

# OX

ONE EXCHANGE

# 2020

- Natural Gas - Last Day of Trading
- BRENT - Last Day of Trading
- USA - Holiday
- WTI - Last Day of Trading
- NOS - Deadline
- # CAD - Holiday

OX MOBILE



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## JANUARY

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

## FEBRUARY

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

## MARCH

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

## APRIL

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
						4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

### Enbridge NOS

2020 - Shipment Dates - 0700 MST

January	Dec 16	2019
February	Jan 17	2020
March	Feb 14	2020
April	Mar 17	2020
May	Apr 17	2020
June	May 15	2020
July	Jun 16	2020
August	Jul 17	2020
September	Aug 18	2020
October	Sep 17	2020
November	Oct 19	2020
December	Nov 17	2020
January	Dec 15	2020

## MAY

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

## JUNE

SUN	MON	TUE	WED	THU	FRI	SAT
						1
						2
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

## JULY

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
						4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

## AUGUST

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

## SEPTEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
						1
						2
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

## OCTOBER

SUN	MON	TUE	WED	THU	FRI	SAT
						1
						2
						3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

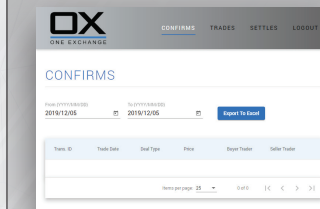
## NOVEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

## DECEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
						1
						2
						3
						4
						5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

## ONE EXCHANGE CUSTOMER PORTAL



- CONFIRMS
- SETTLEMENTS
- TRADE HISTORY
- API INTEGRATION

[cp.oneexchange.com](http://cp.oneexchange.com)

### Natural Gas

Conversions	Contract Units (1 Contract)
1 mmBTU: 1.05506 GJ	10,000 mmBTU
1 GJ: 0.9478134 mmBTU	

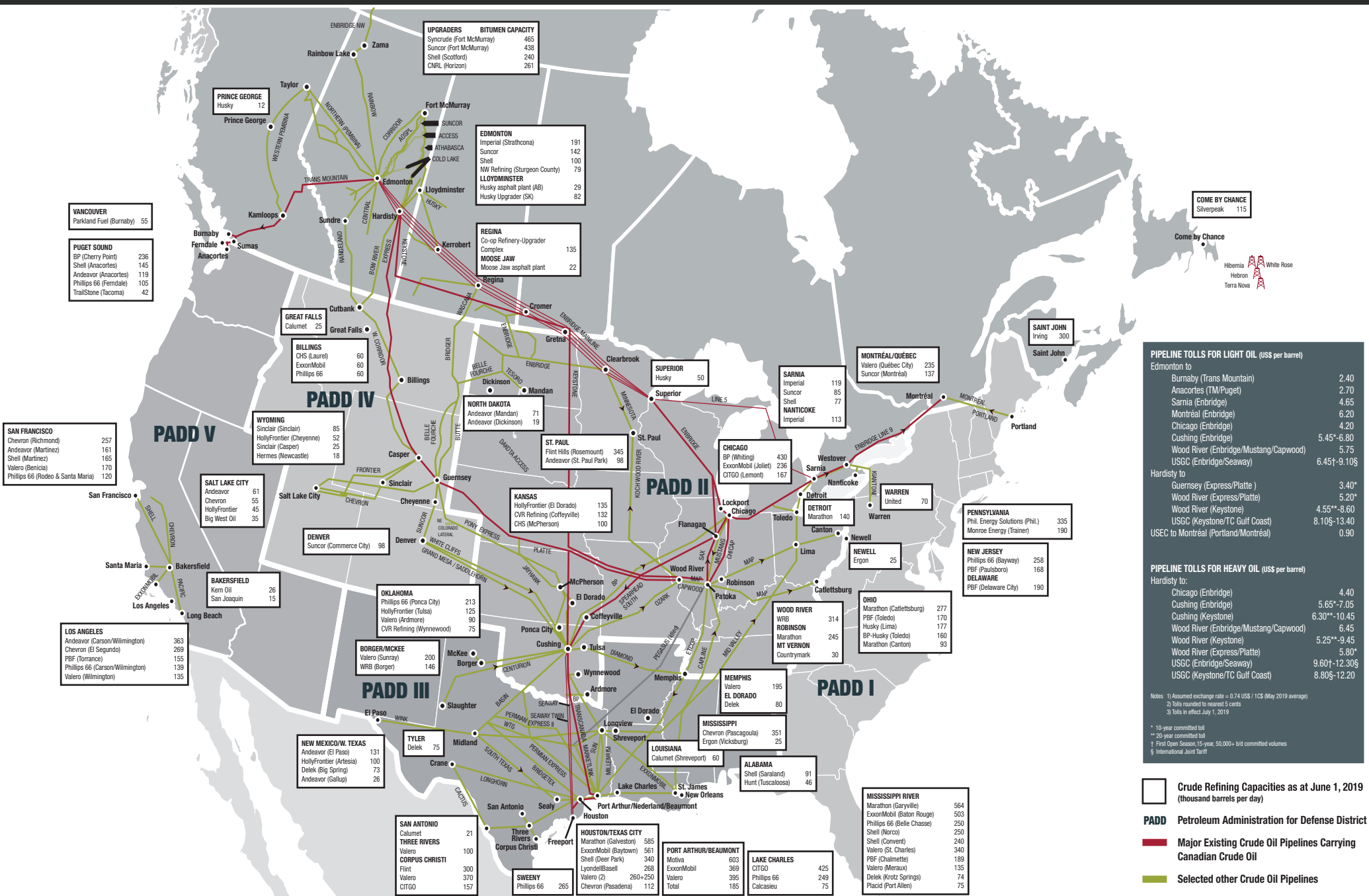
### Crude

Conversions	Contract Units (1 Contract)
1 m3: 6.2898105697751 bbl	42,000 Gallons
2500 m3: 15724.526424438 bbl	

