### Supply and Disposition of Crude Oil and Equivalent

**Unit:** 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.

<table>
<thead>
<tr>
<th>Year To Date</th>
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</tr>
</thead>
</table>

### Production

- **Conventional Oil**
  - 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 Conventional Oil Production**
  - CALCULATED: SUM of Conventional Oil Production

- **Condensate Production**
  - FROM Volumetric Reporting Activity Table
    - Activity=PROD, Fluid=COND

- **Oil Sands Production**
  - **Non-Upgraded Production**
    - **In Situ Production**
      - FROM Volumetric Reporting Activity Table
        - Activity=PROD, FLUID=COND
    - **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)
  - **Non-Upgraded Production Total**
    - CALCULATED: SUM of Non-Upgraded Production
  - **Upgraded Production**
    - FROM Volumetric Reporting Activity Table
      - Activity=PROD, FLUID=SYNCRD
      - Activity=FURPROC, FLUID=SYNCRD (set as negative)
  - **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 Reporting 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

- **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**
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)

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

<table>
<thead>
<tr>
<th></th>
<th>Jan</th>
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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 Reporting 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

- m3/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 NEB pipelines. Final destinations are not reported into PETRINEX.

For more information regarding oil removals (Canada and US destinations) please see http://www.neb-one.gc.ca/nrg/sttstc/crdlndptrlmprdct/index-eng.html
**Supply and Disposition of Crude Oil and Equivalent**

**Unit = m³**

**Run Date:** 27 September 2019

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</table>

### SUPPLY

#### Opening Inventory

|         | 11,868,339.3 | 10,877,254.9 | 11,440,683.3 | 11,600,054.5 | 11,991,058.7 | 11,389,873.5 | 10,948,437.7 | 10,390,930.1 | -   | -   | -   | 11,868,339.3 |

#### Production

**Conventional Oil**

<table>
<thead>
<tr>
<th>Type</th>
<th>Opening</th>
<th>Production</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude Oil Light</td>
<td>1,384,769.7</td>
<td>1,394,450.5</td>
<td>2,399,220.2</td>
</tr>
<tr>
<td>Crude Oil Medium</td>
<td>470,264.8</td>
<td>453,141.0</td>
<td>923,405.8</td>
</tr>
<tr>
<td>Crude Oil Heavy</td>
<td>185,028.1</td>
<td>181,672.3</td>
<td>366,700.4</td>
</tr>
<tr>
<td>Crude Oil Ultra Heavy</td>
<td>385,818.5</td>
<td>368,211.3</td>
<td>754,030.0</td>
</tr>
</tbody>
</table>

#### Total Conventional Oil Production

|         | 2,399,901.1 | 2,124,008.1 | 2,431,314.8 | 2,373,333.3 | 2,383,857.3 | 2,277,581.2 | 2,364,421.9 | -   | -   | -   | 18,722,859.3 |

#### Condensate Production

|         | 435,485.8 | 379,468.2 | 472,743.5 | 442,020.5 | 447,583.9 | -   | -   | 3,450,072.9 |

### Total Production

|         | 16,803,183.2 | 15,298,004.9 | 17,110,974.6 | 16,973,419.5 | 16,690,481.2 | 17,652,261.3 | 17,812,405.8 | -   | -   | -   | 135,226,424.1 |

#### Receipts

**Pentanes Plus - Plant/Gathering Process**

|         | 877,792.8 | 769,917.8 | 859,426.0 | 854,557.6 | 891,694.1 | 940,776.6 | -   | 6,957,955.3 |

**Pentanes Plus - Fractionation Yield**

|         | 319,522.9 | 264,639.0 | 306,566.6 | 289,193.9 | 300,331.9 | 295,471.3 | 306,893.9 | 322,429.2 | 2,405,027.7 |

**Skin Oil Recovered**

|         | 10,994.1 | 12,908.1 | 14,133.3 | 13,564.3 | 12,924.1 | 11,045.2 | 11,500.1 | 11,520.2 | 98,569.5 |

**Waste Plant Receipts**

|         | 19,164.1 | 19,187.9 | 27,529.1 | 23,619.6 | 22,301.1 | 20,087.0 | 16,934.2 | -   | 172,431.4 |

**Other Alberta Receipts**

|         | 181,703.0 | 169,287.5 | 228,312.7 | 224,496.6 | 197,936.9 | 204,989.8 | 155,273.0 | 132,319.5 | 1,514,072.0 |

**Total Oil Sands Production**

|         | 13,967,796.3 | 12,794,348.6 | 14,251,916.3 | 14,185,321.6 | 13,844,749.8 | 14,197,185.0 | 14,863,054.7 | 14,996,380.3 | 113,073,491.9 |

