



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME DEC 2018	VOLUME DEC 2017	% CHG	VOLUME NOV 2018	% CHG	VOLUME Y.T.D 2018	VOLUME Y.T.D 2017	% CHG
Ag Products Futures									
COCOA TAS	CJ	0	5	-100.0%	0	0.0%	5	92	-94.6%
COFFEE	KT	0	0	0.0%	0	0.0%	0	41	-100.0%
COTTON	TT	1	1	0.0%	1	0.0%	22	20	10.0%
SUGAR 11	YO	0	0	0.0%	0	0.0%	58	42	38.1%
Energy Futures									
CRUDE OIL PHY	CL	22,908,693	20,204,705	13.4%	27,570,561	-16.9%	306,613,007	310,052,767	-1.1%
CRUDE OIL	WS	0	1,100	-100.0%	0	0.0%	15,639	75,600	-79.3%
MINY WTI CRUDE OIL	QM	617,691	167,645	268.5%	615,655	0.3%	4,692,563	3,001,906	56.3%
BRENT OIL LAST DAY	BZ	1,660,914	1,294,608	28.3%	2,270,269	-26.8%	21,825,780	21,839,889	-0.1%
HEATING OIL PHY	HO	3,238,999	3,504,415	-7.6%	4,516,781	-28.3%	46,277,883	43,596,206	6.2%
HTG OIL	BH	0	0	0.0%	24	-100.0%	120	340	-64.7%
MINY HTG OIL	QH	3	3	0.0%	4	-25.0%	47	35	34.3%
RBOB PHY	RB	3,404,701	3,368,473	1.1%	3,953,762	-13.9%	49,613,909	49,910,909	-0.6%
MINY RBOB GAS	QU	4	4	0.0%	6	-33.3%	47	51	-7.8%
NATURAL GAS	HP	93,506	152,228	-38.6%	217,970	-57.1%	1,438,019	1,669,023	-13.8%
LTD NAT GAS	HH	394,322	315,588	24.9%	636,172	-38.0%	4,579,077	3,539,546	29.4%
MINY NATURAL GAS	QG	45,578	40,345	13.0%	112,587	-59.5%	433,039	311,945	38.8%
PJM MONTHLY	JM	0	0	0.0%	0	0.0%	0	120	-100.0%
NATURAL GAS PHY	NG	7,851,274	10,500,608	-25.2%	14,219,346	-44.8%	114,256,078	108,391,797	5.4%
RBOB GAS	RT	0	1,910	-100.0%	0	0.0%	14,386	28,456	-49.4%
3.5% FUEL OIL CID MED SWA	7D	10	0	0.0%	0	0.0%	622	1,035	-39.9%
3.5% FUEL OIL CIF BALMO S	8D	0	0	0.0%	0	0.0%	95	175	-45.7%
AEP-DAYTON HUB DAILY	VD	0	0	0.0%	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	VM	0	0	0.0%	0	0.0%	0	0	0.0%
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	0.0%	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	N7	0	0	0.0%	0	0.0%	0	0	0.0%
ALGONQUIN CITYGATES BASIS	B4	0	0	0.0%	0	0.0%	0	0	0.0%
ANR LOUISIANA BASIS SWAP	ND	0	0	0.0%	0	0.0%	0	0	0.0%
ANR OKLAHOMA	NE	0	0	0.0%	0	0.0%	0	0	0.0%
APPALACHIAN COAL (PHY)	QL	0	0	0.0%	0	-	0	0	0.0%
ARGUS LLS VS. WTI (ARG) T	E5	15,739	30,355	-48.2%	18,221	-13.6%	256,755	190,327	34.9%
ARGUS PROPAN FAR EST INDE	7E	3,071	3,877	-20.8%	5,595	-45.1%	68,590	32,339	112.1%

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Energy Futures									
ARGUS PROPAN(SAUDI ARAMCO)	9N	1,778	1,394	27.5%	2,726	-34.8%	32,923	12,890	155.4%
AUSTRIALIAN COKE COAL	ACT	0	120	-100.0%	0	0.0%	20	240	-91.7%
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0.0%	0	1,003	-100.0%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0.0%	285	578	-50.7%
BRENT CALENDAR SWAP	CY	1,588	4,247	-62.6%	2,125	-25.3%	39,825	34,990	13.8%
BRENT CFD SWAP	6W	0	0	-	0	0.0%	300	0	-
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	1,000	-100.0%	20,864	43,043	-51.5%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0.0%	127	0	0.0%
BRENT FINANCIAL FUTURES	MDB	0	96	-100.0%	0	0.0%	224	426	-47.4%
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	BZS	0	0	0.0%	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 MW P	9X	0	0	0.0%	0	0.0%	0	7,940	-100.0%
CAISO SP15 EZGNHUB5 PEAK	9Z	0	0	0.0%	0	0.0%	0	0	0.0%
CANADIAN LIGHT SWEET OIL	CIL	0	0	0.0%	0	0.0%	0	7,344	-100.0%
CENTERPOINT BASIS SWAP	PW	0	0	0.0%	0	0.0%	36	999	-96.4%
CENTERPOINT EAST INDEX	II	0	0	0.0%	0	-	0	0	0.0%
CEU ENERGY	DEB	962	0	-	1,377	-30.1%	5,441	0	-
CEU ENERGY	TTF	2,583	0	-	3,685	-29.9%	20,664	0	-
CEU ENERGY	UKG	970	0	-	2,031	-52.2%	49,382	0	-
CHICAGO ETHANOL SWAP	CU	79,017	95,604	-17.3%	87,007	-9.2%	1,133,415	1,342,798	-15.6%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	831	570	45.8%	932	-10.8%	5,838	2,208	164.4%
CHICAGO UNL GAS PL VS RBO	3C	125	0	0.0%	0	0.0%	1,075	0	0.0%
CIG BASIS	CI	0	0	0.0%	0	0.0%	221	1,456	-84.8%
CIG ROCKIES NG INDEX SWA	Z8	0	0	0.0%	0	0.0%	0	720	-100.0%
CINERGY HUB OFF-PEAK MONT	EJ	0	0	0.0%	0	0.0%	0	0	0.0%
CINERGY HUB PEAK MONTH	EM	0	0	0.0%	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	K2	0	0	0.0%	0	0.0%	0	326,080	-100.0%
CIN HUB 5MW D AH PK	H5	1,254	1,220	2.8%	538	133.1%	13,630	19,513	-30.1%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0.0%	0	397,000	-100.0%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	0.0%	1,505	25,625	-94.1%
COAL SWAP	ACM	0	45	-100.0%	60	-100.0%	570	1,720	-66.9%
COAL SWAP	SSI	0	0	0.0%	0	0.0%	0	0	0.0%
COLUMB GULF MAINLINE NG B	5Z	214	0	0.0%	0	0.0%	214	999	-78.6%
COLUMBIA GULF MAIN NAT G	L2	0	0	0.0%	0	-	0	0	0.0%
COLUMBIA GULF ONSHORE	GL	0	0	0.0%	0	0.0%	0	1,332	-100.0%

