

Histórico - Precios FOB Spot de EIA - Brent Europa (Dólares por Barril)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2011	111.26	96.52	103.72	114.64	123.26	114.99	113.83	116.97	110.22	112.83	109.55	110.77	107.87
2012	111.65	110.69	119.33	125.45	119.75	110.34	95.16	102.62	113.36	112.86	111.71	109.06	109.49
2013	108.64	112.96	116.05	108.47	102.25	102.56	102.92	107.93	111.28	111.60	109.08	107.79	110.76
2014	108.62	108.12	108.90	107.48	107.76	109.54	111.80	106.77					

Histórico - Variación de Precios FOB Spot de EIA - Brent Europa (Porcentaje)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2011			7.46%	10.53%	7.52%	-6.71%	-1.01%	2.76%	-5.77%	2.37%	-2.91%	1.11%	-2.62%
2012	0.35%	2.61%	7.81%	5.13%	-4.54%	-7.86%	-13.76%	7.84%	10.47%	-0.44%	-1.02%	-2.37%	0.39%
2013	-2.70%	3.17%	2.74%	-6.53%	-5.73%	0.30%	0.35%	4.87%	3.10%	0.29%	-2.26%	-1.18%	2.76%
2014	-0.01%	-2.38%	0.72%	-1.30%	0.26%	1.65%	2.06%	-4.50%					

Pronóstico - Precios FOB Spot de EIA - Brent Europa (Dólares por Barril)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2014	0.85%	108.12	108.90	107.48	107.76	109.54	111.80	106.77	106.85	106.92	107.00	107.07	107.15
2015	0.85%	107.22	107.30	107.38	107.45	107.53	107.60	107.68	107.76	107.83	107.91	107.98	108.06
2016	0.85%	108.14	108.21	108.29	108.37	108.44	108.52	108.60	108.67	108.75	108.83	108.90	108.98

2017	0.85%	109.06	109.14	109.21	109.29	109.37	109.44	109.52	109.60	109.68	109.75	109.83	109.91
2018	0.85%	109.99	110.07	110.14	110.22	110.30	110.38	110.46	110.53	110.61	110.69	110.77	110.85
2019	0.85%	110.93	111.00	111.08	111.16	111.24	111.32	111.40	111.48	111.55	111.63	111.71	111.79
2020	0.85%	111.87	111.95	112.03	112.11	112.19	112.27	112.35	112.43	112.50	112.58	112.66	112.74
2021	0.85%	112.82	112.90	112.98	113.06	113.14	113.22	113.30	113.38	113.46	113.54	113.62	113.70

Histórico - Precios de Paridad del Diesel Liviano Bajo en Azufre (Dólares por Barril)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2011	128.43	109.57	117.77	129.31	136.83	135.79	131.29	129.87	131.33	129.99	126.36	134.00	129.10
2012	133.62	129.67	134.95	141.69	140.79	136.05	121.89	121.49	131.24	140.51	140.10	133.37	131.68
2013	130.67	133.04	138.60	137.04	131.46	125.09	124.31	126.89	130.92	134.24	130.17	126.71	129.54
2014	128.14	128.97	129.07	130.43	127.02	128.90	127.27	128.03	125.46				

Histórico - Variación de Precios de Paridad del Diesel Liviano Bajo en Azufre (Porcentaje)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2011			7.48%	9.80%	5.81%	-0.75%	-3.32%	-1.08%	1.13%	-1.03%	-2.79%	6.05%	-3.66%
2012	4.04%	0.44%	4.07%	5.00%	-0.64%	-3.37%	-10.41%	-0.33%	8.02%	7.06%	-0.29%	-4.81%	-1.26%
2013	-2.21%	1.03%	4.18%	-1.13%	-4.07%	-4.85%	-0.62%	2.08%	3.17%	2.54%	-3.03%	-2.66%	2.23%
2014	-1.93%	-0.45%	0.08%	1.05%	-2.61%	1.48%	-1.26%	0.60%	-2.01%				

