

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

	Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG
Ag Products Futures																			
	CJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	8	5	60.0%	0	0	0.0%
	KT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
	TT	0	0	0.0%	14	0	0	0	0	0.0%	0	0	0.0%	29	2	1,350.0%	0	0	0.0%
	YO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	10	58	-82.8%	0	0	0.0%
Energy Futures																			
	CL	0	0	0.0%	22,462,243	22,689,538	-0.01	363,097	366,688	-1.0%	0	0	0.0%	171,582,848	187,583,797	-8.5%	3,318,747	3,268,888	1.5%
	WS	0	0	0.0%	0	0	0	0	4,800	-100.0%	0	0	0.0%	0	89	-100.0%	16,694	15,050	10.9%
	QM	0	0	0.0%	550,243	403,151	0.36	0	0	0.0%	0	0	0.0%	3,208,632	2,380,009	34.8%	0	0	0.0%
	BZ	0	0	0.0%	1,976,266	1,610,194	0.23	31,126	40,833	-23.8%	0	0	0.0%	14,737,444	12,573,585	17.2%	383,267	276,656	38.5%
	HO	0	0	0.0%	2,883,991	3,171,255	-0.09	198,282	154,960	28.0%	0	0	0.0%	21,713,479	26,230,278	-17.2%	1,604,097	1,319,537	21.6%
	BH	0	0	0.0%	0	0	0	48	36	33.3%	0	0	0.0%	0	0	0.0%	96	84	14.3%
	QH	0	0	0.0%	3	4	-0.25	0	0	0.0%	0	0	0.0%	23	22	4.5%	0	0	0.0%
	RB	0	0	0.0%	4,012,160	3,776,733	0.06	223,151	182,669	22.2%	0	0	0.0%	29,384,002	27,333,173	7.5%	1,836,333	1,536,074	19.5%
	QU	0	0	0.0%	6	4	0.5	0	0	0.0%	0	0	0.0%	43	23	87.0%	0	0	0.0%
	HP	0	0	0.0%	28,753	31,291	-0.08	72,068	43,554	65.5%	0	0	0.0%	271,167	342,255	-20.8%	495,212	476,404	3.9%
	HH	0	0	0.0%	151,395	146,864	0.03	121,462	117,165	3.7%	0	0	0.0%	1,125,057	1,463,095	-23.1%	1,073,380	925,882	15.9%
	QG	0	0	0.0%	33,478	18,448	0.81	0	12	-100.0%	0	0	0.0%	191,184	185,986	2.8%	0	36	-100.0%
	JM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
	NG	0	0	0.0%	8,827,979	6,867,404	0.29	209,182	224,208	-6.7%	0	0	0.0%	52,170,897	59,742,918	-12.7%	1,778,059	1,940,078	-8.4%
	RT	0	0	0.0%	0	0	0	12	36	-66.7%	0	0	0.0%	0	0	0.0%	72	14,374	-99.5%
	7D	0	0	0.0%	0	0	0	3	0	0.0%	0	0	0.0%	0	0	0.0%	81	452	-82.1%
	8D	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	95	-78.9%
	VD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
	VM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
	VP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
	N7	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
	B4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
	ND	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
	NE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
	E5	0	0	0.0%	0	0	0	2,505	11,970	-79.1%	0	0	0.0%	0	30	-100.0%	72,746	172,071	-57.7%