### Temperature

Conversions
Fahrenheit: Celsius * 9 / 5 + 32
Celsius: (Fahrenheit - 32) / 9 * 5

# CANADIAN AND U.S. CRUDE OIL PIPELINES AND REFINERIES



UPGRADERS	BITUMEN CAPACITY
Suncrude (Fort McMurray)	465
Suncor (Fort McMurray)	438
Shell (Scottford)	240
CNRL (Horizon)	261

EDMONTON	CAPACITY
Imperial (Strathcona)	191
Suncor	142
Shell	100
NW Refining (Sturgeon County)	79
LLOYDMINSTER	
Husky asphalt plant (AB)	29
Husky Upgrader (SK)	82

REGINA	CAPACITY
Co-op Refinery-Upgrader Complex	135
MOOSE JAW	CAPACITY
Moose Jaw asphalt plant	22

COME BY CHANCE	CAPACITY
Silverpeak	115

VANCOUVER	CAPACITY
Parkland Fuel (Burnaby)	55

PUGET SOUND	CAPACITY
BP (Cherry Point)	236
Shell (Anacortes)	145
Andeavor (Anacortes)	119
Phillips 66 (Ferndale)	105
TrailStone (Tacoma)	42

SAN FRANCISCO	CAPACITY
Chevron (Richmond)	257
Andeavor (Martinez)	161
Shell (Martinez)	185
Valero (Benicia)	170
Phillips 66 (Rodeo & Santa Maria)	120

SALT LAKE CITY	CAPACITY
Andeavor	61
Chevron	55
HollyFrontier	45
Big West Oil	35

DENVER	CAPACITY
Suncor (Commerce City)	98

LOS ANGELES	CAPACITY
Andeavor (Carson/Wilmington)	363
Chevron (El Segundo)	269
PBF (Torrance)	155
Phillips 66 (Carson/Wilmington)	139
Valero (Wilmington)	135

BAKERSFIELD	CAPACITY
Kem Oil	26
San Joaquin	15

OKLAHOMA	CAPACITY
Phillips 66 (Ponca City)	213
HollyFrontier (Tulsa)	125
Valero (Ardmore)	90
CVR Refining (Wynnewood)	75

BORGER/MCKEE	CAPACITY
Valero (Sanray)	200
WRB (Borger)	146

NEW MEXICO/W. TEXAS	CAPACITY
Andeavor (El Paso)	131
HollyFrontier (Artesia)	100
Delek (Big Spring)	73
Andeavor (Gallup)	26

SAN ANTONIO	CAPACITY
Calumet	21

THREE RIVERS	CAPACITY
Valero	100

CORPUS CHRISTI	CAPACITY
Flint	300
Valero	370
CITGO	157

HOUSTON/Texas City	CAPACITY
Marathon (Galveston)	585
ExxonMobil (Baytown)	561
Shell (Deer Park)	340
LyondellBasell	268
Valero (2)	260+250
Chevron (Pasadena)	112

PORT ARTHUR/BEAUMONT	CAPACITY
Motiva	603
ExxonMobil	369
Valero	395
Total	185

LAKE CHARLES	CAPACITY
CITGO	425
Phillips 66	249
Calcasieu	75

MISSISSIPPI RIVER	CAPACITY
Marathon (Garyville)	564
ExxonMobil (Baton Rouge)	503
Phillips 66 (Belle Chasse)	250
Shell (Norco)	250
Shell (Convent)	240
Valero (St. Charles)	340
PBF (Chalmette)	189
Valero (Meroux)	135
Delek (Krotz Springs)	74
Placid (Port Allen)	75

PIPELINE TOLLS FOR LIGHT OIL (US\$ per barrel)	
Edmonton to	
Burnaby (Trans Mountain)	2.40
Anacortes (TM/Puget)	2.70
Sarnia (Enbridge)	4.65
Montreal (Enbridge)	6.20
Chicago (Enbridge)	4.20
Cushing (Enbridge)	5.45*-6.80
Wood River (Enbridge/Mustang/Capwood)	5.75
USGC (Enbridge/Seaway)	6.45*-9.10\$
Hardisty to	
Guernsey (Express/Platte)	3.40*
Wood River (Express/Platte)	5.20*
Wood River (Keystone)	4.55**-8.60
USGC (Keystone/TC Gulf Coast)	8.10\$-13.40
USEC to Montreal (Portland/Montreal)	0.90

PIPELINE TOLLS FOR HEAVY OIL (US\$ per barrel)	
Hardisty to:	
Chicago (Enbridge)	4.40
Cushing (Enbridge)	5.65*-7.05
Cushing (Keystone)	6.30**-10.45
Wood River (Enbridge/Mustang/Capwood)	6.45
Wood River (Keystone)	5.25**-9.45
Wood River (Express/Platte)	5.80*
USGC (Enbridge/Seaway)	9.60*-12.30\$
USGC (Keystone/TC Gulf Coast)	8.80\$-12.20

Notes: 1) Assumed exchange rate = 0.74 US\$ / 1CS (May 2019 average)  
 2) Tolls rounded to nearest 5 cents  
 3) Tolls in effect July 1, 2019  
 \* 10-year committed toll  
 \*\* 20-year committed toll  
 † First Open Season, 15-year, 50,000+ b/d committed volumes  
 ‡ International Joint Toll

Crude Refining Capacities as at June 1, 2019 (thousand barrels per day)

PADD Petroleum Administration for Defense District

Major Existing Crude Oil Pipelines Carrying Canadian Crude Oil

Selected other Crude Oil Pipelines