Pronóstico - Precios de Paridad del Diesel Liviano Bajo en Azufre (Dólares por Barril)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2014	2.47%	128.97	129.07	130.43	127.02	128.90	127.27	128.03	125.46	125.72	125.98	126.24	126.50
2015	2.47%	126.76	127.02	127.28	127.54	127.80	128.07	128.33	128.60	128.86	129.13	129.39	129.66
2016	2.47%	129.92	130.19	130.46	130.73	131.00	131.27	131.54	131.81	132.08	132.35	132.62	132.90
2017	2.47%	133.17	133.44	133.72	133.99	134.27	134.55	134.82	135.10	135.38	135.66	135.94	136.22
2018	2.47%	136.50	136.78	137.06	137.34	137.62	137.91	138.19	138.47	138.76	139.05	139.33	139.62
2019	2.47%	139.91	140.19	140.48	140.77	141.06	141.35	141.64	141.93	142.23	142.52	142.81	143.11
2020	2.47%	143.40	143.70	143.99	144.29	144.58	144.88	145.18	145.48	145.78	146.08	146.38	146.68
2021	2.47%	146.98	147.28	147.59	147.89	148.20	148.50	148.81	149.11	149.42	149.73	150.04	150.34

Histórico - Precios de Paridad del Bunker C (Dólares por Barril)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2011	100.26	82.38	87.33	97.85	104.80	104.56	103.06	103.64	104.24	103.73	102.25	107.22	102.10
2012	106.34	104.71	110.76	116.82	116.41	110.68	97.77	93.59	101.38	107.24	117.15	99.99	99.62
2013	99.59	101.82	104.88	103.27	100.56	97.05	96.88	97.18	98.71	100.91	99.82	96.89	97.07
2014	96.31	96.29	94.84	96.25	95.20	97.61	97.87	98.03	94.42				

Histórico - Variación de Precios de Paridad del Bunker C (Porcentaje)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2011			6.01%	12.05%	7.10%	-0.22%	-1.43%	0.56%	0.58%	-0.49%	-1.43%	4.86%	-4.77%
2012	6.06%	2.55%	5.79%	5.47%	-0.35%	-4.92%	-11.66%	-4.28%	8.33%	5.78%	9.25%	-14.65%	-0.36%
2013	-6.35%	2.20%	3.01%	-1.53%	-2.62%	-3.49%	-0.18%	0.31%	1.58%	2.23%	-1.08%	-2.94%	0.18%
2014	-3.28%	-0.80%	-1.50%	1.49%	-1.09%	2.53%	0.26%	0.16%	-3.67%				

Pronóstico - Precios de Paridad del Bunker C (Dólares por Barril)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2014	1.78%	96.29	94.84	96.25	95.20	97.61	97.87	98.03	94.42	94.56	94.70	94.84	94.98
2015	1.78%	95.12	95.27	95.41	95.55	95.69	95.83	95.97	96.12	96.26	96.40	96.54	96.69
2016	1.78%	96.83	96.97	97.12	97.26	97.40	97.55	97.69	97.84	97.98	98.13	98.27	98.42
2017	1.78%	98.56	98.71	98.86	99.00	99.15	99.30	99.44	99.59	99.74	99.89	100.03	100.18
2018	1.78%	100.33	100.48	100.63	100.78	100.93	101.08	101.23	101.37	101.53	101.68	101.83	101.98
2019	1.78%	102.13	102.28	102.43	102.58	102.73	102.89	103.04	103.19	103.34	103.50	103.65	103.80
2020	1.78%	103.96	104.11	104.27	104.42	104.57	104.73	104.88	105.04	105.20	105.35	105.51	105.66
2021	1.78%	105.82	105.98	106.13	106.29	106.45	106.61	106.76	106.92	107.08	107.24	107.40	107.56

