



Supply and Disposition of Butanes
Unit = m3

C4-SP', 'IC4-SP', 'NC4-SP', 'BUTANE-SP', 'BUTANE'

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

Run Date: 04 April 2019

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year To Date
SUPPLY													
Opening Inventory	FROM Volumetric Summary Activity Table		INVOP										Year to date opening inventory is from January
Production													
Plant/Gathering System Process	FROM Volumetric Summary Activity Table		TOTPROC	** Volume of Butanes produced from field facility (Battery, Gas Gathering System, Gas Plant)									
Refinery Process	FROM Volumetric Reporting Activity Table		Source=ABOT, ACTIVITY=REC, Dest=ABRF	** Volume of Butanes produced at Refinery									
Fractionation Yield	FROM Volumetric Summary Activity Table		TOTFRAC	** Volume of Butanes produced from Gas receipts at Fractionation facility									
Total Production	CALCULATED: Sum of Production volumes												
Intra-Alberta Receipts	FROM Volumetric Reporting Activity Table		Source=ABOT, ABGE or ABMC, ACTIVITY=REC, Dest=AB_Facility	** Volume of Butanes received from non AER regulated facility									
Imports	FROM Volumetric Reporting Activity Table		Source=^AB, ACTIVITY=REC, Dest=AB_Facility	** Volume of Butanes received from non Alberta source									
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 BUTANE SUPPLY	CALCULATED: Opening Inventory PLUS Total Production SUBTRACT Closing Inventory PLUS Inventory Adjustment PLUS Imbalance Adjustment PLUS Imports												
DISPOSITION													
Alberta Use													
Butane Reported as Oil & Equivalent	FROM Volumetric Summary Activity Table		Sum of all facilities: C4 supply - C4 disposition										
Alberta Injection	FROM Volumetric Summary Activity Table		TOTINJ										
Alberta Other Sales	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=ABOT, ABGE or ABMC	** Volume of Butanes reported sent to non AER regulated facility									
Total Alberta Use	CALCULATED: Sum of Butanes reported as Oil & Equivalent PLUS Alberta Injection PLUS Alberta Other Sales												
Other Canada													
British Columbia	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=BC										
Saskatchewan	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=SK										
Manitoba	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=MB										
Ontario	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=ON										
Quebec	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=QC										
Maritimes	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=NL, NB, NS, PE										
NWT Yukon Nunavut	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=NT, NU, YT										
Total Other Canada	CALCULATED: Sum of Other Canada												
USA Removals													
PADD 1	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=CT, DC, DE, FL, GA, MA, MD, ME, NC, NH, NJ, NY, PA, RI, SC, VA, VT, WV										
PADD 2	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=IA, IL, IN, KS, KY, MI, MN, MO, ND, NE, OH, OK, SD, TN, WI										
PADD 3	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=AL, AR, LA, MS, NM, TX										
PADD 4	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=CO, ID, MT, UT, WY										
PADD 5	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=AK, AZ, CA, HI, NV, OR, WA	PLUS	Source=NEB Pipeline, ACTIVITY=DISP								** NEB Disposition of Butanes removals - audit
Total USA Removals	CALCULATED: Sum of USA Removals												
Offshore Removals	FROM Volumetric Reporting Activity Table		Source=AB_Facility, ACTIVITY=DISP, Dest=OS										
Total Removals From Alberta	CALCULATED: Sum of Other Canada Removals and USA Removals and Offshore Removals												
Reporting Adjustment as percent	CALCULATED: Total Disposition SUBTRACT Alberta Injection SUBTRACT Alberta Other Sales SUBTRACT Total Removals from Alberta												
	CALCULATED: Reporting Adjustment DIVIDED BY TOTAL SUPPLY AS PERCENT VALUE												
TOTAL DISPOSITION	CALCULATED: EQUAL to TOTAL SUPPLY												

Note: Removals refers to the reported disposition to the first destination outside of Alberta. This may not be the final market.



