

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
Ag Products Futures																			
COCOA TAS	CJ	0	0	0.0%	0	5	-1	0	0	0.0%	0	0	0.0%	5	92	-94.6%	0	0	0.0%
COFFEE	KT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	41	-100.0%	0	0	0.0%
COTTON	TT	0	0	0.0%	1	1	0	0	0	0.0%	0	0	0.0%	22	20	10.0%	0	0	0.0%
SUGAR 11	YO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	58	42	38.1%	0	0	0.0%
Energy Futures																			
CRUDE OIL PHY	CL	0	0	0.0%	22,447,656	19,752,879	0.14	461,037	451,826	2.0%	0	0	0.0%	300,925,637	303,456,331	-0.8%	5,687,370	6,592,172	-13.7%
CRUDE OIL	WS	0	0	0.0%	0	126	-1	0	974	-100.0%	0	0	0.0%	89	430	-79.3%	15,550	75,170	-79.3%
MINY WTI CRUDE OIL	QM	0	0	0.0%	617,691	167,645	2.68	0	0	0.0%	0	0	0.0%	4,692,563	3,001,906	56.3%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	1,611,129	1,251,113	0.29	49,785	43,495	14.5%	0	0	0.0%	21,345,574	21,532,029	-0.9%	480,206	307,860	56.0%
HEATING OIL PHY	HO	0	0	0.0%	3,077,909	3,313,013	-0.07	161,090	191,402	-15.8%	0	0	0.0%	44,043,254	40,801,119	7.9%	2,234,629	2,795,077	-20.1%
HTG OIL	BH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	144	-100.0%	120	196	-38.8%
MINY HTG OIL	QH	0	0	0.0%	3	3	0	0	0	0.0%	0	0	0.0%	47	35	34.3%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	3,260,755	3,182,391	0.02	143,946	186,082	-22.6%	0	0	0.0%	47,134,720	46,507,031	1.3%	2,479,189	3,403,878	-27.2%
MINY RBOB GAS	QU	0	0	0.0%	4	4	0	0	0	0.0%	0	0	0.0%	47	51	-7.8%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	25,883	64,002	-0.6	67,623	88,226	-23.4%	0	0	0.0%	586,524	457,801	28.1%	851,495	1,211,222	-29.7%
LTD NAT GAS	HH	0	0	0.0%	196,954	164,086	0.2	197,368	151,502	30.3%	0	0	0.0%	2,561,557	1,572,338	62.9%	2,017,520	1,967,208	2.6%
MINY NATURAL GAS	QG	0	0	0.0%	45,578	40,333	0.13	0	12	-100.0%	0	0	0.0%	433,003	311,933	38.8%	36	12	200.0%
PJM MONTHLY	JM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	120	-100.0%
NATURAL GAS PHY	NG	0	0	0.0%	7,553,218	10,161,798	-0.26	298,056	338,810	-12.0%	0	0	0.0%	110,844,207	104,831,796	5.7%	3,411,871	3,560,001	-4.2%
RBOB GAS	RT	0	0	0.0%	0	0	0	0	1,910	-100.0%	0	0	0.0%	0	0	0.0%	14,386	28,456	-49.4%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	10	0	0.0%	0	0	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	0	0	0.0%	0	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%	0	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%	0	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%	0	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%	0	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%	0	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%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
APPALACHIAN COAL (PHY)	QL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	0	0	0.0%	-	0	0.0%

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Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
Energy Futures																			
ARGUS LLS VS. WTI (ARG) T	E5	0	0	0.0%	0	300	-1	15,739	30,055	-47.6%	0	0	0.0%	30	360	-91.7%	256,725	189,937	35.2%
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	3,071	3,877	-20.8%	0	0	0.0%	0	0	0.0%	68,590	32,339	112.1%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	1,778	1,394	27.5%	0	0	0.0%	0	0	0.0%	32,923	12,890	155.4%
AUSTRIALIAN COKE COAL	ACT	0	0	0.0%	0	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	20	240	-91.7%
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,003	-100.0%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	285	578	-50.7%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	1,588	4,247	-62.6%	0	0	0.0%	0	0	0.0%	39,825	34,990	13.8%
BRENT CFD SWAP	6W	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	300	-	-
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20,864	43,043	-51.5%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	127	0	0.0%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0	0	0	96	-100.0%	0	0	0.0%	0	0	0.0%	224	426	-47.4%
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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	0	0.0%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CANADIAN LIGHT SWEET OIL	CIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	7,344	-100.0%
CENTERPOINT BASIS SWAP	PW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	36	999	-96.4%
CENTERPOINT EAST INDEX	II	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CEU ENERGY	DEB	0	-	-	962	-	0	-	-	-	0	-	-	5,441	-	-	0	-	-
CEU ENERGY	TTF	0	-	-	2,583	-	0	-	-	-	0	-	-	20,654	-	-	10	-	-
CEU ENERGY	UKG	0	-	-	970	-	0	-	-	-	0	-	-	49,232	-	-	150	-	-
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	44	325	-0.86	78,973	95,279	-17.1%	0	0	0.0%	2,115	4,529	-53.3%	1,131,300	1,338,269	-15.5%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	0	0	0.0%	0	0	0	831	570	45.8%	0	0	0.0%	0	0	0.0%	5,838	2,208	164.4%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0	0	125	0	0.0%	0	0	0.0%	0	0	0.0%	1,075	0	0.0%
CIG BASIS	CI	0	0	0.0%	0	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	0	720	-100.0%
CINERGY HUB OFF-PEAK MON	EJ	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	0	326,080	-100.0%
CIN HUB 5MW D AH PK	H5	0	0	0.0%	0	0	0	1,254	1,220	2.8%	0	0	0.0%	0	0	0.0%	13,630	19,513	-30.1%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0	0	0	0	0.0%	0	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	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,505	25,625	-94.1%
COAL SWAP	ACM	0	0	0.0%	0	0	0	0	45	-100.0%	0	0	0.0%	0	0	0.0%	570	1,720	-66.9%

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Energy Futures																			
COAL SWAP	SSI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
COLUMB GULF MAINLINE NG B	5Z	0	0	0.0%	0	0	0	214	0	0.0%	0	0	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	0.0%	-	0	0.0%	-	0	0.0%
COLUMBIA GULF ONSHORE	GL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,332	-100.0%
CONWAY NATURAL GASOLINE	8L	0	0	0.0%	0	0	0	177	34	420.6%	0	0	0.0%	5	0	0.0%	2,826	2,984	-5.3%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	0	259	-100.0%	0	0	0.0%	0	0	0.0%	2,831	8,299	-65.9%
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	0	0	0	11,614	10,777	7.8%	0	0	0.0%	48	58	-17.2%	186,568	109,736	70.0%
CRUDE OIL	CHB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL	LPS	0	0	0.0%	0	0	0	4,400	4,130	6.5%	0	0	0.0%	0	203	-100.0%	53,385	45,996	16.1%
CRUDE OIL OUTRIGHTS	37	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	42	0	0	0.0%	0	0	0	759	632	20.1%	0	0	0.0%	0	0	0.0%	3,436	6,419	-46.5%
CRUDE OIL OUTRIGHTS	CC5	0	0	0.0%	0	0	0	225	90	150.0%	0	0	0.0%	0	0	0.0%	555	690	-19.6%
CRUDE OIL OUTRIGHTS	CPD	0	0	0.0%	0	0	0	0	700	-100.0%	0	0	0.0%	0	0	0.0%	2,956	700	322.3%
CRUDE OIL OUTRIGHTS	CSN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
CRUDE OIL OUTRIGHTS	CSW	0	0	0.0%	0	0	0	45	85	-47.1%	0	0	0.0%	0	0	0.0%	2,360	2,790	-15.4%
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	99	2,036	-95.1%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	330	-100.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	105	200	-47.5%
CRUDE OIL OUTRIGHTS	HTT	0	0	0.0%	0	0	0	25,623	35,143	-27.1%	0	0	0.0%	0	0	0.0%	555,118	245,508	126.1%
CRUDE OIL OUTRIGHTS	LSW	0	0	0.0%	0	0	0	0	285	-100.0%	0	0	0.0%	0	0	0.0%	335	4,410	-92.4%
CRUDE OIL OUTRIGHTS	SSW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	960	-100.0%
CRUDE OIL OUTRIGHTS	UMD	0	0	0.0%	0	0	0	0	600	-100.0%	0	0	0.0%	0	0	0.0%	4,800	600	700.0%
CRUDE OIL OUTRIGHTS	UNS	0	0	0.0%	0	0	0	0	1,878	-100.0%	0	0	0.0%	0	0	0.0%	7,554	1,878	302.2%
CRUDE OIL OUTRIGHTS	WCC	0	0	0.0%	0	0	0	0	70	-100.0%	0	0	0.0%	0	0	0.0%	0	24,807	-100.0%
CRUDE OIL OUTRIGHTS	WCW	0	0	0.0%	0	0	0	8,540	15,780	-45.9%	0	0	0.0%	0	0	0.0%	73,558	88,576	-17.0%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	0	-	-	12,696	-	-	1,850	-	-	0	-	-	22,791	-	-	1,850	-	-
CRUDE OIL SPRDS	38	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,055	0	0.0%
CRUDE OIL SPRDS	WTT	0	0	0.0%	0	0	0	15,275	51,458	-70.3%	0	0	0.0%	0	50	-100.0%	430,553	191,972	124.3%
CRUDE OIL TRADE AT MARKER	CLS	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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%	0	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%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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Energy Futures																			
DAILY PJM	PEO	0	0	0.0%	0	0	0	0	0.0%	0	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	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	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	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	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	0	0.0%	0	0	0.0%	0	0	0.0%	
DAILY PJM	ZAO	0	0	0.0%	0	0	0	0	0.0%	0	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	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	0	0.0%	0	0	0.0%	0	0	0.0%	
DATED BRENT (PLATTS) DAILY	7G	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,400	-100.0%	
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0	0	0	0.0%	0	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	0.0%	-	0	0.0%	-	0	0.0%	
DEMARC SWING SWAP	DT	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	0	0	0	0	0.0%	0	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	0.0%	0	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	0.0%	-	0	0.0%	-	0	0.0%	
DOMINION TRAN INC - APP I	IH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,920	-100.0%	
DOMINION TRANSMISSION INC	PG	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	126	53,117	-99.8%	
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	125	50	150.0%	
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0	0	11,775	1,910	516.5%	0	0	0.0%	0	0	0.0%	111,582	83,846	33.1%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,500	-100.0%	
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	245	4,870	-95.0%	
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	187	1,255	-85.1%	
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	0	203	301	-32.6%	0	0	0.0%	0	0	0.0%	3,373	7,945	-57.5%
ELEC ERCOT DLY OFF PK	I4	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
ELEC ERCOT DLY OFF PK	R4	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ELEC ERCOT DLY PEAK	I3	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
ELEC ERCOT DLY PEAK	I7	0	0	0.0%	0	0	0	0	0.0%	0	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	0.0%	-	0	0.0%	-	0	0.0%
ELEC ERCOT DLY PEAK	R1	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ELEC ERCOT OFF PEAK	I2	0	-	-	0	-	0	-	-	0	-	-	0	-	-	19,600	-	-	
ELEC FINSETTLED	47	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	
ELEC MISO PEAK	4L	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,825	-100.0%	