Histórico - Precios de Exportación del Carbón de Colombia - Hullas Térmicas (USD / Ton)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2011	96.73	87.14	91.12	90.35	97.95	97.27	102.33	102.79	95.83	103.74	96.87	97.69	97.69
2012	94.83	97.69	100.57	99.87	98.58	95.89	90.30	93.13	90.98	94.43	92.98	91.31	92.28
2013	83.86	92.70	85.38	86.10	85.01	81.75	82.95	84.47	76.84	75.40	82.83	85.21	87.66
2014	99.81	90.19	92.78	95.45	98.20	101.02	103.93	106.92	110.00				

Histórico - Variación de Precios de Exportación del Carbón de Colombia - Hullas Térmicas (Porcentaje)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2011			4.57%	-0.85%	8.41%	-0.69%	5.20%	0.45%	-6.77%	8.25%	-6.62%	0.85%	0.00%
2012	-1.96%	0.00%	2.95%	-0.70%	-1.29%	-2.73%	-5.83%	3.13%	-2.31%	3.79%	-1.54%	-1.80%	1.06%
2013	-11.57%	0.46%	-7.90%	0.84%	-1.27%	-3.83%	1.47%	1.83%	-9.03%	-1.87%	9.85%	2.88%	2.88%
2014	19.02%	2.88%											

Pronóstico - Precios de Exportación del Carbón de Colombia - Hullas Térmicas (USD / Ton)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2014	2.88%	90.19	92.78	95.45	98.20	101.02	103.93	106.92	110.00	110.26	110.52	110.79	111.06
2015	2.88%	111.32	111.59	111.86	112.12	112.39	112.66	112.93	113.20	113.47	113.75	114.02	114.29
2016	2.88%	114.57	114.84	115.12	115.39	115.67	115.95	116.23	116.50	116.78	117.06	117.34	117.63

2017	2.88%	117.91	118.19	118.47	118.76	119.04	119.33	119.61	119.90	120.19	120.48	120.76	121.05
2018	2.88%	121.34	121.64	121.93	122.22	122.51	122.81	123.10	123.40	123.69	123.99	124.29	124.58
2019	2.88%	124.88	125.18	125.48	125.78	126.08	126.39	126.69	126.99	127.30	127.60	127.91	128.22
2020	2.88%	128.52	128.83	129.14	129.45	129.76	130.07	130.38	130.70	131.01	131.32	131.64	131.95
2021	2.88%	132.27	132.59	132.91	133.22	133.54	133.86	134.18	134.51	134.83	135.15	135.48	135.80

Histórico - Precios de Paridad FOB del LPG H5 a Granel Propano (Dólares por Barril)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2011	84.46	73.33	73.86	76.57	76.48	81.60	82.01	91.70	92.98	94.43	92.28	90.63	87.59
2012	70.71	83.28	80.07	79.43	79.47	73.37	61.74	61.99	65.41	65.77	67.44	68.21	62.33
2013	69.90	63.06	64.01	64.71	67.40	68.42	66.71	65.45	69.65	76.01	74.85	77.77	80.71
2014	77.37	82.58	91.55	80.10	73.79	74.22	72.23	72.85	71.65				

Histórico - Variación de Precios de Paridad FOB del LPG H5 a Granel Propano (Porcentaje)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2011			0.72%	3.67%	-0.12%	6.70%	0.49%	11.82%	1.39%	1.57%	-2.28%	-1.79%	-3.36%
2012	-16.28%	-4.92%	-3.85%	-0.80%	0.04%	-7.67%	-15.85%	0.41%	5.50%	0.56%	2.54%	1.14%	-8.62%
2013	-1.15%	1.16%	1.51%	1.10%	4.16%	1.51%	-2.50%	-1.89%	6.41%	9.14%	-1.52%	3.90%	3.78%

