

# Monthly Reference Price Calculations - September 2022

## Gas and In-Stream Component Reference Prices

Gas Reference Price \$4.00 /GJ

Breakdown:

Nova Inventory Transfer Purchase Price-Alberta Market Price from NGX	\$4.293 /GJ
Intra-Alberta Transportation Deduction (IATD)	\$0.209 /GJ
Price Before Pipeline Factor	\$4.084 /GJ
Pipeline Fuel/Loss Factor	0.979
Price Before Amendments	\$3.996 /GJ
Special Amendments	\$0.000 /GJ
Prior Period RP Amendments	\$0.000 /GJ
Calculated RP (Price Before Rounding)	\$3.996 /GJ
Reference Price	\$4.00 /GJ
Adjusted Intra-Alberta Transportation Deduction	\$0.205 /GJ

**Calculated RP = (AMP from NGX - IATD) x Pipeline Fuel/Loss Factor + Prior Period RP Amendments + Special Amendments**  
**Calculated RP = (4.293 - 0.209) x 0.979 + 0.000 + 0.000 = 3.996**

Methane ISC Reference Price \$4.00 /GJ

Breakdown:

Nova Inventory Transfer Purchase Price-Alberta Market Price from NGX	\$4.293 /GJ
Intra-Alberta Transportation Deduction (IATD)	\$0.209 /GJ
Price Before Pipeline Factor	\$4.084 /GJ
Pipeline Fuel/Loss Factor	0.979
Price Before Amendments	\$3.996 /GJ
Special Amendments	\$0.000 /GJ
Prior Period RP Amendments	\$0.000 /GJ
Calculated RP (Price Before Rounding)	\$3.996 /GJ
Reference Price	\$4.00 /GJ
Adjusted Intra-Alberta Transportation Deduction	\$0.205 /GJ

**Calculated RP = (AMP from NGX - IATD) x Pipeline Fuel/Loss Factor + Prior Period RP Amendments + Special Amendments**  
**Calculated RP = (4.293 - 0.209) x 0.979 + 0.000 + 0.000 = 3.996**

Methane ISC Par Price \$4.00 /GJ

Note: Calculations may not agree due to rounding.



# Monthly Reference Price Calculations - September 2022

## Gas and In-Stream Component Reference Prices

### Ethane ISC Reference Price \$4.00 /GJ

Breakdown:

Nova Inventory Transfer Purchase Price-Alberta Market Price from NGX	\$4.293 /GJ
Intra-Alberta Transportation Deduction (IATD)	\$0.209 /GJ
Price Before Pipeline Factor	\$4.084 /GJ
Pipeline Fuel/Loss Factor	0.979
Price Before Amendments	\$3.996 /GJ
Special Amendments	\$0.000 /GJ
Prior Period RP Amendments	\$0.000 /GJ
Calculated RP (Price Before Rounding)	\$3.996 /GJ
Reference Price	\$4.00 /GJ
Adjusted Intra-Alberta Transportation Deduction	\$0.205 /GJ

<b>Calculated RP = (AMP from NGX - IATD) x Pipeline Fuel/Loss Factor + Prior Period RP Amendments + Special Amendments</b> <b>Calculated RP = (4.293 - 0.209) x 0.979 + 0.000 + 0.000 = 3.996</b>
--

### Propane ISC Reference Price \$4.00 /GJ

Breakdown:

Nova Inventory Transfer Purchase Price-Alberta Market Price from NGX	\$4.293 /GJ
Intra-Alberta Transportation Deduction (IATD)	\$0.209 /GJ
Price Before Pipeline Factor	\$4.084 /GJ
Pipeline Fuel/Loss Factor	0.979
Price Before Amendments	\$3.996 /GJ
Special Amendments	\$0.000 /GJ
Prior Period RP Amendments	\$0.000 /GJ
Calculated RP (Price Before Rounding)	\$3.996 /GJ
Reference Price	\$4.00 /GJ
Adjusted Intra-Alberta Transportation Deduction	\$0.205 /GJ

<b>Calculated RP = (AMP from NGX - IATD) x Pipeline Fuel/Loss Factor + Prior Period RP Amendments + Special Amendments</b> <b>Calculated RP = (4.293 - 0.209) x 0.979 + 0.000 + 0.000 = 3.996</b>
--

Note: Calculations may not agree due to rounding.

