

# EQUALIZATION STEERING COMMITTEE

January 14, 2019

## Condensate Equalization Data

On behalf of the industry Equalization Steering Committee and per the Condensate Equalization Procedures (December 2014), the following information is to be used in the quality differential calculations for the production month of:

**December 2018**

### SUMMARY OUTPUT

Based on the model inputs, the Equalization results are:

**Density Slope: \$ 0.54 \$Cdn / m3 per kg/m3**  
Calculated Density            922.7 kg / m3

### SUMMARY INPUT

The variables used in the calculation of the density slope are as follows:

Condensate Allowance Price:	\$	255.12	\$Cdn / m3
Heavy Allowance Price:	\$	59.63	\$Cdn / m3
Enbridge Reference Temperature:		8.98	Celsius
Average Condensate Density:		744.5	kg / m3

### ADDITIONAL INFORMATION

<sup>1</sup> Sulphur: \$ 1.38 \$Cdn / m3 per 0.1 wt%

All quality adjustments should be calculated using the following reference values:

* Deemed C4-	Less than or equal to 5.0 vol% = no penalty
	Greater than 5.0 vol% = zero value
Density:	750.0 kg / m3
Sulphur:	0.2 wt%

For any clarification pertaining to this matter, please feel free to contact members of the Equalization Steering Committee.

<https://www.industryeq.ca/contact/>

\* Effective February 2013 production, the butane valuation in the condensate stream WADF calculation has been amended.

<https://www.industryeq.ca/eq-documentation/>

See notice in *Change to Butane Valuation in Stream WADF Calculation* link.

<sup>[1]</sup> Effective February 1, 2015, the sulphur penalty is 1.38 \$Cdn/m<sup>3</sup> per 0.1 wt% sulphur. On December 17, 2014 industry voted to carry forward the current crude equalization scale indefinitely with an annual review.

# EQUALIZATION STEERING COMMITTEE

December 13, 2018

## Condensate Equalization Data

On behalf of the industry Equalization Steering Committee and per the Condensate Equalization Procedures (December 2014), the following information is to be used in the quality differential calculations for the production month of:

**November 2018**

### SUMMARY OUTPUT

Based on the model inputs, the Equalization results are:

**Density Slope: \$ 0.83 \$Cdn / m3 per kg/m3**  
Calculated Density      926.4 kg / m3

### SUMMARY INPUT

The variables used in the calculation of the density slope are as follows:

Condensate Allowance Price: \$ 383.01 \$Cdn / m3  
Heavy Allowance Price: \$ 98.76 \$Cdn / m3  
Enbridge Reference Temperature: 11.50 Celsius  
Average Condensate Density: 754.2 kg / m3

### ADDITIONAL INFORMATION

<sup>1</sup> Sulphur: \$ 1.38 \$Cdn / m3 per 0.1 wt%

All quality adjustments should be calculated using the following reference values:

\* Deemed C4-      Less than or equal to 5.0 vol% = no penalty  
                                 Greater than 5.0 vol% = zero value  
Density:            750.0 kg / m3  
Sulphur:            0.2 wt%

For any clarification pertaining to this matter, please feel free to contact members of the Equalization Steering Committee.

<https://www.industryeq.ca/contact/>

\* Effective February 2013 production, the butane valuation in the condensate stream WADF calculation has been amended.

<https://www.industryeq.ca/eq-documentation/>

See notice in *Change to Butane Valuation in Stream WADF Calculation* link.

<sup>[1]</sup> Effective February 1, 2015, the sulphur penalty is 1.38 \$Cdn/m<sup>3</sup> per 0.1 wt% sulphur. On December 17, 2014 industry voted to carry forward the current crude equalization scale indefinitely with an annual review.

# EQUALIZATION STEERING COMMITTEE

REVISED

November 15, 2018

## Condensate Equalization Data

On behalf of the industry Equalization Steering Committee and per the Condensate Equalization Procedures (December 2014), the following information is to be used in the quality differential calculations for the production month of:

**October 2018**

### SUMMARY OUTPUT

Based on the model inputs, the Equalization results are:

**Density Slope: \$ 0.43 \$Cdn / m3 per kg/m3**  
Calculated Density            930.1 kg / m3

### SUMMARY INPUT

The variables used in the calculation of the density slope are as follows:

Condensate Allowance Price: \$ 482.84 \$Cdn / m3  
Heavy Allowance Price: \$ 327.75 \$Cdn / m3  
Enbridge Reference Temperature: 14.73 Celsius  
Average Condensate Density: 750.7 kg / m3

### ADDITIONAL INFORMATION

<sup>1</sup> Sulphur: \$ 1.38 \$Cdn / m3 per 0.1 wt%

All quality adjustments should be calculated using the following reference values:

\* Deemed C4-      Less than or equal to 5.0 vol% = no penalty  
                                 Greater than 5.0 vol% = zero value  
Density:            750.0 kg / m3  
Sulphur:            0.2 wt%

For any clarification pertaining to this matter, please feel free to contact members of the Equalization Steering Committee.