2014	10.69%	2.31%	10.86%	-12.50%	-7.88%	0.58%	-2.68%	0.87%	-1.65%				
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Pronóstico - Precios de Paridad FOB del LPG H5 a Granel Propano (Dólares por Barril)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2014	2.56%	82.58	91.55	80.10	73.79	74.22	72.23	72.85	71.65	71.80	71.95	72.11	72.26
2015	2.56%	72.42	72.57	72.72	72.88	73.04	73.19	73.35	73.50	73.66	73.82	73.98	74.13
2016	2.56%	74.29	74.45	74.61	74.77	74.93	75.09	75.25	75.41	75.57	75.73	75.89	76.06
2017	2.56%	76.22	76.38	76.54	76.71	76.87	77.04	77.20	77.37	77.53	77.70	77.86	78.03
2018	2.56%	78.19	78.36	78.53	78.70	78.86	79.03	79.20	79.37	79.54	79.71	79.88	80.05
2019	2.56%	80.22	80.39	80.56	80.74	80.91	81.08	81.26	81.43	81.60	81.78	81.95	82.13
2020	2.56%	82.30	82.48	82.65	82.83	83.01	83.18	83.36	83.54	83.72	83.90	84.08	84.26
2021	2.56%	84.44	84.62	84.80	84.98	85.16	85.34	85.52	85.71	85.89	86.07	86.26	86.44

Histórico - Precios Spot de EIA del Gas Natural Henry Hub en la Costa del Golfo (Dólares por Barril)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2011	4.00	4.49	4.09	3.97	4.24	4.31	4.54	4.42	4.06	3.90	3.57	3.24	3.17
2012	2.75	2.67	2.51	2.17	1.95	2.43	2.46	2.95	2.84	2.85	3.32	3.54	3.34
2013	3.73	3.33	3.33	3.81	4.17	4.04	3.83	3.62	3.43	3.62	3.68	3.64	4.24
2014	4.78	4.71	6.00	4.90	4.66	4.58	4.59	4.05					

Histórico - Variación de Precios Spot de EIA del Gas Natural Natural Henry Hub en la Costa del Golfo (Dólares por Millón de Btu)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2011			-8.91%	-2.93%	6.80%	1.65%	5.34%	-2.64%	-8.14%	-3.94%	-8.46%	-9.24%	-2.16%
2012	-31.19%	-15.77%	-5.99%	-13.55%	-10.14%	24.62%	1.23%	19.92%	-3.73%	0.35%	16.49%	6.63%	-5.65%
2013	35.45%	-0.30%	0.00%	14.41%	9.45%	-3.12%	-5.20%	-5.48%	-5.25%	5.54%	1.66%	-1.09%	16.48%
2014	28.32%	11.08%	27.39%	-18.33%	-4.90%	-1.72%	0.22%	-11.76%					

Pronóstico - Precios Spot de EIA del Gas Natural Henry Hub en la Costa del Golfo (Dólares por Millón de Btu)													
Año	Promedio	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic
2014	5.01%	4.71	6.00	4.90	4.66	4.58	4.59	4.05	4.07	4.08	4.10	4.12	4.14
2015	5.01%	4.15	4.17	4.19	4.20	4.22	4.24	4.26	4.28	4.29	4.31	4.33	4.35
2016	5.01%	4.37	4.38	4.40	4.42	4.44	4.46	4.48	4.49	4.51	4.53	4.55	4.57
2017	5.01%	4.59	4.61	4.63	4.65	4.67	4.69	4.71	4.73	4.75	4.77	4.79	4.81
2018	5.01%	4.83	4.85	4.87	4.89	4.91	4.93	4.95	4.97	4.99	5.01	5.03	5.05
2019	5.01%	5.07	5.09	5.12	5.14	5.16	5.18	5.20	5.22	5.24	5.27	5.29	5.31
2020	5.01%	5.33	5.36	5.38	5.40	5.42	5.45	5.47	5.49	5.51	5.54	5.56	5.58
2021	5.01%	5.61	5.63	5.65	5.68	5.70	5.72	5.75	5.77	5.80	5.82	5.85	5.87