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Energy Futures																			
	7E	0	0	0.0%	0	0	0	5,444	3,918	38.9%	0	0	0.0%	0	0	0.0%	42,981	40,301	6.6%
	9N	0	0	0.0%	0	0	0	2,522	2,024	24.6%	0	0	0.0%	0	0	0.0%	19,904	17,151	16.1%
	ACT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
	ALW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
	J9	0	0	0.0%	0	0	0	50	135	-63.0%	0	0	0.0%	0	0	0.0%	963	185	420.5%
	CY	0	0	0.0%	0	0	0	12,224	1,669	632.4%	0	0	0.0%	0	0	0.0%	48,284	24,992	93.2%
	6W	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
	BB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	7,000	13,264	-47.2%
	MBC	0	0	0.0%	0	0	0	237	127	86.6%	0	0	0.0%	0	0	0.0%	319	127	151.2%
	MDB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	224	-100.0%
	BZL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
	BZS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
	9X	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
	9Z	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
	CIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
	PW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	36	-100.0%
	CU	0	0	0.0%	0	15	-1	96,231	66,938	43.8%	0	0	0.0%	474	1,845	-74.3%	749,040	690,391	8.5%
	4C	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
	5C	0	0	0.0%	0	0	0	365	550	-33.6%	0	0	0.0%	0	0	0.0%	4,214	2,534	66.3%
	3C	0	0	0.0%	0	0	0	245	125	96.0%	0	0	0.0%	0	0	0.0%	1,120	750	49.3%
	CI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	196	-100.0%
	Z8	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
	EJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
	EM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
	K2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
	H5	0	0	0.0%	0	0	0	688	1,216	-43.4%	0	0	0.0%	0	0	0.0%	3,870	8,796	-56.0%
	H4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,920	0	0.0%
	H3	0	0	0.0%	0	0	0	0	230	-100.0%	0	0	0.0%	0	0	0.0%	325	230	41.3%
	ACM	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	0	450	-100.0%
	SSI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
	5Z	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	364	0	0.0%
	GL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
	8L	0	0	0.0%	0	0	0	50	89	-43.8%	0	0	0.0%	0	0	0.0%	1,233	1,314	-6.2%
	8M	0	0	0.0%	0	0	0	335	209	60.3%	0	0	0.0%	0	0	0.0%	2,796	2,426	15.3%

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Energy Futures																			
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	0	0	0	13,696	13,364	2.5%	0	0	0.0%	123	31	296.8%	108,571	110,899	-2.1%
CRUDE OIL	LPS	0	0	0.0%	0	0	0	2,100	5,150	-59.2%	0	0	0.0%	0	0	0.0%	19,825	33,955	-41.6%
CRUDE OIL OUTRIGHTS	42	0	0	0.0%	0	0	0	42	243	-82.7%	0	0	0.0%	0	0	0.0%	3,051	1,797	69.8%
CRUDE OIL OUTRIGHTS	CC5	0	0	0.0%	0	0	0	621	0	0.0%	0	0	0.0%	0	0	0.0%	3,071	0	0.0%
CRUDE OIL OUTRIGHTS	CPD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,956	-100.0%
CRUDE OIL OUTRIGHTS	CSN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	CSW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	50	0	0.0%	2,870	5	57,300.0%
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	400	99	304.0%
CRUDE OIL OUTRIGHTS	FE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	276	105	162.9%
CRUDE OIL OUTRIGHTS	HTT	0	0	0.0%	0	0	0	63,946	40,225	59.0%	0	0	0.0%	0	0	0.0%	419,744	372,418	12.7%
CRUDE OIL OUTRIGHTS	LSW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,138	290	982.1%
CRUDE OIL OUTRIGHTS	SSW	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	UMD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,800	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	7,554	-100.0%
CRUDE OIL OUTRIGHTS	WCC	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	WCW	0	0	0.0%	0	0	0	1,535	2,758	-44.3%	0	0	0.0%	0	0	0.0%	32,294	53,950	-40.1%
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	-	-	8,130	-		4,700	-	-	0	-	-	99,106	-	-	44,169	-	-
CRUDE OIL SPRDS	38	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,055	-100.0%
CRUDE OIL SPRDS	HIL	0	-	-	0	-		0	-	-	0	-	-	0	-	-	720	-	-
CRUDE OIL SPRDS	WTT	0	0	0.0%	0	0	0	29,995	29,726	0.9%	0	0	0.0%	0	0	0.0%	166,280	343,516	-51.6%
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	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	0.0%

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Energy Futures																		
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%
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	1,000	3,135	-68.1%
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	5	-100.0%
DIESEL 10PPM BARGES FOB B	U7	-	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	0	0.0%
DOMINION TRANSMISSION INC	PG	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	126	-100.0%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	125	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0	0	490	-76.4%	0	0	0.0%	0	0	0.0%	17,538	14,027	25.0%
DUTCH TTF NATURAL GAS CAL	TTF	0	0	0.0%	17,365	482	35.03	0	0.0%	0	0	0.0%	59,242	7,170	726.2%	0	10	-100.0%
DY EURO 3.5% FUEL OI RDA	FOR	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	245	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	10	-66.7%	0	0	0.0%	0	0	0.0%	20	187	-89.3%
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	0	389	1,154.8%	0	0	0.0%	0	0	0.0%	2,642	1,480	78.5%
ELEC ERCOT DLY OFF PK	I4	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	I3	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 OFF PEAK	I2	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	19,600	-100.0%
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%
ELEC MISO PEAK	4L	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	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	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	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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	-	-
ELECTRICITY OFF PEAK	50	-	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%
ELEC WEST POWER PEAK	MDC	-	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%
ERCOT HOUSTON Z MCPE 5M	I1	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,950	-100.0%
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%

