

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
	Commodities and Alternative Investments																		
Futures																			
COCOA TAS	CJ	0	0	0.0%	0	182	-1	0	0	0.0%	0	0	0.0%	81	1,517	-94.7%	0	0	0.0%
COFFEE	KT	0	0	0.0%	0	6	-1	0	0	0.0%	0	0	0.0%	40	137	-70.8%	0	0	0.0%
COTTON	TT	0	0	0.0%	0	124	-1	0	0	0.0%	0	0	0.0%	15	470	-96.8%	0	0	0.0%
SUGAR 11	YO	0	0	0.0%	5	54	-0.91	0	0	0.0%	0	0	0.0%	37	378	-90.2%	0	0	0.0%
Energy Futures																			
CRUDE OIL PHY	CL	0	359	-100.0%	27,094,330	18,345,524	0.48	523,771	482,277	8.6%	0	18,159	-100.0%	170,939,823	150,385,266	13.7%	3,941,302	4,494,052	-12.3%
CRUDE OIL	WS	0	0	0.0%	0	0	0	5,704	280	1,937.1%	0	0	0.0%	204	0	0.0%	38,779	76,232	-49.1%
MINY WTI CRUDE OIL	QM	0	0	0.0%	254,223	215,615	0.18	0	0	0.0%	0	0	0.0%	1,815,186	2,045,808	-11.3%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	300	-100.0%	1,410,009	1,617,387	-0.13	24,987	16,437	52.0%	0	344	-100.0%	13,629,912	14,084,432	-3.2%	149,626	133,316	12.2%
HEATING OIL PHY	HO	0	17	-100.0%	3,405,108	2,827,583	0.2	195,979	169,376	15.7%	0	703	-100.0%	22,666,226	20,755,993	9.2%	1,688,900	1,475,409	14.5%
HTG OIL	BH	0	36	-100.0%	0	0	0	36	20	80.0%	0	36	-100.0%	84	0	0.0%	84	5,222	-98.4%
MINY HTG OIL	QH	0	0	0.0%	4	21	-0.81	0	0	0.0%	0	0	0.0%	18	72	-75.0%	0	0	0.0%
RBOB PHY	RB	0	39	-100.0%	3,766,073	3,166,827	0.19	299,695	172,952	73.3%	0	460	-100.0%	27,073,209	24,333,643	11.3%	2,074,538	1,230,484	68.6%
MINY RBOB GAS	QU	0	0	0.0%	3	3	0	0	0	0.0%	0	0	0.0%	31	27	14.8%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	33,126	24,445	0.36	86,340	123,596	-30.1%	0	800	-100.0%	255,475	94,521	170.3%	814,410	770,929	5.6%
LTD NAT GAS	HH	0	0	0.0%	118,378	43,613	1.71	136,462	132,717	2.8%	0	0	0.0%	834,426	496,831	67.9%	1,239,470	1,106,437	12.0%
MINY NATURAL GAS	QG	0	0	0.0%	16,566	24,762	-0.33	0	0	0.0%	0	0	0.0%	184,590	174,111	6.0%	0	0	0.0%
PJM MONTHLY	JM	0	0	0.0%	0	0	0	0	40	-100.0%	0	0	0.0%	0	0	0.0%	120	2,898	-95.9%
NATURAL GAS PHY	NG	0	28	-100.0%	7,302,983	6,571,658	0.11	212,300	197,155	7.7%	0	1,511	-100.0%	58,613,942	50,691,969	15.6%	2,029,328	1,507,759	34.6%
RBOB GAS	RT	0	0	0.0%	0	0	0	5,182	1,526	239.6%	0	0	0.0%	0	0	0.0%	15,952	8,901	79.2%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	5	121	-95.9%	0	0	0.0%	0	0	0.0%	877	1,751	-49.9%
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%	170	165	3.0%
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	240	-100.0%	0	0	0.0%	0	0	0.0%	0	240	-100.0%
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	1,580	-100.0%	0	0	0.0%	0	0	0.0%	0	5,740	-100.0%
ALGONQUIN CITYGATES BASIS	B4	0	0	0.0%	0	0	0	0	1,588	-100.0%	0	0	0.0%	0	0	0.0%	0	5,417	-100.0%
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	248	-100.0%	0	0	0.0%	0	0	0.0%	0	3,539	-100.0%
APPALACHIAN COAL (PHY)	QL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	130	-100.0%

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Energy Futures																			
ARGUS LLS VS. WTI (ARG) T	E5	0	0	0.0%	0	0	0	6,155	14,270	-56.9%	0	0	0.0%	60	0	0.0%	42,670	97,655	-56.3%
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	3,541	1,671	111.9%	0	0	0.0%	0	0	0.0%	13,095	10,993	19.1%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	837	719	16.4%	0	0	0.0%	0	0	0.0%	6,594	6,908	-4.5%
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0	0	0	131	-100.0%	0	0	0.0%	0	0	0.0%	993	2,873	-65.4%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0	0	190	40	375.0%	0	0	0.0%	0	0	0.0%	478	810	-41.0%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	3,959	2,919	35.6%	0	0	0.0%	0	0	0.0%	16,920	16,917	0.0%
BRENT CFD SWAP	6W	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	835	260	221.2%	0	0	0.0%	0	0	0.0%	41,011	2,087	1,865.1%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,424	-100.0%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0	0	80	105	-23.8%	0	0	0.0%	0	0	0.0%	200	413	-51.6%
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	7,940	-	-
CAISO SP15 EZGNHUB5 PEAK	9Z	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
CANADIAN LIGHT SWEET OIL	CIL	0	0	0.0%	0	0	0	15	90	-83.3%	0	0	0.0%	0	0	0.0%	6,999	13,185	-46.9%
CENTERPOINT BASIS SWAP	PW	0	0	0.0%	0	0	0	0	906	-100.0%	0	0	0.0%	0	0	0.0%	534	9,950	-94.6%
CENTERPOINT EAST INDEX	II	0	0	0.0%	0	0	0	0	740	-100.0%	0	0	0.0%	0	0	0.0%	0	740	-100.0%
CENTER POINT NAT GAS FIXED	DAC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	136	1,790	-0.92	72,458	95,965	-24.5%	0	0	0.0%	1,525	9,165	-83.4%	793,776	665,456	19.3%
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	99	460	-78.5%	0	0	0.0%	0	0	0.0%	981	1,837	-46.6%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,600	-100.0%
CIG BASIS	CI	0	0	0.0%	0	0	0	540	5,386	-90.0%	0	0	0.0%	0	0	0.0%	726	53,823	-98.7%
CIG ROCKIES NG INDEX SWA	Z8	0	0	0.0%	0	0	0	0	124	-100.0%	0	0	0.0%	0	0	0.0%	720	1,054	-31.7%
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	60	-100.0%
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	80,000	112,640	-29.0%	0	0	0.0%	0	0	0.0%	262,680	275,560	-4.7%
CIN HUB 5MW D AH PK	H5	0	0	0.0%	0	0	0	855	1,566	-45.4%	0	0	0.0%	0	0	0.0%	13,668	18,414	-25.8%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0	0	104,240	168,360	-38.1%	0	0	0.0%	0	0	0.0%	381,000	966,584	-60.6%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	0	0	2,205	4,350	-49.3%	0	0	0.0%	0	0	0.0%	24,975	60,456	-58.7%
COAL SWAP	ACM	0	0	0.0%	0	0	0	25	60	-58.3%	0	0	0.0%	0	0	0.0%	1,180	1,730	-31.8%
COAL SWAP	SSI	0	0	0.0%	0	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	0	157	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	0.0%	0	0	0	999	790	26.5%	0	0	0.0%	0	0	0.0%	999	14,968	-93.3%
COLUMBIA GULF MAIN NAT G	L2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,208	-100.0%

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Energy Futures																			
COLUMBIA GULF NAT GAS FIXE	DCE	-	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	1,332	0	0.0%	0	0	0.0%	0	0	0.0%	1,332	3,108	-57.1%
CONWAY NATURAL GASOLINE	8L	0	0	0.0%	0	0	0	242	93	160.2%	0	0	0.0%	0	0	0.0%	1,789	1,278	40.0%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	339	30	1,030.0%	0	0	0.0%	0	0	0.0%	5,263	444	1,085.4%
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	0	0	0	10,865	6,048	79.6%	0	0	0.0%	39	0	0.0%	61,250	40,515	51.2%
CRUDE OIL	CHB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
CRUDE OIL	LPS	0	0	0.0%	0	0	0	5,870	4,700	24.9%	0	0	0.0%	1	0	0.0%	27,400	36,062	-24.0%
CRUDE OIL OUTRIGHTS	37	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	42	0	0	0.0%	0	0	0	86	180	-52.2%	0	0	0.0%	0	0	0.0%	3,841	623	516.5%
CRUDE OIL OUTRIGHTS	CC5	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	600	-	-
CRUDE OIL OUTRIGHTS	CSN	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	30	-	-
CRUDE OIL OUTRIGHTS	CSW	0	-	-	0	-	0	420	-	-	0	-	0	-	-	0	1,900	-	-
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	1,050	450	133.3%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0	0	230	0	0.0%	0	0	0.0%	0	0	0.0%	330	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	110	30	266.7%
CRUDE OIL OUTRIGHTS	HTT	0	0	0.0%	0	0	0	5,740	5,250	9.3%	0	0	0.0%	0	0	0.0%	63,175	9,312	578.4%
CRUDE OIL OUTRIGHTS	LSW	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	240	-	-
CRUDE OIL OUTRIGHTS	SSW	0	-	-	0	-	0	360	-	-	0	-	0	-	-	0	705	-	-
CRUDE OIL OUTRIGHTS	WCC	0	0	0.0%	0	0	0	615	1,180	-47.9%	0	0	0.0%	0	0	0.0%	24,737	33,539	-26.2%
CRUDE OIL OUTRIGHTS	WCW	0	-	-	0	-	0	10,695	-	-	0	-	0	-	-	0	29,710	-	-
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 SPRDS	38	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	325	-100.0%
CRUDE OIL SPRDS	WTT	0	0	0.0%	0	0	0	1,300	6,435	-79.8%	0	0	0.0%	50	0	0.0%	34,089	15,642	117.9%
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%
DAILY PJM	PEO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PNO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PNP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PWO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PWP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	WOR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,720	-100.0%