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.

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Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
Energy Futures																			
ELEC MISO PEAK	55	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ELEC NYISO OFF-PEAK	4M	0	0.0%	0	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	
ELECTRICITY ERCOT PEAK	ERE	0	0.0%	0	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	
ELECTRICITY OFF PEAK	4P	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	55,380	0	0.0%	
ELECTRICITY OFF PEAK	50	0	0.0%	0	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	
ELEC WEST POWER PEAK	MDC	0	0.0%	0	0	0	0	0	0.0%	0	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	0.0%	-	0	0.0%	-	0	0.0%	
ERCOT DAILY 5MW PEAK	ERW	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ERCOT HOUSTON Z MCPE 5M	I1	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,950	3,880	-49.7%	
ERCOT NORTH ZMCPE 5MW OF	I8	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ERCOT NORTH ZMCPE 5MW OF	I6	0	0.0%	0	0	0	0	76,320	-100.0%	0	0	0.0%	0	0	0.0%	19,600	191,440	-89.8%	
ERCOT NORTH ZMCPE 5MW PE	I5	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5,050	6,810	-25.8%	
ETHANOL	Z1B	0	-	0	-	-	5	-	-	0	-	-	0	-	-	5	-	-	
ETHANOL SWAP	MT2	0	-	0	-	-	30	-	-	0	-	-	0	-	-	700	-	-	
ETHANOL T2 FOB ROTT INCL D	Z1	0	0.0%	0	0	0	2,355	1,636	43.9%	0	0	0.0%	0	0	0.0%	40,167	45,681	-12.1%	
EURO 1% FUEL OIL NEW BALM	KX	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	33	18	83.3%	
EURO 3.5% FUEL OIL RDAM B	KR	0	0.0%	0	0	0	58	171	-66.1%	0	0	0.0%	0	0	0.0%	5,732	5,048	13.5%	
EURO 3.5% FUEL OIL SPREAD	FK	0	0.0%	0	0	0	20	0	0.0%	0	0	0.0%	0	0	0.0%	860	4,466	-80.7%	
EURO-DENOMINATED PETRO P	NCP	0	0.0%	0	0	0	0	0	0.0%	0	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	0.0%	-	0	0.0%	-	0	0.0%	
EURO GASOIL 10PPM VS ICE	ET	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	370	430	-14.0%	
EUROPE 1% FUEL OIL NWE CA	UF	0	0.0%	0	0	0	24	56	-57.1%	0	0	0.0%	0	0	0.0%	570	765	-25.5%	
EUROPE 1% FUEL OIL RDAM C	UH	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	39	-92.3%	
EUROPE 3.5% FUEL OIL MED	UI	0	0.0%	0	0	0	10	43	-76.7%	0	0	0.0%	0	0	0.0%	1,001	1,744	-42.6%	
EUROPE 3.5% FUEL OIL RDAM	UV	0	0.0%	0	0	0	1,607	7,309	-78.0%	0	0	0.0%	0	0	0.0%	78,702	85,392	-7.8%	
EUROPEAN GASOIL (ICE)	7F	0	0.0%	176	601	-0.71	0	0	0.0%	0	0	0.0%	7,105	31,363	-77.3%	0	58	-100.0%	
EUROPEAN NAPHTHA BALMO	KZ	0	0.0%	0	0	0	48	267	-82.0%	0	0	0.0%	0	0	0.0%	3,087	3,923	-21.3%	
EUROPEAN NAPHTHA CRACK SF	EN	0	0.0%	0	0	0	3,399	5,416	-37.2%	0	0	0.0%	0	0	0.0%	106,790	80,745	32.3%	
EUROPE DATED BRENT SWAP	UB	0	0.0%	0	0	0	580	0	0.0%	0	0	0.0%	0	0	0.0%	5,300	2,540	108.7%	
EUROPE JET KERO NWE CALS	UJ	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	39	105	-62.9%	
EUROPE NAPHTHA CALSWAP	UN	0	0.0%	0	0	0	1,669	2,234	-25.3%	0	0	0.0%	0	0	0.0%	39,775	31,941	24.5%	

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Energy Futures																			
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	0	942	1,036	-9.1%	0	0	0.0%	0	0	0.0%	21,260	15,311	38.9%
FL GAS ZONE 3 NAT GAS IND	Q9	-	0	0.0%	-	0	0	-	0	0.0%	-	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	0	348	175	98.9%	0	0	0.0%	0	0	0.0%	2,533	1,797	41.0%
FREIGHT MARKETS	FRC	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	600	-	-
FREIGHT MARKETS	FRS	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
FREIGHT MARKETS	T2D	0	-	-	0	-	0	310	-	-	0	-	0	-	-	0	4,983	-	-
FREIGHT MARKETS	TC6	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	240	-	-
FREIGHT MARKETS	TD3	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	30	-	-
FREIGHT MARKETS	TD8	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	150	-	-
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	0	1,108	1,631	-32.1%	0	0	0.0%	0	0	0.0%	38,610	41,030	-5.9%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	171	0	0.0%
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	154	20	670.0%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	120	0	0.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	0	424	112	278.6%	0	0	0.0%	0	0	0.0%	2,553	3,086	-17.3%
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	4,650	3,565	30.4%	0	0	0.0%	0	0	0.0%	86,232	72,390	19.1%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	8,075	14,611	-44.7%	0	0	0.0%	0	0	0.0%	206,227	223,046	-7.5%
GASOIL 0.1 BRGS FOB VS IC	6V	-	0	0.0%	-	0	0	-	0	0.0%	-	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%	0	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	0	0	0.0%	0	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%	0	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	0	0.0%	0	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	0.0%	-	0	0.0%	-	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	10	354	-97.2%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	10	15	-33.3%	0	0	0.0%	0	0	0.0%	1,506	170	785.9%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	0	0	0	0	0.0%	0	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	0.0%	-	0	0.0%	-	0	0.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	0	9	0	0.0%	0	0	0.0%	0	0	0.0%	21	727	-97.1%
GASOIL BULLET SWAP	BG	0	0	0.0%	0	0	0	0	330	-100.0%	0	0	0.0%	0	0	0.0%	0	460	-100.0%
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	66	244	-73.0%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	1,188	2,394	-50.4%	0	0	0.0%	0	0	0.0%	39,294	77,557	-49.3%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	0	120	144	-16.7%	0	0	0.0%	0	0	0.0%	2,947	1,613	82.7%
GASOLINE UP-DOWN BALMO S	1K	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	250	125	100.0%