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CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	177	34	420.6%	916	-80.7%	2,831	2,984	-5.1%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	0	259	-100.0%	70	-100.0%	2,831	8,299	-65.9%
CONWAY PROPANE 5 DECIMALS SWAP	8K	11,614	10,777	7.8%	13,728	-15.4%	186,616	109,794	70.0%
CRUDE OIL	CHB	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL	LPS	4,400	4,130	6.5%	3,600	22.2%	53,385	46,199	15.6%
CRUDE OIL OUTRIGHTS	37	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	42	759	632	20.1%	192	295.3%	3,436	6,419	-46.5%
CRUDE OIL OUTRIGHTS	CC5	225	90	150.0%	30	650.0%	555	690	-19.6%
CRUDE OIL OUTRIGHTS	CPD	0	700	-100.0%	0	0.0%	2,956	700	322.3%
CRUDE OIL OUTRIGHTS	CSN	0	0	0.0%	0	0.0%	0	30	-100.0%
CRUDE OIL OUTRIGHTS	CSW	45	85	-47.1%	30	50.0%	2,360	2,790	-15.4%
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0.0%	99	2,036	-95.1%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0.0%	0	330	-100.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	0.0%	0	0.0%	105	200	-47.5%
CRUDE OIL OUTRIGHTS	HTT	25,623	35,143	-27.1%	38,047	-32.7%	555,118	245,508	126.1%
CRUDE OIL OUTRIGHTS	LSW	0	285	-100.0%	0	0.0%	335	4,410	-92.4%
CRUDE OIL OUTRIGHTS	SSW	0	0	0.0%	0	0.0%	0	960	-100.0%
CRUDE OIL OUTRIGHTS	UMD	0	600	-100.0%	0	0.0%	4,800	600	700.0%
CRUDE OIL OUTRIGHTS	UNS	0	1,878	-100.0%	0	0.0%	7,554	1,878	302.2%
CRUDE OIL OUTRIGHTS	WCC	0	70	-100.0%	0	0.0%	0	24,807	-100.0%
CRUDE OIL OUTRIGHTS	WCW	8,540	15,780	-45.9%	2,162	295.0%	73,558	88,576	-17.0%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	14,546	0	-	10,095	44.1%	24,641	0	-
CRUDE OIL SPRDS	38	0	0	0.0%	0	0.0%	2,055	0	0.0%
CRUDE OIL SPRDS	WTT	15,275	51,458	-70.3%	10,718	42.5%	430,553	192,022	124.2%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	AOR	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	IDO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	NOC	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PAP	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PEO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PNO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PNP	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PWO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PWP	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	WOR	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
DAILY PJM	ZAO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	ZGO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	ZJO	0	0	0.0%	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	0.0%	0	0.0%	0	1,400	-100.0%
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0.0%	3,360	14,450	-76.7%
DEMARC INDEX FUTURE	DI	0	0	0.0%	0	-	0	0	0.0%
DEMARC SWING SWAP	DT	0	0	0.0%	0	-	0	0	0.0%
DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	0	0.0%	5	0	0.0%
DIESEL 10PPM BARGES FOB B	U7	0	0	0.0%	0	0.0%	0	3	-100.0%
DLY GAS EURO-BOB OXY	GBR	0	0	0.0%	0	-	0	0	0.0%
DOMINION TRAN INC - APP I	IH	0	0	0.0%	0	0.0%	0	2,920	-100.0%
DOMINION TRANSMISSION INC	PG	0	0	0.0%	0	0.0%	126	53,117	-99.8%
DUBAI CRUDE OIL BALMO	BI	0	50	-100.0%	0	0.0%	125	50	150.0%
DUBAI CRUDE OIL CALENDAR	DC	11,775	1,910	516.5%	15,305	-23.1%	111,582	83,846	33.1%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	0.0%	0	1,500	-100.0%
EASTERN RAIL DELIVERY CSX	QX	0	15	-100.0%	0	0.0%	245	4,870	-95.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0.0%	187	1,255	-85.1%
EIA FLAT TAX ONHWAY DIESE	A5	203	301	-32.6%	313	-35.1%	3,373	7,945	-57.5%
ELEC ERCOT DLY OFF PK	I4	0	0	-	0	0.0%	0	0	-
ELEC ERCOT DLY OFF PK	R4	0	0	0.0%	0	-	0	0	0.0%
ELEC ERCOT DLY PEAK	I3	0	0	-	0	0.0%	0	0	-
ELEC ERCOT DLY PEAK	I7	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	N1	0	0	0.0%	0	-	0	0	0.0%
ELEC ERCOT DLY PEAK	R1	0	0	0.0%	0	-	0	0	0.0%
ELEC ERCOT OFF PEAK	I2	0	0	-	0	0.0%	19,600	0	-
ELEC FINSETTLED	47	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC FINSETTLED	49	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC MISO PEAK	4L	0	0	0.0%	0	0.0%	0	3,825	-100.0%
ELEC MISO PEAK	55	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	4M	0	0	0.0%	0	0.0%	0	70,200	-100.0%
ELEC NYISO OFF-PEAK	58	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY ERCOT PEAK	ERE	0	0	0.0%	0	0.0%	0	690	-100.0%
ELECTRICITY OFF PEAK	46	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	4P	0	0	0.0%	55,380	-100.0%	55,380	0	0.0%
ELECTRICITY OFF PEAK	50	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC WEST POWER OFF-PEAK	MDA	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
ELEC WEST POWER PEAK	MDC	0	0	0.0%	0	0.0%	0	1,540	-100.0%
EL PASO PERMIAN INDEX SWA	IL	0	0	0.0%	0	-	0	0	0.0%
ERCOT DAILY 5MW PEAK	ERW	0	0	0.0%	0	0.0%	0	0	0.0%
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	I1	0	0	0.0%	0	0.0%	1,950	3,880	-49.7%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	0.0%	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	0	76,320	-100.0%	0	0.0%	19,600	191,440	-89.8%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	0.0%	0	0.0%	5,050	6,810	-25.8%
ETHANOL	Z1B	5	0	-	0	-	5	0	-
ETHANOL SWAP	MT2	30	0	-	270	-88.9%	700	0	-
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	2,355	1,636	43.9%	6,461	-63.6%	40,167	45,681	-12.1%
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0.0%	33	18	83.3%
EURO 3.5% FUEL OIL RDAM B	KR	58	171	-66.1%	235	-75.3%	5,732	5,048	13.5%
EURO 3.5% FUEL OIL SPREAD	FK	20	0	0.0%	0	0.0%	860	4,466	-80.7%
EURO-DENOMINATED PETRO PROD	NCP	0	0	0.0%	0	0.0%	640	1,514	-57.7%
EURO GASOIL 10 CAL SWAP	GT	0	0	0.0%	0	-	0	0	0.0%
EURO GASOIL 10PPM VS ICE	ET	0	0	0.0%	0	0.0%	370	430	-14.0%
EUROPE 1% FUEL OIL NWE CA	UF	24	56	-57.1%	120	-80.0%	570	765	-25.5%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0.0%	3	39	-92.3%
EUROPE 3.5% FUEL OIL MED	UI	10	43	-76.7%	4	150.0%	1,001	1,744	-42.6%
EUROPE 3.5% FUEL OIL RDAM	UV	1,607	7,309	-78.0%	3,205	-49.9%	78,702	85,392	-7.8%
EUROPEAN GASOIL (ICE)	7F	176	601	-70.7%	1,254	-86.0%	7,105	31,421	-77.4%
EUROPEAN NAPHTHA BALMO	KZ	48	267	-82.0%	184	-73.9%	3,087	3,923	-21.3%
EUROPEAN NAPHTHA CRACK SPR	EN	3,399	5,416	-37.2%	8,523	-60.1%	106,790	80,745	32.3%
EUROPE DATED BRENT SWAP	UB	580	0	0.0%	2,520	-77.0%	5,300	2,540	108.7%
EUROPE JET KERO NWE CALSW	UJ	0	0	0.0%	0	0.0%	39	105	-62.9%
EUROPE NAPHTHA CALSWAP	UN	1,669	2,234	-25.3%	2,614	-36.2%	39,775	31,941	24.5%
EURO PROPANE CIF ARA SWA	PS	942	1,036	-9.1%	2,051	-54.1%	21,260	15,311	38.9%
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	0.0%	0	-	0	0	0.0%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	0.0%	0	0	0.0%
FREIGHT MARKETS	FLP	348	175	98.9%	337	3.3%	2,533	1,797	41.0%
FREIGHT MARKETS	FRC	0	0	-	0	0.0%	600	0	-
FREIGHT MARKETS	FRS	0	50	-100.0%	0	0.0%	0	50	-100.0%
FREIGHT MARKETS	T2D	310	0	-	1,215	-74.5%	4,983	0	-
FREIGHT MARKETS	TC6	0	0	-	0	0.0%	240	0	-
FREIGHT MARKETS	TD3	0	0	-	0	0.0%	30	0	-
FREIGHT MARKETS	TD8	0	0	-	0	0.0%	150	0	-

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Energy Futures									
FUEL OIL CRACK VS ICE	FO	1,108	1,631	-32.1%	1,442	-23.2%	38,610	41,030	-5.9%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0.0%	171	0	0.0%
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	0.0%	154	20	670.0%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0.0%	120	0	0.0%
FUELOIL SWAP:CARGOES VS.B	FS	424	112	278.6%	15	2,726.7%	2,553	3,086	-17.3%
GAS EURO-BOB OXY NWE BARGES	7H	4,650	3,565	30.4%	5,318	-12.6%	86,232	72,390	19.1%
GAS EURO-BOB OXY NWE BARGES CRK	7K	8,075	14,611	-44.7%	12,780	-36.8%	206,227	223,046	-7.5%
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1 CIF MED SWAP	Z4	0	0	0.0%	0	0.0%	0	0	0.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0.0%	10	50	-80.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	0.0%	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	0.0%	0	0.0%	0	20	-100.0%
GASOIL 0.1 CRG CIF NW VS	4V	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	60	-100.0%	0	0.0%	10	354	-97.2%
GASOIL 0.1 ROTTERDAM BARG	VL	10	15	-33.3%	26	-61.5%	1,506	170	785.9%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	0.0%	0	25	-100.0%
GASOIL 10PPM CARGOES CIF	TY	0	0	0.0%	0	-	0	0	0.0%
GASOIL 10PPM VS ICE SWAP	TP	9	0	0.0%	0	0.0%	21	727	-97.1%
GASOIL BULLET SWAP	BG	0	330	-100.0%	0	0.0%	0	460	-100.0%
GASOIL CALENDAR SWAP	GX	0	0	0.0%	12	-100.0%	66	244	-73.0%
GASOIL CRACK SPREAD CALEN	GZ	1,188	2,394	-50.4%	604	96.7%	39,294	77,557	-49.3%
GASOIL MINI CALENDAR SWAP	QA	120	144	-16.7%	803	-85.1%	2,947	1,613	82.7%
GASOLINE UP-DOWN BALMO SW	1K	0	0	0.0%	0	-	0	0	0.0%
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	45	-100.0%	250	125	100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	-	0	0.0%	425	0	-
GRP THREE ULSD(PLT)VS HEA	A6	3,268	5,390	-39.4%	3,826	-14.6%	42,527	53,220	-20.1%
GRP THREE UNL GS (PLT) VS	A8	2,495	1,505	65.8%	1,735	43.8%	25,837	13,644	89.4%
GULF COAST 3% FUEL OIL BA	VZ	446	4,255	-89.5%	703	-36.6%	14,048	16,992	-17.3%
GULF COAST GASOLINE CLNDR	GS	0	0	0.0%	0	-	0	0	0.0%
GULF COAST JET FUEL CLNDR	GE	204	282	-27.7%	207	-1.4%	1,606	1,270	26.5%
GULF COAST JET VS NYM 2 H	ME	16,525	25,008	-33.9%	22,758	-27.4%	403,914	480,097	-15.9%
GULF COAST NO.6 FUEL OIL	MF	30,639	59,264	-48.3%	30,573	0.2%	608,490	629,301	-3.3%
GULF COAST NO.6 FUEL OIL	MG	936	1,730	-45.9%	830	12.8%	18,242	19,411	-6.0%
GULF COAST ULSD CALENDAR	LY	377	379	-0.5%	254	48.4%	3,950	5,953	-33.6%
GULF COAST ULSD CRACK SPR	GY	0	0	0.0%	240	-100.0%	1,655	3,870	-57.2%
HEATING OIL BALMO CLNDR S	1G	0	227	-100.0%	0	0.0%	243	1,057	-77.0%