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DAILY PJM	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	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%	1,400	0	0.0%	
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0	0	2,580	1,550	66.5%	0	0	0.0%	0	0	0.0%	9,600	11,260	-14.7%
DEMARC INDEX FUTURE	DI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	800	-100.0%	
DEMARC SWING SWAP	DT	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%	0	10	-100.0%	
DIESEL 10PPM BARGES FOB B	U7	0	-	-	0	-	3	-	-	0	-	-	0	-	-	3	-	-	
DIESEL10PPM BARG VS ICE LS	LSE	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
DLY GAS EURO-BOB OXY	GBR	0	0	0.0%	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%	
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	17,107	-100.0%	
DOMINION TRANSMISSION INC	PG	0	0	0.0%	0	152	-1	6,081	8,672	-29.9%	0	0	0.0%	0	243	-100.0%	48,516	132,390	-63.4%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0	0	275	-100.0%	0	0	0.0%	0	0	0.0%	0	275	-100.0%	
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0	0	5,460	2,875	89.9%	0	0	0.0%	0	0.0%	66,799	9,480	604.6%	
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%	1,500	0	0.0%	
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0	0	1,310	-100.0%	0	0	0.0%	0	0	0.0%	4,215	8,877	-52.5%	
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	10	75	-86.7%	0	0	0.0%	0	0.0%	1,255	186	574.7%	
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	0	674	1,192	-43.5%	0	0	0.0%	0	0.0%	6,118	8,092	-24.4%	
ELEC ERCOT DLY OFF PK	R4	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	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	0.0%	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	0.0%	0	0	0.0%	
ELEC ERCOT OFF PEAK	O1	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0.0%	-	0	0.0%	
ELEC FINSETTLED	47	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,270	-100.0%	
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%	3,825	0	0.0%	
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%	70,200	0	0.0%	
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	-	690	-	-	0	-	-	0	-	-	690	-	-	
ELECTRICITY OFF PEAK	46	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	23,480	-100.0%	
ELECTRICITY OFF PEAK	4P	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	50	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 JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG
Energy Futures																		
ELEC WEST POWER OFF-PEAK	MDA	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-
ELEC WEST POWER PEAK	MDC	0	-	-	0	-	0	-	-	0	-	-	0	-	-	1,540	-	-
EL PASO PERMIAN INDEX SWA EMISSIONS	IL	0	0	0.0%	0	0	0	620	-100.0%	0	0	0.0%	0	0	0.0%	0	1,612	-100.0%
ERCOT DAILY 5MW PEAK	CPL	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ERCOT HOUSTON Z MCPE 5M	ERW	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-
ERCOT NORTH ZMCPE 5MW OF	I1	0	-	-	0	-	0	-	-	0	-	-	0	-	-	1,680	-	-
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	0	0.0%	0	0	0.0%	0	0	0.0%	14,720	4,280	243.9%
ERCOT NORTH ZMCPE 5MW PE	I5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,510	235	968.1%
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	0	3,372	140.7%	0	0	0.0%	0	0	0.0%	27,525	14,973	83.8%
EU LOW SULPHUR GASOIL CR	LSC	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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%	18	210	-91.4%
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	0	141	-22.5%	0	0	0.0%	0	0	0.0%	3,391	2,121	59.9%
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0	0	680	330	106.1%	0	0	0.0%	0	0.0%	3,963	3,966	-0.1%
EURO-DENOMINATED PETRO P	IBE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	0	0.0%	-	0	0.0%
EURO-DENOMINATED PETRO P	NCP	0	0	0.0%	0	0	0	0	88	-100.0%	0	0	0.0%	0	0.0%	1,340	158	748.1%
EURO GASOIL 10 CAL SWAP	GT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%
EURO GASOIL 10PPM VS ICE	ET	0	0	0.0%	0	0	0	75	-100.0%	0	0	0.0%	0	0	0.0%	278	450	-38.2%
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0	0	565	-100.0%	0	0	0.0%	0	0	0.0%	663	1,342	-50.6%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0	0	10	10	0.0%	0	0.0%	0	0	0.0%	36	124	-71.0%
EUROPE 3.5% FUEL OIL MED	UI	0	0	0.0%	0	0	0	5	247	-98.0%	0	0.0%	0	0	0.0%	1,164	2,519	-53.8%
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	0	3,379	5,762	-41.4%	0	0.0%	0	0	0.0%	57,518	45,991	25.1%
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	3,401	11,509	-0.7	0	0	0.0%	0	0.0%	23,621	1,453,810	-98.4%	0	77,400	-100.0%
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	0	260	133	95.5%	0	0.0%	0	0	0.0%	2,739	1,031	165.7%
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	0	7,013	4,627	51.6%	0	0.0%	0	0	0.0%	50,830	31,825	59.7%
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0	0	1,400	3,100	-54.8%	0	0.0%	0	0	0.0%	1,816	25,958	-93.0%
EUROPE JET KERO NWE CALS	UJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0.0%	0	0	0.0%	60	38	57.9%
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	0	3,380	2,004	68.7%	0	0.0%	0	0	0.0%	19,958	9,368	113.0%
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	0	810	1,239	-34.6%	0	0.0%	0	0	0.0%	7,963	8,405	-5.3%
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	0.0%	0	0	0	0	0	0.0%	0	0.0%	0	0	0.0%	0	8,310	-100.0%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	0	0	789	-100.0%	0	0	0.0%	0	0	0.0%	0	2,097	-100.0%
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	0	180	24	650.0%	0	0.0%	0	0	0.0%	881	1,468	-40.0%
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	0	1,527	5,217	-70.7%	0	0.0%	0	0	0.0%	31,586	28,762	9.8%
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	32	-100.0%

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Energy Futures																			
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	0	0	0	930	-100.0%	0	0	0.0%	0	0	0.0%	0	1,091	-100.0%
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%	0	54	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	0	295	187	57.8%	0	0	0.0%	0	0	0.0%	2,386	2,729	-12.6%
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	5,446	4,784	13.8%	0	0	0.0%	0	0	0.0%	50,137	50,275	-0.3%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	14,159	11,803	20.0%	0	0	0.0%	0	0	0.0%	132,432	99,916	32.5%
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	0.0%	0	6	-100.0%
GASOIL 0.1 CARGOES CIF NE	TW	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL 0.1 CIF MED BALMO	X6	-	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	75	-100.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0	0	0	40	-100.0%	0	0	0.0%	0	0	0.0%	50	120	-58.3%
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%	20	5	300.0%
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	0.0%	0	5	-100.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	150	60	150.0%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	80	0	0.0%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	0	0	25	0	0.0%	0	0	0.0%	0	0	0.0%	25	10	150.0%
GASOIL 10PPM CARGOES CIF	TY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	0	72	60	20.0%	0	0	0.0%	0	0	0.0%	532	488	9.0%
GASOIL BULLET SWAP	BG	0	-	-	0	-	0	-	-	-	0	-	-	-	-	-	30	-	-
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	0	0	46	-100.0%	0	0	0.0%	0	0	0.0%	241	290	-16.9%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	5,308	7,971	-33.4%	0	0	0.0%	0	0	0.0%	55,883	36,632	52.6%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	0	23	141	-83.7%	0	0	0.0%	0	0	0.0%	1,003	1,838	-45.4%
GASOLINE UP-DOWN BALMO S	1K	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	810	-100.0%
GC ULSD VS GC JET SPREAD	VV	-	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	125	0	0.0%	0	0	0.0%	0	0	0.0%	125	0	0.0%
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	0	5,461	3,780	44.5%	0	0	0.0%	0	0	0.0%	21,210	17,343	22.3%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	0	425	1,650	-74.2%	0	0	0.0%	0	0	0.0%	3,654	9,515	-61.6%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	0	915	262	249.2%	0	0	0.0%	0	0	0.0%	9,111	5,297	72.0%
GULF COAST GASOLINE CLND	GS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,300	-100.0%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	355	192	84.9%	0	0	0.0%	0	0	0.0%	901	1,133	-20.5%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	34,721	29,266	18.6%	0	0	0.0%	0	0	0.0%	302,818	227,475	33.1%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	0	40,385	59,472	-32.1%	0	0	0.0%	0	0	0.0%	375,106	403,729	-7.1%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	495	300	65.0%	0	0	0.0%	0	0	0.0%	9,915	5,434	82.5%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	532	1,232	-56.8%	0	0	0.0%	0	3	-100.0%	4,000	6,199	-35.5%