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

	Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG
Energy Futures																			
ERCOT NORTH ZMCPE 5MW OF	I6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	19,600	-100.0%
ERCOT NORTH ZMCPE 5MW PE	I5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,050	-100.0%
ETHANOL	MTH	0	-	-	0	-		0	-	-	0	-	-	0	-	-	40	-	-
ETHANOL	Z1B	0	-	-	0	-		0	-	-	0	-	-	0	-	-	0	-	-
ETHANOL SWAP	MT2	0	0	0.0%	0	0	0	10	120	-91.7%	0	0	0.0%	0	0	0.0%	530	250	112.0%
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	0	1,879	2,339	-19.7%	0	0	0.0%	0	0	0.0%	23,478	20,610	13.9%
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	23	-87.0%
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	0	72	701	-89.7%	0	0	0.0%	0	0	0.0%	291	4,710	-93.8%
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0	0	12	17	-29.4%	0	0	0.0%	0	0	0.0%	147	709	-79.3%
EURO-DENOMINATED PETRO P	NCP	0	0	0.0%	0	0	0	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	0.0%	0	370	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0	0	0	48	-100.0%	0	0	0.0%	0	0	0.0%	450	366	23.0%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	0	0	0.0%	0	0	0	14	2	600.0%	0	0	0.0%	0	0	0.0%	367	673	-45.5%
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	0	380	7,697	-95.1%	0	0	0.0%	0	0	0.0%	7,273	64,334	-88.7%
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	100	318	-0.69	0	0	0.0%	0	0	0.0%	732	3,317	-77.9%	0	0	0.0%
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	0	181	410	-55.9%	0	0	0.0%	0	0	0.0%	1,335	2,012	-33.6%
EUROPEAN NAPHTHA CRACK SP	EN	0	0	0.0%	0	0	0	2,124	7,925	-73.2%	0	0	0.0%	0	0	0.0%	32,224	63,590	-49.3%
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,633	0	0.0%
EUROPE JET KERO NWE CALS	UJ	0	0	0.0%	0	0	0	0	6	-100.0%	0	0	0.0%	0	0	0.0%	5	21	-76.2%
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	0	1,682	4,080	-58.8%	0	0	0.0%	0	0	0.0%	14,884	23,529	-36.7%
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	0	1,703	1,189	43.2%	0	0	0.0%	0	0	0.0%	13,839	12,517	10.6%
FLORIDA GAS ZONE3 BASIS S	FP	-	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	361	177	104.0%	0	0	0.0%	0	0	0.0%	1,143	785	45.6%
FREIGHT MARKETS	FRC	0	0	0.0%	0	0	0	230	0	0.0%	0	0	0.0%	0	0	0.0%	1,120	540	107.4%
FREIGHT MARKETS	FRS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	70	0	0.0%
FREIGHT MARKETS	T2D	0	0	0.0%	0	0	0	545	330	65.2%	0	0	0.0%	0	0	0.0%	4,100	1,938	111.6%
FREIGHT MARKETS	TC6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	240	-100.0%
FREIGHT MARKETS	TD3	0	0	0.0%	0	0	0	70	30	133.3%	0	0	0.0%	0	0	0.0%	140	30	366.7%
FREIGHT MARKETS	TD8	0	-	-	0	-		0	-	-	0	-	-	0	-	-	60	-	-
FREIGHT MARKETS	USC	0	-	-	0	-		60	-	-	0	-	-	0	-	-	60	-	-
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	0	1,214	2,312	-47.5%	0	0	0.0%	0	0	0.0%	11,168	30,447	-63.3%
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%	15	171	-91.2%
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%	6	154	-96.1%