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Energy Futures									
HEATING OIL CRCK SPRD BAL	1H	0	0	0.0%	0	-	0	0	0.0%
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%	0	0	0.0%
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	0.0%	32,088	52,732	-39.1%
HENRY HUB FINANCIAL LAST	NBP	0	1,069	-100.0%	0	0.0%	26,818	5,326	403.5%
HENRY HUB FINANCIAL LAST	TTE	0	294	-100.0%	0	0.0%	885	1,181	-25.1%
HENRY HUB INDEX SWAP FUTU	IN	0	0	0.0%	0	0.0%	32,088	50,542	-36.5%
HENRY HUB SWAP	NN	106,596	225,231	-52.7%	167,365	-36.3%	1,955,712	2,275,687	-14.1%
HENRY HUB SWING FUTURE	SN	0	0	0.0%	0	-	0	0	0.0%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	0.0%	0	9,257	-100.0%
HOUSTON SHIP CHANNEL INDE	IP	0	0	0.0%	0	-	0	0	0.0%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	0.0%	0	0.0%	0	719	-100.0%
ICE BRENT DUBAI SWAP	DB	2,550	2,267	12.5%	3,890	-34.4%	106,858	119,797	-10.8%
ICE GASOIL BALMO SWAP	U9	0	0	0.0%	0	0.0%	0	9	-100.0%
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	0.0%	1,248	2,850	-56.2%
INDIANA MISO	FAD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FTM	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PDD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PDM	0	0	0.0%	0	-	0	0	0.0%
INDIANA MISO	PTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PTM	0	0	0.0%	0	-	0	0	0.0%
INDONESIAN COAL	MCC	0	0	0.0%	0	0.0%	0	5	-100.0%
INDONESIAN COAL ICI4	ICI	40	0	-	205	-80.5%	1,760	0	-
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0.0%	0	10	-100.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	755	-100.0%	161	-100.0%	1,890	7,398	-74.5%
JAPAN C&F NAPHTHA SWAP	JA	829	1,634	-49.3%	1,105	-25.0%	23,044	18,408	25.2%
JAPAN NAPHTHA BALMO SWAP	E6	9	8	12.5%	20	-55.0%	637	1,418	-55.1%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	0.0%	0	0.0%	5	36	-86.1%
JET BARGES VS ICE GASOIL	JR	0	0	0.0%	0	-	0	0	0.0%
JET CIF NWE VS ICE	JC	35	70	-50.0%	0	0.0%	677	1,318	-48.6%
JET FUEL BRG FOB RDM VS I	9Q	0	0	0.0%	0	0.0%	0	5	-100.0%
JET FUEL CRG CIF NEW VS I	6X	0	0	0.0%	0	0.0%	0	64	-100.0%
JET FUEL UP-DOWN BALMO CL	1M	5,705	4,445	28.3%	5,370	6.2%	71,272	80,836	-11.8%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	192	100	92.0%	125	53.6%	3,287	2,220	48.1%

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Energy Futures									
LA CARBOB GASOLINE(OPIS)S	JL	160	450	-64.4%	410	-61.0%	5,670	3,225	75.8%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	0.0%	0	25	-100.0%
LA JET (OPIS) SWAP	JS	595	1,255	-52.6%	700	-15.0%	21,774	20,120	8.2%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	0.0%	607	0	-
LLS (ARGUS) VS WTI SWAP	WJ	1,195	9,030	-86.8%	2,800	-57.3%	60,624	64,990	-6.7%
LOS ANGELES CARB GASOLINE	MH	0	0	-	10	-100.0%	10	0	-
MARS (ARGUS) VS WTI SWAP	YX	25	2,520	-99.0%	985	-97.5%	22,295	36,539	-39.0%
MARS (ARGUS) VS WTI TRD M	YV	13,300	25,290	-47.4%	12,665	5.0%	233,266	260,006	-10.3%
MARS BLEND CRUDE OIL	MB	0	3,209	-100.0%	0	0.0%	2,319	18,177	-87.2%
MCCLOSKEY ARA ARGS COAL	MTF	11,531	19,098	-39.6%	24,979	-53.8%	274,172	501,130	-45.3%
MCCLOSKEY RCH BAY COAL	MFF	975	2,564	-62.0%	2,100	-53.6%	33,286	55,540	-40.1%
MGF FUT	MGF	0	0	0.0%	10	-100.0%	268	316	-15.2%
MGN1 SWAP FUT	MGN	110	52	111.5%	120	-8.3%	923	1,126	-18.0%
MICHCON NG INDEX SWAP	Y8	0	0	0.0%	0	-	0	0	0.0%
MICHIGAN BASIS	NF	0	0	0.0%	0	0.0%	0	2,748	-100.0%
MICHIGAN MISO	HMO	0	0	0.0%	0	0.0%	0	106,440	-100.0%
MICHIGAN MISO	HMW	0	0	0.0%	0	0.0%	0	5,730	-100.0%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	104	668	-84.4%	362	-71.3%	3,902	5,378	-27.4%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	358	120	198.3%	0	0.0%	3,741	5,846	-36.0%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	835	1,412	-40.9%	1,322	-36.8%	20,908	26,045	-19.7%
MJC FUT	MJC	0	235	-100.0%	50	-100.0%	1,460	1,540	-5.2%
MNC FUT	MNC	2,854	1,845	54.7%	5,026	-43.2%	48,644	45,730	6.4%
MONT BELVIEU ETHANE 5 DECIMAL	C0	17,112	14,734	16.1%	8,446	102.6%	189,923	256,776	-26.0%
MONT BELVIEU ETHANE OPIS BALMO	8C	210	335	-37.3%	80	162.5%	1,900	3,205	-40.7%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	79,687	100,522	-20.7%	136,581	-41.7%	1,462,178	1,122,133	30.3%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	2,956	1,502	96.8%	1,871	58.0%	29,975	19,536	53.4%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	5,810	21,700	-73.2%	7,858	-26.1%	97,757	85,506	14.3%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	565	323	74.9%	40	1,312.5%	4,191	3,667	14.3%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	27,196	18,774	44.9%	32,903	-17.3%	427,121	346,469	23.3%
MONT BELVIEU NORMAL BUTANE BALMO	8J	916	696	31.6%	920	-0.4%	12,905	8,436	53.0%
NAT GAS BASIS SWAP	TZ6	0	0	0.0%	0	0.0%	0	2,587	-100.0%
NATURAL GAS	HBI	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS	XIC	0	0	0.0%	0	0.0%	0	44	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	CFS	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	0	0	0.0%	0	0.0%	0	360	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	MFS	0	0	0.0%	0	-	0	0	0.0%