<https://www.industryeq.ca/contact/>

\* Effective February 2013 production, the butane valuation in the condensate stream WADF calculation has been amended.

<https://www.industryeq.ca/eq-documentation/>

See notice in *Change to Butane Valuation in Stream WADF Calculation* link.

<sup>[1]</sup> Effective February 1, 2015, the sulphur penalty is 1.38 \$Cdn/m<sup>3</sup> per 0.1 wt% sulphur. On December 17, 2014 industry voted to carry forward the current crude equalization scale indefinitely with an annual review.

# EQUALIZATION STEERING COMMITTEE

October 15, 2018

## Condensate Equalization Data

On behalf of the industry Equalization Steering Committee and per the Condensate Equalization Procedures (December 2014), the following information is to be used in the quality differential calculations for the production month of:

**September 2018**

### SUMMARY OUTPUT

Based on the model inputs, the Equalization results are:

**Density Slope: \$ 0.60 \$Cdn / m3 per kg/m3**  
Calculated Density      933.3 kg / m3

### SUMMARY INPUT

The variables used in the calculation of the density slope are as follows:

Condensate Allowance Price: \$ 552.34 \$Cdn / m3  
Heavy Allowance Price: \$ 329.34 \$Cdn / m3  
Enbridge Reference Temperature: 17.75 Celsius  
Average Condensate Density: 741.5 kg / m3

### ADDITIONAL INFORMATION

<sup>1</sup> Sulphur: \$ 1.38 \$Cdn / m3 per 0.1 wt%

All quality adjustments should be calculated using the following reference values:

\* Deemed C4-      Less than or equal to 5.0 vol% = no penalty  
                                 Greater than 5.0 vol% = zero value  
Density:            750.0 kg / m3  
Sulphur:            0.2 wt%

For any clarification pertaining to this matter, please feel free to contact members of the Equalization Steering Committee.

<https://www.industryeq.ca/contact/>

\* Effective February 2013 production, the butane valuation in the condensate stream WADF calculation has been amended.

<https://www.industryeq.ca/eq-documentation/>

See notice in *Change to Butane Valuation in Stream WADF Calculation* link.

<sup>[1]</sup> Effective February 1, 2015, the sulphur penalty is 1.38 \$Cdn/m<sup>3</sup> per 0.1 wt% sulphur. On December 17, 2014 industry voted to carry forward the current crude equalization scale indefinitely with an annual review.

# EQUALIZATION STEERING COMMITTEE

September 17, 2018

## Condensate Equalization Data

On behalf of the industry Equalization Steering Committee and per the Condensate Equalization Procedures (December 2014), the following information is to be used in the quality differential calculations for the production month of:

**August 2018**

### SUMMARY OUTPUT

Based on the model inputs, the Equalization results are:

**Density Slope: \$ 0.35 \$Cdn / m3 per kg/m3**  
Calculated Density      934.1 kg / m3

### SUMMARY INPUT

The variables used in the calculation of the density slope are as follows:

Condensate Allowance Price: \$ 532.13 \$Cdn / m3  
Heavy Allowance Price: \$ 398.74 \$Cdn / m3  
Enbridge Reference Temperature: 18.26 Celsius  
Average Condensate Density: 744.5 kg / m3

### ADDITIONAL INFORMATION

<sup>1</sup> Sulphur: \$ 1.38 \$Cdn / m3 per 0.1 wt%

All quality adjustments should be calculated using the following reference values:

\* Deemed C4-      Less than or equal to 5.0 vol% = no penalty  
                                 Greater than 5.0 vol% = zero value  
Density:            750.0 kg / m3  
Sulphur:            0.2 wt%

For any clarification pertaining to this matter, please feel free to contact members of the Equalization Steering Committee.

<https://www.industryeq.ca/contact/>

\* Effective February 2013 production, the butane valuation in the condensate stream WADF calculation has been amended.

<https://www.industryeq.ca/eq-documentation/>

See notice in *Change to Butane Valuation in Stream WADF Calculation* link.