# Monthly Reference Price Calculations - September 2022

## Gas and In-Stream Component Reference Prices

**Butanes ISC Reference Price** **\$4.00 /GJ**

Breakdown:

Nova Inventory Transfer Purchase Price-Alberta Market Price from NGX	\$4.293 /GJ
Intra-Alberta Transportation Deduction (IATD)	\$0.209 /GJ
Price Before Pipeline Factor	\$4.084 /GJ
Pipeline Fuel/Loss Factor	0.979
Price Before Amendments	\$3.996 /GJ
Special Amendments	\$0.000 /GJ
Prior Period RP Amendments	\$0.000 /GJ
Calculated RP (Price Before Rounding)	\$3.996 /GJ
Reference Price	\$4.00 /GJ
Adjusted Intra-Alberta Transportation Deduction	\$0.205 /GJ

**Calculated RP = (AMP from NGX - IATD) x Pipeline Fuel/Loss Factor + Prior Period RP Amendments + Special Amendments**  
**Calculated RP = (4.293 - 0.209) x 0.979 + 0.000 + 0.000 = 3.996**

**Pentanes ISC Reference Price** **\$4.00 /GJ**

Breakdown:

Nova Inventory Transfer Purchase Price-Alberta Market Price from NGX	\$4.293 /GJ
Intra-Alberta Transportation Deduction (IATD)	\$0.209 /GJ
Price Before Pipeline Factor	\$4.084 /GJ
Pipeline Fuel/Loss Factor	0.979
Price Before Amendments	\$3.996 /GJ
Special Amendments	\$0.000 /GJ
Prior Period RP Amendments	\$0.000 /GJ
Calculated RP (Price Before Rounding)	\$3.996 /GJ
Reference Price	\$4.00 /GJ
Adjusted Intra-Alberta Transportation Deduction	\$0.205 /GJ

**Calculated RP = (AMP from NGX - IATD) x Pipeline Fuel/Loss Factor + Prior Period RP Amendments + Special Amendments**  
**Calculated RP = (4.293 - 0.209) x 0.979 + 0.000 + 0.000 = 3.996**

Note: Calculations may not agree due to rounding.

# Monthly Reference Price Calculations - September 2022

## Gas and In-Stream Component Reference Prices

### Intra-Alberta Transportation Deduction (IATD) Calculation

Average Firm Service Receipt Rate on NOVA Gas Transmission Limited (NGTL)	\$257.73	/1000m <sup>3</sup>
Average Number of Days in a Month	30.417	days
Average Heat Content on all NGTL Receipt Meter Stations	40.50	/GJ/1000m <sup>3</sup>
Intra-Alberta Transportation Deduction (IATD)	\$0.209	/GJ

### Pipeline Fuel/Loss Factor Calculation

Alberta Fuel Usage and Measurement Variance on NGTL	2.15	%
Pipeline Fuel/Loss Factor	0.979	

### Adjusted Intra-Alberta Transportation Deduction (AIATD) Calculation

Intra-Alberta Transportation Deduction (IATD)	\$0.209	/GJ
Pipeline Fuel/Loss Factor	0.979	
Adjusted Intra-Alberta Transportation Deduction (AIATD)	\$0.205	/GJ

# Monthly Reference Price Calculations - September 2022

## Gas and NGL Reference Prices

### Natural Gas Liquids Reference Prices and Par Prices

Ethane Reference Price	\$4.00 /GJ
Ethane Par Price	\$4.00 /GJ
Propane Spec Reference Price	\$293.42 /m <sup>3</sup>
Propane Mix Reference Price	\$248.69 /m <sup>3</sup>
Butanes Spec Reference Price	\$376.28 /m <sup>3</sup>
Butanes Mix Reference Price	\$345.38 /m <sup>3</sup>
Pentanes Plus Spec Reference Price	\$661.53 /m <sup>3</sup>
Pentanes Plus Mix Reference Price	\$654.95 /m <sup>3</sup>
Pentanes Plus Par Price	\$661.53 /m <sup>3</sup>

Sulphur Default Price	\$12.36 /tonne
-----------------------	----------------

Note: Calculations may not agree due to rounding.