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	Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG
Energy Futures																			
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0	0	0	48	-100.0%	0	0	0.0%	0	0	0.0%	0	120	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	0	36	203	-82.3%	0	0	0.0%	0	0	0.0%	1,416	1,713	-17.3%
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	2,902	7,209	-59.7%	0	0	0.0%	0	0	0.0%	42,837	55,668	-23.0%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	5,279	13,153	-59.9%	0	0	0.0%	0	0	0.0%	63,065	139,577	-54.8%
GASOIL 0.1 CIF MED SWAP	Z4	-	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%	0	10	-100.0%
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%	10	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%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	21	5	320.0%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	0	95	-100.0%	0	0	0.0%	0	0	0.0%	103	1,255	-91.8%
GASOIL 10P CRG CIF NW VS	3V	-	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	0	0	0.0%	0	0	0.0%	0	0	0.0%	39	12	225.0%
GASOIL BULLET SWAP	BG	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	0	12	0	0.0%	0	0	0.0%	0	0	0.0%	90	48	87.5%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	960	1,524	-37.0%	0	0	0.0%	0	0	0.0%	4,994	32,720	-84.7%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	0	427	384	11.2%	0	0	0.0%	0	0	0.0%	1,698	1,270	33.7%
GERMAN POWER BASELOAD C	DEB	0	0	0.0%	5,143	0	0	0	0	0.0%	0	0	0.0%	17,435	2,076	739.8%	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%	0	185	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	425	-100.0%
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	0	4,648	2,060	125.6%	0	0	0.0%	0	0	0.0%	24,995	24,838	0.6%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	0	1,810	2,160	-16.2%	0	0	0.0%	0	0	0.0%	19,817	13,792	43.7%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	0	809	1,846	-56.2%	0	0	0.0%	0	0	0.0%	4,938	10,485	-52.9%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	267	915	-70.8%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	20,360	27,628	-26.3%	0	0	0.0%	0	0	0.0%	152,410	271,668	-43.9%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	2	0	0	18,312	47,665	-61.6%	0	0	0.0%	2	0	0.0%	165,460	426,001	-61.2%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	160	835	-80.8%	0	0	0.0%	0	0	0.0%	1,493	14,343	-89.6%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	277	98	182.7%	0	0	0.0%	0	0	0.0%	2,842	1,810	57.0%
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%	0	1,295	-100.0%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	40	0	0.0%	0	0	0.0%	0	0	0.0%	565	223	153.4%
HEATING OIL CRCK SPRD BAL	1H	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	18	-	-
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	1,178	0	0.0%	0	0	0.0%	0	0	0.0%	12,426	7,432	67.2%
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	3,975	-1	0	0	0.0%	0	0	0.0%	0	18,046	-100.0%	0	0	0.0%
HENRY HUB FINANCIAL LAST	TTE	0	0	0.0%	0	69	-1	0	0	0.0%	0	0	0.0%	0	777	-100.0%	0	0	0.0%

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		Open	Open		ELEC			CME	CME		Open	Open		ELEC	ELEC		CME	CME	
Commodity Indicator		Outcry JUL 2019	Outcry JUL 2018	% CHG	JUL 2019	ELEC JUL 2018	% CHG	ClearPort JUL 2019	ClearPort JUL 2018	% CHG	Outcry Y.T.D 2019	Outcry Y.T.D 2018	% CHG	Y.T.D 2019	Y.T.D 2018	% CHG	ClearPort Y.T.D 2019	ClearPort Y.T.D 2018	% CHG
Energy Futures																			
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	1,178	0	0.0%	0	0	0.0%	0	0	0.0%	12,426	7,432	67.2%
HENRY HUB SWAP	NN	0	0	0.0%	0	671	-1	74,882	201,790	-62.9%	0	0	0.0%	122	54,635	-99.8%	779,164	1,157,440	-32.7%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	736	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%
ICE BRENT DUBAI SWAP	DB	0	0	0.0%	0	0	0	4,276	7,850	-45.5%	0	0	0.0%	0	0	0.0%	39,114	71,498	-45.3%
ICE GASOIL BALMO SWAP	U9	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
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	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%
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	PTD	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%	-	0	0.0%	-	0	0.0%	-	0	0.0%
INDONESIAN COAL ICI4	ICI	0	0	0.0%	0	0	0	550	240	129.2%	0	0	0.0%	0	0	0.0%	2,760	775	256.1%
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%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	169	1,689	-90.0%
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	0	824	2,037	-59.5%	0	0	0.0%	0	0	0.0%	8,683	14,993	-42.1%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	10	185	-94.6%	0	0	0.0%	0	0	0.0%	289	401	-27.9%
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	0.0%	0	5	-100.0%
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	0	0	138	-100.0%	0	0	0.0%	0	0	0.0%	70	630	-88.9%
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%
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%
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	0	4,915	3,420	43.7%	0	0	0.0%	0	0	0.0%	31,313	42,257	-25.9%
JKM LNG Futures	JKM	0	0	0.0%	0	0	0	1,760	2,065	-14.8%	0	0	0.0%	0	0	0.0%	10,976	7,010	56.6%
LA CARB DIESEL (OPIS)	LX	-	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	0	775	-100.0%	0	0	0.0%	0	0	0.0%	325	2,525	-87.1%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	375	150	150.0%	0	0	0.0%	0	0	0.0%	2,675	4,075	-34.4%
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%
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	0	1,425	1,115	27.8%	0	0	0.0%	0	0	0.0%	9,305	16,255	-42.8%
LLS (ARGUS) CALENDAR SWAP	XA	0	-	-	0	-		0	-	-	0	-	-	0	-	-	0	-	-
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	0	1,080	2,530	-57.3%	0	0	0.0%	0	0	0.0%	16,539	44,420	-62.8%
LOS ANGELES CARB GASOLIN	MH	0	-	-	0	-		10	-	-	0	-	-	0	-	-	10	-	-
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	0	1,440	150	860.0%	0	0	0.0%	0	0	0.0%	12,820	18,700	-31.4%

