

Formula for the Escalation and De-escalation of Crude Oil and Natural Gas Prices

TAX YEAR **2020**
 Previous Calendar Year **2019**

X (oil) = **157.8** for Crude petroleum (domestic production) - WPU0561

X (gas) = **85.6** for Natural gas - WPU0531

Y = **2019** - **1982** = **37**

1/Y = **0.027027**

Escalation Factor for Crude petroleum (domestic production)

$((X (\text{oil}) / 100) ^ (1/Y) - 1) * 100 =$ **1.240%**

Escalation Factor for Natural gas

$((X (\text{gas}) / 100) ^ (1/Y) - 1) * 100 =$ **-0.419%**



Data extracted on: January 31, 2020 (5:52:57 PM)

PPI Commodity Data

Series Id: WPU0561
 Not Seasonally Adjusted
 Series Title: PPI Commodity data for Fuels and related products and power-Crude petroleum (domestic production)
 Group: Fuels and related products and power
 Item: Crude petroleum (domestic production)
 Base Date: 198200



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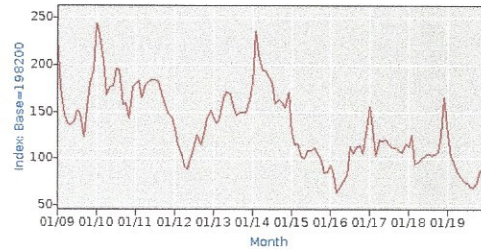
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2009	94.9	95.9	122.6	132.5	157.5	189.2	160.6	188.6	188.3	201.3	213.8	195.4	161.7
2010	217.6	204.8	223.3	233.1	205.1	206.5	208.1	211.8	207.1	224.0	237.1	243.9	218.6
2011	251.9	241.5	283.7	311.0	290.1	277.7	284.2	245.2	268.9	265.2	302.6	283.5	275.5
2012	291.7	295.3	305.4	297.8	273.0	241.4	247.6	271.3	282.3	268.4	256.6	252.4	273.6
2013	270.0	275.0	271.6	276.5	276.8	276.6	303.0	304.1	304.8	285.9	260.1	270.2	281.2
2014	261.1	284.4	282.4	289.9	286.7	292.6	280.4	269.2	257.2	225.7	211.7	168.9	259.2
2015	120.1	130.3	127.5	143.0	165.4	164.6	143.4	115.4	117.6	121.5	111.7	93.3	129.5
2016	75.1	69.5	91.5	105.3	118.3	128.5	120.6	115.3	117.7	132.8	121.1	138.7	111.2
2017	138.4	143.3	131.0	139.6	128.9	123.8	124.7	130.6	134.9	142.4	159.0	162.8	138.3
2018	179.1	172.0	173.9	185.3	198.1	188.5	204.0	189.3	195.2	204.1	157.4	136.7	182.0
2019	141.5	150.6	158.9	176.7	171.0	153.4	162.3	156.9	157.8(P)	143.2(P)	157.8(P)	163.2(P)	157.8(P)

P: Preliminary. All indexes are subject to revision four months after original publication.

Data extracted on: January 31, 2020 (5:51:35 PM)

PPI Commodity Data

Series Id: WPU0531
 Not Seasonally Adjusted
 Series Title: PPI Commodity data for Fuels and related products and power-Natural gas, not seasonally
 Group: Fuels and related products and power
 Item: Natural gas
 Base Date: 198200



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Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2009	229.4	175.9	146.8	138.7	135.6	140.2	151.5	147.8	123.3	154.0	181.5	195.1	160.0
2010	244.4	231.2	204.3	168.8	175.8	178.0	195.4	194.3	157.7	159.6	143.9	176.7	185.8
2011	179.6	183.0	165.0	178.6	182.4	183.9	184.0	182.5	167.1	158.4	148.3	144.4	171.4
2012	132.4	115.3	104.7	92.3	89.4	102.1	115.6	125.9	115.4	126.2	143.5	152.3	117.9
2013	143.1	138.2	144.2	163.9	172.2	170.1	155.6	146.8	149.8	149.5	150.0	163.2	153.9
2014	180.7	235.1	210.3	194.7	193.4	186.7	179.6	159.5	162.8	160.4	155.1	170.5	182.4
2015	127.6	114.7	115.8	101.1	101.0	108.8	109.4	112.1	104.5	99.6	84.6	85.4	105.4
2016	93.6	84.0	64.4	70.2	75.0	82.3	113.5	105.9	113.0	114.4	106.0	132.5	96.2
2017	156.2	133.0	103.8	120.4	119.8	120.3	115.1	111.8	111.6	108.8	106.6	116.7	118.7
2018	112.6	125.5	94.1	96.0	100.1	103.1	105.4	104.0	104.9	108.3	126.0	165.5	112.1
2019	126.9	102.4	96.6	84.3	80.2	76.6	74.2	70.6	68.6(P)	73.9(P)	88.3(P)	84.2(P)	85.6(P)

P: Preliminary. All indexes are subject to revision four months after original publication.