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Energy Futures																			
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	1,700	75	2,166.7%	0	0	0.0%	0	0	0.0%	3,870	6,006	-35.6%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	100	25	300.0%	0	0	0.0%	0	0	0.0%	830	320	159.4%
HEATING OIL CRCK SPRD BAL	1H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
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%
HEATING OIL VS ICE GASOIL	HA	-	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	2,720	16,538	-83.6%	0	0	0.0%	2,996	31	9,564.5%	48,024	155,386	-69.1%
HENRY HUB FINANCIAL LAST	NBP	0	-	-	59	-	0	-	-	0	-	-	59	-	-	0	-	-	
HENRY HUB FINANCIAL LAST	TTE	0	-	-	92	-	0	-	-	0	-	-	92	-	-	0	-	-	
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	2,108	15,594	-86.5%	0	0	0.0%	2,996	0	0.0%	45,834	146,955	-68.8%
HENRY HUB SWAP	NN	0	0	0.0%	244	153,919	-1	245,871	103,261	138.1%	0	1,472	-100.0%	59,903	1,342,408	-95.5%	1,140,074	1,727,504	-34.0%
HENRY HUB SWING FUTURE	SN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	290	-100.0%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	243	-1	1,713	1,617	5.9%	0	0	0.0%	0	243	-100.0%	3,777	24,425	-84.5%
HOUSTON SHIP CHANNEL INDE	IP	0	0	0.0%	0	0	0	0	186	-100.0%	0	0	0.0%	0	0	0.0%	0	186	-100.0%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	0.0%	0	0	0	719	0	0.0%	0	0	0.0%	0	0	0.0%	719	0	0.0%
ICE BRENT DUBAI SWAP	DB	0	0	0.0%	0	0	0	400	0	0.0%	0	0	0.0%	0	0	0.0%	69,463	10	694,530.0%
ICE GASOIL BALMO SWAP	U9	0	-	-	0	-	0	9	-	0	-	-	0	-	-	0	9	-	
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	0	0	0	350	-100.0%	0	0	0.0%	0	225	-100.0%	2,850	25,976	-89.0%
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	FDM	-	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	112	-100.0%
INDIANA MISO	PDM	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	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	0.0%	0	0	0.0%
INDONESIAN COAL	MCC	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	5	170	-97.1%
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	0.0%
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	20	-50.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	0	72	513	-86.0%	0	0	0.0%	0	0	0.0%	3,885	2,766	40.5%
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	0	894	1,055	-15.3%	0	0	0.0%	0	0	0.0%	11,505	8,226	39.9%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	90	5	1,700.0%	0	0	0.0%	0	0	0.0%	1,314	295	345.4%
JET AV FUEL (P) CAR FM ICE G	1V	0	0	0.0%	0	0	0	0	32	-100.0%	0	0	0.0%	0	0	0.0%	12	112	-89.3%
JET BARGES VS ICE GASOIL	JR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	22	-100.0%
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	0	129	82	57.3%	0	0	0.0%	0	0	0.0%	824	698	18.1%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
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%	5	2	150.0%	
JET FUEL CRG CIF NEW VS I	6X	0	0	0.0%	0	0	42	0	0.0%	0	0	0.0%	0	0	0.0%	62	30	106.7%	
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	5,056	1,365	270.4%	0	0	0.0%	0	0	0.0%	51,172	21,587	137.1%	
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	150	190	-21.1%	0	0	0.0%	0	0	0.0%	1,220	5,082	-76.0%	
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	325	-100.0%	0	0	0.0%	0	0	0.0%	1,550	5,575	-72.2%	
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	25	775	-96.8%	
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	1,035	1,625	-36.3%	0	0	0.0%	0	0	0.0%	12,120	12,972	-6.6%	
LLS (ARGUS) CALENDAR SWAP	XA	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	2,438	5,808	-58.0%	0	0	0.0%	15	0	0.0%	24,988	47,963	-47.9%	
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	5,830	805	624.2%	0	0	0.0%	0	0	0.0%	21,851	33,128	-34.0%	
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	0	12,545	11,045	13.6%	0	0	0.0%	0	0	0.0%	134,129	66,704	101.1%	
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	3,450	-100.0%	0	0	0.0%	200	0	0.0%	11,028	14,964	-26.3%	
MCCLOSKEY ARA ARGS COAL	MTF	0	0	0.0%	0	0	36,344	118,648	-69.4%	0	0	0.0%	0	0	0.0%	353,243	1,306,301	-73.0%	
MCCLOSKEY RCH BAY COAL	MFF	0	0	0.0%	0	0	3,151	6,187	-49.1%	0	0	0.0%	0	0	0.0%	39,815	135,897	-70.7%	
MGF FUT	MGF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	197	100	97.0%	
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	180	75	140.0%	0	0	0.0%	0	0	0.0%	934	963	-3.0%	
MICHCON NG INDEX SWAP	Y8	0	0	0.0%	0	0	0	1,840	-100.0%	0	0	0.0%	0	0	0.0%	0	1,840	-100.0%	
MICHIGAN BASIS	NF	0	0	0.0%	0	62	0	1,783	-100.0%	0	0	0.0%	0	244	-100.0%	2,592	15,065	-82.8%	
MICHIGAN MISO	HMO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	59,040	127,640	-53.7%	
MICHIGAN MISO	HMW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,195	7,240	-55.9%	
MINI GAS EUROBOB OXY NWE	MEB	0	0	0.0%	0	0	624	351	77.8%	0	0	0.0%	0	0	0.0%	3,796	2,580	47.1%	
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	402	200	101.0%	0	0	0.0%	0	0	0.0%	2,947	896	228.9%	
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	3,372	1,014	232.5%	0	0	0.0%	0	0	0.0%	18,151	7,748	134.3%	
MJB FUT	MJB	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
MJC FUT	MJC	0	0	0.0%	0	0	35	172	-79.7%	0	0	0.0%	0	0	0.0%	705	621	13.5%	
MNC FUT	MNC	0	0	0.0%	0	0	3,817	5,934	-35.7%	0	0	0.0%	0	0	0.0%	31,079	28,263	10.0%	
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	12,293	33,599	-63.4%	0	0	0.0%	0	0	0.0%	174,101	272,898	-36.2%	
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	110	-100.0%	0	0	0.0%	0	0	0.0%	2,272	650	249.5%	
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	26	1	72,162	141,587	-49.0%	0	0	0.0%	170	48	254.2%	615,236	767,482	-19.8%	
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	1,495	875	70.9%	0	0	0.0%	0	0	0.0%	12,805	5,916	116.4%	
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	3,408	7,291	-53.3%	0	0	0.0%	0	0	0.0%	29,966	60,644	-50.6%	
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	145	82	76.8%	0	0	0.0%	0	0	0.0%	1,783	1,410	26.5%	
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	23,552	26,064	-9.6%	0	0	0.0%	0	0	0.0%	195,610	162,611	20.3%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	294	656	-55.2%	0	0	0.0%	0	0	0.0%	5,281	4,975	6.2%
NAT GAS BASIS SWAP	SGW	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NAT GAS BASIS SWAP	TZ6	0	0	0.0%	0	0	0	0	793	-100.0%	0	0	0.0%	0	0	0.0%	1,737	22,996	-92.4%
NATURAL GAS	HBI	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	-	-	-
NATURAL GAS	XIC	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	-	-	-
NATURAL GAS	XSC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS FIXED PRICE S	CFS	0	0	0.0%	0	0	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	360	0	0.0%	0	0	0.0%	0	0	0.0%	360	0	0.0%
NATURAL GAS FIXED PRICE S	MFS	0	0	0.0%	0	0	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	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	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE S	Z5P	-	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	0.0%	0	0	0.0%
NATURAL GAS INDEX	TZI	0	0	0.0%	0	0	0	0	1,712	-100.0%	0	0	0.0%	0	0	0.0%	656	6,702	-90.2%
NATURAL GAS PEN SWP	NP	0	0	0.0%	7	0	0	63,068	123,477	-48.9%	0	92	-100.0%	58	0	0.0%	632,999	783,538	-19.2%
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	11,925	-100.0%
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	635	-100.0%
NEPOOL INTR HUB 5MW D AH	H2	0	0	0.0%	0	0	0	0	37,440	-100.0%	0	0	0.0%	0	0	0.0%	221,100	164,637	34.3%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0	0	690	2,040	-66.2%	0	0	0.0%	0	0	0.0%	15,670	15,708	-0.2%
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	0	0.0%
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	640	-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	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	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	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	0.0%	0	0	0.0%
NEPOOL W CNT MASS 5MW D AH	L9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,000	-100.0%
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	1,685	-100.0%
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	0.0%
NEW YORK ETHANOL SWAP	EZ	0	0	0.0%	0	0	0	900	750	20.0%	0	0	0.0%	0	0	0.0%	4,610	11,300	-59.2%
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	0.0%
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	0.0%
NGPL MID-CONTINENT	NL	0	0	0.0%	0	0	0	1,200	3,393	-64.6%	0	0	0.0%	0	0	0.0%	2,344	25,369	-90.8%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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Energy Futures																			
NGPL MIDCONTINENT INDEX	IW	0	0	0.0%	0	0	0	620	-100.0%	0	0	0.0%	0	0	0.0%	0	7,227	-100.0%	
NGPL MIDCONTINENT SWING S	PX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	620	-100.0%	
NGPL TEX/OK	PD	0	0	0.0%	0	0	0	3,088	180.7%	0	0	0.0%	0	0	0.0%	5,856	22,624	-74.1%	
NGPL TEXOK INDEX	OI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%	
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	187	-100.0%	0	0	0.0%	0	0	0.0%	3,560	2,562	39.0%	
NORTHEN NATURAL GAS DEM	PE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,595	-100.0%	
NORTHEN NATURAL GAS VENT	PF	0	0	0.0%	0	0	0	1,235	-100.0%	0	0	0.0%	0	0	0.0%	84	7,027	-98.8%	
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	186	-1	1,738	-73.7%	0	0	0.0%	0	308	-100.0%	3,088	127,493	-97.6%	
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0	0	334	0.0%	0	0	0.0%	0	0	0.0%	334	0	0.0%	
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	0	2,754	-2.1%	0	0	0.0%	0	0	0.0%	17,141	15,997	7.2%	
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	409	-100.0%	
NY 3.0% FUEL OIL (PLATTS	H1	0	0	0.0%	0	0	0	25	-66.7%	0	0	0.0%	0	0	0.0%	3,110	1,175	164.7%	
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%	25	30	-16.7%	
NY HARBOR HEAT OIL SWP	MP	0	15	-100.0%	0	0	0	4,456	130.6%	0	39	-100.0%	3	3	0.0%	18,787	18,395	2.1%	
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	4,048	4,551	-11.1%	
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	1,341	-26.9%	0	0	0.0%	0	0	0.0%	17,886	24,478	-26.9%	
NY HARBOR RESIDUAL FUEL C	ML	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	1,670	125.1%	0	0	0.0%	0	0	0.0%	11,080	11,685	-5.2%	
NY H OIL PLATTS VS NYMEX	YH	0	0	0.0%	0	0	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	60	42.9%	0	0	0.0%	0	0	0.0%	267	114	134.2%	
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	44	-51.1%	0	0	0.0%	0	0	0.0%	1,514	1,287	17.6%	
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	180	150.0%	0	0	0.0%	0	0	0.0%	1,444	1,880	-23.2%	
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%	
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	172	-100.0%	
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	80	-100.0%	
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0	0	23,400	0.0%	0	0	0.0%	0	0	0.0%	32,760	231,440	-85.8%	
NYISO ZONE A 5MW D AH PK	K3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	6,815	640	964.8%	
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	54,290	-100.0%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
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%	110	1,512	-92.7%	
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0	0	79,560	-100.0%	0	0	0.0%	0	0	0.0%	648,480	364,160	78.1%	
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	3,240	3,060	5.9%	0	0	0.0%	0	0	0.0%	47,955	25,089	91.1%	
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%	226,600	102,952	120.1%	
NYISO ZONE J 5MW D AH PK	D3	0	0	0.0%	0	0	2,550	0	0.0%	0	0	0.0%	0	0	0.0%	22,295	7,767	187.0%	
NY JET FUEL (PLATTS) HEAT OI	1U	0	0	0.0%	0	0	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	29	236	-87.7%	0	0	0.0%	0	0	0.0%	7,720	2,944	162.2%	
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	945	-100.0%	
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	160	-100.0%	
ONTARIO POWER SWAPS	OFM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,750	-100.0%	
ONTARIO POWER SWAPS	OPD	0	0	0.0%	0	0	60	30	100.0%	0	0	0.0%	0	0	0.0%	485	245	98.0%	
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	650	440	47.7%	
PANHANDLE BASIS SWAP FUT	PH	0	0	0.0%	0	31	-1	3,012	8,212	-63.3%	0	0	0.0%	0	61	-100.0%	3,060	59,543	-94.9%
PANHANDLE INDEX SWAP FUT	IV	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,480	-100.0%	
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	864	0	0.0%	
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0	0	795	3,720	-78.6%	0	0	0.0%	0	0	0.0%	1,009	26,222	-96.2%
PETROCHEMICALS	22	0	0	0.0%	0	0	0	50	15	233.3%	0	0	0.0%	0	0	0.0%	500	369	35.5%
PETROCHEMICALS	32	0	0	0.0%	0	0	0	67	45	48.9%	0	0	0.0%	0	0	0.0%	778	381	104.2%
PETROCHEMICALS	8I	0	0	0.0%	0	0	0	406	109	272.5%	0	0	0.0%	0	0	0.0%	4,275	1,166	266.6%
PETROCHEMICALS	91	0	0	0.0%	0	0	0	203	181	12.2%	0	0	0.0%	0	0	0.0%	1,489	1,219	22.1%
PETROCHEMICALS	HPE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	48	-100.0%	
PETROCHEMICALS	LPE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETROCHEMICALS	MAC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	110	-54.5%	
PETROCHEMICALS	MAE	0	0	0.0%	0	0	0	40	90	-55.6%	0	0	0.0%	0	0	0.0%	70	355	-80.3%
PETROCHEMICALS	MAS	0	0	0.0%	0	0	0	30	65	-53.8%	0	0	0.0%	0	0	0.0%	185	910	-79.7%
PETROCHEMICALS	MBE	0	0	0.0%	0	0	0	1,900	4,115	-53.8%	0	0	0.0%	0	0	0.0%	8,725	19,435	-55.1%
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	2,279	1,924	18.5%	0	0	0.0%	0	0	0.0%	10,969	13,426	-18.3%
PETROCHEMICALS	MPS	0	-	-	0	-	-	0	-	-	0	-	0	-	-	10	-	-	
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	142	1,050	-86.5%	
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	264	64	312.5%	
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0	0	420	0	0.0%	0	0	0.0%	0	0	0.0%	1,310	0	0.0%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	260	420	-38.1%	0	0	0.0%	0	0	0.0%	1,055	913	15.6%

