

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

**TAX YEAR 2015**  
**Previous Calendar Year 2014**

X (oil) = **259.3** for Crude petroleum (domestic production) - WPU0561

X (gas) = **183.1** for Natural gas - WPU0531

Y = 2014 - 1982 = **32**

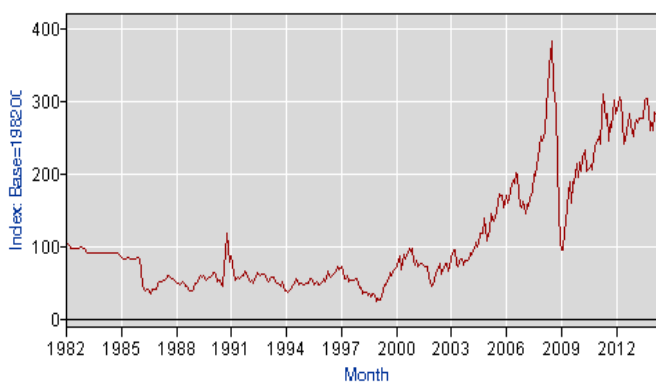
1/Y = **0.031250**

<p><b>Escalation Factor for Crude petroleum (domestic production)</b>  <math>(( X (oil) / 100 ) ^ ( 1/Y ) - 1 ) * 100 = </math> <b>3.022%</b></p>
<p><b>Escalation Factor for Natural gas</b>  <math>(( X (gas) / 100 ) ^ ( 1/Y ) - 1 ) * 100 = </math> <b>1.91%</b></p>

Data extracted on: January 16, 2015 (11:02:10 AM)

## Producer Price Index-Commodities

**Series Id:** WPU0561  
 Not Seasonally Adjusted  
**Group:** Fuels and related products and power  
**Item:** Crude petroleum (domestic production)  
**Base Date:** 198200



Download:

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1982	107.3	105	101.6	97.9	97.9	97.9	98	98	97.9	100.3	100	98.2	100
1983	98.1	94.5	92.5	92.5	92.4	92.4	92.1	92.1	92.1	92.1	92.1	92	92.9
1984	92.1	92.1	92.1	91.9	91.9	91.8	91.7	91.5	91.4	91.3	89.4	88.6	91.3
1985	86.1	83.9	83.9	84.2	84.7	84.6	84.4	83.7	83.9	84.3	84.7	85.1	84.5
1986	84.3	66.7	48.2	41	40	41	37.2	36	42.5	42.1	41.9	42	46.9
1987	50.4	52.4	52.3	53.2	54.7	56.4	59.8	61.1	57.8	56.9	56.6	54.1	55.5
1988	50.1	49.7	47.2	49.1	51.5	50.6	45.7	45	42.6	39.3	39.2	44.3	46.2
1989	49.7	50.3	53.9	58.9	59.5	58.3	59.9	53.5	56.2	57.6	57.6	59.8	56.3
1990	64.3	65	60	52.6	54.5	47.9	46.3	75.2	91	118	97.3	79.3	71
1991	87.9	64.2	54.1	56.3	58.8	56.2	59.3	60.4	60.4	66.3	64	55.1	61.9
1992	51.3	53.5	51	56	59.2	64.3	61.9	60.5	63.1	63.4	58.5	53.8	58
1993	52	56.1	58.1	57.7	57.9	52.9	50.2	48.3	46.5	51.8	46	38.9	51.4
1994	39.3	37.8	39.6	42.7	48.9	52.9	56.2	54.4	48.3	49.3	49.1	47.1	47.1
1995	48.4	51	50.6	55.3	56	53.3	48.3	49.1	51.4	48.3	49	52.2	51.1
1996	56	52.8	57.7	66	61	57.7	59.9	62	67.2	72	68.5	70.9	62.6
1997	73.4	64.5	56.3	56.1	60.2	51.8	54.9	54.9	53.3	57.3	56.4	50.8	57.5
1998	43.4	43.2	35.8	38.1	38.3	33.6	35.9	30.4	36	35.2	32.7	26.1	35.7
1999	30.2	26.2	33.3	42.4	47.2	48.8	53.7	57.2	65.5	60.9	66.7	71	50.3
2000	72.2	83.5	86.9	69.6	79.6	89.8	83.3	89.3	97.4	93.1	98.8	78.8	85.2
2001	75.4	80.7	73.1	74.5	77.7	77	72.8	72.6	73	56.9	51.3	45.4	69.2
2002	48.6	53.5	65	70.7	77.1	63.6	68.3	72.8	77.5	76.7	67.6	72.9	67.9
2003	86.1	95.2	95.1	76.1	74	82.3	82.4	83.8	75	81.7	80.4	83.3	83
2004	90.9	89.9	96.6	98.4	106.5	99.2	105.5	119.3	118.3	139.9	125	108.7	108.2