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Energy Futures																			
GROUP THREE UNLEAD GAS (F	A9	0	-	-	0	-	0	-	-	0	-	-	0	-	-	425	-	-	
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	0	3,268	5,390	-39.4%	0	0	0.0%	0	0	0.0%	42,527	53,220	-20.1%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	0	2,495	1,505	65.8%	0	0	0.0%	0	0	0.0%	25,837	13,644	89.4%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	0	446	4,255	-89.5%	0	0	0.0%	0	0	0.0%	14,048	16,992	-17.3%
GULF COAST GASOLINE CLND	GS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	204	282	-27.7%	0	0	0.0%	0	0	0.0%	1,606	1,270	26.5%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	16,525	25,008	-33.9%	0	0	0.0%	0	0	0.0%	403,914	480,097	-15.9%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	0	30,639	59,264	-48.3%	0	0	0.0%	0	0	0.0%	608,490	629,301	-3.3%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	936	1,730	-45.9%	0	0	0.0%	0	0	0.0%	18,242	19,411	-6.0%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	377	379	-0.5%	0	0	0.0%	0	0	0.0%	3,950	5,953	-33.6%
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,655	3,870	-57.2%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	0	227	-100.0%	0	0	0.0%	0	0	0.0%	243	1,057	-77.0%
HEATING OIL CRCK SPRD BAL	1H	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HEATING OIL PHY	HOL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	2,996	-100.0%	32,088	49,736	-35.5%	
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	1,069	-1	0	0	0.0%	0	0	0.0%	26,818	5,326	403.5%	0	0	0.0%
HENRY HUB FINANCIAL LAST	TTE	0	0	0.0%	0	294	-1	0	0	0.0%	0	0	0.0%	885	1,181	-25.1%	0	0	0.0%
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	2,996	-100.0%	32,088	47,546	-32.5%
HENRY HUB SWAP	NN	0	0	0.0%	614	9,242	-0.93	105,982	215,989	-50.9%	0	0	0.0%	69,345	74,411	-6.8%	1,886,367	2,201,276	-14.3%
HENRY HUB SWING FUTURE	SN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	0	0	0	0	0.0%	0	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	0.0%	-	0	0.0%	-	0	0.0%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	719	-100.0%
ICE BRENT DUBAI SWAP	DB	0	0	0.0%	0	0	0	2,550	2,267	12.5%	0	0	0.0%	0	0	0.0%	106,858	119,797	-10.8%
ICE GASOIL BALMO SWAP	U9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	9	-100.0%
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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%	0	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%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	PDM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
INDIANA MISO	PTD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	PTM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
INDONESIAN COAL	MCC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
Energy Futures																			
INDONESIAN COAL ICI4	ICI	0	-	-	0	-	40	-	-	0	-	-	0	-	-	1,760	-	-	
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0	0	0	0.0%	0	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	0.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%	
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	0	755	-100.0%	0	0	0.0%	0	0	0.0%	1,890	7,398	-74.5%	
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	0	829	-49.3%	0	0	0.0%	0	0	0.0%	23,044	18,408	25.2%	
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	9	12.5%	0	0	0.0%	0	0	0.0%	637	1,418	-55.1%	
JET AV FUEL (P) CAR FM ICE G	1V	0	0	0.0%	0	0	0	0	0.0%	0	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	0.0%	-	0	0.0%	-	0	0.0%	
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	0	35	-50.0%	0	0	0.0%	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	0.0%	0	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	0.0%	0	0	0.0%	0	0	0.0%	0	64	-100.0%	
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	0	5,705	28.3%	0	0	0.0%	0	0	0.0%	71,272	80,836	-11.8%	
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
LA CARB DIESEL (OPIS) SWA	KL	0	0	0.0%	0	0	0	192	92.0%	0	0	0.0%	0	0	0.0%	3,287	2,220	48.1%	
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	160	-64.4%	0	0	0.0%	0	0	0.0%	5,670	3,225	75.8%	
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%	
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	0	595	-52.6%	0	0	0.0%	0	0	0.0%	21,774	20,120	8.2%	
LLS (ARGUS) CALENDAR SWAP	XA	0	-	-	0	-	0	-	-	0	-	-	0	-	-	607	-	-	
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	0	1,195	-86.8%	0	0	0.0%	0	15	-100.0%	60,624	64,975	-6.7%	
LOS ANGELES CARB GASOLIN	MH	0	-	-	0	-	0	-	-	0	-	-	0	-	-	10	-	-	
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	0	25	-99.0%	0	0	0.0%	0	70	-100.0%	22,295	36,469	-38.9%	
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	75	100	-0.25	13,225	-47.5%	0	0	0.0%	650	1,050	-38.1%	232,616	258,956	-10.2%	
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	200	-100.0%	2,319	17,977	-87.1%	
MCCLOSKEY ARA ARGS COAL	MTF	0	0	0.0%	0	0	0	11,531	-39.6%	0	0	0.0%	731	0	0.0%	273,441	501,070	-45.4%	
MCCLOSKEY RCH BAY COAL	MFF	0	0	0.0%	0	0	0	975	-62.0%	0	0	0.0%	0	0	0.0%	33,286	55,540	-40.1%	
MGF FUT	MGF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	268	316	-15.2%	
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	0	110	111.5%	0	0	0.0%	0	0	0.0%	923	1,126	-18.0%	
MICHCON NG INDEX SWAP	Y8	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
MICHIGAN BASIS	NF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,748	-100.0%	
MICHIGAN MISO	HMO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	106,440	-100.0%	
MICHIGAN MISO	HMW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,730	-100.0%	
MINI GAS EUROBOB OXY NWE	MEB	0	0	0.0%	0	0	0	104	-84.4%	0	0	0.0%	0	0	0.0%	3,902	5,378	-27.4%	
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	358	198.3%	0	0	0.0%	0	0	0.0%	3,741	5,846	-36.0%	
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	835	-40.9%	0	0	0.0%	0	0	0.0%	20,908	26,045	-19.7%	

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Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
Energy Futures																			
MJC FUT	MJC	0	0	0.0%	0	0	0	0	235	-100.0%	0	0	0.0%	0	0	0.0%	1,460	1,540	-5.2%
MNC FUT	MNC	0	0	0.0%	0	0	0	2,854	1,845	54.7%	0	0	0.0%	0	0	0.0%	48,644	45,690	6.5%
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	0	17,112	14,734	16.1%	0	0	0.0%	0	0	0.0%	189,923	256,776	-26.0%
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	210	335	-37.3%	0	0	0.0%	0	0	0.0%	1,900	3,205	-40.7%
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	25	97	-0.74	79,662	100,425	-20.7%	0	0	0.0%	237	498	-52.4%	1,461,941	1,121,635	30.3%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	2,956	1,502	96.8%	0	0	0.0%	0	0	0.0%	29,975	19,536	53.4%
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	0	5,810	21,700	-73.2%	0	0	0.0%	0	20	-100.0%	97,757	85,486	14.4%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	565	323	74.9%	0	0	0.0%	0	0	0.0%	4,191	3,667	14.3%
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	27,196	18,774	44.9%	0	0	0.0%	0	0	0.0%	427,121	346,444	23.3%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	916	696	31.6%	0	0	0.0%	0	0	0.0%	12,905	8,436	53.0%
NAT GAS BASIS SWAP	TZ6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,587	-100.0%
NATURAL GAS	HBI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS	XIC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	44	-100.0%
NATURAL GAS FIXED PRICE S	CFS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS FIXED PRICE S	DSF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	360	-100.0%
NATURAL GAS FIXED PRICE S	MFS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS FIXED PRICE S	PFS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS FIXED PRICE S	WFS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS FIXED PRICE S	ZTS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS INDEX	TZI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	656	-100.0%
NATURAL GAS PEN SWP	NP	0	0	0.0%	0	0	0	32,241	47,572	-32.2%	0	0	0.0%	0	62	-100.0%	422,431	973,317	-56.6%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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	0	0	0.0%	0	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	0	0	0.0%	0	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	0	0.0%	0	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	0	0.0%	0	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	0.0%	-	0	0.0%	-	0	0.0%
NEPOOL NEW HAMP 5MW D AH	U3	-	0	0.0%	-	0	0	-	0	0.0%	-	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%	0	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%	0	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	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	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG
Energy Futures																		
NEPOOL W CNTR M 5MW D AH	R6	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	EZ	0	0	0.0%	0	0	0	555	-64.6%	0	0	0.0%	0	0	0.0%	12,583	10,820	16.3%
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	NL	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,748	4,674	1.6%
NGPL MIDCONTINENT INDEX	IW	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NGPL MIDCONTINENT SWING S	PX	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NGPL TEX/OK	PD	0	0	0.0%	0	0	0	2,400	0.0%	0	0	0.0%	0	0	0.0%	50,116	9,214	443.9%
NGPL TEXOK INDEX	OI	-	0	0.0%	-	0	0	-	0.0%	-	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	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	0	0.0%	0	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALE	UT	0	0	0.0%	0	0	0	150	50.0%	0	0	0.0%	0	0	0.0%	3,133	3,759	-16.7%
NORTHEN NATURAL GAS DEM	PE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS VENT	PF	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,088	-100.0%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	59	334	-82.3%
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	0	1,465	-38.4%	0	0	0.0%	0	0	0.0%	15,373	25,857	-40.5%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	H1	0	0	0.0%	0	0	0	110	-26.7%	0	0	0.0%	0	0	0.0%	1,905	3,410	-44.1%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	25	100.0%
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	4	0	0	1,673	33.3%	0	0	0.0%	81	3	2,600.0%	29,379	24,736	18.8%
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,445	4,273	-19.4%
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	1,265	-49.0%	0	0	0.0%	0	0	0.0%	12,678	28,543	-55.6%
NY HARBOR RESIDUAL FUEL C	ML	0	-	-	0	-	0	0	-	0	-	-	0	-	-	50	-	-
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	60	-71.4%	0	0	0.0%	0	0	0.0%	8,636	14,244	-39.4%
NY H OIL PLATTS VS NYMEX	YH	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NYISO A	KA	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%
NYISO CAPACITY	LHV	0	0	0.0%	0	0	0	120	0.0%	0	0	0.0%	0	0	0.0%	766	453	69.1%
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	795	2,306	-65.5%
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	60	0.0%	0	0	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	0	0.0%	0	0	0.0%	0	0	0.0%