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Commodity Indicator	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	1,937	963	101.1%	0	0	0.0%	0	0	0.0%	18,180	9,711	87.2%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	0	1,825	-100.0%	0	0	0.0%	0	0	0.0%	5,703	6,100	-6.5%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	985	30	3,183.3%	0	0	0.0%	0	0	0.0%	5,670	1,160	388.8%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	800	1,425	-43.9%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	752	2,397	-68.6%	0	0	0.0%	0	0	0.0%	8,987	6,534	37.5%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	0	21	-100.0%	0	0	0.0%	0	0	0.0%	42	56	-25.0%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	2,919	6,243	-53.2%	0	0	0.0%	0	0	0.0%	44,303	52,336	-15.3%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	0	104	-100.0%	0	0	0.0%	0	0	0.0%	535	104	414.4%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	7,770	4,135	87.9%	0	0	0.0%	0	0	0.0%	24,749	29,582	-16.3%
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	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	109	520	-79.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	0	0	0.0%	1,125	175	542.9%
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	300	-100.0%
PETRO CRCKS & SPRDS NA	RBB	0	0	0.0%	0	0	0	6,860	9,181	-25.3%	0	0	0.0%	0	0	0.0%	61,132	65,965	-7.3%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	15,645	8,060	94.1%	0	0	0.0%	0	0	0.0%	109,127	50,370	116.7%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	34	-55.9%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	1,297	1,272	2.0%	0	0	0.0%	0	0	0.0%	9,340	11,918	-21.6%
PETRO CRK&SPRD EURO	1ND	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	0	224	45	397.8%	0	0	0.0%	0	0	0.0%	1,743	976	78.6%
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	0.0%
PETRO CRK&SPRD EURO	BOB	0	0	0.0%	0	0	0	1,113	1,188	-6.3%	0	0	0.0%	0	0	0.0%	15,079	14,036	7.4%
PETRO CRK&SPRD EURO	EGN	0	-	-	0	-	0	18	-	-	0	-	0	-	-	0.0%	18	-	-
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	0	11	0	0.0%	0	0	0.0%	0	0	0.0%	90	91	-1.1%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	348	122	185.2%	0	0	0.0%	0	0	0.0%	2,753	1,560	76.5%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	1,368	1,030	32.8%	0	0	0.0%	0	0	0.0%	18,774	9,979	88.1%
PETRO CRK&SPRD EURO	FBT	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	0	460	-100.0%
PETRO CRK&SPRD EURO	FVB	0	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	GCB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	739	760	-2.8%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	25	0	0.0%	0	0	0.0%	0	0	0.0%	90	69	30.4%
PETRO CRK&SPRD EURO	LSU	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	70	0	0.0%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	0	0	116	-100.0%	0	0	0.0%	0	0	0.0%	719	744	-3.4%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	5	23	-78.3%	0	0	0.0%	0	0	0.0%	114	123	-7.3%

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	0	804	827	-2.8%	0	0	0.0%	0	0	0.0%	7,130	2,819	152.9%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	155	105	47.6%
PETRO CRK&SPRD EURO	SFC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	D44	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	D45	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	D46	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
PETROLEUM PRODUCTS	D64	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	D65	-	0	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	0.0%
PETROLEUM PRODUCTS	EWG	0	0	0.0%	0	0	0	934	1,524	-38.7%	0	0	0.0%	0	0	0.0%	17,658	2,074	751.4%
PETROLEUM PRODUCTS	MBS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	80	531	-84.9%
PETROLEUM PRODUCTS	MGS	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	20	-	-
PETROLEUM PRODUCTS	MHE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
PETROLEUM PRODUCTS	MME	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	20	-	-
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	1,363	-92.7%
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	0	233	780	-70.1%	0	0	0.0%	0	0	0.0%	1,644	1,959	-16.1%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	30	0	0.0%	0	0	0.0%	0	0	0.0%	152	427	-64.4%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	0	2,524	1,780	41.8%	0	0	0.0%	0	0	0.0%	14,707	9,115	61.3%
PETROLEUM PRODUCTS ASIA	MSB	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	25	-	-
PETRO OUTRIGHT EURO	0A	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	0B	0	0	0.0%	0	0	0	20	420	-95.2%	0	0	0.0%	0	0	0.0%	83	1,250	-93.4%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	106	-100.0%
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	0	2,357	2,271	3.8%	0	0	0.0%	0	0	0.0%	17,649	29,626	-40.4%
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	0	395	728	-45.7%	0	0	0.0%	0	0	0.0%	3,825	5,878	-34.9%
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	0	949	1,251	-24.1%	0	0	0.0%	0	0	0.0%	8,800	8,002	10.0%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	20	200.0%
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	80	219	-63.5%
PETRO OUTRIGHT EURO	5L	0	0	0.0%	0	0	0	0	597	-100.0%	0	0	0.0%	0	0	0.0%	491	1,477	-66.8%
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	35	130	-73.1%	0	0	0.0%	0	0	0.0%	497	877	-43.3%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	0	0.0%
PETRO OUTRIGHT EURO	7I	0	0	0.0%	0	0	0	245	506	-51.6%	0	0	0.0%	0	0	0.0%	875	1,273	-31.3%
PETRO OUTRIGHT EURO	7P	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	0	311	401	-22.4%	0	0	0.0%	0	0	0.0%	1,851	1,910	-3.1%
PETRO OUTRIGHT EURO	88	0	0	0.0%	0	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	5	55	-90.9%