**Total Receipts**

|         | 3,554,574.1 | 3,181,672.9 | 3,596,418.9 | 3,601,641.3 | 3,714,546.1 | 3,272,510.9 | 3,431,298.8 | 3,607,248.2 | 27,959,935.5 |

#### Flare or Waste

|         | 181,407.3 | 166,984.9 | 181,639.0 | 181,639.3 | 181,593.2 | 181,350.1 | 220,600.3 | -   | 1,546,699.2 |

#### Fuel

|         | 94,978.3 | 91,486.2 | 92,884.6 | 92,884.6 | 91,733.1 | 99,217.4 | 87,678.9 | 78,145.6 | 725,575.3 |

#### Total Imports

|         | 5,975,723.5 | 5,208,986.4 | 5,679,010.4 | 5,468,700.0 | 5,640,721.2 | 5,990,114.2 | 5,469,700.0 | 5,990,114.2 | 46,746,398.5 |

#### Total Receipts

|         | 16,803,183.2 | 15,298,004.9 | 17,110,974.6 | 16,973,419.5 | 16,690,481.2 | 17,652,261.3 | 17,812,405.8 | -   | 135,226,424.1 |

#### Flare or Waste

|         | 181,407.3 | 166,984.9 | 181,639.0 | 181,639.3 | 181,593.2 | 181,350.1 | 220,600.3 | -   | 1,546,699.2 |

#### Fuel

|         | 94,978.3 | 91,486.2 | 92,884.6 | 92,884.6 | 91,733.1 | 99,217.4 | 87,678.9 | 78,145.6 | 725,575.3 |

#### Shrinkage

|         | 256,437.3 | 228,103.3 | 240,011.9 | 240,011.9 | 240,011.9 | 240,011.9 | 240,011.9 | 240,011.9 | 2,004,287.8 |
## Closing Inventory

<table>
<thead>
<tr>
<th>10877254.9</th>
<th>11440683.3</th>
<th>11600054.5</th>
<th>11398973.5</th>
<th>10948415.3</th>
<th>10391206.5</th>
<th>10442960.9</th>
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</thead>
</table>

## Adjustments

<table>
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<tr>
<th>(177,024.3)</th>
<th>(13,403.1)</th>
<th>(259,749.7)</th>
<th>(94,316.3)</th>
<th>(31,048.5)</th>
<th>(33,874.9)</th>
<th>(107,174.9)</th>
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## TOTAL OIL & EQUIVALENT SUPPLY

<table>
<thead>
<tr>
<th>20,638,994.5</th>
<th>17,416,291.7</th>
<th>19,750,375.4</th>
<th>19,562,360.2</th>
<th>20,428,104.9</th>
<th>20,080,409.8</th>
<th>21,044,989.2</th>
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<tr>
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### Year To Date Run Date: 27 September 2019

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</table>

### DISPOSITION

#### Alberta Use

- **Alberta Injection and well use**
  - 17,456.8
  - 6,755.8
  - 2,601.8
  - -
  - -
  - -
  - 11,813.4
  - 24,983.9
  - -
  - -
  - -
  - -
  - -
  - 63,611.7

- **Alberta Refinery Sales**
  - 2,239,915.0
  - 2,128,041.8
  - 2,382,044.7
  - 2,202,430.2
  - 2,407,868.9
  - 2,360,809.1
  - 2,367,494.8
  - 2,454,740.9
  - -
  - -
  - -
  - -
  - -
  - 18,543,345.4

- **Waste Plant Use**
  - 35,289.7
  - 19,128.5
  - 23,962.5
  - 20,465.9
  - 17,569.8
  - 20,623.5
  - 15,571.0
  - 16,719.0
  - -
  - -
  - -
  - -
  - -
  - 169,308.7

- **Plant Use**
  - 23,513.4
  - 7,192.0
  - 17,491.5
  - (1,150.6)
  - 23,678.1
  - 16,589.5
  - 37,436.2
  - 19,975.6
  - -
  - -
  - -
  - -
  - -
  - 144,725.7

- **Line Fill**
  - -
  - -
  - -
  - 103.0
  - -
  - -
  - -
  - -
  - -
  - -
  - -
  - 103.0

- **Load Fluid**
  - (1,999.4)
  - (4,567.8)
  - 2,176.4
  - (13,783.2)
  - (30,906.3)
  - (12,564.3)
  - (18,378.1)
  - (18,550.9)
  - -
  - -
  - -
  - -
  - -
  - (78,573.6)

### Reporting Adjustment

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<th>-31,064.0</th>
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<th>(297,951.9)</th>
<th>(268,748.6)</th>
<th>(959,566.9)</th>
<th>(33,463.6)</th>
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### TOTAL OIL & EQUIVALENT DISPOSITION

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Reporting adjustment may also include fluctuations in NEB pipeline inventories.