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### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

	Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG
Energy Futures																			
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	0	0	12,197	6,165	97.8%	0	0	0.0%	480	0	0.0%	131,104	171,635	-23.6%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	0	2,319	-100.0%
MCCLOSKY ARA ARGS COAL	MTF	0	0	0.0%	456	285	0.6	34,705	21,035	65.0%	0	0	0.0%	4,299	714	502.1%	206,255	173,314	19.0%
MCCLOSKY RCH BAY COAL	MFF	0	0	0.0%	0	0	0	2,312	3,013	-23.3%	0	0	0.0%	0	0	0.0%	17,264	23,877	-27.7%
MGF FUT	MGF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	130	-100.0%
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	0	10	30	-66.7%	0	0	0.0%	0	0	0.0%	360	533	-32.5%
MICHIGAN BASIS	NF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	HMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	HMW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MINI GAS EUROBOB OXY NWE	MEB	0	0	0.0%	0	0	0	114	552	-79.3%	0	0	0.0%	0	0	0.0%	1,344	2,686	-50.0%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	0	851	-100.0%	0	0	0.0%	0	0	0.0%	3,500	2,660	31.6%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	2,042	1,614	26.5%	0	0	0.0%	0	0	0.0%	16,882	11,459	47.3%
MJC FUT	MJC	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	150	1,245	-88.0%
MNC FUT	MNC	0	0	0.0%	0	0	0	3,232	3,792	-14.8%	0	0	0.0%	0	0	0.0%	28,633	26,217	9.2%
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	0	20,907	11,511	81.6%	0	0	0.0%	0	0	0.0%	105,280	105,489	-0.2%
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	155	300	-48.3%	0	0	0.0%	0	0	0.0%	1,219	1,160	5.1%
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	3	48	-0.94	162,348	93,941	72.8%	0	0	0.0%	75	136	-44.9%	1,012,396	852,084	18.8%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	1,653	2,472	-33.1%	0	0	0.0%	0	0	0.0%	22,071	20,626	7.0%
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	0	9,154	4,528	102.2%	0	0	0.0%	0	0	0.0%	56,835	58,803	-3.3%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	865	215	302.3%	0	0	0.0%	0	0	0.0%	4,724	2,844	66.1%
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	51,174	39,530	29.5%	0	0	0.0%	0	0	0.0%	314,011	225,797	39.1%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	1,010	2,284	-55.8%	0	0	0.0%	0	0	0.0%	9,144	7,496	22.0%
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	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	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%
NATURAL GAS INDEX	TZI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS PEN SWP	NP	0	0	0.0%	0	0	0	21,025	21,360	-1.6%	0	0	0.0%	0	0	0.0%	202,598	249,706	-18.9%
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%	16,560	79,520	-79.2%
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%	0	4,376	-100.0%
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	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%