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Commodity Indicator	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PETRO OUTRIGHT EURO	CBB	0	-	-	0	-	0	-	-	0	-	-	0	-	-	42	-	-	
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6	-100.0%	
PETRO OUTRIGHT EURO	CPB	0	0	0.0%	0	0	0	44	15	193.3%	0	0	0.0%	0	0	0.0%	2,039	304	570.7%
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	280	361	-22.4%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0	0	102	525	-80.6%	0	0	0.0%	0	0	0.0%	428	615	-30.4%
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	0	0	0	40	405	-90.1%	0	0	0.0%	0	0	0.0%	130	998	-87.0%
PETRO OUTRIGHT EURO	ESB	0	-	-	0	-	63	-	-	0	-	-	0	-	-	69	-	-	
PETRO OUTRIGHT EURO	EWN	0	0	0.0%	0	0	0	604	300	101.3%	0	0	0.0%	0	0	0.0%	5,092	1,240	310.6%
PETRO OUTRIGHT EURO	FBD	0	0	0.0%	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	20	20	0.0%	
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	480	84	471.4%
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	0	1,730	1,465	18.1%	0	0	0.0%	0	0	0.0%	7,277	9,527	-23.6%
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	40	40	0.0%
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	0	0	54	0	0.0%	0	0	0.0%	0	0	0.0%	164	368	-55.4%
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	0	0	0	400	-100.0%	0	0	0.0%	0	0	0.0%	375	490	-23.5%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	0	0.0%
PETRO OUTRIGHT EURO	W0	0	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	X0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	Y0	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	FCB	0	0	0.0%	0	0	0	496	19	2,510.5%	0	0	0.0%	0	0	0.0%	1,350	966	39.8%
PETRO OUTRIGHT NA	FOB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	3	1,566.7%
PETRO OUTRIGHT NA	GBA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	8	-100.0%
PETRO OUTRIGHT NA	GUD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	13	-100.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	420	439	-4.3%
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	0	2,440	3,700	-34.1%	0	0	0.0%	0	0	0.0%	26,039	14,590	78.5%
PETRO OUTRIGHT NA	JTB	0	-	-	0	-	650	-	-	0	-	-	0	-	-	950	-	-	
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	161	168	-4.2%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	0	305	861	-64.6%	0	0	0.0%	0	0	0.0%	4,369	4,870	-10.3%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	0	7,353	10,500	-30.0%	0	0	0.0%	0	0	0.0%	71,345	70,379	1.4%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	13	313	-95.8%	0	0	0.0%	0	0	0.0%	203	793	-74.4%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	426	1,063	-59.9%
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	525.0%
PETRO OUTRIGHT NA	XER	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	0	9,344	65,472	-85.7%	0	0	0.0%	0	0	0.0%	273,469	1,014,512	-73.0%

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Commodity Indicator	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PJM AD HUB 5MW REAL TIME	Z9	0	0.0%	0	0	0	511	9,056	-94.4%	0	0	0.0%	0	0	0.0%	19,441	80,849	-76.0%	
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%	46,800	0	0.0%	
PJM ATSI ELEC	MPD	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,550	0	0.0%	
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	23,400	-100.0%	
PJM BGE DA PEAK	E3	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,275	-100.0%	
PJM COMED 5MW D AH O PK	D9	0	0.0%	0	0	0	0	23,480	-100.0%	0	0	0.0%	0	0	0.0%	85,390	210,680	-59.5%	
PJM COMED 5MW D AH PK	D8	0	0.0%	0	0	0	0	1,270	-100.0%	0	0	0.0%	0	0	0.0%	4,675	11,470	-59.2%	
PJM DAILY	JD	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,300	-100.0%	
PJM DAYTON DA OFF-PEAK	R7	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	211,995	21,305	895.0%	
PJM DAYTON DA PEAK	D7	0	0.0%	0	0	0	0	6,350	-100.0%	0	0	0.0%	0	0	0.0%	5,250	14,755	-64.4%	
PJM DUQUESNE 5MW D AH PK	D5	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PJM DUQUS 5MW D AH O PK	D6	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
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	1,905	0	0.0%	0	0	0.0%	0	0	0.0%	77,840	41,968	85.5%	
PJM NI HUB 5MW REAL TIME	B6	0	0.0%	0	0	0	32,760	49,415	-33.7%	0	0	0.0%	0	0	0.0%	1,664,500	989,372	68.2%	
PJM NILL DA OFF-PEAK	L3	0	0.0%	0	0	0	23,400	28,617	-18.2%	0	0	0.0%	0	0	0.0%	685,367	527,055	30.0%	
PJM NILL DA PEAK	N3	0	0.0%	0	0	0	1,275	1,375	-7.3%	0	0	0.0%	0	0	0.0%	39,026	25,217	54.8%	
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	140	-100.0%	
PJM PECO ZONE5MW PEAK CA	4N	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PJM PEP CO DA OFF-PEAK	Q8	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	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%	0	163,800	-100.0%	
PJM PSEG DA PEAK	L6	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,100	-100.0%	
PJM WES HUB PEAK LMP 50 M	4S	0	0.0%	0	0	0	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	375,680	-100.0%	0	0	0.0%	0	0	0.0%	7,500	825,010	-99.1%	
PJM WESTH DA PEAK	J4	0	0.0%	0	0	0	0	20,320	-100.0%	0	0	0.0%	0	0	0.0%	6,070	42,598	-85.8%	
PJM WESTH RT OFF-PEAK	N9	0	0.0%	0	0	0	56,840	962,311	-94.1%	0	0	0.0%	0	0	0.0%	1,846,225	5,428,596	-66.0%	
PJM WESTH RT PEAK	L1	0	0.0%	0	0	0	15,947	59,808	-73.3%	0	0	0.0%	0	0	0.0%	178,376	449,328	-60.3%	

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Commodity Indicator	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PLASTICS	PGP	0	0	0.0%	0	0	0	437	20	2,085.0%	0	0	0.0%	0	0	0.0%	3,815	2,131	79.0%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	32	294	-89.1%	0	0	0.0%	0	0	0.0%	408	2,155	-81.1%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	32	17	88.2%	0	0	0.0%	0	0	0.0%	152	278	-45.3%
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%	7	2	250.0%
PREM UNL GAS 10PPM RDAM F	7L	0	0	0.0%	0	0	0	0	55	-100.0%	0	0	0.0%	0	0	0.0%	37	243	-84.8%
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	100	225	-55.6%	0	0	0.0%	0	0	0.0%	3,907	2,502	56.2%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	2,363	11,648	-79.7%	0	0	0.0%	0	0	0.0%	49,813	70,868	-29.7%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	7,325	7,572	-3.3%	0	0	0.0%	5	0	0.0%	48,705	41,804	16.5%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	485	50	870.0%	0	0	0.0%	0	0	0.0%	2,564	10,295	-75.1%
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	25	-100.0%
RBOB GASOLINE BALMO CLND	1D	0	0	0.0%	0	0	0	785	943	-16.8%	0	0	0.0%	0	0	0.0%	5,521	4,563	21.0%
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	-	-
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	0.0%	0	9,203	-100.0%
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	0	0	0	2,380	2,280	4.4%	0	0	0.0%	0	0	0.0%	14,850	11,227	32.3%
ROCKIES KERN OPAL - NW IN	IR	0	0	0.0%	0	0	0	0	310	-100.0%	0	0	0.0%	0	0	0.0%	0	1,046	-100.0%
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0	0	2,040	4,722	-56.8%	0	0	0.0%	0	0	0.0%	2,254	45,301	-95.0%
SAN JUAN PIPE SWAP	XX	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	0	50	15	233.3%	0	0	0.0%	0	0	0.0%	422	382	10.5%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	146	135	8.1%	0	0	0.0%	0	0	0.0%	1,390	1,008	37.9%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	6,317	9,308	-32.1%	0	0	0.0%	0	0	0.0%	75,963	45,503	66.9%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	963	1,079	-10.8%	0	0	0.0%	0	0	0.0%	7,955	8,635	-7.9%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	763	576	32.5%	0	0	0.0%	0	0	0.0%	5,609	3,849	45.7%
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	270	166	62.7%	0	0	0.0%	0	0	0.0%	1,073	1,681	-36.2%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	4,294	3,444	24.7%	0	0	0.0%	0	0	0.0%	33,037	24,178	36.6%
SINGAPORE GASOIL	STL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	800	180	344.4%
SINGAPORE GASOIL CALEND	MSG	0	0	0.0%	0	0	0	163	0	0.0%	0	0	0.0%	0	0	0.0%	2,111	347	508.4%
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	0	0	9,669	6,562	47.3%	0	0	0.0%	36	0	0.0%	71,566	29,352	143.8%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	3,455	2,508	37.8%	0	0	0.0%	0	0	0.0%	61,369	13,008	371.8%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	536	56	857.1%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	1,565	1,745	-10.3%	0	0	0.0%	0	0	0.0%	15,095	5,050	198.9%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	3,295	1,130	191.6%	0	0	0.0%	0	0	0.0%	10,244	3,720	175.4%