<sup>[1]</sup> Effective February 1, 2015, the sulphur penalty is 1.38 \$Cdn/m<sup>3</sup> per 0.1 wt% sulphur. On December 17, 2014 industry voted to carry forward the current crude equalization scale indefinitely with an annual review.

# EQUALIZATION STEERING COMMITTEE

August 13, 2018

## Condensate Equalization Data

On behalf of the industry Equalization Steering Committee and per the Condensate Equalization Procedures (December 2014), the following information is to be used in the quality differential calculations for the production month of:

**July 2018**

### SUMMARY OUTPUT

Based on the model inputs, the Equalization results are:

**Density Slope: \$ 0.33 \$Cdn / m3 per kg/m3**  
Calculated Density      931.6 kg / m3

### SUMMARY INPUT

The variables used in the calculation of the density slope are as follows:

Condensate Allowance Price: \$ 564.63 \$Cdn / m3  
Heavy Allowance Price: \$ 432.46 \$Cdn / m3  
Enbridge Reference Temperature: 16.52 Celsius  
Average Condensate Density: 737.0 kg / m3

### ADDITIONAL INFORMATION

<sup>1</sup> Sulphur: \$ 1.38 \$Cdn / m3 per 0.1 wt%

All quality adjustments should be calculated using the following reference values:

\* Deemed C4-      Less than or equal to 5.0 vol% = no penalty  
                                 Greater than 5.0 vol% = zero value  
Density:            750.0 kg / m3  
Sulphur:            0.2 wt%

For any clarification pertaining to this matter, please feel free to contact members of the Equalization Steering Committee.

<https://www.industryeq.ca/contact/>

\* Effective February 2013 production, the butane valuation in the condensate stream WADF calculation has been amended.

<https://www.industryeq.ca/eq-documentation/>

See notice in *Change to Butane Valuation in Stream WADF Calculation* link.

<sup>[1]</sup> Effective February 1, 2015, the sulphur penalty is 1.38 \$Cdn/m<sup>3</sup> per 0.1 wt% sulphur. On December 17, 2014 industry voted to carry forward the current crude equalization scale indefinitely with an annual review.

# EQUALIZATION STEERING COMMITTEE

July 13, 2018

## Condensate Equalization Data

On behalf of the industry Equalization Steering Committee and per the Condensate Equalization Procedures (December 2014), the following information is to be used in the quality differential calculations for the production month of:

**June 2018**

### SUMMARY OUTPUT

Based on the model inputs, the Equalization results are:

**Density Slope: \$ 0.31 \$Cdn / m3 per kg/m3**  
Calculated Density      928.8 kg / m3

### SUMMARY INPUT

The variables used in the calculation of the density slope are as follows:

Condensate Allowance Price: \$ 549.84 \$Cdn / m3  
Heavy Allowance Price: \$ 427.05 \$Cdn / m3  
Enbridge Reference Temperature: 14.00 Celsius  
Average Condensate Density: 743.4 kg / m3

### ADDITIONAL INFORMATION

<sup>1</sup> Sulphur: \$ 1.38 \$Cdn / m3 per 0.1 wt%

All quality adjustments should be calculated using the following reference values:

\* Deemed C4-      Less than or equal to 5.0 vol% = no penalty  
                                 Greater than 5.0 vol% = zero value  
Density:            750.0 kg / m3  
Sulphur:            0.2 wt%

For any clarification pertaining to this matter, please feel free to contact members of the Equalization Steering Committee.

<https://www.industryeq.ca/contact/>

\* Effective February 2013 production, the butane valuation in the condensate stream WADF calculation has been amended.

<https://www.industryeq.ca/eq-documentation/>

See notice in *Change to Butane Valuation in Stream WADF Calculation* link.

<sup>[1]</sup> Effective February 1, 2015, the sulphur penalty is 1.38 \$Cdn/m<sup>3</sup> per 0.1 wt% sulphur. On December 17, 2014 industry voted to carry forward the current crude equalization scale indefinitely with an annual review.