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Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
Energy Futures																			
NYISO G OFF-PEAK	KH	0	0	0.0%	0	0	0	0	0.0%	0	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	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	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	0	0.0%	0	0	0.0%	0	0	0.0%	44,264	32,760	35.1%	
NYISO ZONE A 5MW D AH PK	K3	0	0	0.0%	0	0	0	420	-100.0%	0	0	0.0%	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	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	0.0%	0	0	0.0%	0	0	0.0%	0	110	-100.0%	
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0	0	9,344	-100.0%	0	0	0.0%	0	0	0.0%	626,384	789,929	-20.7%	
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	0	3,064	-100.0%	0	0	0.0%	0	0	0.0%	21,159	60,668	-65.1%	
NYISO ZONE J 5MW D AH O P	D4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	226,600	-100.0%	
NYISO ZONE J 5MW D AH PK	D3	0	0	0.0%	0	0	0	2,550	-100.0%	0	0	0.0%	0	0	0.0%	0	29,340	-100.0%	
NY JET FUEL (PLATTS) HEAT OI	1U	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NYMEX ALUMINUM FUTURES	AN	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	
NY ULSD (ARGUS) VS HEATING	7Y	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	213	8,245	-97.4%	
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0	0	0	0.0%	0	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	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	0	0.0%	0	0	0.0%	0	0	0.0%	
ONTARIO POWER SWAPS	OPD	0	0	0.0%	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	10	510	-98.0%	
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	650	-100.0%	
PANHANDLE BASIS SWAP FUT	PH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	275	3,060	-91.0%	
PANHANDLE INDEX SWAP FUT	IV	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,228	-100.0%	
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,381	-100.0%	
PETROCHEMICALS	22	0	0	0.0%	0	0	139	242	-42.6%	0	0	0.0%	0	0	0.0%	2,117	1,165	81.7%	
PETROCHEMICALS	32	0	0	0.0%	0	0	111	80	38.8%	0	0	0.0%	0	0	0.0%	1,745	1,281	36.2%	
PETROCHEMICALS	3NA	0	-	-	0	-	40	-	-	0	-	-	0	-	-	51	-	-	
PETROCHEMICALS	51	0	-	-	0	-	0	-	-	0	-	-	0	-	-	23	-	-	
PETROCHEMICALS	8I	0	0	0.0%	0	0	133	475	-72.0%	0	0	0.0%	0	0	0.0%	6,893	7,021	-1.8%	
PETROCHEMICALS	91	0	0	0.0%	0	0	220	407	-45.9%	0	0	0.0%	0	0	0.0%	5,018	3,497	43.5%	
PETROCHEMICALS	HPE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETROCHEMICALS	JKM	0	0	0.0%	0	0	620	595	4.2%	0	0	0.0%	0	0	0.0%	16,299	1,320	1,134.8%	
PETROCHEMICALS	LPE	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROCHEMICALS	MAA	0	-	-	0	-	0	-	-	0	-	-	0	-	-	50	-	-	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
Energy Futures																			
PETROCHEMICALS	MAC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%	
PETROCHEMICALS	MAE	0	0	0.0%	0	0	216	70	208.6%	0	0	0.0%	0	0	0.0%	2,780	570	387.7%	
PETROCHEMICALS	MAS	0	0	0.0%	0	0	170	30	466.7%	0	0	0.0%	0	0	0.0%	2,251	405	455.8%	
PETROCHEMICALS	MBE	0	0	0.0%	0	0	270	130	107.7%	0	0	0.0%	0	0	0.0%	9,160	12,370	-25.9%	
PETROCHEMICALS	MNB	0	0	0.0%	0	0	932	733	27.1%	0	0	0.0%	0	0	0.0%	20,582	19,968	3.1%	
PETROCHEMICALS	MPS	0	0	0.0%	0	0	109	80	36.3%	0	0	0.0%	0	0	0.0%	1,462	180	712.2%	
PETRO CRCKS & SPRDS ASIA	JNC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	150	-100.0%	
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	182	-100.0%	
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0	390	0	0.0%	0	0	0.0%	0	0	0.0%	790	264	199.2%	
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0	0	792	-100.0%	0	0	0.0%	0	0	0.0%	539	2,480	-78.3%	
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	6,055	350	1,630.0%	0	0	0.0%	0	0	0.0%	35,880	3,130	1,046.3%	
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	1,773	1,808	-1.9%	0	0	0.0%	0	0	0.0%	32,982	28,899	14.1%	
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	300	675	-55.6%	0	0	0.0%	0	0	0.0%	7,275	7,878	-7.7%	
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	2,035	650	213.1%	0	0	0.0%	0	0	0.0%	14,760	13,553	8.9%	
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,740	1,310	32.8%	
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	347	730	-52.5%	0	0	0.0%	0	0	0.0%	14,947	11,328	31.9%	
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	163	59	176.3%	
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	8,077	7,572	6.7%	0	0	0.0%	0	0	0.0%	130,251	73,204	77.9%	
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	40	555	-92.8%	
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	84	2,097	-96.0%	0	0	0.0%	0	0	0.0%	9,206	35,033	-73.7%	
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	75	-100.0%	
PETRO CRCKS & SPRDS NA	MFR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4	0	0.0%	
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	109	-54.1%	
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	
PETRO CRCKS & SPRDS NA	RBB	0	0	0.0%	0	0	325	2,039	-84.1%	0	0	0.0%	0	0	0.0%	57,935	86,718	-33.2%	
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	13,142	7,809	68.3%	0	0	0.0%	0	0	0.0%	187,871	181,036	3.8%	
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	25	0	0.0%	0	0	0.0%	0	0	0.0%	371	15	2,373.3%	
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	410	780	-47.4%	0	0	0.0%	0	0	0.0%	20,126	13,999	43.8%	
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	100	525	-81.0%	
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	0	123	-100.0%	0	0	0.0%	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	0	0.0%	0	0	0.0%	0	0	0.0%	
PETRO CRK&SPRD EURO	BOB	0	0	0.0%	0	0	437	736	-40.6%	0	0	0.0%	0	0	0.0%	18,153	20,260	-10.4%	
PETRO CRK&SPRD EURO	EGB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
Energy Futures																			
PETRO CRK&SPRD EURO	EGN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	18	-100.0%	
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	222	127	74.8%	
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	255	709	-64.0%	0	0	0.0%	0	0	0.0%	10,741	6,468	66.1%	
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	504	2,914	-82.7%	0	0	0.0%	0	0	0.0%	21,636	29,725	-27.2%	
PETRO CRK&SPRD EURO	FBT	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	30	0	0.0%	
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0	325	0	0.0%	0	0	0.0%	0	0	0.0%	1,005	739	36.0%	
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	84	120	-30.0%	
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	220	150	46.7%	
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	0	12	-100.0%	0	0	0.0%	0	0	0.0%	173	910	-81.0%	
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	182	139	30.9%	
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	684	947	-27.8%	0	0	0.0%	0	0	0.0%	21,394	12,897	65.9%	
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	125	178	-29.8%	
PETROLEUM PRODUCTS	D46	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETROLEUM PRODUCTS	EWG	0	0	0.0%	0	0	2,812	2,496	12.7%	0	0	0.0%	0	0	0.0%	58,413	32,545	79.5%	
PETROLEUM PRODUCTS	MBS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	80	-100.0%	
PETROLEUM PRODUCTS	MGS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%	
PETROLEUM PRODUCTS	MHE	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROLEUM PRODUCTS	MME	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	50	20.0%	
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0	0	18	-100.0%	0	0	0.0%	0	0	0.0%	0	118	-100.0%	
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	0	209	-100.0%	0	0	0.0%	0	0	0.0%	1,339	3,223	-58.5%	
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	714	242	195.0%	
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	1,400	1,438	-2.6%	0	0	0.0%	0	0	0.0%	22,700	20,833	9.0%	
PETROLEUM PRODUCTS ASIA	MSB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	45	-100.0%	
PETRO OUTRIGHT EURO	0B	0	0	0.0%	0	0	20	0	0.0%	0	0	0.0%	0	0	0.0%	144	163	-11.7%	
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	23	70	-67.1%	
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	1,205	1,197	0.7%	0	0	0.0%	0	0	0.0%	15,797	26,473	-40.3%	
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	11	33	-66.7%	0	0	0.0%	0	0	0.0%	249	4,137	-94.0%	
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	439	384	14.3%	0	0	0.0%	0	0	0.0%	6,014	11,657	-48.4%	
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	39	102	-61.8%	
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	80	-100.0%	
PETRO OUTRIGHT EURO	5L	0	0	0.0%	0	0	22	0	0.0%	0	0	0.0%	0	0	0.0%	286	709	-59.7%	
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	82	-100.0%	0	0	0.0%	0	0	0.0%	217	859	-74.7%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG
Energy Futures																		
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	7	-100.0%
PETRO OUTRIGHT EURO	71	0	0	0.0%	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	1,235	1,207	2.3%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	77	152	-49.3%	0	0	0.0%	0	0	0.0%	3,083	2,657	16.0%
PETRO OUTRIGHT EURO	88	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	125	75	66.7%
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	80	52	53.8%
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
PETRO OUTRIGHT EURO	CPB	0	0	0.0%	0	0	155	679	-77.2%	0	0	0.0%	0	0	0.0%	3,608	3,532	2.2%
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	0	0	0	13	-100.0%	0	0	0.0%	0	0	0.0%	185	323	-42.7%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	453	-100.0%
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	0	0	5	240	-97.9%	0	0	0.0%	0	0	0.0%	150	420	-64.3%
PETRO OUTRIGHT EURO	ESB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	69	-100.0%
PETRO OUTRIGHT EURO	EWN	0	0	0.0%	0	0	599	788	-24.0%	0	0	0.0%	0	0	0.0%	8,461	8,279	2.2%
PETRO OUTRIGHT EURO	FBD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
PETRO OUTRIGHT EURO	FLB	0	-	-	0	-	0	-	-	0	-	-	0	-	-	5	-	-
PETRO OUTRIGHT EURO	GES	0	-	-	0	-	0	-	-	0	-	-	0	-	-	5	-	-
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	321	550	-41.6%
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	1,044	600	74.0%	0	0	0.0%	0	0	0.0%	10,161	11,686	-13.0%
PETRO OUTRIGHT EURO	MEF	0	-	-	0	-	312	-	-	0	-	-	0	-	-	1,812	-	-
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	553	40	1,282.5%
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	9	164	-94.5%
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	375	-100.0%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	980	150	553.3%
PETRO OUTRIGHT EURO	W0	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	X0	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	116	0	0.0%
PETRO OUTRIGHT NA	FCB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	808	1,836	-56.0%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	8	50	-84.0%
PETRO OUTRIGHT NA	GBA	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	GUD	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	111	420	-73.6%
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	1,720	720	138.9%	0	0	0.0%	0	0	0.0%	35,110	44,806	-21.6%
PETRO OUTRIGHT NA	JTB	0	0	0.0%	0	0	450	125	260.0%	0	0	0.0%	0	0	0.0%	8,000	3,938	103.1%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	40	266	-85.0%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	94	105	-10.5%	0	0	0.0%	0	0	0.0%	4,846	6,653	-27.2%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	1,405	3,123	-55.0%	0	0	0.0%	0	0	0.0%	39,908	94,727	-57.9%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG
Energy Futures																		
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	44	-100.0%	0	0	0.0%	0	0	0.0%	100	247	-59.5%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	40	24	66.7%	0	0	0.0%	0	0	0.0%	260	534	-51.3%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	625	-100.0%
PETRO OUTRIGHT NA	XER	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	0	0.0%
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	7,440	0	0.0%	0	0	0.0%	0	0	0.0%	72,197	288,349	-75.0%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	840	0	0.0%	0	0	0.0%	0	0	0.0%	15,198	22,831	-33.4%
PJM AECO DA OFF-PEAK	X1	0	0	0.0%	0	0	0	0	0.0%	0	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	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	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	0	0.0%	0	0	0.0%	0	0	0.0%
PJM ATSI ELEC	MOD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	46,800	-100.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0	0	0	0.0%	0	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	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	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	0.0%	0	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	0.0%	0	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	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	0.0%	0	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	0.0%	0	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	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	0	0.0%	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	0	0.0%	0	0	840	0	0.0%	0	0	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	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	770	689,738	-99.9%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK CA	4N	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,960	0	0.0%
PJM PPL DA OFF-PEAK	F5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PPL DA PEAK	L5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	78,780	0	0.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,235	0	0.0%
PJM WEST HUB PEAK LMP 50 M	4S	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	101,810	54,300	87.5%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5,525	8,620	-35.9%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
Energy Futures																			
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	0	20,040	23,360	-14.2%	0	0	0.0%	0	0	0.0%	392,520	2,208,775	-82.2%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	0	2,860	14,725	-80.6%	0	0	0.0%	0	0	0.0%	63,850	223,316	-71.4%
PLASTICS	PGP	0	0	0.0%	0	0	0	537	280	91.8%	0	0	0.0%	0	0	0.0%	5,560	6,264	-11.2%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	320	50	540.0%	0	0	0.0%	0	0	0.0%	3,158	914	245.5%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	443	162	173.5%
PREM UNL GAS 10PPM RDAM F	7N	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	83	7	1,085.7%
PREM UNL GAS 10PPM RDAM F	7L	0	0	0.0%	0	0	0	40	0	0.0%	0	0	0.0%	0	0	0.0%	366	37	889.2%
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	1,817	325	459.1%	0	0	0.0%	0	0	0.0%	7,013	5,252	33.5%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	11,666	8,530	36.8%	0	0	0.0%	0	0	0.0%	150,843	87,065	73.3%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	3,201	3,881	-17.5%	0	0	0.0%	0	5	-100.0%	65,352	83,814	-22.0%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	75	555	-86.5%	0	0	0.0%	0	0	0.0%	9,658	11,362	-15.0%
RBOB CRACK SPREAD BALMO	1E	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
RBOB GASOLINE BALMO CLND	1D	0	0	0.0%	0	0	0	509	1,880	-72.9%	0	0	0.0%	0	0	0.0%	11,687	12,245	-4.6%
RBOB PHY	RBL	0	0	0.0%	0	0	0	0	0	0.0%	0	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	0.0%	-	0	0.0%	-	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
RBOB UP-DOWN CALENDAR S	RV	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	0	0	0	0	650	-100.0%	0	0	0.0%	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	0.0%	-	0	0.0%	-	0	0.0%
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	58	2,254	-97.4%
SAN JUAN PIPE SWAP	XX	0	-	-	0	-	0	0	-	-	0	-	0	-	-	-	360	-	-
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	0	16	90	-82.2%	0	0	0.0%	0	0	0.0%	499	772	-35.4%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	160	165	-3.0%	0	0	0.0%	0	0	0.0%	2,454	2,693	-8.9%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	3,863	10,702	-63.9%	0	0	0.0%	0	0	0.0%	95,826	116,554	-17.8%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	201	733	-72.6%	0	0	0.0%	0	0	0.0%	8,683	12,108	-28.3%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	75	95	-21.1%	0	0	0.0%	0	0	0.0%	6,261	7,038	-11.0%
SINGAPORE GASOIL	MAF	0	-	-	0	-	0	2,695	-	-	0	-	0	-	-	-	4,748	-	-
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	61	39	56.4%	0	0	0.0%	0	0	0.0%	615	1,559	-60.6%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	2,935	4,997	-41.3%	0	0	0.0%	0	0	0.0%	55,855	57,534	-2.9%
SINGAPORE GASOIL	STL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0	0	0	323	-100.0%	0	0	0.0%	0	0	0.0%	4,300	1,123	282.9%
SINGAPORE GASOIL CALEND	GDH	0	-	-	0	-	0	0	-	-	0	-	0	-	-	-	50	-	-
SINGAPORE GASOIL CALEND	GDL	0	-	-	0	-	0	0	-	-	0	-	0	-	-	-	250	-	-
SINGAPORE GASOIL CALEND	GHS	0	0	0.0%	0	0	0	9	60	-85.0%	0	0	0.0%	0	0	0.0%	9	60	-85.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
Energy Futures																			
SINGAPORE GASOIL CALEND	MGO	0	0	0.0%	0	0	0	21	130	-83.8%	0	0	0.0%	0	0	0.0%	221	130	70.0%
SINGAPORE GASOIL CALEND	MSG	0	0	0.0%	0	0	0	250	140	78.6%	0	0	0.0%	0	0	0.0%	5,132	3,293	55.8%
SINGAPORE GASOIL CALEND	SGG	0	0	0.0%	0	0	0	0	168	-100.0%	0	0	0.0%	0	0	0.0%	325	168	93.5%
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	0	0	2,085	1,654	26.1%	0	0	0.0%	2	36	-94.4%	49,342	90,687	-45.6%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	1,325	618	114.4%	0	0	0.0%	0	0	0.0%	130,138	70,787	83.8%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	215	536	-59.9%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	525	425	23.5%	0	0	0.0%	0	0	0.0%	35,345	18,735	88.7%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	175	0	0.0%	0	0	0.0%	0	0	0.0%	13,450	12,979	3.6%
SINGAPORE JET KERO VS. GAS	ZO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	400	50	700.0%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	296	280	5.7%	0	0	0.0%	0	0	0.0%	6,067	2,076	192.2%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	0	10,126	3,760	169.3%	0	0	0.0%	2	5	-60.0%	162,078	85,716	89.1%
SINGAPORE NAPHTHA BALMO	KU	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE NAPHTHA SWAP	SP	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0.0%	200	-	-
SING FUEL	MSD	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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%	0	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	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Sumas Basis Swap	NK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	91	6,238	-98.5%
SUMAS NAT GAS PLATTS FIXE	DVS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	306	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	0.0%	0	0	0	0	140	-100.0%	0	0	0.0%	0	0	0.0%	1,052	220	378.2%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	480	75	540.0%	0	0	0.0%	0	0	0.0%	1,665	75	2,120.0%
TCO BASIS SWAP	TC	0	0	0.0%	0	0	0	856	0	0.0%	0	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
TD3 MEG TO JAPAN 250K MT	TL	0	0	0.0%	0	0	0	3,125	360	768.1%	0	0	0.0%	0	0	0.0%	20,671	390	5,200.3%
TENN 800 LEG NAT GAS INDE	L4	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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	0	0.0%	0	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%	0	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%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	0	9,512	-100.0%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Transco Zone 3 Basis	CZ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	302	-100.0%

