### Supply and Disposition of Butanes

**Unit = m³**

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

#### Run Date:

<table>
<thead>
<tr>
<th>Year To Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
</tr>
</tbody>
</table>

#### Supply

**Opening Inventory**

<table>
<thead>
<tr>
<th>FROM Volumetric Summary Activity Table</th>
<th>INVOP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year to date opening inventory is from January</td>
<td></td>
</tr>
</tbody>
</table>

**Production**

- Plant/Gathering System Process
- Refinery Process
- Fractionation Yield

**Total Production**

CALCULATED: Sum of Production volumes

- FROM Volumetric Summary Activity Table
- TOTPROC ** Volume of Butanes produced from field facility (Battery, Gas Gathering System, Gas Plant)
- FROM Volumetric Reporting Activity Table
- Source=ABOT, ACTIVITY=REC, Dest=ABRF ** Volume of Butanes produced at Refinery
- FROM Volumetric Summary Activity Table
- TOTFRAC ** Volume of Butanes produced from Gas receipts at Fractionation facility

#### Intra-Alberta Receipts

<table>
<thead>
<tr>
<th>FROM Volumetric Reporting Activity Table</th>
<th>Source=ABOT, ABGE or ABMC, ACTIVITY=REC, Dest=AB_Facility ** Volume of Butanes received from non AER regulated facility</th>
</tr>
</thead>
</table>

**Imports**

<table>
<thead>
<tr>
<th>FROM Volumetric Reporting Activity Table</th>
<th>Source=^AB, ACTIVITY=REC, Dest=AB_Facility ** Volume of Butanes received from non Alberta source</th>
</tr>
</thead>
</table>

**Closing Inventory**

<table>
<thead>
<tr>
<th>FROM Volumetric Summary Activity Table</th>
<th>INVC1 Year to date closing inventory is from the most current month reporting</th>
</tr>
</thead>
</table>

**Adjustments**

<table>
<thead>
<tr>
<th>FROM Volumetric Summary Activity Table</th>
<th>INVADJ PLUS IMBAL PLUS DIFF (can be either positive or negative)</th>
</tr>
</thead>
</table>

**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
- Alberta Injection
- Alberta Other Sales

**Total Alberta Use**

CALCULATED: Sum of Butanes reported as Oil & Equivalent PLUS Alberta Injection PLUS Alberta Other Sales

**Other Canada**

- British Columbia
- Saskatchewan
- Ontario
- Quebec
- NWT/Yukon/Nunavut

**Total Other Canada**

CALCULATED: Sum of Other Canada

**USA Removals**

- PADD 1
- PADD 2
- PADD 3
- PADD 4
- PADD 5

**Total USA Removals**

CALCULATED: Sum of USA Removals

**Offshore Removals**

<table>
<thead>
<tr>
<th>FROM Volumetric Reporting Activity Table</th>
<th>Source=AB_Facility, ACTIVITY=DISP, Dest=OS PLUS Source=NEB Pipeline, ACTIVITY=DISP ** NEB Disposition of Butanes removals - audit</th>
</tr>
</thead>
</table>

**Total Removals From Alberta**

CALCULATED: Sum of USA Removals and Offshore Removals

**Reporting Adjustment**

CALCULATED: Reporting Adjustment DIVIDED BY TOTAL SUPPLY AS PERCENT VALUE

**TOTAL DISPOSITION**

CALCULATED: EQiAs to TOTAL SUPPLY

---

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

**Unit = m³**

**Run Date:** 29 April 2019

<table>
<thead>
<tr>
<th></th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Year To Date</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SUPPLY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>792,661.9</td>
</tr>
<tr>
<td>Operating Inventory</td>
<td>792,661.9</td>
<td>700,883.4</td>
<td>663,462.6</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>792,661.9</td>
</tr>
<tr>
<td><strong>Production</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Plant/Gathering System Process</td>
<td>61,411.4</td>
<td>77,719.4</td>
<td>53,175.7</td>
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<td>-</td>
<td>-</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>192,806.5</td>
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<tr>
<td>Refinery Process</td>
<td>1,073.7</td>
<td>1,717.1</td>
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<td>-</td>
<td>-</td>
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<td>-</td>
<td>2,790.8</td>
</tr>
<tr>
<td>Fractionation Yield</td>
<td>500,456.7</td>
<td>417,715.8</td>
<td>474,309.4</td>
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<td>-</td>
<td>1,392,481.9</td>
</tr>
<tr>
<td><strong>Total Production</strong></td>
<td>562,941.8</td>
<td>497,152.3</td>
<td>527,485.1</td>
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<td>-</td>
<td>1,587,579.2</td>
</tr>
<tr>
<td><strong>Intra-Alberta Receipts</strong></td>
<td>7,043.5</td>
<td>6,578.2</td>
<td>11,261.9</td>
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<td>-</td>
<td>-</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>24,883.6</td>
</tr>
<tr>
<td>Imports</td>
<td>10,099.9</td>
<td>9,436.6</td>
<td>11,145.3</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>30,681.8</td>
</tr>
<tr>
<td>Closing Inventory</td>
<td>700,883.4</td>
<td>663,462.6</td>
<td>603,222.5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>603,222.5</td>
</tr>
<tr>
<td>Adjustments</td>
<td>(2,058.7)</td>
<td>1,291.2</td>
<td>15,473.9</td>
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<td>-</td>
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<td>-</td>
<td>-</td>
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<td>-</td>
<td>14,706.4</td>
</tr>
<tr>
<td><strong>TOTAL BUTANE SUPPLY</strong></td>
<td>669,805.0</td>
<td>551,879.1</td>
<td>625,606.3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,847,290.4</td>
</tr>
</tbody>
</table>

### Disposition

**Alberta Use**

- Butane Reported as Oil & Equivalent: 201,077.1 m³
- Alberta Injection: 0.4 m³
- Alberta Other Sales: 275,459.9 m³

**Total Alberta Use:** 476,537.4 m³

**Other Canada**

- British Columbia: 60.1 m³
- Saskatchewan: 9,583.3 m³
- Manitoba: - m³
- Ontario: 1,800.8 m³
- Quebec: 1,440.2 m³
- Maritime: - m³
- NWT Yukon Nunavut: - m³

**Total Other Canada:** 12,844.4 m³

**USA Removals**

- PADD 1: 19,127.3 m³
- PADD 2: 16,831.1 m³
- PADD 3: 13,104.6 m³
- PADD 4: 3,385.6 m³
- PADD 5: 114,731.9 m³

**Total USA Removals:** 187,180.5 m³

**Offshore Removals:** - m³

**Total Removals from Alberta:** 180,649.4 m³

**Reporting Adjustment as percent**

- 1,97%
- 2,43%
- 0,29%

**TOTAL DISPOSITION**

- 669,805.0 m³
- 551,879.1 m³
- 625,606.3 m³

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