### 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.

### SUPPLY

#### Opening Inventory

<table>
<thead>
<tr>
<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>
</tr>
</thead>
</table>

**Year to date opening inventory is from January**

#### Production

**Plant/Gathering System Process**

<table>
<thead>
<tr>
<th>Source</th>
<th>Activity</th>
<th>Dest</th>
<th><strong>Volume of Butanes produced from field facility (Battery, Gas Gathering System, Gas Plant)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Source</td>
<td>Activity</td>
<td>Dest</td>
<td><strong>Volume of Butanes produced at Refinery</strong></td>
</tr>
<tr>
<td>Source</td>
<td>Activity</td>
<td>Dest</td>
<td><strong>Volume of Butanes produced from Gas receipts at Fractionation facility</strong></td>
</tr>
</tbody>
</table>

**CALCULATED**: **Sum of Production volumes**

#### Intra-Alberta Receipts

<table>
<thead>
<tr>
<th>Source</th>
<th>Activity</th>
<th>Dest</th>
<th><strong>Volume of Butanes received from non AER regulated facility</strong></th>
</tr>
</thead>
</table>

**CALCULATED**: **Sum of Intra-Alberta Receipts**

#### Total Production

<table>
<thead>
<tr>
<th>Source</th>
<th>Activity</th>
<th>Dest</th>
<th><strong>Volume of Butanes received from non Alberta source</strong></th>
</tr>
</thead>
</table>

**CALCULATED**: **Total Production**

#### Total Supply

<table>
<thead>
<tr>
<th>Source</th>
<th>Activity</th>
<th>Dest</th>
<th><strong>Volume of Butanes reported sent to non AER regulated facility</strong></th>
</tr>
</thead>
</table>

**CALCULATED**: **Total Supply**

### DISPOSITION

#### Alberta Use

**Butanes Reported as Oil & Equivalent**

**CALCULATED**: **Sum of all facilities: C4 supply - C4 disposition**

**CALCULATED**: **Sum of Butanes reported as Oil & Equivalent**

#### Other Canada

**British Columbia**

**Saskatchewan**

**Ontario**

**Quebec**

**Maritimes**

**NWT/Yukon/Nunavut**

**CALCULATED**: **Sum of Other Canada**

**CALCULATED**: **Total Other Canada**

#### USA Removals

**PADD 1**

**PADD 2**

**PADD 3**

**PADD 4**

**PADD 5**

**CALCULATED**: **Sum of USA Removals**

**CALCULATED**: **NEB Disposition of Butanes removals - audit**

#### Offshore Removals

**CALCULATED**: **Sum of Offshore Removals**

### Reporting Adjustment

**CALCULATED**: **Reporting Adjustment**

**CALCULATED**: **Total Removals from Alberta**

**CALCULATED**: **Reporting Adjustment as percent**

**CALCULATED**: **TOTAL DISPOSITION**

**CALCULATED**: **EQoAs 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 = m$^3$

**Run Date:** 27 September 2019

<table>
<thead>
<tr>
<th>Year To Date</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>
</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>
</tr>
<tr>
<td>Opening Inventory</td>
<td>792,661.9</td>
<td>700,883.4</td>
<td>663,462.6</td>
<td>603,222.5</td>
<td>511,509.5</td>
<td>479,382.5</td>
<td>471,495.2</td>
<td>492,259.7</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>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant/Gathering System Process</td>
<td>61,411.4</td>
<td>75,225.9</td>
<td>52,133.9</td>
<td>81,873.4</td>
<td>57,741.1</td>
<td>37,748.1</td>
<td>57,959.5</td>
<td>60,079.1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>484,172.4</td>
</tr>
<tr>
<td>Refinery Process</td>
<td>1,073.7</td>
<td>1,717.1</td>
<td>-</td>
<td>186.0</td>
<td>1,786.4</td>
<td>-</td>
<td>2,181.6</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>6,944.8</td>
</tr>
<tr>
<td>Fractionation Yield</td>
<td>500,342.6</td>
<td>417,715.8</td>
<td>474,309.4</td>
<td>443,246.0</td>
<td>460,170.8</td>
<td>429,837.3</td>
<td>460,073.1</td>
<td>489,526.9</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3,675,221.9</td>
</tr>
<tr>
<td><strong>Total Production</strong></td>
<td>562,877.7</td>
<td>494,658.8</td>
<td>526,443.3</td>
<td>525,305.4</td>
<td>517,911.9</td>
<td>469,371.8</td>
<td>518,032.6</td>
<td>551,787.6</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4,166,339.1</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>
<td>6,754.8</td>
<td>9,782.8</td>
<td>34,528.0</td>
<td>6,147.8</td>
<td>16,747.1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>98,844.1</td>
</tr>
<tr>
<td><strong>Imports</strong></td>
<td>10,099.9</td>
<td>9,436.6</td>
<td>11,261.3</td>
<td>16,508.9</td>
<td>18,430.2</td>
<td>20,487.6</td>
<td>24,693.8</td>
<td>23,748.8</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>134,667.1</td>
</tr>
<tr>
<td><strong>Closing Inventory</strong></td>
<td>700,883.4</td>
<td>663,462.6</td>
<td>603,222.5</td>
<td>511,509.5</td>
<td>479,382.5</td>
<td>471,495.2</td>
<td>492,259.7</td>
<td>570,017.3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>570,000.0</td>
</tr>
<tr>
<td>Adjustments</td>
<td>(2,058.7)</td>
<td>1,291.2</td>
<td>15,473.9</td>
<td>(791.3)</td>
<td>(5,895.9)</td>
<td>(10,169.3)</td>
<td>(6,041.7)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>(18,702.0)</td>
</tr>
<tr>
<td><strong>TOTAL BUTANE SUPPLY</strong></td>
<td>669,690.9</td>
<td>549,385.6</td>
<td>624,680.5</td>
<td>639,490.8</td>
<td>572,356.0</td>
<td>522,105.4</td>
<td>517,599.5</td>
<td>508,500.5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4,603,809.2</td>
</tr>
</tbody>
</table>

### DISPOSITION

**Alberta Use**

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

**Total Alberta Use:** 476,537.4

**Other Canada**

- British Columbia: 60.1
- Saskatchewan: 9,469.2
- Manitoba: -
- Ontario: 1,800.8
- Quebec: 1,440.2
- Maritime: -
- NWT Yukon Nunavut: -

**Total Other Canada:** 12,770.3

**USA Removals**

- PADD 1: 19,127.3
- PADD 2: 16,831.1
- PADD 3: 13,104.6
- PADD 4: 3,385.0
- PADD 5: 114,731.9

**Total USA Removals:** 167,180.5

**Offshore Removals**

**Total Removals From Alberta:** 179,950.8

**Reporting Adjustment as percent**

- 13,202.7

**TOTAL DISPOSITION**

- 669,690.9

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