# EQUALIZATION STEERING COMMITTEE

June 15, 2018

## Condensate Equalization Data

On behalf of the industry Equalization Steering Committee and per the Condensate Equalization Procedures (December 2014), the following information is to be used in the quality differential calculations for the production month of:

**May 2018**

### SUMMARY OUTPUT

Based on the model inputs, the Equalization results are:

**Density Slope: \$ 0.36 \$Cdn / m3 per kg/m3**  
Calculated Density      924.2 kg / m3

### SUMMARY INPUT

The variables used in the calculation of the density slope are as follows:

Condensate Allowance Price: \$ 574.42 \$Cdn / m3  
Heavy Allowance Price: \$ 428.33 \$Cdn / m3  
Enbridge Reference Temperature: 10.53 Celsius  
Average Condensate Density: 737.1 kg / m3

### ADDITIONAL INFORMATION

<sup>1</sup> Sulphur: \$ 1.38 \$Cdn / m3 per 0.1 wt%

All quality adjustments should be calculated using the following reference values:

\* Deemed C4-      Less than or equal to 5.0 vol% = no penalty  
                                 Greater than 5.0 vol% = zero value  
Density:            750.0 kg / m3  
Sulphur:            0.2 wt%

For any clarification pertaining to this matter, please feel free to contact members of the Equalization Steering Committee.

<https://www.industryeq.ca/contact/>

\* Effective February 2013 production, the butane valuation in the condensate stream WADF calculation has been amended.

<https://www.industryeq.ca/eq-documentation/>

See notice in *Change to Butane Valuation in Stream WADF Calculation* link.

<sup>[1]</sup> Effective February 1, 2015, the sulphur penalty is 1.38 \$Cdn/m<sup>3</sup> per 0.1 wt% sulphur. On December 17, 2014 industry voted to carry forward the current crude equalization scale indefinitely with an annual review.



# EQUALIZATION STEERING COMMITTEE

May 14, 2018

## Condensate Equalization Data

On behalf of the industry Equalization Steering Committee and per the Condensate Equalization Procedures (December 2014), the following information is to be used in the quality differential calculations for the production month of:

**April 2018**

### SUMMARY OUTPUT

Based on the model inputs, the Equalization results are:

**Density Slope: \$ 0.61 \$Cdn / m3 per kg/m3**  
Calculated Density 921.1 kg / m3

### SUMMARY INPUT

The variables used in the calculation of the density slope are as follows:

Condensate Allowance Price: \$ 556.36 \$Cdn / m3  
Heavy Allowance Price: \$ 318.27 \$Cdn / m3  
Enbridge Reference Temperature: 8.00 Celsius  
Average Condensate Density: 736.8 kg / m3

### ADDITIONAL INFORMATION

<sup>1</sup> Sulphur: \$ 1.38 \$Cdn / m3 per 0.1 wt%

All quality adjustments should be calculated using the following reference values:

\* Deemed C4- Less than or equal to 5.0 vol% = no penalty  
Greater than 5.0 vol% = zero value  
Density: 750.0 kg / m3  
Sulphur: 0.2 wt%

For any clarification pertaining to this matter, please feel free to contact members of the Equalization Steering Committee.

<http://www.capp.ca/raw.asp?x=1&dt=NTV&e=PDF&dn=88303>

\* Effective February 2013 production, the butane valuation in the condensate stream WADF calculation has been amended. <http://www.capp.ca/library/relatedLinks/Pages/EqualizationSteeringCommittee.aspx> (see notice in Equalization Steering Committee Links)

<sup>[1]</sup> Effective February 1, 2015, the sulphur penalty is 1.38 \$Cdn/m<sup>3</sup> per 0.1 wt% sulphur. On December 17, 2014 industry voted to carry forward the current crude equalization scale indefinitely with an annual review.

# EQUALIZATION STEERING COMMITTEE

April 16, 2018

## Condensate Equalization Data

On behalf of the industry Equalization Steering Committee and per the Condensate Equalization Procedures (December 2014), the following information is to be used in the quality differential calculations for the production month of:

**March 2018**

### SUMMARY OUTPUT

Based on the model inputs, the Equalization results are:

**Density Slope: \$ 0.58 \$Cdn / m3 per kg/m3**  
Calculated Density            920.3 kg / m3

### SUMMARY INPUT

The variables used in the calculation of the density slope are as follows:

Condensate Allowance Price: \$ 513.49 \$Cdn / m3  
Heavy Allowance Price: \$ 285.46 \$Cdn / m3  
Enbridge Reference Temperature: 7.50 Celsius  
Average Condensate Density: 733.6 kg / m3

### ADDITIONAL INFORMATION

<sup>1</sup> Sulphur: \$ 1.38 \$Cdn / m3 per 0.1 wt%

All quality adjustments should be calculated using the following reference values:

\* Deemed C4-      Less than or equal to 5.0 vol% = no penalty  
                            Greater than 5.0 vol% = zero value  
Density:            750.0 kg / m3  
Sulphur:            0.2 wt%

For any clarification pertaining to this matter, please feel free to contact members of the Equalization Steering Committee.

