



Supply and Disposition of Crude Oil and Equivalent
Unit = cubic metres (m³)

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	
Opening Inventory	FROM Volumetric Summary Activity Table											INVOP	Year to date opening inventory is from the most current month reporting
Production													
Crude Oil Production													
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												
Condensate Production													
	FROM Volumetric Reporting Activity Table											ACTIVITY=PROD, FLUID= COND	
Oil Sands Production													
Nonupgraded													
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												
Total Production													
	CALCULATED: SUM of Total Conventional Oil Production and Condensate Production and Total Oil Sands Production												
Receipts													
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	
Imports													
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 Year to date closing inventory is from the most current month reporting

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)

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
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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

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/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 (m³)

Run Date: 30 December 2022

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year To Date 2022
SUPPLY													
Opening Inventory	11,759,292.9	10,517,024.3	10,410,967.6	10,129,311.9	10,217,226.3	10,548,724.3	10,143,438.8	10,201,225.4	10,392,618.5	10,381,699.1	10,540,313.6	-	11,759,292.9
Production													
Crude Oil Production													
Crude Oil Light	1,254,460.6	1,172,071.8	1,368,501.8	1,380,957.4	1,372,216.6	1,315,824.5	1,371,308.3	1,405,169.3	1,340,100.0	1,449,361.0	1,416,086.2	-	14,846,057.5
Crude Oil Medium	372,286.8	349,260.6	396,628.2	390,001.7	395,637.2	376,811.4	390,255.8	391,624.4	374,971.9	389,705.4	359,453.2	-	4,186,636.6
Crude Oil Heavy	167,767.0	155,851.0	175,753.7	171,593.4	177,678.1	166,760.1	169,544.9	170,173.4	167,882.0	176,588.7	163,128.5	-	1,862,720.8
Crude Oil Ultra-Heavy	425,228.60	406,805.40	466,286.00	466,734.40	492,220.90	480,653.20	496,806.40	503,177.20	477,683.20	489,352.80	464,238.20	-	5,169,186.30
Total Crude Oil Production	2,219,743.0	2,083,988.8	2,407,169.7	2,409,286.9	2,437,752.8	2,340,049.2	2,427,915.4	2,470,144.3	2,360,637.1	2,505,007.9	2,402,906.1	-	26,064,601.2
Condensate Production	337,671.8	316,822.7	341,725.7	365,056.7	360,308.1	370,432.2	394,779.3	408,846.8	406,973.8	432,275.4	430,174.1	-	4,165,066.6
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	-	90,788,322.4
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	-	85,816,831.7
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)	-	(70,673,163.7)
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	-	105,931,990.4
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	6,338,575.4	-	61,655,895.0
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	16,055,688.6	-	167,587,885.4
Total Production	17,539,213.7	16,649,037.2	18,389,806.8	17,331,536.7	17,068,006.4	17,051,002.8	18,644,592.8	18,829,101.4	18,485,704.7	18,940,781.9	18,888,768.8	-	197,817,553.2
Receipts													
Pentanes Plus - Plant/Gathering Process	1,017,578.5	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	1,092,725.7	1,059,901.6	-	11,524,740.6
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	346,018.9	-	3,605,422.5
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	10,431.4	9,408.5	-	105,430.0
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	9,634.0	7,798.0	-	129,116.6
Other Alberta Receipts	534,829.9	541,997.5	522,691.5	476,788.8	414,047.9	338,398.0	409,395.7	471,822.8	448,072.3	527,083.1	498,856.6	-	5,183,984.1
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	217,278.8	231,459.1	-	2,429,281.8
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	-	544.4
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	-	4,965,160.2
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	-	11,401,652.2
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	779,208.2	-	8,440,501.5
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	-	2,705,358.2
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	2,577,659.4	-	27,512,672.1
Total Receipts	4,638,767.2	4,395,814.9	4,523,843.8	4,469,949.6	4,616,753.5	4,391,508.1	4,706,134.5	4,667,083.4	4,490,629.1	4,859,568.0	4,731,140.0	-	50,491,192.1
Flare or Waste	174,725.7	176,661.3	179,608.3	163,762.6	215,542.6	222,353.9	237,876.2	242,065.4	226,192.3	233,221.9	212,727.9	-	2,284,738.1
Fuel	84,543.5	78,221.3	83,108.4	87,158.4	93,410.6	89,840.6	83,846.5	65,062.6	82,216.1	95,545.3	94,729.5	-	937,682.8

Shrinkage	305,808.3	284,476.0	322,669.9	309,852.8	297,754.5	272,887.2	318,616.7	309,001.5	307,657.1	315,650.2	307,125.7	-	3,351,499.9
Closing Inventory	10,517,024.3	10,410,967.6	10,129,503.3	10,217,226.3	10,548,724.3	10,143,499.7	10,201,230.0	10,392,624.7	10,381,699.1	10,540,395.8	11,254,313.5	-	11,254,313.5
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	(27,045.9)	(94,745.0)	-	(319,814.1)

TOTAL OIL & EQUIVALENT SUPPLY	22,815,365.4	20,611,939.1	22,540,462.1	21,103,122.0	20,755,553.8	21,159,517.5	22,698,982.9	22,657,641.3	22,410,289.7	22,970,189.9	22,196,580.8	-	241,919,644.5
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Run Date: 30 December 2022

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year To Date 2022
DISPOSITION													
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	-	205,584.8
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	2,261,678.1	-	25,850,797.6
Waste Plant Use	14,601.4	12,184.2	16,770.7	17,610.3	15,860.2	12,481.3	11,980.2	12,465.7	10,605.8	12,049.1	9,847.0	-	146,455.9
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	-	131,644.2
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)	(13,869.6)	(16,692.4)	-	(25,552.9)
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	325,791.8	-	3,915,998.1
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	2,987,080.4	2,839,651.8	2,820,096.8	2,613,649.2	-	30,225,993.4
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	18,948,548.6	-	205,079,690.5
(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	631,618.3	-	614,067.2
Reporting Adjustment	421,464.0	638,486.0	537,373.9	496,021.2	625,523.6	579,898.2	558,809.6	591,446.7	683,125.6	847,428.8	634,383.0	-	6,613,960.6
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)
TOTAL OIL & EQUIVALENT DISPOSITION	22,815,365.4	20,611,939.1	22,540,462.1	21,103,122.0	20,755,553.8	21,159,517.5	22,698,982.9	22,657,641.3	22,410,289.7	22,970,189.9	22,196,580.8	-	241,919,644.5

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/ststsc/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.