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Energy Futures									
NATURAL GAS FIXED PRICE SWAP FUTURES	PFS	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	WFS	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	ZTS	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS INDEX	TZI	0	0	0.0%	0	0.0%	0	656	-100.0%
NATURAL GAS PEN SWP	NP	32,241	47,572	-32.2%	54,632	-41.0%	422,431	973,379	-56.6%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	H2	0	0	0.0%	0	0.0%	136,440	235,140	-42.0%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0.0%	12,711	17,275	-26.4%
NEPOOL NE MASS 5MW D AH O	P8	0	0	0.0%	0	0.0%	0	14,040	-100.0%
NEPOOL NE MASS 5MW D AH P	P7	0	0	0.0%	0	0.0%	0	765	-100.0%
NEPOOL NEW HAMP 5MW D AH	U2	0	0	0.0%	0	-	0	0	0.0%
NEPOOL NEW HAMP 5MW D AH	U3	0	0	0.0%	0	-	0	0	0.0%
NEPOOL RHD ISLD 5MW D AH	U4	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	U5	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH O	P5	0	0	0.0%	0	-	0	0	0.0%
NEPOOL SE MASS 5MW D AH P	P4	0	0	0.0%	0	-	0	0	0.0%
NEPOOL W CNT MASS 5MW D A	L9	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL W CNTR M 5MW D AH	R6	0	0	0.0%	0	0.0%	0	0	0.0%
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	EZ	555	1,570	-64.6%	337	64.7%	12,583	10,820	16.3%
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	JN	0	0	0.0%	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	NL	0	0	0.0%	1,300	-100.0%	4,748	4,674	1.6%
NGPL MIDCONTINENT INDEX	IW	0	0	0.0%	0	-	0	0	0.0%
NGPL MIDCONTINENT SWING S	PX	0	0	0.0%	0	-	0	0	0.0%
NGPL TEX/OK	PD	2,400	0	0.0%	3,080	-22.1%	50,116	9,214	443.9%
NGPL TEXOK INDEX	OI	0	0	0.0%	0	-	0	0	0.0%
N ILLINOIS HUB DAILY	UD	0	0	0.0%	0	0.0%	0	0	0.0%
N ILLINOIS HUB MTHLY	UM	0	0	0.0%	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALEN	UT	150	100	50.0%	0	0.0%	3,133	3,759	-16.7%
NORTHEN NATURAL GAS DEMAR	PE	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS VENTU	PF	0	0	0.0%	0	0.0%	100	132	-24.2%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	0.0%	0	0.0%	0	3,088	-100.0%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0.0%	59	334	-82.3%

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Energy Futures									
NY1% VS GC SPREAD SWAP	VR	1,465	2,380	-38.4%	510	187.3%	15,373	25,857	-40.5%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	0.0%	0	0.0%	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	H1	110	150	-26.7%	0	0.0%	1,905	3,410	-44.1%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0.0%	50	25	100.0%
NY HARBOR HEAT OIL SWP	MP	1,677	1,255	33.6%	4,723	-64.5%	29,460	24,739	19.1%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	0.0%	600	-100.0%	3,445	4,273	-19.4%
NY HARBOR RESIDUAL FUEL 1	MM	1,265	2,481	-49.0%	621	103.7%	12,678	28,543	-55.6%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	50	-100.0%	50	0	-
NYH NO 2 CRACK SPREAD CAL	HK	60	210	-71.4%	534	-88.8%	8,636	14,244	-39.4%
NY H OIL PLATTS VS NYMEX	YH	0	0	0.0%	0	-	0	0	0.0%
NYISO A	KA	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO A OFF-PEAK	KB	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO CAPACITY	LHV	120	0	0.0%	0	0.0%	766	453	69.1%
NYISO CAPACITY	NNC	0	0	0.0%	60	-100.0%	795	2,306	-65.5%
NYISO CAPACITY	NRS	60	0	0.0%	0	0.0%	395	2,899	-86.4%
NYISO G	KG	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO G OFF-PEAK	KH	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO J	KJ	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0.0%	44,264	32,760	35.1%
NYISO ZONE A 5MW D AH PK	K3	0	420	-100.0%	0	0.0%	1,890	7,235	-73.9%
NYISO ZONE C 5MW D AH O P	A3	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH PK	Q5	0	0	0.0%	0	0.0%	0	110	-100.0%
NYISO ZONE G 5MW D AH O P	D2	0	9,344	-100.0%	11,550	-100.0%	626,384	789,929	-20.7%
NYISO ZONE G 5MW D AH PK	T3	0	3,064	-100.0%	635	-100.0%	21,159	60,668	-65.1%
NYISO ZONE J 5MW D AH O P	D4	0	0	0.0%	0	0.0%	0	226,600	-100.0%
NYISO ZONE J 5MW D AH PK	D3	0	2,550	-100.0%	0	0.0%	0	29,340	-100.0%
NY JET FUEL (PLATTS) HEAT OIL SWAP	1U	0	0	0.0%	0	-	0	0	0.0%
NYMEX ALUMINUM FUTURES	AN	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	UY	0	0	0.0%	0	0.0%	0	0	0.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	0	0	0.0%	0	0.0%	213	8,245	-97.4%
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0.0%	2,704	1,788	51.2%
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	OFM	0	0	0.0%	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	OPD	0	5	-100.0%	0	0.0%	10	510	-98.0%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0.0%	0	650	-100.0%

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Energy Futures									
PANHANDLE BASIS SWAP FUTU	PH	0	0	0.0%	0	0.0%	275	3,060	-91.0%
PANHANDLE INDEX SWAP FUTU	IV	0	0	0.0%	0	-	0	0	0.0%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0.0%	0	3,228	-100.0%
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0.0%	0	1,381	-100.0%
PETROCHEMICALS	22	139	242	-42.6%	108	28.7%	2,117	1,165	81.7%
PETROCHEMICALS	32	111	80	38.8%	51	117.6%	1,745	1,281	36.2%
PETROCHEMICALS	3NA	40	0	-	5	700.0%	51	0	-
PETROCHEMICALS	51	0	0	-	0	0.0%	23	0	-
PETROCHEMICALS	8I	133	475	-72.0%	0	0.0%	6,893	7,021	-1.8%
PETROCHEMICALS	91	220	407	-45.9%	477	-53.9%	5,018	3,497	43.5%
PETROCHEMICALS	HPE	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	JKM	620	595	4.2%	3,335	-81.4%	16,299	1,320	1,134.8%
PETROCHEMICALS	LPE	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAA	0	0	-	0	0.0%	50	0	-
PETROCHEMICALS	MAC	0	0	0.0%	0	0.0%	0	50	-100.0%
PETROCHEMICALS	MAE	216	70	208.6%	522	-58.6%	2,780	570	387.7%
PETROCHEMICALS	MAS	170	30	466.7%	370	-54.1%	2,251	405	455.8%
PETROCHEMICALS	MBE	270	130	107.7%	360	-25.0%	9,160	12,370	-25.9%
PETROCHEMICALS	MNB	932	733	27.1%	1,272	-26.7%	20,582	19,968	3.1%
PETROCHEMICALS	MPS	109	80	36.3%	203	-46.3%	1,462	180	712.2%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	0.0%	0	0.0%	0	150	-100.0%
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0.0%	0	182	-100.0%
PETRO CRCKS & SPRDS ASIA	STR	390	0	0.0%	300	30.0%	790	264	199.2%
PETRO CRCKS & SPRDS ASIA	STS	0	792	-100.0%	30	-100.0%	539	2,480	-78.3%
PETRO CRCKS & SPRDS NA	CRB	6,055	350	1,630.0%	6,935	-12.7%	35,880	3,130	1,046.3%
PETRO CRCKS & SPRDS NA	EXR	1,773	1,808	-1.9%	1,897	-6.5%	32,982	28,899	14.1%
PETRO CRCKS & SPRDS NA	FOC	300	675	-55.6%	200	50.0%	7,275	7,878	-7.7%
PETRO CRCKS & SPRDS NA	GBB	2,035	650	213.1%	440	362.5%	14,760	13,553	8.9%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0.0%	1,740	1,310	32.8%
PETRO CRCKS & SPRDS NA	GCI	347	730	-52.5%	539	-35.6%	14,947	11,328	31.9%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0.0%	163	59	176.3%
PETRO CRCKS & SPRDS NA	GCU	8,077	7,572	6.7%	6,359	27.0%	130,251	73,204	77.9%
PETRO CRCKS & SPRDS NA	GFC	0	20	-100.0%	0	0.0%	40	555	-92.8%
PETRO CRCKS & SPRDS NA	HOB	84	2,097	-96.0%	453	-81.5%	9,206	35,033	-73.7%
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	0.0%	0	75	-100.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	0.0%	0	0.0%	4	0	0.0%

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Energy Futures									
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0.0%	50	109	-54.1%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0.0%	0	1,125	-100.0%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	RBB	325	2,039	-84.1%	3,315	-90.2%	57,935	86,718	-33.2%
PETRO CRCKS & SPRDS NA	RVG	13,142	7,809	68.3%	14,599	-10.0%	187,871	181,036	3.8%
PETRO CRCKS & SPRDS NA	SF3	25	0	0.0%	25	0.0%	371	15	2,373.3%
PETRO CRK&SPRD EURO	1NB	410	780	-47.4%	1,625	-74.8%	20,126	13,999	43.8%
PETRO CRK&SPRD EURO	1ND	0	100	-100.0%	0	0.0%	100	525	-81.0%
PETRO CRK&SPRD EURO	43	0	123	-100.0%	0	0.0%	3,414	3,619	-5.7%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	BOB	437	736	-40.6%	980	-55.4%	18,153	20,260	-10.4%
PETRO CRK&SPRD EURO	EGB	0	0	0.0%	0	0.0%	0	5	-100.0%
PETRO CRK&SPRD EURO	EGN	0	0	0.0%	0	0.0%	0	18	-100.0%
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0.0%	222	127	74.8%
PETRO CRK&SPRD EURO	EPN	255	709	-64.0%	693	-63.2%	10,741	6,468	66.1%
PETRO CRK&SPRD EURO	EVC	504	2,914	-82.7%	1,138	-55.7%	21,636	29,725	-27.2%
PETRO CRK&SPRD EURO	FBT	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0.0%	30	0	0.0%
PETRO CRK&SPRD EURO	GCB	325	0	0.0%	0	0.0%	1,005	739	36.0%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0.0%	84	120	-30.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	110	-100.0%	220	150	46.7%
PETRO CRK&SPRD EURO	MUD	0	12	-100.0%	10	-100.0%	173	910	-81.0%
PETRO CRK&SPRD EURO	NBB	0	5	-100.0%	0	0.0%	182	139	30.9%
PETRO CRK&SPRD EURO	NOB	684	947	-27.8%	2,271	-69.9%	21,394	12,897	65.9%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0.0%	125	178	-29.8%
PETROLEUM PRODUCTS	D46	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	EWG	2,812	2,496	12.7%	4,382	-35.8%	58,413	32,545	79.5%
PETROLEUM PRODUCTS	MBS	0	0	0.0%	0	0.0%	0	80	-100.0%
PETROLEUM PRODUCTS	MGS	0	0	0.0%	0	0.0%	0	20	-100.0%
PETROLEUM PRODUCTS	MHE	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	MME	0	0	0.0%	30	-100.0%	60	50	20.0%
PETROLEUM PRODUCTS	MPE	0	18	-100.0%	0	0.0%	0	118	-100.0%
PETROLEUM PRODUCTS	VU	0	209	-100.0%	295	-100.0%	1,339	3,223	-58.5%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0.0%	714	242	195.0%
PETROLEUM PRODUCTS ASIA	MJN	1,400	1,438	-2.6%	2,265	-38.2%	22,700	20,833	9.0%