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Commodity Indicator	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG
Energy Futures																		
SINGAPORE JET KERO VS. GAS	Z0	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	57	0.0%	0	0	0.0%	0	0	0.0%	1,240	2,818	-56.0%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	0	6,378	9.9%	0	0	0.0%	5	0	0.0%	55,795	46,422	20.2%
SINGAPORE NAPHTHA BALMO	KU	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
SINGAPORE NAPHTHA SWAP	SP	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SING FUEL	MSD	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	40	10	300.0%
SOCAL BASIS SWAP	NS	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SOCAL PIPE SWAP	XN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,600	-100.0%
SONAT BASIS SWAP FUTURE	SZ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	368	-100.0%
SOUTHERN NAT LA NAT GAS	M8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	522	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	1,368	-100.0%
Sumas Basis Swap	NK	0	0	0.0%	0	0	0	550	-30.1%	0	0	0.0%	0	0	0.0%	6,238	13,775	-54.7%
SUMAS NAT GAS PLATTS FIXE	DVS	0	0	0.0%	0	0	0	306	0.0%	0	0	0.0%	0	0	0.0%	306	0	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	15	-100.0%
TCO BASIS SWAP	TC	0	0	0.0%	0	0	0	824	-38.7%	0	0	0.0%	0	0	0.0%	8,226	17,414	-52.8%
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%
TENN 800 LEG NAT GAS INDE	L4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,285	-100.0%
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	428	724	-40.9%
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	796	-100.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	2,600	-100.0%
Tetco ELA Basis	TE	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TETCO M-3 INDEX	IX	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	7,463	-100.0%
Tetco STX Basis	TX	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	1,611	-100.0%
TEXAS EASTERN ZONE M-3 BA	NX	0	0	0.0%	0	0	0	453	-94.7%	0	0	0.0%	0	31	-100.0%	8,000	55,745	-85.6%
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%
TRANSCO ZONE 1 NG BASIS	8E	-	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%	302	610	-50.5%
TRANSCO ZONE 3 NG INDEX S	Y6	0	-	-	0	-	0	-	-	0	-	-	0	-	-	6,256	-	-
TRANSCO ZONE4 BASIS SWAP	TR	0	0	0.0%	0	186	-1	5,520	299.7%	0	0	0.0%	0	646	-100.0%	12,619	15,563	-18.9%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	465	1,457	-68.1%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	2,870	6,389	-55.1%
TRANSCO ZONE 6 INDEX	IT	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	856	6,014	-85.8%
TRANSCO ZONE 6 PIPE SWAP	XZ4	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%



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Commodity Indicator	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
UCM FUT	UCM	0	0	0.0%	0	0	0	47	10	370.0%	0	0	0.0%	0	0	0.0%	245	231	6.1%
ULSD 10PPM CIF MED BALMO	X7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	38	-100.0%
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	45	-33.3%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0	0	0	46	-100.0%	0	0	0.0%	0	0	0.0%	66	154	-57.1%
ULSD 10PPM CIF NW BALMO S	B1	0	-	-	0	-	0	6	-	-	0	-	0	-	-	0	6	-	-
ULSD 10PPM CIF VS ICE GAS	7V	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	35	-100.0%
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	0	2,575	9,862	-73.9%	0	0	0.0%	0	0	0.0%	24,950	32,410	-23.0%
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	40,618	68,604	-40.8%	0	0	0.0%	0	0	0.0%	304,721	374,506	-18.6%
USGC UNL 87 CRACK SPREAD	RU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	175	-100.0%
VENTURA NAT GAS PLATTS FIX	DVA	-	0	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	0	1,220	6,891	-82.3%	0	0	0.0%	0	0	0.0%	3,052	35,670	-91.4%
WAHA INDEX SWAP FUTURE	IY	0	0	0.0%	0	0	0	0	620	-100.0%	0	0	0.0%	0	0	0.0%	0	7,940	-100.0%
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0	0	0	355	-100.0%	0	0	0.0%	0	0	0.0%	2,220	7,367	-69.9%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	404	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	0	18,140	17,120	6.0%	0	0	0.0%	120	0	0.0%	64,232	85,587	-25.0%
WTI CALENDAR	CS	0	0	0.0%	0	0	0	30,979	20,942	47.9%	0	1,069	-100.0%	0	0	0.0%	236,162	208,980	13.0%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	3,480	450	673.3%	0	0	0.0%	0	0	0.0%	25,374	7,382	243.7%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	1,024	1,010	1.4%	0	0	0.0%	0	0	0.0%	3,944	7,726	-49.0%
Energy Options																			
12 MO GASOIL CAL SWAP SPR	GXZ	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	230	-	-
1 MO GASOIL CAL SWAP SPR	GXA	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	6K	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRENT CALENDAR SWAP	BA	0	0	0.0%	0	0	0	1,875	0	0.0%	0	0	0.0%	0	0	0.0%	5,297	10,628	-50.2%
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	0	8,345	5,150	62.0%	0	3,000	-100.0%	0	0	0.0%	24,295	27,215	-10.7%
BRENT OIL LAST DAY	BZO	0	673	-100.0%	12,343	4,018	2.07	24,962	21,911	13.9%	0	2,473	-100.0%	36,909	7,421	397.4%	142,365	85,237	67.0%
BRENT OIL LAST DAY	OS	0	4	-100.0%	0	0	0	0	700	-100.0%	0	4,424	-100.0%	144	0	0.0%	3,000	6,798	-55.9%
COAL API2 INDEX	CLA	0	0	0.0%	0	0	0	955	3,670	-74.0%	0	0	0.0%	0	0	0.0%	8,021	44,822	-82.1%
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	0	700	-100.0%	0	0	0.0%	0	0	0.0%	610	100,684	-99.4%
COAL API2 INDEX	MTC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	150	-66.7%
COAL API4 INDEX	RLA	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	RQA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,330	-100.0%

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Commodity Indicator	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Options																			
COAL SWAP	CPF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	140	385	-63.6%	
COAL SWAP	RPF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	85	86	-1.2%	
CRUDE OIL 1MO	WA	0	0	0.0%	17,425	128,821	-0.86	164,850	201,200	-18.1%	0	100	-100.0%	126,284	420,022	-69.9%	1,111,564	1,283,035	-13.4%
CRUDE OIL APO	AO	0	550	-100.0%	0	0	0	56,515	19,443	190.7%	0	7,087	-100.0%	52	0	0.0%	257,489	165,425	55.7%
CRUDE OIL CALNDR STRIP	6F	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,150	-100.0%
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 PHY	CD	0	0	0.0%	0	0	0	2,405	1,300	85.0%	0	0	0.0%	0	0	0.0%	14,665	25,325	-42.1%
CRUDE OIL PHY	LC	0	606	-100.0%	4	0	0	10,566	20,192	-47.7%	0	10,187	-100.0%	13	0	0.0%	205,509	251,459	-18.3%
CRUDE OIL PHY	LO	0	4,422	-100.0%	2,788,869	2,655,478	0.05	634,039	735,102	-13.7%	0	188,256	-100.0%	21,877,555	19,119,090	14.4%	5,768,724	6,180,572	-6.7%
CRUDE OIL PHY	LO1	0	0	0.0%	17,212	3,991	3.31	0	0	0.0%	0	1,350	-100.0%	88,864	33,613	164.4%	150	150	0.0%
CRUDE OIL PHY	LO2	0	0	0.0%	13,502	2,967	3.55	0	0	0.0%	0	350	-100.0%	79,500	28,439	179.5%	200	200	0.0%
CRUDE OIL PHY	LO3	0	0	0.0%	11,336	0	0	0	0	0.0%	0	1,200	-100.0%	59,744	13,051	357.8%	200	0	0.0%
CRUDE OIL PHY	LO4	0	0	0.0%	22,170	3,010	6.37	0	0	0.0%	0	1,650	-100.0%	114,122	27,058	321.8%	200	630	-68.3%
CRUDE OIL PHY	LO5	0	0	0.0%	0	3,972	-1	0	700	-100.0%	0	585	-100.0%	34,538	14,264	142.1%	250	700	-64.3%
DAILY CRUDE OIL	DNM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ELEC FINSETTLED	PML	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	0	213	-100.0%
ELEC MISO PEAK	9T	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	820	2,580	-68.2%
ELECTRICITY OFF PEAK	N9P	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ETHANOL	CE1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	75	25	200.0%
ETHANOL	CE3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	25	1,100.0%
ETHANOL SWAP	CVR	0	0	0.0%	0	0	0	4,365	4,392	-0.6%	0	0	0.0%	0	0	0.0%	35,802	38,695	-7.5%
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	465	430	8.1%	0	0	0.0%	0	0	0.0%	1,385	2,318	-40.3%
EURO-DENOMINATED PETRO P	EFB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EURO-DENOMINATED PETRO P	NWE	0	0	0.0%	0	0	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	60	-100.0%
GASOIL CRACK SPREAD AVG P	3U	-	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	872	-100.0%
HEATING OIL CRACK OPTIONS	CH	0	-	-	0	-	0	-	-	-	0	-	0	-	-	-	100	-	-
HEATING OIL CRK SPD AVG PR	3W	0	-	-	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-
HEATING OIL PHY	LB	0	0	0.0%	2	0	0	50	0	0.0%	0	136	-100.0%	8	0	0.0%	1,560	60	2,500.0%
HEATING OIL PHY	OH	0	911	-100.0%	3,983	5,719	-0.3	19,484	43,235	-54.9%	0	5,565	-100.0%	35,110	49,941	-29.7%	188,936	340,122	-44.5%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	0	3,136	2,003	56.6%	0	0	0.0%	0	0	0.0%	25,360	15,346	65.3%
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%	1,300	5,700	-77.2%