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SUPPLY													
Opening Inventory	324,839.6	336,844.6	354,143.7	426,671.8	572,796.9	706,821.6	800,047.7	893,506.1	990,373.3	934,999.8	912,145.0	883,911.9	324,839.6
Production													
Plant/Gathering System Process	69,073.4	63,074.9	71,002.2	60,266.4	58,904.4	65,583.8	54,987.9	50,671.4	41,985.5	45,774.5	50,926.3	58,338.7	690,589.4
Refinery Process	54.2	2,117.7	2,682.0	14,010.3	13,537.5	11,892.7	665.5	89.8	2,813.1	338.1	844.5	281.9	49,327.3
Fractionation Yield	431,746.6	381,906.5	468,555.5	429,532.2	399,942.3	394,629.3	453,719.3	466,355.2	372,686.7	464,882.4	433,576.3	478,387.7	5,175,920.0
Total Production	500,874.2	447,099.1	542,239.7	503,808.9	472,384.2	472,105.8	509,372.7	517,116.4	417,485.3	510,995.0	485,347.1	537,008.3	5,915,836.7
Intra-Alberta Receipts	24,019.2	18,868.6	30,669.8	36,220.8	34,388.6	32,411.7	30,311.8	26,199.8	10,566.6	8,953.5	4,771.1	3,674.3	261,055.8
Imports	18,308.5	18,210.2	23,601.8	22,186.9	24,738.9	23,909.5	26,721.4	22,155.2	17,764.2	19,225.1	13,992.5	9,029.7	239,843.9
Closing Inventory	336,844.6	354,143.7	426,671.8	572,796.9	706,821.6	800,047.7	893,506.1	990,373.3	934,999.8	912,145.0	883,911.9	792,661.9	792,661.9
Adjustments	(7,036.2)	(4,731.3)	(19,306.8)	(14,943.0)	(19,934.6)	(15,218.5)	(11,819.7)	(6,564.1)	3,289.2	(1,931.8)	(5,130.8)	(7,881.3)	(111,208.9)
TOTAL BUTANE SUPPLY	524,160.7	462,147.5	504,676.4	401,148.5	377,552.4	419,982.4	461,127.8	462,040.1	504,478.8	560,096.6	527,213.0	633,081.0	5,837,705.2
DISPOSITION													
Alberta Use													
Butane Reported as Oil & Equivalent	177,726.2	174,211.6	181,828.0	179,619.1	164,476.8	152,997.4	170,366.1	154,938.1	160,827.7	174,661.7	181,255.4	199,626.2	2,072,534.3
Alberta Injection	-	51.0	246.0	90.1	94.2	123.8	0.4	3.9	0.4	0.7	0.2	1.2	611.9
Alberta Other Sales	266,521.5	239,231.0	249,069.3	161,844.4	145,680.8	208,584.4	217,356.8	224,822.0	255,759.3	262,026.0	175,499.0	272,769.9	2,679,164.4
Total Alberta Use	444,247.7	413,493.6	431,143.3	341,553.6	310,251.8	361,705.6	387,723.3	379,764.0	416,587.4	436,688.4	356,754.6	472,397.3	4,752,310.6
Other Canada													
British Columbia	4,776.7	3,189.5	1,994.7	1,189.4	1,306.8	2,617.1	357.4	1,902.4	2,594.7	-	-	-	19,928.7
Saskatchewan	8,912.6	8,541.6	12,465.0	17,032.5	17,581.4	6,542.7	6,042.4	6,271.3	3,793.2	5,161.7	5,746.8	8,891.1	106,982.3
Manitoba	234.9	-	-	-	897.0	-	2,653.2	-	-	-	-	-	3,785.1
Ontario	841.5	-	-	-	-	-	-	-	2,667.3	-	-	599.2	4,108.0
Quebec	-	-	-	-	-	-	-	-	-	118.0	2,627.9	6,580.9	9,326.8
Maritimes	-	-	-	-	-	-	-	-	-	-	-	-	-
NWT Yukon Nunavut	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Other Canada	14,765.7	11,731.1	14,459.7	18,221.9	19,785.2	9,159.8	9,053.0	8,173.7	9,055.2	5,279.7	8,374.7	16,071.2	144,130.9
USA Removals													
PADD 1	4,414.6	-	-	-	-	-	-	-	2,350.0	7,652.6	16,459.1	17,697.8	48,574.1
PADD 2	8,778.0	955.8	3,266.1	-	238.0	6,509.3	1,238.7	1,771.4	-	353.1	85,245.7	9,173.4	117,529.5
PADD 3	-	-	-	3,557.4	3,548.3	-	-	2,359.6	-	-	-	3,239.3	12,704.6
PADD 4	4,116.3	1,554.5	10,600.7	-	4,397.4	6,049.1	7,579.1	4,272.9	586.2	403.0	411.1	4,956.6	44,926.9
PADD 5	36,273.6	32,659.2	39,953.6	36,220.7	34,739.8	33,243.5	51,236.7	65,530.9	70,752.0	105,006.2	58,532.5	105,075.8	669,224.5
Total USA Removals	53,582.5	35,169.5	53,820.4	39,778.1	42,923.5	45,801.9	60,054.5	73,934.8	73,688.2	113,414.9	160,648.4	140,142.9	892,959.6
Offshore Removals	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Removals From Alberta	68,348.2	46,900.6	68,280.1	58,000.0	62,708.7	54,961.7	69,107.5	82,108.5	82,743.4	118,694.6	169,023.1	156,214.1	1,037,090.5
Reporting Adjustment	11,564.8	1,753.3	5,253.0	1,594.9	4,591.9	3,315.1	4,297.0	167.6	5,148.0	4,713.6	1,435.3	4,469.6	48,304.1
as percent	2.21%	0.38%	1.04%	0.40%	1.22%	0.79%	0.93%	0.04%	1.02%	0.84%	0.27%	0.71%	0.83%
TOTAL DISPOSITION	524,160.7	462,147.5	504,676.4	401,148.5	377,552.4	419,982.4	461,127.8	462,040.1	504,478.8	560,096.6	527,213.0	633,081.0	5,837,705.2

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