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Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG
Energy Futures																		
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	0.0%	0	0	0	0	0.0%	0	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	0.0%	0	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	0.0%	0	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	0.0%	0	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	0.0%	0	0	0.0%	0	0	0.0%	0	856	-100.0%
UCM FUT	UCM	0	0	0.0%	0	0	20	0	0.0%	0	0	0.0%	0	0	0.0%	80	295	-72.9%
ULSD 10PPM CIF MED BALMO	X7	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	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	0.0%	0	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	0.0%	-	0	0.0%	-	0	0.0%
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	3,600	9,050	-60.2%	0	0	0.0%	0	0	0.0%	67,675	62,513	8.3%
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	20,772	34,918	-40.5%	0	0	0.0%	0	0	0.0%	383,467	551,389	-30.5%
USGC UNL 87 CRACK SPREAD	RU	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
WAHA BASIS	NW	0	0	0.0%	0	0	250	723	-65.4%	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	25	2,520	-99.0%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	250	-100.0%	0	0	0.0%	0	0	0.0%	6,650	1,154	476.3%
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	13,439	42,010	-68.0%	0	0	0.0%	6	120	-95.0%	346,944	251,312	38.1%
WTI CALENDAR	CS	0	0	0.0%	0	0	25,795	42,145	-38.8%	0	0	0.0%	0	0	0.0%	399,374	448,037	-10.9%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	2,574	13,520	-81.0%	0	0	0.0%	0	0	0.0%	91,302	72,712	25.6%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	120	0	0.0%	0	0	0.0%	0	0	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	0.0%	0	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	0.0%	-	0	0.0%	-	0	0.0%
BRENT 1 MONTH CAL	AA	0	-	-	0	-	0	-	-	0	-	-	0	-	-	3,000	-	-
BRENT CALENDAR SWAP	BA	0	0	0.0%	0	0	3,000	0	0.0%	0	0	0.0%	24	0	0.0%	16,438	5,347	207.4%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,000	2,000	0.0%
BRENT CRUDE OIL 1 M CSO	9C	0	-	-	0	-	12,000	-	-	0	-	-	3,000	-	-	420,088	-	-
BRENT CRUDE OIL 6 M CSO	9L	0	-	-	0	-	0	-	-	0	-	-	0	-	-	1,000	-	-
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	64,882	1,000	6,388.2%	0	0	0.0%	0	0	0.0%	469,058	38,281	1,125.3%