<http://www.capp.ca/raw.asp?x=1&dt=NTV&e=PDF&dn=88303>

\* Effective February 2013 production, the butane valuation in the condensate stream WADF calculation has been amended. <http://www.capp.ca/library/relatedLinks/Pages/EqualizationSteeringCommittee.aspx> (see notice in Equalization Steering Committee Links)

<sup>[1]</sup> Effective February 1, 2015, the sulphur penalty is 1.38 \$Cdn/m<sup>3</sup> per 0.1 wt% sulphur. On December 17, 2014 industry voted to carry forward the current crude equalization scale indefinitely with an annual review.

# EQUALIZATION STEERING COMMITTEE

March 15, 2018

## Condensate Equalization Data

On behalf of the industry Equalization Steering Committee and per the Condensate Equalization Procedures (December 2014), the following information is to be used in the quality differential calculations for the production month of:

**February 2018**

### SUMMARY OUTPUT

Based on the model inputs, the Equalization results are:

**Density Slope: \$ 0.47 \$Cdn / m3 per kg/m3**  
Calculated Density 920.5 kg / m3

### SUMMARY INPUT

The variables used in the calculation of the density slope are as follows:

Condensate Allowance Price: \$ 478.77 \$Cdn / m3  
Heavy Allowance Price: \$ 295.01 \$Cdn / m3  
Enbridge Reference Temperature: 7.50 Celsius  
Average Condensate Density: 736.6 kg / m3

### ADDITIONAL INFORMATION

<sup>1</sup> Sulphur: \$ 1.38 \$Cdn / m3 per 0.1 wt%

All quality adjustments should be calculated using the following reference values:

\* Deemed C4- Less than or equal to 5.0 vol% = no penalty  
Greater than 5.0 vol% = zero value  
Density: 750.0 kg / m3  
Sulphur: 0.2 wt%

For any clarification pertaining to this matter, please feel free to contact members of the Equalization Steering Committee.

<http://www.capp.ca/raw.asp?x=1&dt=NTV&e=PDF&dn=88303>

\* Effective February 2013 production, the butane valuation in the condensate stream WADF calculation has been amended. <http://www.capp.ca/library/relatedLinks/Pages/EqualizationSteeringCommittee.aspx> (see notice in Equalization Steering Committee Links)

<sup>[1]</sup> Effective February 1, 2015, the sulphur penalty is 1.38 \$Cdn/m<sup>3</sup> per 0.1 wt% sulphur. On December 17, 2014 industry voted to carry forward the current crude equalization scale indefinitely with an annual review.

# EQUALIZATION STEERING COMMITTEE

February 14, 2018

## Condensate Equalization Data

On behalf of the industry Equalization Steering Committee and per the Condensate Equalization Procedures (December 2014), the following information is to be used in the quality differential calculations for the production month of:

**January 2018**

### SUMMARY OUTPUT

Based on the model inputs, the Equalization results are:

**Density Slope: \$ 0.47 \$Cdn / m3 per kg/m3**  
Calculated Density 920.8 kg / m3

### SUMMARY INPUT

The variables used in the calculation of the density slope are as follows:

Condensate Allowance Price: \$ 512.69 \$Cdn / m3  
Heavy Allowance Price: \$ 328.06 \$Cdn / m3  
Enbridge Reference Temperature: 7.74 Celsius  
Average Condensate Density: 737.7 kg / m3

### ADDITIONAL INFORMATION

<sup>1</sup> Sulphur: \$ 1.38 \$Cdn / m3 per 0.1 wt%

All quality adjustments should be calculated using the following reference values:

\* Deemed C4- Less than or equal to 5.0 vol% = no penalty  
Greater than 5.0 vol% = zero value  
Density: 750.0 kg / m3  
Sulphur: 0.2 wt%

For any clarification pertaining to this matter, please feel free to contact members of the Equalization Steering Committee.

<http://www.capp.ca/raw.asp?x=1&dt=NTV&e=PDF&dn=88303>

\* Effective February 2013 production, the butane valuation in the condensate stream WADF calculation has been amended.  
<http://www.capp.ca/library/relatedLinks/Pages/EqualizationSteeringCommittee.aspx> (see notice in Equalization Steering Committee Links)

<sup>[1]</sup> Effective February 1, 2015, the sulphur penalty is 1.38 \$Cdn/m<sup>3</sup> per 0.1 wt% sulphur. On December 17, 2014 industry voted to carry forward the current crude equalization scale indefinitely with an annual review.