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Energy Futures									
PETROLEUM PRODUCTS ASIA	MSB	0	0	0.0%	0	0.0%	0	45	-100.0%
PETRO OUTRIGHT EURO	0B	20	0	0.0%	40	-50.0%	144	163	-11.7%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0.0%	23	70	-67.1%
PETRO OUTRIGHT EURO	0D	1,205	1,197	0.7%	1,491	-19.2%	15,797	26,473	-40.3%
PETRO OUTRIGHT EURO	0E	11	33	-66.7%	0	0.0%	249	4,137	-94.0%
PETRO OUTRIGHT EURO	0F	439	384	14.3%	444	-1.1%	6,014	11,717	-48.7%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0.0%	39	102	-61.8%
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0.0%	0	80	-100.0%
PETRO OUTRIGHT EURO	5L	22	0	0.0%	40	-45.0%	286	709	-59.7%
PETRO OUTRIGHT EURO	63	0	82	-100.0%	40	-100.0%	217	859	-74.7%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0.0%	0	7	-100.0%
PETRO OUTRIGHT EURO	7I	0	50	-100.0%	74	-100.0%	1,235	1,207	2.3%
PETRO OUTRIGHT EURO	7R	77	152	-49.3%	73	5.5%	3,083	2,657	16.0%
PETRO OUTRIGHT EURO	88	0	0	0.0%	20	-100.0%	125	75	66.7%
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	25	-100.0%	80	52	53.8%
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0.0%	0	50	-100.0%
PETRO OUTRIGHT EURO	CPB	155	679	-77.2%	127	22.0%	3,608	3,532	2.2%
PETRO OUTRIGHT EURO	EFF	0	13	-100.0%	21	-100.0%	185	323	-42.7%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0.0%	0	453	-100.0%
PETRO OUTRIGHT EURO	ENS	5	240	-97.9%	0	0.0%	150	420	-64.3%
PETRO OUTRIGHT EURO	ESB	0	0	0.0%	0	0.0%	0	69	-100.0%
PETRO OUTRIGHT EURO	EWN	599	788	-24.0%	719	-16.7%	8,461	8,279	2.2%
PETRO OUTRIGHT EURO	FBD	0	0	0.0%	0	0.0%	0	20	-100.0%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	0.0%	5	0	-
PETRO OUTRIGHT EURO	GES	0	0	-	0	0.0%	5	0	-
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	50	-100.0%	321	550	-41.6%
PETRO OUTRIGHT EURO	MBN	1,044	600	74.0%	150	596.0%	10,161	11,686	-13.0%
PETRO OUTRIGHT EURO	MEF	312	0	-	361	-13.6%	1,812	0	-
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0.0%	553	40	1,282.5%
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	0.0%	9	164	-94.5%
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	0.0%	0	375	-100.0%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0.0%	980	150	553.3%
PETRO OUTRIGHT EURO	W0	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	X0	0	0	0.0%	0	0.0%	116	0	0.0%
PETRO OUTRIGHT NA	FCB	0	0	0.0%	0	0.0%	808	1,836	-56.0%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0.0%	8	50	-84.0%

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Energy Futures									
PETRO OUTRIGHT NA	GBA	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	GUD	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	42	-100.0%	111	420	-73.6%
PETRO OUTRIGHT NA	JET	1,720	720	138.9%	1,965	-12.5%	35,110	44,806	-21.6%
PETRO OUTRIGHT NA	JTB	450	125	260.0%	900	-50.0%	8,000	3,938	103.1%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0.0%	40	266	-85.0%
PETRO OUTRIGHT NA	MEN	94	105	-10.5%	373	-74.8%	4,846	6,653	-27.2%
PETRO OUTRIGHT NA	MEO	1,405	3,123	-55.0%	2,497	-43.7%	39,908	94,727	-57.9%
PETRO OUTRIGHT NA	MFD	0	44	-100.0%	0	0.0%	100	247	-59.5%
PETRO OUTRIGHT NA	MMF	40	24	66.7%	27	48.1%	260	534	-51.3%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	0.0%	0	625	-100.0%
PETRO OUTRIGHT NA	XER	0	0	0.0%	0	0.0%	300	0	0.0%
PJM AD HUB 5MW REAL TIME	V3	7,440	0	0.0%	23,360	-68.2%	72,197	288,349	-75.0%
PJM AD HUB 5MW REAL TIME	Z9	840	0	0.0%	1,285	-34.6%	15,198	22,831	-33.4%
PJM AECO DA OFF-PEAK	X1	0	0	0.0%	0	0.0%	0	0	0.0%
PJM AECO DA PEAK	Y1	0	0	0.0%	0	0.0%	0	0	0.0%
PJM APS ZONE DA OFF-PEAK	W4	0	0	0.0%	0	0.0%	0	0	0.0%
PJM APS ZONE DA PEAK	S4	0	0	0.0%	0	0.0%	0	0	0.0%
PJM ATSI ELEC	MOD	0	0	0.0%	0	0.0%	0	46,800	-100.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0.0%	0	2,550	-100.0%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0.0%	0	85,390	-100.0%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0.0%	0	4,675	-100.0%
PJM DAILY	JD	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0.0%	0	211,995	-100.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0.0%	0	5,250	-100.0%
PJM JCPL DA OFF-PEAK	F2	0	0	0.0%	0	0.0%	0	0	0.0%
PJM JCPL DA PEAK	J2	0	0	0.0%	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	840	0	0.0%	0	0.0%	7,220	79,300	-90.9%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0.0%	5,925	1,719,650	-99.7%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0.0%	770	689,738	-99.9%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0.0%	64	39,492	-99.8%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	0.0%	2,960	-100.0%	2,960	0	0.0%
PJM PPL DA OFF-PEAK	F5	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
PJM PPL DA PEAK	L5	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	55,380	-100.0%	78,780	0	0.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	2,960	-100.0%	4,235	0	0.0%
PJM WES HUB PEAK LMP 50 M	4S	0	0	0.0%	0	-	0	0	0.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0.0%	101,810	54,300	87.5%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0.0%	5,525	8,620	-35.9%
PJM WESTH RT OFF-PEAK	N9	20,040	23,360	-14.2%	23,360	-14.2%	392,520	2,208,775	-82.2%
PJM WESTH RT PEAK	L1	2,860	14,725	-80.6%	1,799	59.0%	63,850	223,316	-71.4%
PLASTICS	PGP	537	280	91.8%	709	-24.3%	5,560	6,264	-11.2%
PREMIUM UNLTD 10P FOB MED	3G	320	50	540.0%	446	-28.3%	3,158	914	245.5%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	5	-100.0%	443	162	173.5%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	0.0%	3	-100.0%	83	7	1,085.7%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	40	0	0.0%	0	0.0%	366	37	889.2%
PROPANE NON-LDHD MB (OPIS) BALMO SWP	1S	1,817	325	459.1%	7	25,857.1%	7,013	5,252	33.5%
PROPANE NON-LDHD MT. BEL (OPIS) SWP	1R	11,666	8,530	36.8%	12,383	-5.8%	150,843	87,065	73.3%
RBOB CALENDAR SWAP	RL	3,201	3,881	-17.5%	3,612	-11.4%	65,352	83,819	-22.0%
RBOB CRACK SPREAD	RM	75	555	-86.5%	55	36.4%	9,658	11,362	-15.0%
RBOB CRACK SPREAD BALMO S	1E	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB GASOLINE BALMO CLNDR	1D	509	1,880	-72.9%	396	28.5%	11,687	12,245	-4.6%
RBOB PHY	RBL	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB (PLATTS) CAL SWAP	RY	0	0	0.0%	0	-	0	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB UP-DOWN CALENDAR SWA	RV	0	0	0.0%	0	-	0	0	0.0%
RBOB VS HEATING OIL SWAP	RH	0	650	-100.0%	0	0.0%	1,975	17,720	-88.9%
ROCKIES KERN OPAL - NW IN	IR	0	0	0.0%	0	-	0	0	0.0%
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0.0%	58	2,254	-97.4%
SAN JUAN PIPE SWAP	XX	0	0	-	0	0.0%	360	0	-
SINGAPORE 180CST BALMO	BS	16	90	-82.2%	10	60.0%	499	772	-35.4%
SINGAPORE 380CST BALMO	BT	160	165	-3.0%	93	72.0%	2,454	2,693	-8.9%
SINGAPORE 380CST FUEL OIL	SE	3,863	10,702	-63.9%	7,770	-50.3%	95,826	116,554	-17.8%
SINGAPORE FUEL 180CST CAL	UA	201	733	-72.6%	426	-52.8%	8,683	12,108	-28.3%
SINGAPORE FUEL OIL SPREAD	SD	75	95	-21.1%	175	-57.1%	6,261	7,038	-11.0%
SINGAPORE GASOIL	MAF	2,695	0	-	747	260.8%	4,748	0	-
SINGAPORE GASOIL	MTB	61	39	56.4%	48	27.1%	615	1,559	-60.6%
SINGAPORE GASOIL	MTS	2,935	4,997	-41.3%	5,698	-48.5%	55,855	57,540	-2.9%
SINGAPORE GASOIL	STL	0	0	0.0%	0	-	0	0	0.0%