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Energy Options																			
HUSTN SHIP CHNL PIPE SWP	PK	0	0	0.0%	0	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	2,400	-100.0%	0	0	0.0%	0	0	0.0%	5,100	11,130	-54.2%	
MCCLOSKY ARA ARGS COAL	MTO	0	0	0.0%	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	1,290	8,395	-84.6%	
MCCLOSKY RCH BAY COAL	MFO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,385	-100.0%	
NATURAL GAS	G10	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	450	500	-10.0%	
NATURAL GAS 12 M CSO FIN	G7	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NATURAL GAS 1 M CSO FIN	G4	0	0	0.0%	795	0	0	8,900	196.7%	0	200	-100.0%	995	0	0.0%	282,825	36,330	678.5%	
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,550	1,000	255.0%	
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	7,625	-55.2%	0	250	-100.0%	0	0	0.0%	80,425	156,474	-48.6%	
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%	4,050	1,200	237.5%	
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	0	2,250	0.0%	0	0	0.0%	0	0	0.0%	36,820	4,100	798.0%	
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	0	1,440	60.0%	0	0	0.0%	0	0	0.0%	6,938	13,378	-48.1%	
NATURAL GAS PHY	KD	0	0	0.0%	3,902	0	0	32,155	86.1%	0	0	0.0%	8,478	0	0.0%	228,690	232,844	-1.8%	
NATURAL GAS PHY	LN	0	176	-100.0%	955,597	522,135	0.83	821,642	-42.7%	0	10,137	-100.0%	6,808,244	2,421,206	181.2%	9,040,574	10,940,127	-17.4%	
NATURAL GAS PHY	ON	0	1,540	-100.0%	168,403	305,360	-0.45	9,072	5,093	78.1%	0	8,382	-100.0%	1,368,688	1,904,167	-28.1%	52,678	49,418	6.6%
NATURAL GAS PHY	ON1	0	-	-	0	-	0	0	-	0	-	-	0	-	-	0	-	-	
NATURAL GAS PHY	ON5	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NG HH 3 MONTH CAL	IC	0	0	0.0%	0	0	0	0	0.0%	0	500	-100.0%	0	0	0.0%	0	0	0.0%	
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	0	360	-50.0%	0	0	0.0%	0	0	0.0%	2,856	3,510	-18.6%	
NY HARBOR HEAT OIL SWP	AT	0	170	-100.0%	24	0	0	4,284	-35.6%	0	1,293	-100.0%	413	6	6,783.3%	24,735	40,903	-39.5%	
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%	19,830	420	4,621.4%	
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%	
NYMEX EUROPEAN GASOIL OP	F8	0	0	0.0%	0	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	-	-	2,880	-	-	
PETROCHEMICALS	4H	0	0	0.0%	0	2	-1	555	29.1%	0	0	0.0%	0	10	-100.0%	3,374	9,460	-64.3%	
PETROCHEMICALS	4I	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	2,450	4,455	-45.0%	
PETROCHEMICALS	4K	0	0	0.0%	0	0	0	200	0.0%	0	0	0.0%	0	0	0.0%	200	0	0.0%	
PETROCHEMICALS	CPR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	18	495	-96.4%	
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	0	0.0%	
PGE CITYGATE PIPE SWAP	CW	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PJM CALENDAR STRIP	6O	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PJM ELECTRIC	6OO	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PJM MONTHLY	JO	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 JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Options																			
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	0	0	0	530	280	89.3%	0	0	0.0%	0	0	0.0%	3,550	420	745.2%
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%	0	10,300	-100.0%
PJM WES HUB PEAK LMP 50MM	PMA	0	0	0.0%	0	0	0	492	215	128.8%	0	0	0.0%	0	0	0.0%	12,085	1,910	532.7%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0	0	1,458	0	0.0%	0	0	0.0%	0	0	0.0%	2,008	3,400	-40.9%
RBOB CALENDAR SWAP	RA	0	0	0.0%	0	0	0	0	0	0.0%	0	50	-100.0%	10	0	0.0%	2,125	5,749	-63.0%
RBOB PHY	OB	0	245	-100.0%	4,876	4,942	-0.01	19,528	15,173	28.7%	0	7,754	-100.0%	40,330	55,380	-27.2%	138,518	221,481	-37.5%
RBOB PHY	RF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	85	20	325.0%
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	400	-100.0%
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	0	0	180	720	-75.0%	0	0	0.0%	0	0	0.0%	1,980	6,312	-68.6%
SHORT TERM	U11	0	0	0.0%	0	0	0	840	100	740.0%	0	0	0.0%	0	0	0.0%	3,290	1,600	105.6%
SHORT TERM	U12	0	0	0.0%	0	0	0	90	600	-85.0%	0	0	0.0%	0	0	0.0%	3,679	2,780	32.3%
SHORT TERM	U13	0	0	0.0%	0	0	0	420	100	320.0%	0	0	0.0%	0	0	0.0%	2,085	3,411	-38.9%
SHORT TERM	U14	0	0	0.0%	0	0	0	415	800	-48.1%	0	0	0.0%	0	0	0.0%	1,705	4,425	-61.5%
SHORT TERM	U15	0	0	0.0%	0	0	0	0	125	-100.0%	0	0	0.0%	0	0	0.0%	3,585	1,975	81.5%
SHORT TERM	U22	0	0	0.0%	0	0	0	0	500	-100.0%	0	0	0.0%	0	0	0.0%	1,577	2,375	-33.6%
SHORT TERM	U23	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,022	680	50.3%
SHORT TERM	U24	0	0	0.0%	0	0	0	250	0	0.0%	0	0	0.0%	0	0	0.0%	1,970	1,380	42.8%
SHORT TERM	U25	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	300	205	46.3%
SHORT TERM	U26	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	292	1,230	-76.3%
SHORT TERM CRUDE OIL	C02	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	0	250	300	-16.7%	0	0	0.0%	0	0	0.0%	2,290	3,275	-30.1%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,425	3,075	-21.1%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,120	725	192.4%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	730	2,500	-70.8%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	0	600	300	100.0%	0	0	0.0%	0	0	0.0%	3,225	2,325	38.7%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	0	460	100	360.0%	0	0	0.0%	0	0	0.0%	5,625	1,930	191.5%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	0	670	300	123.3%	0	0	0.0%	0	0	0.0%	2,935	3,500	-16.1%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,385	2,047	65.4%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,700	3,392	-20.4%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	1,130	0	0.0%	0	0	0.0%	0	0	0.0%	4,887	3,565	37.1%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,120	3,310	-36.0%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0	0	1,020	0	0.0%	0	0	0.0%	0	0	0.0%	2,929	780	275.5%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0	0	70	525	-86.7%	0	0	0.0%	0	0	0.0%	487	2,080	-76.6%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0	0	380	0	0.0%	0	0	0.0%	0	0	0.0%	3,685	1,080	241.2%

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Energy Options																		
SHORT TERM NATURAL GAS U20	0	0	0.0%	0	0	0	290	0	0.0%	0	0	0.0%	0	0	0.0%	2,805	1,030	172.3%
SHORT TERM NATURAL GAS U21	0	0	0.0%	0	0	0	194	100	94.0%	0	0	0.0%	0	0	0.0%	1,799	575	212.9%
SHORT TERM NATURAL GAS U27	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	1,870	900	107.8%
SHORT TERM NATURAL GAS U28	0	0	0.0%	0	0	0	200	1,250	-84.0%	0	0	0.0%	0	0	0.0%	1,605	3,275	-51.0%
SHORT TERM NATURAL GAS U29	0	0	0.0%	0	0	0	0	225	-100.0%	0	0	0.0%	0	0	0.0%	260	2,450	-89.4%
SHORT TERM NATURAL GAS U30	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,055	600	409.2%
SHORT TERM NATURAL GAS U31	0	0	0.0%	0	0	0	400	0	0.0%	0	0	0.0%	0	0	0.0%	5,650	750	653.3%
SINGAPORE FUEL OIL 180 CS C5	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE GASOIL CALEND 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 CALEND 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	10,000	-100.0%
WTI 12 MONTH CALENDAR OPT WZ	-	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%	600	0	0	6,752	14,350	-52.9%	0	0	0.0%	5,620	0	0.0%	231,854	136,840	69.4%
WTI CRUDE OIL 1 M CSO FI 7A	0	0	0.0%	0	0	0	28,750	109,000	-73.6%	0	0	0.0%	0	16,826	-100.0%	382,950	1,160,567	-67.0%