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

		Open	Open		ELEC	ELEC	%	CME	CME	%	Open	Open	%	ELEC	ELEC	%	CME	CME	
Commodity Indicator		Outcry JUL 2019	Outcry JUL 2018	% CHG	JUL 2019	JUL 2018	CHG	ClearPort JUL 2019	ClearPort JUL 2018	CHG	Outcry Y.T.D 2019	Outcry Y.T.D 2018	CHG	Y.T.D 2019	Y.T.D 2018	CHG	ClearPort Y.T.D 2019	ClearPort Y.T.D 2018	% CHG
Energy Futures																			
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 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%
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	0.0%
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	925	450	105.6%	0	0	0.0%	0	0	0.0%	5,449	9,636	-43.5%
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,240	400	210.0%
NGPL TEX/OK	PD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,576	22,836	-88.7%
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	0.0%
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	0.0%
NO 2 UP-DOWN SPREAD CALE	UT	0	0	0.0%	0	0	0	0	95	-100.0%	0	0	0.0%	0	0	0.0%	675	2,158	-68.7%
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	0.0%
NORTHEN NATURAL GAS VENT	PF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
NORTHERN ILLINOIS OFF-PEA	UO	-	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%	3,106	0	0.0%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	0	488	1,918	-74.6%	0	0	0.0%	0	0	0.0%	3,143	12,558	-75.0%
NY 2.2% FUEL OIL (PLATTS	Y3	-	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	0	200	-100.0%	0	0	0.0%	0	0	0.0%	775	1,200	-35.4%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0	0	25	0	0.0%	0	0	0.0%	0	0	0.0%	25	0	0.0%
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	4	12	-0.67	494	1,987	-75.1%	0	0	0.0%	8	58	-86.2%	15,471	10,357	49.4%
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	390	2,695	-85.5%
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	502	887	-43.4%	0	0	0.0%	0	0	0.0%	5,485	8,175	-32.9%
NY HARBOR RESIDUAL FUEL C	ML	0	-	-	0	-		0	-	-	0	-	-	0	-	-	0	-	-
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	0	360	-100.0%	0	0	0.0%	0	0	0.0%	2,235	7,307	-69.4%
NYISO A	KA	-	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%
NYISO CAPACITY	LHV	0	0	0.0%	0	0	0	0	78	-100.0%	0	0	0.0%	0	0	0.0%	240	246	-2.4%
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	0	58	-100.0%	0	0	0.0%	0	0	0.0%	0	465	-100.0%
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	0	18	-100.0%	0	0	0.0%	0	0	0.0%	60	215	-72.1%
NYISO G	KG	-	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%
NYISO J	KJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator		Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG
Energy Futures																			
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	0.0%
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	0.0%	0	0	0.0%
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	0.0%	0	0	0.0%
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%
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%
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	46,384	578,534	-92.0%
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	0	6,375	0	0.0%	0	0	0.0%	0	0	0.0%	8,174	18,284	-55.3%
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%	0	0	0.0%
NYISO ZONE J 5MW D AH PK	D3	0	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	0.0%
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%	1,450	0	0.0%
NY ULSD (ARGUS) VS HEATING	7Y	0	0	0.0%	0	0	0	77	79	-2.5%	0	0	0.0%	0	0	0.0%	1,495	213	601.9%
ONEOK OKLAHOMA NG BASIS	8X	0	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	OFD	0	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%
ONTARIO POWER SWAPS	OPD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	0	0.0%
PANHANDLE BASIS SWAP FUT	PH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	275	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	22	0	0	0.0%	0	0	0	179	176	1.7%	0	0	0.0%	0	0	0.0%	1,166	1,116	4.5%
PETROCHEMICALS	32	0	0	0.0%	0	0	0	132	64	106.3%	0	0	0.0%	0	0	0.0%	791	1,175	-32.7%
PETROCHEMICALS	3NA	0	-	-	0	-		2	-	-	0	-	-	0	-	-	49	-	-
PETROCHEMICALS	51	0	0	0.0%	0	0	0	60	0	0.0%	0	0	0.0%	0	0	0.0%	77	23	234.8%
PETROCHEMICALS	8I	0	0	0.0%	0	0	0	360	602	-40.2%	0	0	0.0%	0	0	0.0%	4,037	5,640	-28.4%
PETROCHEMICALS	91	0	0	0.0%	0	0	0	370	222	66.7%	0	0	0.0%	0	0	0.0%	3,207	2,944	8.9%
PETROCHEMICALS	HPE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROCHEMICALS	MAA	0	0	0.0%	0	0	0	30	0	0.0%	0	0	0.0%	0	0	0.0%	280	50	460.0%
PETROCHEMICALS	MAC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROCHEMICALS	MAE	0	0	0.0%	0	0	0	769	298	158.1%	0	0	0.0%	0	0	0.0%	2,339	1,378	69.7%
PETROCHEMICALS	MAS	0	0	0.0%	0	0	0	275	110	150.0%	0	0	0.0%	0	0	0.0%	1,486	761	95.3%
PETROCHEMICALS	MBE	0	0	0.0%	0	0	0	210	470	-55.3%	0	0	0.0%	0	0	0.0%	2,395	5,700	-58.0%
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	410	1,454	-71.8%	0	0	0.0%	0	0	0.0%	5,593	15,280	-63.4%
PETROCHEMICALS	MPS	0	0	0.0%	0	0	0	108	90	20.0%	0	0	0.0%	0	0	0.0%	1,583	770	105.6%