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Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
Energy Options																			
BRENT OIL LAST DAY	BZO	0	0	0.0%	70,677	19,966	2.54	27,875	54,515	-48.9%	0	0	0.0%	875,136	149,385	485.8%	1,092,133	391,350	179.1%
BRENT OIL LAST DAY	OS	0	0	0.0%	100	20	4	0	0	0.0%	0	0	0.0%	290	212	36.8%	1,000	3,700	-73.0%
COAL API2 INDEX	CLA	0	0	0.0%	0	0	0	50	25	100.0%	0	0	0.0%	0	0	0.0%	6,640	10,233	-35.1%
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	3,655	825	343.0%
COAL API2 INDEX	MTC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
COAL API4 INDEX	RLA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	25	0	0.0%
COAL API4 INDEX	RQA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	30	100.0%
COAL SWAP	CPF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	180	-100.0%
COAL SWAP	RPF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	605	-100.0%
CRUDE OIL 1MO	WA	0	0	0.0%	7,400	16,950	-0.56	172,100	87,168	97.4%	0	0	0.0%	196,385	402,140	-51.2%	2,214,265	1,682,157	31.6%
CRUDE OIL APO	AO	0	0	0.0%	0	28	-1	47,949	94,865	-49.5%	0	0	0.0%	336	163	106.1%	534,511	639,948	-16.5%
CRUDE OIL CALNDR STRIP	6F	0	-	-	0	-	0	-	-	-	0	-	0	-	-	-	170	-	-
CRUDE OIL OUTRIGHTS	AH	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	WCI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	390	11,770	-96.7%
CRUDE OIL PHY	CD	0	0	0.0%	0	0	0	500	175	185.7%	0	0	0.0%	0	25	-100.0%	21,350	31,410	-32.0%
CRUDE OIL PHY	LC	0	0	0.0%	24	0	0	20,027	9,387	113.3%	0	0	0.0%	748	13	5,653.8%	148,278	258,016	-42.5%
CRUDE OIL PHY	LO	0	0	0.0%	2,722,954	1,906,795	0.43	504,074	429,056	17.5%	0	0	0.0%	36,521,704	34,304,055	6.5%	8,000,278	8,595,365	-6.9%
CRUDE OIL PHY	LO1	0	0	0.0%	19,355	4,481	3.32	0	0	0.0%	0	0	0.0%	188,460	163,490	15.3%	483	750	-35.6%
CRUDE OIL PHY	LO2	0	0	0.0%	738	7,942	-0.91	0	400	-100.0%	0	0	0.0%	179,122	157,724	13.6%	450	650	-30.8%
CRUDE OIL PHY	LO3	0	0	0.0%	25,872	7,362	2.51	0	400	-100.0%	0	0	0.0%	160,640	103,154	55.7%	325	650	-50.0%
CRUDE OIL PHY	LO4	0	0	0.0%	17,766	11,817	0.5	700	0	0.0%	0	0	0.0%	201,018	191,068	5.2%	1,050	300	250.0%
CRUDE OIL PHY	LO5	0	0	0.0%	0	8,059	-1	0	0	0.0%	0	0	0.0%	71,160	61,298	16.1%	475	250	90.0%
ELEC FINSETTLED	PML	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ELEC MISO PEAK	9T	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	820	-100.0%
ETHANOL	CE1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	275	75	266.7%
ETHANOL	CE3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	325	-53.8%
ETHANOL SWAP	CVR	0	0	0.0%	0	0	0	3,712	6,026	-38.4%	0	0	0.0%	0	0	0.0%	70,070	73,329	-4.4%
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	405	510	-20.6%	0	0	0.0%	0	0	0.0%	3,898	2,168	79.8%
EURO-DENOMINATED PETRO P	NWE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EUROPEAN JET KEROSENE N	30	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
GASOLINE	GCE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HEATING OIL CRACK OPTIONS	CH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
HEATING OIL CRK SPD AVG PR	3W	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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Commodity Indicator	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 2017	% CHG	CME ClearPort DEC 2018	CME ClearPort DEC 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
Energy Options																			
HEATING OIL PHY	LB	0	0	0.0%	0	50	-1	1,048	35	2,894.3%	0	0	0.0%	0	58	-100.0%	2,767	2,755	0.4%
HEATING OIL PHY	OH	0	0	0.0%	4,643	6,301	-0.26	32,738	31,952	2.5%	0	0	0.0%	63,035	60,212	4.7%	323,824	334,866	-3.3%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	0	4,495	6,393	-29.7%	0	0	0.0%	5	0	0.0%	52,498	47,791	9.8%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,600	1,700	52.9%
HUSTN SHIP CHNL PIPE SWP	PK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
LLS CRUDE OIL	WJO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	6,900	-98.6%
LLS CRUDE OIL	YVO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,750	-100.0%
MCCLOSKY ARA ARGS COAL	MTO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	290	1,600	-81.9%
MCCLOSKY RCH BAY COAL	MFO	0	0	0.0%	0	0	0	0	275	-100.0%	0	0	0.0%	0	0	0.0%	2,145	275	680.0%
NATURAL GAS	G10	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	450	-100.0%
NATURAL GAS 1 M CSO FIN	G4	0	0	0.0%	1,705	0	0	76,834	56,022	37.1%	0	0	0.0%	4,334	3,920	10.6%	566,475	483,096	17.3%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	0	3,400	-100.0%	0	0	0.0%	0	0	0.0%	1,430	14,950	-90.4%
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	0	13,400	-100.0%	0	0	0.0%	1	0	0.0%	44,245	159,825	-72.3%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,550	4,050	-37.0%
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	0	6,350	13,050	-51.3%	0	0	0.0%	0	0	0.0%	102,850	70,320	46.3%
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	0	2,980	2,000	49.0%	0	0	0.0%	0	0	0.0%	37,282	14,670	154.1%
NATURAL GAS PHY	KD	0	0	0.0%	0	46,563	-1	1,045	15,110	-93.1%	0	0	0.0%	123,504	182,075	-32.2%	79,130	335,415	-76.4%
NATURAL GAS PHY	LN	0	0	0.0%	1,014,717	2,219,175	-0.54	710,139	1,162,684	-38.9%	0	0	0.0%	13,996,569	14,160,898	-1.2%	8,856,335	14,142,533	-37.4%
NATURAL GAS PHY	ON	0	0	0.0%	137,110	347,648	-0.61	11,046	14,645	-24.6%	0	0	0.0%	2,216,337	2,493,181	-11.1%	166,782	93,567	78.2%
NATURAL GAS PHY	ON1	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS WINTER STRIP	6I	0	-	-	0	-	-	0	-	-	0	-	0	-	-	-	2,700	-	-
NG HH 3 MONTH CAL	IC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,556	4,030	-11.8%
NY HARBOR HEAT OIL SWP	AT	0	0	0.0%	8	3	1.67	3,672	1,509	143.3%	0	0	0.0%	610	512	19.1%	35,172	36,379	-3.3%
NYISO ZONE G 5MW PEAK OPT	9U	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	19,830	-100.0%
NYMEX EUROPEAN GASOIL AP	F7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL OP	F8	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PANHANDLE PIPE SWAP	PU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	8,640	-100.0%
PETROCHEMICALS	4H	0	0	0.0%	0	0	0	0	195	-100.0%	0	0	0.0%	23	16	43.8%	6,639	8,556	-22.4%
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	1,350	3,095	-56.4%
PETROCHEMICALS	4K	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,300	1,200	175.0%
PETROCHEMICALS	CPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	18	-100.0%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
PETRO OUTRIGHT NA	DAP	0	0	0.0%	0	0	0	240	0	0.0%	0	0	0.0%	0	0	0.0%	792	72	1,000.0%