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Metals Futures																			
COMEX GOLD	GC	0	6,373	-100.0%	5,735,118	5,501,510	0.04	221,920	163,522	35.7%	0	75,478	-100.0%	36,959,202	32,902,702	12.3%	1,374,491	980,100	40.2%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	634	11	56.64	6,005	3,404	76.4%	0	0	0.0%	1,902	3,499	-45.6%	29,280	29,697	-1.4%
NYMEX PLATINUM	PL	0	0	0.0%	310,600	266,683	0.16	10,462	5,595	87.0%	0	38	-100.0%	2,553,611	2,082,933	22.6%	79,956	41,305	93.6%
PALLADIUM	PA	0	0	0.0%	78,393	96,252	-0.19	4,332	3,146	37.7%	0	63	-100.0%	800,771	725,618	10.4%	43,821	23,388	87.4%
URANIUM	UX	0	0	0.0%	0	0	0	286	0	0.0%	0	0	0.0%	427	993	-57.0%	3,798	5,500	-30.9%
COMEX SILVER	SI	0	470	-100.0%	1,787,910	1,431,615	0.25	41,808	13,078	219.7%	0	7,913	-100.0%	12,633,844	10,023,780	26.0%	312,021	140,359	122.3%
COMEX E-Mini GOLD	QO	0	0	0.0%	7,215	15,804	-0.54	0	0	0.0%	0	0	0.0%	59,088	80,676	-26.8%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	915	2,179	-0.58	0	0	0.0%	0	0	0.0%	6,399	8,560	-25.2%	0	0	0.0%
COMEX COPPER	HG	0	396	-100.0%	1,732,299	1,492,309	0.16	8,202	5,300	54.8%	0	850	-100.0%	13,851,951	11,738,337	18.0%	188,312	22,249	746.4%
COMEX MINY COPPER	QC	0	0	0.0%	370	334	0.11	0	0	0.0%	0	0	0.0%	5,479	4,116	33.1%	0	0	0.0%
Aluminium MW Trans Prem Platts	AUP	0	0	0.0%	226	221	0.02	4,506	5,971	-24.5%	0	0	0.0%	1,420	4,488	-68.4%	50,252	38,911	29.1%
ALUMINUM	A38	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	30	50	-40.0%
ALUMINUM	AEP	0	0	0.0%	0	120	-1	720	1,230	-41.5%	0	0	0.0%	78	2,768	-97.2%	17,711	4,761	272.0%
ALUMINUM	ALA	0	-	-	0	-	-	250	-	-	0	-	-	0	-	-	450	-	-
ALUMINUM	ALI	0	0	0.0%	332	665	-0.5	0	0	0.0%	0	0	0.0%	4,056	4,394	-7.7%	950	0	0.0%
ALUMINUM	EDP	0	0	0.0%	0	0	0	480	420	14.3%	0	0	0.0%	14	0	0.0%	4,516	2,270	98.9%
ALUMINUM	MJP	0	0	0.0%	44	71	-0.38	2,610	270	866.7%	0	0	0.0%	221	859	-74.3%	8,118	3,804	113.4%
COPPER	HGS	0	0	0.0%	0	0	0	22	30	-26.7%	0	0	0.0%	0	0	0.0%	985	1,782	-44.7%
E-MICRO GOLD	MGC	0	0	0.0%	81,456	97,398	-0.16	0	0	0.0%	0	0	0.0%	606,072	667,510	-9.2%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	0	0	0	30	0	0.0%	0	0	0.0%	35	0	0.0%	495	510	-2.9%
FERROUS PRODUCTS	SSF	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GOLD	GPS	0	-	-	1	-	-	0	-	-	0	-	-	1	-	-	0	-	-
Gold Kilo	GCK	0	0	0.0%	258	3,717	-0.93	0	0	0.0%	0	0	0.0%	2,535	35,938	-92.9%	0	0	0.0%
IRON ORE 58 CHINA TSI FUTUR	TIC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
IRON ORE 62 CHINA PLATTS FL	PIO	0	0	0.0%	0	0	0	4,070	0	0.0%	0	0	0.0%	0	0	0.0%	6,212	2,470	151.5%
IRON ORE 62 CHINA TSI FUTUR	TIO	0	0	0.0%	158	585	-0.73	4,325	11,966	-63.9%	0	0	0.0%	2,098	3,995	-47.5%	68,811	119,339	-42.3%
LNDN ZINC	ZNC	0	0	0.0%	0	35	-1	0	0	0.0%	0	0	0.0%	85	186	-54.3%	0	0	0.0%
METALS	LED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	5	-100.0%	0	0	0.0%
SILVER	SIL	0	0	0.0%	5,431	12,077	-0.55	0	0	0.0%	0	0	0.0%	36,817	59,210	-37.8%	0	0	0.0%



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Metals Options																			
COMEX COPPER	HX	0	90	-100.0%	5,989	3,201	0.87	0	2,500	-100.0%	0	1,073	-100.0%	25,910	14,945	73.4%	2,679	3,296	-18.7%
COMEX GOLD	OG	0	39,237	-100.0%	658,169	403,940	0.63	131,243	142,189	-7.7%	0	507,495	-100.0%	4,316,994	4,202,536	2.7%	1,254,448	1,068,013	17.5%
COMEX SILVER	SO	0	7,693	-100.0%	118,204	118,975	-0.01	13,183	7,957	65.7%	0	55,721	-100.0%	718,790	677,540	6.1%	92,716	67,331	37.7%
COPPER	H4E	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GOLD	OG1	0	0	0.0%	2,742	463	4.92	250	0	0.0%	0	86	-100.0%	18,743	6,933	170.3%	450	100	350.0%
GOLD	OG2	0	0	0.0%	2,926	1,405	1.08	50	500	-90.0%	0	240	-100.0%	19,146	6,400	199.2%	900	1,650	-45.5%
GOLD	OG3	0	60	-100.0%	1,690	1,323	0.28	0	0	0.0%	0	90	-100.0%	23,425	6,212	277.1%	1,665	300	455.0%
GOLD	OG4	0	0	0.0%	2,568	809	2.17	0	125	-100.0%	0	0	0.0%	11,084	4,194	164.3%	150	275	-45.5%
GOLD	OG5	0	0	0.0%	0	626	-1	0	0	0.0%	0	200	-100.0%	5,791	2,136	171.1%	0	100	-100.0%
IRON ORE 62 CHINA TSI CALL C	ICT	0	0	0.0%	0	0	0	300	1,230	-75.6%	0	0	0.0%	0	0	0.0%	8,452	33,201	-74.5%
IRON ORE 62 CHINA TSI PUT O	ICT	0	0	0.0%	0	0	0	2,580	5,162	-50.0%	0	0	0.0%	0	0	0.0%	17,195	23,386	-26.5%
NYMEX PLATINUM	PO	0	5	-100.0%	1,678	549	2.06	1,561	2,103	-25.8%	0	2,010	-100.0%	6,652	4,050	64.2%	11,300	21,600	-47.7%
PALLADIUM	PAO	0	0	0.0%	1,166	472	1.47	5,565	4,920	13.1%	0	272	-100.0%	6,957	1,474	372.0%	24,966	19,742	26.5%
SILVER	SO1	0	0	0.0%	14	0	0	0	0	0.0%	0	0	0.0%	498	12	4,050.0%	25	0	0.0%
SILVER	SO2	0	0	0.0%	24	0	0	0	0	0.0%	0	0	0.0%	188	1	18,700.0%	0	0	0.0%
SILVER	SO3	0	0	0.0%	0	195	-1	0	0	0.0%	0	0	0.0%	567	200	183.5%	0	0	0.0%
SILVER	SO4	0	0	0.0%	17	1	16	0	0	0.0%	0	0	0.0%	114	10	1,040.0%	0	0	0.0%
SILVER	SO5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	3	6	-50.0%	0	0	0.0%
TOTAL FUTURES GROUP																			
Commodities and Alternative Investments Future		0	0	0.0%	5	366	-98.6%	0	0	0.0%	0	0	0.0%	173	2,502	-93.1%	0	0	0.0%
Energy Futures		0	794	-100.0%	43,404,768	33,005,517	31.5%	2,883,230	4,573,778	-37.0%	0	24,685	-100.0%	296,105,080	265,870,142	11.4%	27,296,865	33,616,046	-18.8%
Metals Futures		0	7,239	-100.0%	9,741,360	8,921,586	9.2%	310,028	213,982	44.9%	0	84,342	-100.0%	67,526,106	58,350,567	15.7%	2,190,209	1,416,495	54.6%
TOTAL FUTURES		0	8,033	-100.0%	53,146,133	41,927,469	26.8%	3,193,258	4,787,760	-33.3%	0	109,027	-100.0%	363,631,359	324,223,211	12.2%	29,487,074	35,032,541	-15.8%
TOTAL OPTIONS GROUP																			
Energy Options		0	9,297	-100.0%	4,021,043	3,640,415	10.5%	1,886,064	2,693,520	-30.0%	0	254,929	-100.0%	30,685,621	24,110,494	27.3%	18,449,962	21,729,195	-15.1%
Metals Options		0	47,085	-100.0%	795,187	531,959	49.5%	154,732	166,686	-7.2%	0	567,187	-100.0%	5,154,862	4,926,649	4.6%	1,414,946	1,238,994	14.2%
TOTAL OPTIONS		0	56,382	-100.0%	4,816,230	4,172,374	15.4%	2,040,796	2,860,206	-28.6%	0	822,116	-100.0%	35,840,483	29,037,143	23.4%	19,864,908	22,968,189	-13.5%

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 2016	% CHG	CME ClearPort JUL 2017	CME ClearPort JUL 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG
TOTAL COMBINED																		
Commodities and Alternative Investments	0	0	0.0%	5	366	-98.6%	0	0	0.0%	0	0	0.0%	173	2,502	-93.1%	0	0	0.0%
Energy	0	10,091	-100.0%	47,425,811	36,645,932	29.4%	4,769,294	7,267,298	-34.4%	0	279,614	-100.0%	326,790,701	289,980,636	12.7%	45,746,827	55,345,241	-17.3%
Metals	0	54,324	-100.0%	10,536,547	9,453,545	11.5%	464,760	380,668	22.1%	0	651,529	-100.0%	72,680,968	63,277,216	14.9%	3,605,155	2,655,489	35.8%
GRAND TOTAL	0	64,415	-100.0%	57,962,363	46,099,843	25.7%	5,234,054	7,647,966	-31.6%	0	931,143	-100.0%	399,471,842	353,260,354	13.1%	49,351,982	58,000,730	-14.9%

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