391,116.5	410,108.1	354,287.7	342,995.3	325,676.2	376,570.4	4,292,452.9
Total Alberta Use	2,752,570.6	2,655,014.1	2,981,946.4	2,563,652.9	2,466,025.6	2,609,044.2	2,937,261.4	2,987,081.4	2,839,651.8	2,820,153.7	2,614,217.9	2,751,622.1	32,978,242.1
Removals from Alberta	19,641,330.8	17,318,439.0	19,021,141.8	18,043,447.9	17,664,004.6	17,970,575.1	19,202,911.9	19,079,114.2	18,887,512.3	19,302,664.3	18,948,546.1	18,668,157.5	223,747,845.5
(cubic metres per day)	633,591.3	618,515.7	613,585.2	601,448.3	569,806.6	599,019.2	619,448.8	615,455.3	629,583.7	622,666.6	631,618.2	602,198.6	613,078.1
Reporting Adjustment	421,617.3	638,486.0	537,373.9	496,021.2	625,523.6	579,898.2	558,809.6	591,446.7	683,125.6	844,821.8	637,722.6	671,915.5	7,286,762.0
as percent	(0.0)	0.0	0.0	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	0.0	0.0	0.0	(0.0)	(0.0)
<b>TOTAL OIL &amp; EQUIVALENT DISPOSITION</b>	<b>22,815,518.7</b>	<b>20,611,939.1</b>	<b>22,540,462.1</b>	<b>21,103,122.0</b>	<b>20,755,553.8</b>	<b>21,159,517.5</b>	<b>22,698,982.9</b>	<b>22,657,642.3</b>	<b>22,410,289.7</b>	<b>22,967,639.8</b>	<b>22,200,486.6</b>	<b>22,091,695.1</b>	<b>264,012,849.6</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/crdlndpnlrmpdct/index-eng.html>.

Reporting adjustment may also include fluctuations in CER pipeline inventories.

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