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Energy Options																			
PJM MONTHLY	JO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	0	0	0	60	140	-57.1%	0	0	0.0%	0	0	0.0%	860	4,100	-79.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	880	0	0.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	0	0.0%	0	0	0	0	440	-100.0%	0	0	0.0%	0	0	0.0%	7,488	14,257	-47.5%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	700	6,758	-89.6%
RBOB CALENDAR SWAP	RA	0	0	0.0%	0	0	0	225	0	0.0%	0	0	0.0%	0	10	-100.0%	1,350	2,855	-52.7%
RBOB CRACK	RX	0	-	-	0	-	0	0	-	-	0	-	2	-	-	0	-	-	
RBOB PHY	OB	0	0	0.0%	2,543	4,539	-0.44	6,265	6,000	4.4%	0	0	0.0%	39,205	80,535	-51.3%	105,727	212,761	-50.3%
RBOB PHY	RF	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,149	3,240	-33.7%
SHORT TERM	C15	0	-	-	0	-	0	0	-	-	0	-	0	-	-	500	-	-	
SHORT TERM	U11	0	0	0.0%	0	230	-1	0	1,375	-100.0%	0	0	0.0%	111	260	-57.3%	1,125	7,315	-84.6%
SHORT TERM	U12	0	0	0.0%	0	86	-1	0	50	-100.0%	0	0	0.0%	100	86	16.3%	1,800	4,654	-61.3%
SHORT TERM	U13	0	0	0.0%	0	10	-1	0	1,150	-100.0%	0	0	0.0%	0	134	-100.0%	500	4,985	-90.0%
SHORT TERM	U14	0	0	0.0%	0	100	-1	0	250	-100.0%	0	0	0.0%	13	325	-96.0%	850	3,655	-76.7%
SHORT TERM	U15	0	0	0.0%	0	40	-1	0	150	-100.0%	0	0	0.0%	147	65	126.2%	650	5,350	-87.9%
SHORT TERM	U22	0	0	0.0%	0	195	-1	0	350	-100.0%	0	0	0.0%	96	220	-56.4%	1,175	3,307	-64.5%
SHORT TERM	U23	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	148	100	48.0%	750	1,572	-52.3%
SHORT TERM	U24	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	379	5	7,480.0%	500	3,220	-84.5%
SHORT TERM	U25	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	2	0	0.0%	150	940	-84.0%
SHORT TERM	U26	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	600	292	105.5%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	201	-100.0%	550	3,515	-84.4%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	98	158	-38.0%	2,700	4,100	-34.1%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	54	53	1.9%	2,225	2,220	0.2%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	393	-1	0	1,050	-100.0%	0	0	0.0%	125	393	-68.2%	1,850	2,220	-16.7%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	193	-1	0	875	-100.0%	0	0	0.0%	100	228	-56.1%	1,530	10,980	-86.1%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	28	-1	0	450	-100.0%	0	0	0.0%	50	313	-84.0%	1,450	8,835	-83.6%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	150	-1	0	25	-100.0%	0	0	0.0%	1	265	-99.6%	1,850	3,410	-45.7%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	105	-1	0	300	-100.0%	0	0	0.0%	52	267	-80.5%	1,425	5,370	-73.5%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	34	314	-89.2%	1,600	4,900	-67.3%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	277	-100.0%	1,250	5,752	-78.3%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	150	390	-61.5%	550	6,620	-91.7%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	96	43	123.3%	2,200	5,104	-56.9%

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Energy Options																			
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	168	-1	0	700	-100.0%	0	0	0.0%	22	253	-91.3%	1,600	2,312	-30.8%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	85	-1	0	700	-100.0%	0	0	0.0%	123	260	-52.7%	225	5,085	-95.6%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	125	-1	0	200	-100.0%	0	0	0.0%	25	335	-92.5%	1,400	3,995	-65.0%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	130	-1	250	300	-16.7%	0	0	0.0%	13	318	-95.9%	600	3,324	-81.9%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0	0	100	150	-33.3%	0	0	0.0%	25	0	0.0%	500	2,020	-75.2%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	3,255	-96.9%
SHORT TERM NATURAL GAS	U29	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	10	221	-95.5%	500	685	-27.0%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	675	-100.0%	100	4,070	-97.5%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0	0	450	0	0.0%	0	0	0.0%	27	50	-46.0%	450	6,200	-92.7%
SINGAPORE GASOIL CALENDAR	M2	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	BV	0	0	0.0%	1,710	14,666	-0.88	15,875	44,310	-64.2%	0	0	0.0%	150,045	69,294	116.5%	706,270	495,233	42.6%
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	0	200	-1	26,900	70,230	-61.7%	0	0	0.0%	15,050	7,900	90.5%	878,890	763,345	15.1%