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Energy Futures									
SINGAPORE GASOIL	STZ	0	323	-100.0%	0	0.0%	4,300	1,123	282.9%
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	0.0%	50	0	-
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	0.0%	250	0	-
SINGAPORE GASOIL CALENDAR	GHS	9	60	-85.0%	0	0.0%	9	60	-85.0%
SINGAPORE GASOIL CALENDAR	MGO	21	130	-83.8%	0	0.0%	221	130	70.0%
SINGAPORE GASOIL CALENDAR	MSG	250	140	78.6%	130	92.3%	5,132	3,293	55.8%
SINGAPORE GASOIL CALENDAR	SGG	0	168	-100.0%	0	0.0%	325	168	93.5%
SINGAPORE GASOIL SWAP	SG	2,085	1,654	26.1%	1,585	31.5%	49,344	90,723	-45.6%
SINGAPORE GASOIL VS ICE	GA	1,325	618	114.4%	2,403	-44.9%	130,138	70,787	83.8%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0.0%	215	536	-59.9%
SINGAPORE JET KERO GASOIL	RK	525	425	23.5%	675	-22.2%	35,345	18,735	88.7%
SINGAPORE JET KEROSENE SW	KS	175	0	0.0%	275	-36.4%	13,450	12,979	3.6%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	0.0%	0	0.0%	400	50	700.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	296	280	5.7%	50	492.0%	6,067	2,076	192.2%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	10,126	3,760	169.3%	14,066	-28.0%	162,080	85,721	89.1%
SINGAPORE NAPHTHA BALMO	KU	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	0.0%	200	0	-
SING FUEL	MSD	0	0	0.0%	0	0.0%	100	120	-16.7%
SOCAL PIPE SWAP	XN	0	0	0.0%	0	0.0%	0	0	0.0%
SONAT BASIS SWAP FUTURE	SZ	0	0	0.0%	0	0.0%	0	0	0.0%
SOUTHERN NAT LA NAT GAS	M8	0	0	0.0%	0	-	0	0	0.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	0.0%	0	0.0%	0	0	0.0%
Sumas Basis Swap	NK	0	0	0.0%	0	0.0%	91	6,238	-98.5%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	0.0%	0	0.0%	0	306	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	140	-100.0%	195	-100.0%	1,052	220	378.2%
TC5 RAS TANURA TO YOKOHAM	TH	480	75	540.0%	160	200.0%	1,665	75	2,120.0%
TCO BASIS SWAP	TC	856	0	0.0%	0	0.0%	856	8,949	-90.4%
TCO NG INDEX SWAP	Q1	0	0	0.0%	0	0.0%	0	0	0.0%
TD3 MEG TO JAPAN 250K MT	TL	3,125	360	768.1%	5,110	-38.8%	20,671	390	5,200.3%
TENN 800 LEG NAT GAS INDE	L4	0	0	0.0%	0	-	0	0	0.0%
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	0	0.0%	0	428	-100.0%
TENNESSEE 800 LEG NG BASI	6Z	0	0	0.0%	0	0.0%	0	0	0.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	0.0%	0	0.0%	0	484	-100.0%
TETCO M-3 INDEX	IX	0	0	0.0%	0	0.0%	0	0	0.0%
Tetco STX Basis	TX	0	0	0.0%	0	0.0%	0	0	0.0%
TEXAS EASTERN ZONE M-3 BA	NX	0	0	0.0%	0	0.0%	0	9,512	-100.0%

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Energy Futures									
TEXAS GAS ZONE1 NG BASIS	9F	0	0	0.0%	0	0.0%	0	0	0.0%
Transco Zone 3 Basis	CZ	0	0	0.0%	0	0.0%	0	302	-100.0%
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	0.0%	0	0.0%	0	6,256	-100.0%
TRANSCO ZONE4 BASIS SWAP	TR	0	0	0.0%	0	0.0%	0	13,239	-100.0%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	0	0.0%	0	465	-100.0%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	0.0%	0	0.0%	0	3,726	-100.0%
TRANSCO ZONE 6 INDEX	IT	0	0	0.0%	0	0.0%	0	856	-100.0%
UCM FUT	UCM	20	0	0.0%	0	0.0%	80	295	-72.9%
ULSD 10PPM CIF MED BALMO	X7	0	0	0.0%	0	-	0	0	0.0%
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	0.0%	0	30	-100.0%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0.0%	14	81	-82.7%
ULSD 10PPM CIF NW BALMO S	B1	0	0	0.0%	0	0.0%	0	6	-100.0%
ULSD 10PPM CIF VS ICE GAS	7V	0	0	0.0%	0	-	0	0	0.0%
ULSD UP-DOWN BALMO SWP	1L	3,600	9,050	-60.2%	7,971	-54.8%	67,675	62,513	8.3%
UP DOWN GC ULSD VS NMX HO	LT	20,772	34,918	-40.5%	35,075	-40.8%	383,467	551,389	-30.5%
USGC UNL 87 CRACK SPREAD	RU	0	0	0.0%	0	-	0	0	0.0%
WAHA BASIS	NW	250	723	-65.4%	0	0.0%	3,451	6,787	-49.2%
WAHA INDEX SWAP FUTURE	IY	0	0	0.0%	0	0.0%	0	0	0.0%
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0.0%	25	2,520	-99.0%
WTI-BRENT BULLET SWAP	BY	0	250	-100.0%	0	0.0%	6,650	1,154	476.3%
WTI-BRENT CALENDAR SWAP	BK	13,439	42,010	-68.0%	18,361	-26.8%	346,950	251,432	38.0%
WTI CALENDAR	CS	25,795	42,145	-38.8%	37,140	-30.5%	399,374	448,037	-10.9%
WTS (ARGUS) VS WTI SWAP	FF	2,574	13,520	-81.0%	3,138	-18.0%	91,302	72,712	25.6%
WTS (ARGUS) VS WTI TRD MT	FH	120	0	0.0%	120	0.0%	6,345	9,936	-36.1%
Energy Options									
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	0.0%	0	0.0%	0	830	-100.0%
1 MO GASOIL CAL SWAP SPR	GXA	0	0	0.0%	0	-	0	0	0.0%
BRENT 1 MONTH CAL	AA	0	0	-	0	0.0%	3,000	0	-
BRENT CALENDAR SWAP	BA	3,000	0	0.0%	286	949.0%	16,462	5,347	207.9%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	0.0%	0	0.0%	2,000	2,000	0.0%
BRENT CRUDE OIL 1 M CSO	9C	12,000	0	-	600	1,900.0%	423,088	0	-
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	0.0%	1,000	0	-
BRENT OIL LAST DAY	BE	64,882	1,000	6,388.2%	104,456	-37.9%	469,058	38,281	1,125.3%
BRENT OIL LAST DAY	BZO	98,552	74,481	32.3%	181,086	-45.6%	1,967,269	540,735	263.8%