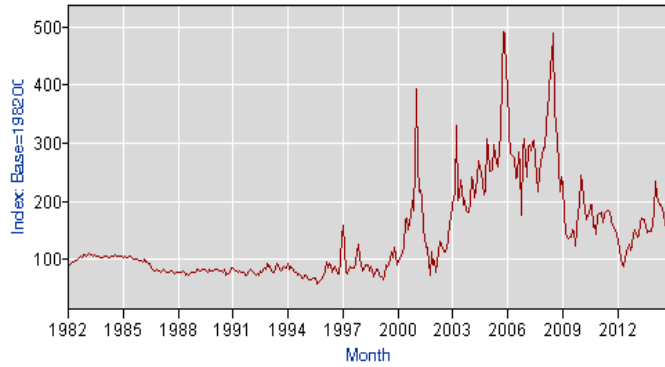
2005	119.6	123.9	145	137.5	135.2	147.6	161.7	172.1	171.3	170.4	153.8	162.6	150.1
2006	171.9	160.2	167.3	187.1	191.9	187.2	202	198.7	172.2	155.9	154.3	162.7	176
2007	146.6	157.5	156.3	167.8	169.9	177.4	200.4	197.9	214.5	223.3	252.6	246.8	192.6
2008	253.5	257	297.7	314.4	349.5	367.5	384.3	321.6	291.5	215.6	150.9	104.5	275.7
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	237.1	243.9	218.6
2011	251.9	241.5	283.7	311	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	241.4	247.6	271.3	282.3	268.4	256.6	252.4	273.6
2013	270	275	271.6	276.5	276.8	276.6	303	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	257.5(P)	224.1(P)	213.8(P)	170.0(P)	259.3(P)

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

Data extracted on: January 16, 2015 (11:05:13 AM)

### Producer Price Index-Commodities

**Series Id:** WPU0531  
**Not Seasonally Adjusted**  
**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
1982	89.8	91.2	93.5	95	96.9	99.7	102	102.8	105.3	104.4	109.8	109.5	100
1983	106.5	107.7	111	108	107.4	107.5	106.2	106	106.5	103.5	103.9	104.7	106.6
1984	105.6	105.5	103.1	104.8	105.6	106.4	107.3	109.1	106.9	106.6	106.3	105.8	106.1
1985	103.8	105.8	103	103.6	107.1	105.1	104.4	101.8	101.7	101.4	99	97.5	102.9
1986	97.5	95.3	100.5	96.7	95.9	92.7	85.8	84.6	80.6	81.4	82.7	81.2	89.6
1987	80.5	78.9	82.3	81.7	79.5	79.4	79.4	79.8	80.3	77.9	75.7	78.6	79.5
1988	79	77.5	77.9	80.7	77.4	74.4	76.6	74.6	75	78.6	77.6	78.9	77.4
1989	82.6	84.5	80.5	81.6	83.5	83.2	83.7	79.5	82.6	80.2	80.7	81.7	82
1990	83.8	84.4	82.5	80.4	80.1	77.6	83	74.3	75.9	75.1	80.2	87	80.4
1991	85.5	82.2	81.3	77.7	80.4	78.4	77.3	77.9	73.1	74.2	78.3	82.7	79.1
1992	80.1	79.1	74.8	73.9	75.3	74	80.3	79.2	86	82.9	93.1	88.9	80.6
1993	89.1	80	77.6	78.9	87.6	94.2	82.8	81.4	85.5	89.2	85.2	85.5	84.7
1994	92.9	83.3	89.5	86.7	79.4	78.6	73.9	76.9	74.2	69.5	67.7	73.5	78.8
1995	72.8	67	65.3	66.3	67.3	68.9	67.2	59.6	60.8	63.5	67	73.3	66.6
1996	83.5	96.5	85.8	92.8	88	78.9	87.3	88.2	76.6	75.2	100.6	140.7	91.2
1997	159.5	119.9	78.5	75.5	83.7	88.7	85.8	87.1	96.9	115.7	127.3	101.4	101.7
1998	90.9	81.9	86.4	90.1	90.5	81.9	89	82.1	69.8	77.6	83.1	83.4	83.9
1999	74.7	71.9	67	74	91.4	89	91.9	104.3	114.9	104.1	121.5	90	91.2
2000	98	104.8	105.7	114.7	123.3	170.2	170.5	151.9	176.8	201.7	185	263.3	155.5
2001	393.8	262.3	215.8	220.6	203.6	153.4	121.1	120.9	93	72.9	114	90.5	171.8
2002	99.3	78.9	95.9	131.3	125.5	117.7	112.6	114.9	120.9	134.6	167.5	171.1	122.5
2003	193.5	216.5	330.1	201.9	211.2	237.4	219.4	195.4	202.4	184.1	181.2	200.6	214.5
2004	242.3	231.2	208.1	218.7	241.4	270.7	257.5	249.8	212.8	222.1	306.7	289.5	245.9
2005	252.4	253.2	257.4	298.2	278.2	260.5	296	316	417.3	492.7	486.4	416	335.4
2006	403.4	317.6	283.6	277.4	275.8	240.9	241.7	284	263.4	176.6	292.9	307	280.3
2007	241.7	295.5	298.1	288.4	301.9	304.7	274	241.3	216.8	248.6	282.3	292.1	273.8
2008	293.4	332.4	362.7	384	437	449.5	489.9	355.7	306.9	257	217.2	242	344
2009	229.4	175.9	146.8	138.7	135.6	140.2	151.5	147.8	123.3	154	181.5	195.1	160
2010	244.4	231.2	204.3	168.8	175.8	178	195.4	194.3	157.7	159.6	143.9	176.7	185.8
2011	179.6	183	165	178.6	182.4	183.9	184	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	163.2	153.9
2014	180.7	235.1	210.3	194.7	193.4	186.7	179.6	159.5	164.6(P)	162.6(P)	150.0(P)	179.5(P)	183.1(P)

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