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## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

		Open	Open		ELEC			CME	CME		Open	Open		ELEC	ELEC		CME	CME	
Commodity		Outcry	Outcry	%	JUL	ELEC	%	ClearPort	ClearPort	%	Outcry	Outcry	%	Y.T.D	Y.T.D	%	ClearPort	ClearPort	%
Indicator		JUL	JUL	CHG	2019	JUL 2018	CHG	JUL 2019	JUL 2018	CHG	Y.T.D	Y.T.D	CHG	2019	2018	CHG	Y.T.D	Y.T.D	% CHG
		2019	2018								2019	2018					2019	2018	
<b>Energy Futures</b>																			
PETRO CRCKS & SPRDS ASIA	JNC	0	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 ASIA	STI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	0	0.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0	0	21	10	110.0%	0	0	0.0%	0	0	0.0%	232	509	-54.4%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	7,150	2,090	242.1%	0	0	0.0%	0	0	0.0%	46,665	9,220	406.1%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	2,021	2,247	-10.1%	0	0	0.0%	0	0	0.0%	20,181	20,730	-2.6%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	700	0	0.0%	0	0	0.0%	0	0	0.0%	3,220	5,375	-40.1%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	1,150	1,570	-26.8%	0	0	0.0%	0	0	0.0%	4,968	8,735	-43.1%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	0	1,740	-100.0%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	476	1,524	-68.8%	0	0	0.0%	0	0	0.0%	9,695	10,364	-6.5%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	142	-100.0%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	4,723	8,318	-43.2%	0	0	0.0%	0	0	0.0%	23,763	93,784	-74.7%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	100	40	150.0%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	110	60	83.3%	0	0	0.0%	0	0	0.0%	8,642	6,941	24.5%
PETRO CRCKS & SPRDS NA	KSD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	-	-	0	-		0	-	-	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	0.0%	0	50	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	75	0	0.0%	0	0	0.0%	0	0	0.0%	75	0	0.0%
PETRO CRCKS & SPRDS NA	NYH	-	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	0	2,182	3,616	-39.7%	0	0	0.0%	0	0	0.0%	57,544	38,419	49.8%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	11,810	12,057	-2.0%	0	0	0.0%	0	0	0.0%	102,118	123,897	-17.6%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	101	33	206.1%	0	0	0.0%	0	0	0.0%	694	321	116.2%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	739	2,134	-65.4%	0	0	0.0%	0	0	0.0%	9,433	13,498	-30.1%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	0	3	435	-99.3%	0	0	0.0%	0	0	0.0%	155	2,768	-94.4%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	0	0.0%
PETRO CRK&SPRD EURO	BOB	0	0	0.0%	0	0	0	105	1,217	-91.4%	0	0	0.0%	0	0	0.0%	3,107	13,320	-76.7%
PETRO CRK&SPRD EURO	EGB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	EGN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	0	8	9	-11.1%	0	0	0.0%	0	0	0.0%	23	188	-87.8%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	602	708	-15.0%	0	0	0.0%	0	0	0.0%	4,143	6,676	-37.9%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	728	2,249	-67.6%	0	0	0.0%	0	0	0.0%	3,064	16,461	-81.4%
PETRO CRK&SPRD EURO	FBT	0	-	-	0	-		0	-	-	0	-	-	0	-	-	60	-	-
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	30	-100.0%

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**NYMEX/COMEX Exchange Volume Comparison Report - Monthly**