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Energy Options									
BRENT OIL LAST DAY	OS	100	20	400.0%	0	0.0%	1,290	3,912	-67.0%
COAL API2 INDEX	CLA	50	25	100.0%	165	-69.7%	6,640	10,233	-35.1%
COAL API2 INDEX	CQA	0	50	-100.0%	175	-100.0%	3,655	825	343.0%
COAL API2 INDEX	MTC	0	0	0.0%	0	0.0%	0	50	-100.0%
COAL API4 INDEX	RLA	0	0	0.0%	0	0.0%	25	0	0.0%
COAL API4 INDEX	RQA	0	0	0.0%	0	0.0%	60	30	100.0%
COAL SWAP	CPF	0	0	0.0%	0	0.0%	0	180	-100.0%
COAL SWAP	RPF	0	0	0.0%	0	0.0%	0	605	-100.0%
CRUDE OIL 1MO	WA	179,500	104,118	72.4%	203,245	-11.7%	2,410,650	2,084,297	15.7%
CRUDE OIL APO	AO	47,949	94,893	-49.5%	53,102	-9.7%	534,847	640,113	-16.4%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	0.0%	170	0	-
CRUDE OIL OUTRIGHTS	AH	0	0	0.0%	0	0.0%	8,000	0	0.0%
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	WCI	0	0	0.0%	0	0.0%	390	11,770	-96.7%
CRUDE OIL PHY	CD	500	175	185.7%	0	0.0%	21,350	31,435	-32.1%
CRUDE OIL PHY	LC	20,051	9,387	113.6%	24,764	-19.0%	149,026	258,029	-42.2%
CRUDE OIL PHY	LO	3,227,028	2,335,851	38.2%	5,853,550	-44.9%	44,521,982	42,901,045	3.8%
CRUDE OIL PHY	LO1	19,355	4,481	331.9%	11,326	70.9%	188,943	164,240	15.0%
CRUDE OIL PHY	LO2	738	8,342	-91.2%	20,248	-96.4%	179,572	158,374	13.4%
CRUDE OIL PHY	LO3	25,872	7,762	233.3%	28,426	-9.0%	160,965	103,804	55.1%
CRUDE OIL PHY	LO4	18,466	11,817	56.3%	24,112	-23.4%	202,068	191,368	5.6%
CRUDE OIL PHY	LO5	0	8,059	-100.0%	21,930	-100.0%	71,635	61,548	16.4%
ELEC FINSETTLED	PML	0	0	0.0%	0	-	0	0	0.0%
ELEC MISO PEAK	9T	0	0	0.0%	0	0.0%	0	820	-100.0%
ETHANOL	CE1	0	0	0.0%	0	0.0%	275	75	266.7%
ETHANOL	CE3	0	0	0.0%	0	0.0%	150	325	-53.8%
ETHANOL SWAP	CVR	3,712	6,026	-38.4%	3,155	17.7%	70,070	73,329	-4.4%
ETHANOL SWAP	GVR	405	510	-20.6%	375	8.0%	3,898	2,168	79.8%
EURO-DENOMINATED PETRO PROD	NWE	0	0	0.0%	0	-	0	0	0.0%
EUROPEAN JET KEROSENE NWE (PLATTS) A	30	0	0	0.0%	0	0.0%	0	0	0.0%
GASOLINE	GCE	0	0	0.0%	0	0.0%	0	0	0.0%
HEATING OIL CRACK OPTIONS	CH	0	0	0.0%	0	0.0%	0	100	-100.0%
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	0.0%	0	0.0%	0	0	0.0%
HEATING OIL PHY	LB	1,048	85	1,132.9%	699	49.9%	2,767	2,813	-1.6%
HEATING OIL PHY	OH	37,381	38,253	-2.3%	54,471	-31.4%	386,859	395,078	-2.1%
HENRY HUB FINANCIAL LAST	E7	4,495	6,393	-29.7%	4,073	10.4%	52,503	47,791	9.9%

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Energy Options									
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	2,500	-100.0%	2,600	1,700	52.9%
HUSTN SHIP CHNL PIPE SWP	PK	0	0	0.0%	0	-	0	0	0.0%
LLS CRUDE OIL	WJO	0	0	0.0%	0	0.0%	100	6,900	-98.6%
LLS CRUDE OIL	YVO	0	0	0.0%	0	0.0%	0	3,750	-100.0%
MCCLOSKEY ARA ARG5 COAL	MTO	0	0	0.0%	0	0.0%	290	1,600	-81.9%
MCCLOSKEY RCH BAY COAL	MFO	0	275	-100.0%	70	-100.0%	2,145	275	680.0%
NATURAL GAS	G10	0	0	0.0%	0	0.0%	0	450	-100.0%
NATURAL GAS 1 M CSO FIN	G4	78,539	56,022	40.2%	123,150	-36.2%	570,809	487,016	17.2%
NATURAL GAS 2 M CSO FIN	G2	0	3,400	-100.0%	30	-100.0%	1,430	14,950	-90.4%
NATURAL GAS 3 M CSO FIN	G3	0	13,400	-100.0%	0	0.0%	44,246	159,825	-72.3%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0.0%	2,550	4,050	-37.0%
NATURAL GAS 6 M CSO FIN	G6	6,350	13,050	-51.3%	12,100	-47.5%	102,850	70,320	46.3%
NATURAL GAS OPTION ON CALENDAR STRP	6J	2,980	2,000	49.0%	6,660	-55.3%	37,282	14,670	154.1%
NATURAL GAS PHY	KD	1,045	61,673	-98.3%	6,040	-82.7%	202,634	517,490	-60.8%
NATURAL GAS PHY	LN	1,724,856	3,381,859	-49.0%	2,968,079	-41.9%	22,852,904	28,303,431	-19.3%
NATURAL GAS PHY	ON	148,156	362,293	-59.1%	420,400	-64.8%	2,383,119	2,586,748	-7.9%
NATURAL GAS PHY	ON1	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS WINTER STRIP	6I	0	0	-	0	0.0%	2,700	0	-
NG HH 3 MONTH CAL	IC	0	0	0.0%	0	-	0	0	0.0%
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	1,540	-100.0%	3,556	4,030	-11.8%
NY HARBOR HEAT OIL SWP	AT	3,680	1,512	143.4%	6,009	-38.8%	35,782	36,891	-3.0%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	0.0%	0	0.0%	0	19,830	-100.0%
NYMEX EUROPEAN GASOIL APO	F7	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL OPT	F8	0	0	0.0%	0	-	0	0	0.0%
PANHANDLE PIPE SWAP	PU	0	0	0.0%	0	0.0%	0	8,640	-100.0%
PETROCHEMICALS	4H	0	195	-100.0%	10	-100.0%	6,662	8,572	-22.3%
PETROCHEMICALS	4J	0	150	-100.0%	0	0.0%	1,350	3,095	-56.4%
PETROCHEMICALS	4K	0	0	0.0%	0	0.0%	3,300	1,200	175.0%
PETROCHEMICALS	CPR	0	0	0.0%	0	0.0%	0	18	-100.0%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0.0%	0	300	-100.0%
PETRO OUTRIGHT NA	DAP	240	0	0.0%	360	-33.3%	792	72	1,000.0%
PJM MONTHLY	JO	0	0	0.0%	0	-	0	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	60	140	-57.1%	80	-25.0%	860	4,100	-79.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	0.0%	0	0.0%	880	0	0.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	440	-100.0%	84	-100.0%	7,488	14,257	-47.5%
RBOB 1MO CAL SPD OPTIONS	ZA	0	50	-100.0%	0	0.0%	700	6,758	-89.6%

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Energy Options									
RBOB CALENDAR SWAP	RA	225	0	0.0%	75	200.0%	1,350	2,865	-52.9%
RBOB CRACK	RX	0	0	-	0	0.0%	2	0	-
RBOB PHY	OB	8,808	10,539	-16.4%	14,676	-40.0%	144,932	293,296	-50.6%
RBOB PHY	RF	0	0	0.0%	0	0.0%	125	1,335	-90.6%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	0.0%	2,149	3,240	-33.7%
SHORT TERM	C15	0	0	-	0	0.0%	500	0	-
SHORT TERM	U11	0	1,605	-100.0%	0	0.0%	1,236	7,575	-83.7%
SHORT TERM	U12	0	136	-100.0%	800	-100.0%	1,900	4,740	-59.9%
SHORT TERM	U13	0	1,160	-100.0%	100	-100.0%	500	5,119	-90.2%
SHORT TERM	U14	0	350	-100.0%	0	0.0%	863	3,980	-78.3%
SHORT TERM	U15	0	190	-100.0%	0	0.0%	797	5,415	-85.3%
SHORT TERM	U22	0	545	-100.0%	0	0.0%	1,271	3,527	-64.0%
SHORT TERM	U23	0	0	0.0%	0	0.0%	898	1,672	-46.3%
SHORT TERM	U24	0	0	0.0%	0	0.0%	879	3,225	-72.7%
SHORT TERM	U25	0	0	0.0%	0	0.0%	152	940	-83.8%
SHORT TERM	U26	0	0	0.0%	200	-100.0%	600	292	105.5%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0.0%	550	3,716	-85.2%
SHORT TERM NATURAL GAS	U02	0	300	-100.0%	0	0.0%	2,798	4,258	-34.3%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	750	-100.0%	2,279	2,273	0.3%
SHORT TERM NATURAL GAS	U04	0	1,443	-100.0%	0	0.0%	1,975	2,613	-24.4%
SHORT TERM NATURAL GAS	U05	0	1,068	-100.0%	200	-100.0%	1,630	11,208	-85.5%
SHORT TERM NATURAL GAS	U06	0	478	-100.0%	0	0.0%	1,500	9,148	-83.6%
SHORT TERM NATURAL GAS	U07	0	175	-100.0%	250	-100.0%	1,851	3,675	-49.6%
SHORT TERM NATURAL GAS	U08	0	405	-100.0%	0	0.0%	1,477	5,637	-73.8%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	100	-100.0%	1,634	5,214	-68.7%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0.0%	1,250	6,029	-79.3%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0.0%	700	7,010	-90.0%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0.0%	2,296	5,147	-55.4%
SHORT TERM NATURAL GAS	U18	0	868	-100.0%	0	0.0%	1,622	2,565	-36.8%
SHORT TERM NATURAL GAS	U19	0	785	-100.0%	0	0.0%	348	5,345	-93.5%
SHORT TERM NATURAL GAS	U20	0	325	-100.0%	0	0.0%	1,425	4,330	-67.1%
SHORT TERM NATURAL GAS	U21	250	430	-41.9%	0	0.0%	613	3,642	-83.2%
SHORT TERM NATURAL GAS	U27	100	150	-33.3%	0	0.0%	525	2,020	-74.0%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	0	0.0%	100	3,255	-96.9%
SHORT TERM NATURAL GAS	U29	0	150	-100.0%	50	-100.0%	510	906	-43.7%