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Metals Futures																			
COMEX GOLD	GC	0	0	0.0%	3,944,681	4,930,301	-0.2	187,328	256,286	-26.9%	0	0	0.0%	77,451,789	70,283,909	10.2%	2,849,801	2,517,822	13.2%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	1,663	912	0.82	5,542	4,619	20.0%	0	0	0.0%	35,596	5,654	529.6%	83,973	57,575	45.8%
NYMEX PLATINUM	PL	0	0	0.0%	480,850	548,310	-0.12	17,315	21,225	-18.4%	0	0	0.0%	5,310,653	4,699,934	13.0%	153,146	152,226	0.6%
PALLADIUM	PA	0	0	0.0%	71,523	69,953	0.02	3,365	2,937	14.6%	0	0	0.0%	1,376,227	1,335,280	3.1%	57,485	67,460	-14.8%
URANIUM	UX	0	0	0.0%	6	3	1	708	938	-24.5%	0	0	0.0%	799	432	85.0%	6,363	5,961	6.7%
COMEX SILVER	SI	0	0	0.0%	1,262,271	1,329,346	-0.05	38,349	58,754	-34.7%	0	0	0.0%	23,318,975	22,472,132	3.8%	668,076	562,851	18.7%
COMEX E-Mini GOLD	QO	0	0	0.0%	4,651	4,992	-0.07	0	0	0.0%	0	0	0.0%	96,481	92,442	4.4%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	847	814	0.04	0	0	0.0%	0	0	0.0%	13,401	9,704	38.1%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	1,384,254	2,330,870	-0.41	21,883	22,293	-1.8%	0	0	0.0%	32,393,775	26,740,515	21.1%	316,328	310,520	1.9%
COMEX MINY COPPER	QC	0	0	0.0%	262	627	-0.58	0	0	0.0%	0	0	0.0%	5,195	8,269	-37.2%	0	0	0.0%
ALUMINUM	A38	0	0	0.0%	0	0	0	40	0	0.0%	0	0	0.0%	0	0	0.0%	112	30	273.3%
ALUMINUM	AEP	0	0	0.0%	20	0	0	1,471	2,340	-37.1%	0	0	0.0%	138	78	76.9%	19,930	29,885	-33.3%
ALUMINUM	ALA	0	0	0.0%	0	0	0	0	1,260	-100.0%	0	0	0.0%	0	0	0.0%	5,755	6,685	-13.9%
ALUMINUM	ALI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	4,197	-100.0%	0	1,061	-100.0%
ALUMINUM	AUP	0	0	0.0%	415	294	0.41	3,019	9,042	-66.6%	0	0	0.0%	8,570	2,959	189.6%	90,352	82,724	9.2%
ALUMINUM	CUP	0	0	0.0%	0	54	-1	0	275	-100.0%	0	0	0.0%	25	54	-53.7%	180	275	-34.5%
ALUMINUM	EDP	0	0	0.0%	0	0	0	634	1,235	-48.7%	0	0	0.0%	122	44	177.3%	17,608	10,821	62.7%
ALUMINUM	MJP	0	0	0.0%	0	0	0	780	1,836	-57.5%	0	0	0.0%	76	260	-70.8%	13,079	17,139	-23.7%
COPPER	HGS	0	0	0.0%	0	0	0	1,031	3,945	-73.9%	0	0	0.0%	0	0	0.0%	17,294	8,988	92.4%
E-MICRO GOLD	MGC	0	0	0.0%	155,462	83,042	0.87	0	0	0.0%	0	0	0.0%	1,801,078	1,141,590	57.8%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	140	0	0	1,060	75	1,313.3%	0	0	0.0%	1,263	85	1,385.9%	18,912	1,380	1,270.4%
GOLD	GPS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	1	-100.0%	0	0	0.0%
Gold Kilo	GCK	0	0	0.0%	0	104	-1	0	0	0.0%	0	0	0.0%	136	3,665	-96.3%	0	0	0.0%
IRON ORE 62 CHINA PLATTS FL	PIO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	9,432	-100.0%
IRON ORE 62 CHINA TSI FUTUR	TIO	0	0	0.0%	2	3	-0.33	1,579	2,906	-45.7%	0	0	0.0%	174	2,843	-93.9%	43,953	87,440	-49.7%
LNDN ZINC	ZNC	0	0	0.0%	582	16	35.38	0	0	0.0%	0	0	0.0%	14,057	141	9,869.5%	0	0	0.0%
METALS	LED	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SILVER	SIL	0	0	0.0%	10,730	4,848	1.21	0	0	0.0%	0	0	0.0%	100,519	71,118	41.3%	0	0	0.0%

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Metals Options																			
COMEX COPPER	HX	0	0	0.0%	17,812	18,434	-0.03	7,725	1,695	355.8%	0	0	0.0%	257,957	100,675	156.2%	93,823	6,815	1,276.7%
COMEX GOLD	OG	0	0	0.0%	830,990	640,398	0.3	139,915	106,836	31.0%	0	0	0.0%	9,379,120	7,717,773	21.5%	2,372,135	2,174,760	9.1%
COMEX SILVER	SO	0	0	0.0%	98,597	94,237	0.05	16,140	17,748	-9.1%	0	0	0.0%	1,514,305	1,255,526	20.6%	332,882	183,404	81.5%
COPPER	H1E	0	-	-	16	-	0	-	-	0	-	-	78	-	-	100	-	-	
COPPER	H2E	0	-	-	6	-	0	-	-	0	-	-	154	-	-	0	-	-	
COPPER	H3E	0	-	-	6	-	0	-	-	0	-	-	119	-	-	0	-	-	
COPPER	H4E	0	-	-	6	-	0	-	-	0	-	-	177	-	-	0	-	-	
COPPER	H5E	0	-	-	0	-	0	-	-	0	-	-	12	-	-	0	-	-	
GOLD	OG1	0	0	0.0%	14,609	6,378	1.29	200	200	0.0%	0	0	0.0%	135,239	47,442	185.1%	2,110	1,850	14.1%
GOLD	OG2	0	0	0.0%	15,876	6,346	1.5	350	500	-30.0%	0	0	0.0%	125,254	45,987	172.4%	3,870	3,158	22.5%
GOLD	OG3	0	0	0.0%	16,237	7,433	1.18	2,525	0	0.0%	0	0	0.0%	138,274	46,953	194.5%	6,525	1,915	240.7%
GOLD	OG4	0	0	0.0%	9,622	4,910	0.96	150	0	0.0%	0	0	0.0%	86,355	27,673	212.1%	1,900	250	660.0%
GOLD	OG5	0	0	0.0%	0	5,345	-1	0	0	0.0%	0	0	0.0%	32,861	14,976	119.4%	0	0	0.0%
HOT ROLLED COIL STEEL CALL	HRO	0	0	0.0%	0	0	0	0	1,200	-100.0%	0	0	0.0%	0	0	0.0%	300	1,530	-80.4%
IRON ORE 62 CHINA TSI CALL C	ICT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	18,094	-98.9%
IRON ORE 62 CHINA TSI PUT O	ICT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,280	26,105	-95.1%
NYMEX PLATINUM	PO	0	0	0.0%	1,003	2,855	-0.65	1,550	3,450	-55.1%	0	0	0.0%	21,021	15,863	32.5%	24,351	21,006	15.9%
PALLADIUM	PAO	0	0	0.0%	545	870	-0.37	300	785	-61.8%	0	0	0.0%	15,555	14,183	9.7%	13,978	52,562	-73.4%
SILVER	SO1	0	0	0.0%	239	5	46.8	0	0	0.0%	0	0	0.0%	5,789	661	775.8%	0	25	-100.0%
SILVER	SO2	0	0	0.0%	590	45	12.11	0	0	0.0%	0	0	0.0%	5,708	262	2,078.6%	0	0	0.0%
SILVER	SO3	0	0	0.0%	1,718	22	77.09	0	0	0.0%	0	0	0.0%	8,489	629	1,249.6%	0	0	0.0%
SILVER	SO4	0	0	0.0%	567	18	30.5	0	0	0.0%	0	0	0.0%	4,486	206	2,077.7%	0	0	0.0%
SILVER	SO5	0	0	0.0%	0	49	-1	0	0	0.0%	0	0	0.0%	2,746	53	5,081.1%	0	0	0.0%
TOTAL FUTURES GROUP																			
Ag Products Futures		0	0	0.0%	1	6	-83.3%	0	0	0.0%	0	0	0.0%	85	195	-56.4%	0	0	0.0%
Energy Futures		0	0	0.0%	38,854,929	38,109,421	2.0%	2,162,660	2,721,496	-20.5%	0	0	0.0%	532,773,400	522,598,501	1.9%	32,470,890	42,332,447	-23.3%
Metals Futures		0	0	0.0%	7,318,359	9,304,489	-21.3%	284,104	389,966	-27.1%	0	0	0.0%	141,929,049	126,875,306	11.9%	4,362,347	3,930,275	11.0%
TOTAL FUTURES		0	0	0.0%	46,173,289	47,413,916	-2.6%	2,446,764	3,111,462	-21.4%	0	0	0.0%	674,702,534	649,474,002	3.9%	36,833,237	46,262,722	-20.4%

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TOTAL OPTIONS GROUP																		
Energy Options	0	0	0.0%	4,027,322	4,624,603	-12.9%	1,757,986	2,134,092	-17.6%	0	0	0.0%	55,008,744	52,597,547	4.6%	25,052,021	29,185,293	-14.2%
Metals Options	0	0	0.0%	1,008,439	787,345	28.1%	168,855	132,414	27.5%	0	0	0.0%	11,733,699	9,288,862	26.3%	2,853,454	2,491,474	14.5%
TOTAL OPTIONS	0	0	0.0%	5,035,761	5,411,948	-7.0%	1,926,841	2,266,506	-15.0%	0	0	0.0%	66,742,443	61,886,409	7.8%	27,905,475	31,676,767	-11.9%
TOTAL COMBINED																		
Ag Products	0	0	0.0%	1	6	-83.3%	0	0	0.0%	0	0	0.0%	85	195	-56.4%	0	0	0.0%
Energy	0	0	0.0%	42,882,251	42,734,024	0.3%	3,920,646	4,855,588	-19.3%	0	0	0.0%	587,782,144	575,196,048	2.2%	57,522,911	71,517,740	-19.6%
Metals	0	0	0.0%	8,326,798	10,091,834	-17.5%	452,959	522,380	-13.3%	0	0	0.0%	153,662,748	136,164,168	12.9%	7,215,801	6,421,749	12.4%
GRAND TOTAL	0	0	0.0%	51,209,050	52,825,864	-3.1%	4,373,605	5,377,968	-18.7%	0	0	0.0%	741,444,977	711,360,411	4.2%	64,738,712	77,939,489	-16.9%