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Commodity		VOLUME DEC 2018	VOLUME DEC 2017	% CHG	VOLUME NOV 2018	% CHG	VOLUME Y.T.D 2018	VOLUME Y.T.D 2017	% CHG
Energy Options									
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0.0%	100	4,745	-97.9%
SHORT TERM NATURAL GAS	U31	450	0	0.0%	0	0.0%	477	6,250	-92.4%
SINGAPORE GASOIL CALENDAR	M2	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALENDAR	N2	0	0	0.0%	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	ZN	0	0	0.0%	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	BV	17,585	58,976	-70.2%	31,435	-44.1%	856,315	564,527	51.7%
WTI CRUDE OIL 1 M CSO FI	7A	26,900	70,430	-61.8%	144,140	-81.3%	893,940	771,245	15.9%
Metals Futures									
COMEX GOLD	GC	4,132,009	5,186,587	-20.3%	6,351,240	-34.9%	80,301,590	72,802,171	10.3%
NYMEX HOT ROLLED STEEL	HR	7,205	5,531	30.3%	11,986	-39.9%	119,569	63,229	89.1%
NYMEX PLATINUM	PL	498,165	569,535	-12.5%	372,849	33.6%	5,463,799	4,852,160	12.6%
PALLADIUM	PA	74,888	72,890	2.7%	148,110	-49.4%	1,433,712	1,402,740	2.2%
URANIUM	UX	714	941	-24.1%	2,169	-67.1%	7,162	6,393	12.0%
COMEX SILVER	SI	1,300,620	1,388,100	-6.3%	2,299,125	-43.4%	23,987,051	23,034,989	4.1%
COMEX E-Mini GOLD	QO	4,651	4,992	-6.8%	9,527	-51.2%	96,481	92,442	4.4%
COMEX E-Mini SILVER	QI	847	814	4.1%	1,047	-19.1%	13,401	9,704	38.1%
COMEX COPPER	HG	1,406,137	2,353,163	-40.2%	2,546,723	-44.8%	32,710,103	27,051,503	20.9%
COMEX MINY COPPER	QC	262	627	-58.2%	337	-22.3%	5,195	8,269	-37.2%
ALUMINUM	A38	40	0	0.0%	0	0.0%	112	30	273.3%
ALUMINUM	AEP	1,491	2,340	-36.3%	3,847	-61.2%	20,068	29,963	-33.0%
ALUMINUM	ALA	0	1,260	-100.0%	240	-100.0%	5,755	6,685	-13.9%
ALUMINUM	ALI	0	0	0.0%	0	0.0%	0	5,755	-100.0%
ALUMINUM	AUP	3,434	9,336	-63.2%	8,126	-57.7%	98,922	85,683	15.5%
ALUMINUM	CUP	0	329	-100.0%	0	0.0%	205	329	-37.7%
ALUMINUM	EDP	634	1,235	-48.7%	1,605	-60.5%	17,730	10,865	63.2%
ALUMINUM	MJP	780	1,836	-57.5%	540	44.4%	13,155	17,399	-24.4%
COPPER	HGS	1,031	3,945	-73.9%	1,417	-27.2%	17,294	8,988	92.4%
E-MICRO GOLD	MGC	155,462	83,042	87.2%	161,742	-3.9%	1,801,078	1,141,590	57.8%
FERROUS PRODUCTS	BUS	1,200	75	1,500.0%	1,888	-36.4%	20,175	1,465	1,277.1%
GOLD	GPS	0	0	0.0%	0	0.0%	0	1	-100.0%
Gold Kilo	GCK	0	104	-100.0%	0	0.0%	136	3,665	-96.3%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	0.0%	0	0.0%	0	9,432	-100.0%
IRON ORE 62 CHINA TSI FUTURES	TIO	1,581	2,909	-45.7%	4,793	-67.0%	44,127	90,283	-51.1%

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Commodity		VOLUME DEC 2018	VOLUME DEC 2017	% CHG	VOLUME NOV 2018	% CHG	VOLUME Y.T.D 2018	VOLUME Y.T.D 2017	% CHG
Metals Futures									
LNDN ZINC	ZNC	582	16	3,537.5%	2,931	-80.1%	14,057	141	9,869.5%
METALS	LED	0	0	0.0%	0	-	0	0	0.0%
SILVER	SIL	10,730	4,848	121.3%	12,447	-13.8%	100,519	71,118	41.3%
Metals Options									
COMEX COPPER	HX	25,537	20,129	26.9%	40,977	-37.7%	351,780	107,490	227.3%
COMEX GOLD	OG	970,905	747,234	29.9%	888,967	9.2%	11,751,255	9,892,533	18.8%
COMEX SILVER	SO	114,737	111,985	2.5%	169,002	-32.1%	1,847,187	1,438,930	28.4%
COPPER	H1E	16	0	-	115	-86.1%	178	0	-
COPPER	H2E	6	0	-	12	-50.0%	154	0	-
COPPER	H3E	6	0	-	6	0.0%	119	0	-
COPPER	H4E	6	0	-	2	200.0%	177	0	-
COPPER	H5E	0	0	-	0	0.0%	12	0	-
GOLD	OG1	14,809	6,578	125.1%	9,314	59.0%	137,349	49,292	178.6%
GOLD	OG2	16,226	6,846	137.0%	10,790	50.4%	129,124	49,145	162.7%
GOLD	OG3	18,762	7,433	152.4%	17,031	10.2%	144,799	48,868	196.3%
GOLD	OG4	9,772	4,910	99.0%	6,663	46.7%	88,255	27,923	216.1%
GOLD	OG5	0	5,345	-100.0%	6,833	-100.0%	32,861	14,976	119.4%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	1,200	-100.0%	300	-100.0%	300	1,530	-80.4%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	0	0.0%	0	0.0%	200	18,094	-98.9%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	0.0%	0	0.0%	1,280	26,105	-95.1%
NYMEX PLATINUM	PO	2,553	6,305	-59.5%	2,721	-6.2%	45,372	36,869	23.1%
PALLADIUM	PAO	845	1,655	-48.9%	953	-11.3%	29,533	66,745	-55.8%
SILVER	SO1	239	5	4,680.0%	572	-58.2%	5,789	686	743.9%
SILVER	SO2	590	45	1,211.1%	914	-35.4%	5,708	262	2,078.6%
SILVER	SO3	1,718	22	7,709.1%	747	130.0%	8,489	629	1,249.6%
SILVER	SO4	567	18	3,050.0%	742	-23.6%	4,486	206	2,077.7%
SILVER	SO5	0	49	-100.0%	654	-100.0%	2,746	53	5,081.1%



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME DEC 2018	VOLUME DEC 2017	% CHG	VOLUME NOV 2018	% CHG	VOLUME Y.T.D 2018	VOLUME Y.T.D 2017	% CHG
TOTAL FUTURES GROUP								
Ag Products Futures	1	6	-83.3%	1	0.0%	85	195	-56.4%
Energy Futures	41,017,589	40,830,917	0.5%	55,332,509	-25.9%	565,244,290	564,935,443	0.1%
Metals Futures	7,602,463	9,694,455	-21.6%	11,942,689	-36.3%	146,291,396	130,806,992	11.8%
TOTAL FUTURES	48,620,053	50,525,378	-3.8%	67,275,199	-27.7%	711,535,771	695,742,630	2.3%
TOTAL OPTIONS GROUP								
Energy Options	5,785,308	6,758,695	-14.4%	10,330,132	-44.0%	80,060,765	81,784,467	-2.1%
Metals Options	1,177,294	919,759	28.0%	1,157,315	1.7%	14,587,153	11,780,336	23.8%
TOTAL OPTIONS	6,962,602	7,678,454	-9.3%	11,487,447	-39.4%	94,647,918	93,564,803	1.2%
TOTAL COMBINED								
Ag Products	1	6	-83.3%	1	0.0%	85	195	-56.4%
Energy	46,802,897	47,589,612	-1.7%	65,662,641	-28.7%	645,305,055	646,719,910	-0.2%
Metals	8,779,757	10,614,214	-17.3%	13,100,004	-33.0%	160,878,549	142,587,328	12.8%
GRAND TOTAL	55,582,655	58,203,832	-4.5%	78,762,646	-29.4%	806,183,689	789,307,433	2.1%