		Open	Open		ELEC	ELEC	%	CME	CME	%	Open	Open	%	ELEC	ELEC	%	CME	CME	
Commodity		Outcry	Outcry		JUL	JUL		ClearPort	ClearPort		Outcry	Outcry		Y.T.D	Y.T.D		ClearPort	ClearPort	
Indicator		JUL	JUL	%	2019	2018	CHG	JUL 2019	JUL 2018	CHG	Y.T.D	Y.T.D	CHG	2019	2018	CHG	Y.T.D	Y.T.D	% CHG
		2019	2018								2019	2018					2019	2018	
<b>Energy Futures</b>																			
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0	0	135	0	0.0%	0	0	0.0%	0	0	0.0%	417	680	-38.7%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	84	-100.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	120	80	50.0%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	80	163	-50.9%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	58	132	-56.1%
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	0	255	1,488	-82.9%	0	0	0.0%	0	0	0.0%	3,180	11,545	-72.5%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	51	125	-59.2%
PETROLEUM PRODUCTS	1NM	0	-	-	0	-		110	-	-	0	-	-	0	-	-	643	-	-
PETROLEUM PRODUCTS	EWB	-	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	1,075	3,952	-72.8%	0	0	0.0%	0	0	0.0%	19,430	31,318	-38.0%
PETROLEUM PRODUCTS	JCC	0	-	-	0	-		0	-	-	0	-	-	0	-	-	20	-	-
PETROLEUM PRODUCTS	MBS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	MGS	-	0	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	0.0%	0	30	-100.0%
PETROLEUM PRODUCTS	MPE	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	R5F	0	-	-	0	-		9	-	-	0	-	-	0	-	-	9	-	-
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	0	50	116	-56.9%	0	0	0.0%	0	0	0.0%	235	1,044	-77.5%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	68	564	-87.9%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	0	1,731	1,308	32.3%	0	0	0.0%	0	0	0.0%	11,746	13,889	-15.4%
PETROLEUM PRODUCTS ASIA	MSB	-	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	10	20	-50.0%	0	0	0.0%	0	0	0.0%	168	84	100.0%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	0	0.0%
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	0	1,367	1,187	15.2%	0	0	0.0%	0	0	0.0%	9,952	9,745	2.1%
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	0	20	30	-33.3%	0	0	0.0%	0	0	0.0%	76	195	-61.0%
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	0	338	353	-4.2%	0	0	0.0%	0	0	0.0%	2,682	4,089	-34.4%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	0	6	-100.0%	0	0	0.0%	0	0	0.0%	5	21	-76.2%
PETRO OUTRIGHT EURO	33	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	5L	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	203	214	-5.1%
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	15	167	-91.0%
PETRO OUTRIGHT EURO	6L	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	7I	0	0	0.0%	0	0	0	50	120	-58.3%	0	0	0.0%	0	0	0.0%	644	582	10.7%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	0	44	236	-81.4%	0	0	0.0%	0	0	0.0%	1,125	2,142	-47.5%
PETRO OUTRIGHT EURO	88	0	0	0.0%	0	0	0	25	0	0.0%	0	0	0.0%	0	0	0.0%	25	105	-76.2%
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	55	-100.0%

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Commodity Indicator		Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG
Energy Futures																			
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	0	0.0%
PETRO OUTRIGHT EURO	CPB	0	0	0.0%	0	0	0	137	10	1,270.0%	0	0	0.0%	0	0	0.0%	1,777	3,009	-40.9%
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	116	101	14.9%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	31	0	0.0%
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	131	65	101.5%
PETRO OUTRIGHT EURO	ESB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	EWN	0	0	0.0%	0	0	0	208	665	-68.7%	0	0	0.0%	0	0	0.0%	3,827	4,847	-21.0%
PETRO OUTRIGHT EURO	FBD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	FLB	0	-	-	0	-		0	-	-	0	-	-	0	-	-	6	-	-
PETRO OUTRIGHT EURO	GES	0	-	-	0	-		0	-	-	0	-	-	0	-	-	0	-	-
PETRO OUTRIGHT EURO	H5G	0	-	-	0	-		60	-	-	0	-	-	0	-	-	120	-	-
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	0	171	-100.0%
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	0	240	250	-4.0%	0	0	0.0%	0	0	0.0%	2,302	7,969	-71.1%
PETRO OUTRIGHT EURO	MEF	0	-	-	0	-		227	-	-	0	-	-	0	-	-	2,398	-	-
PETRO OUTRIGHT EURO	R53	0	-	-	0	-		6	-	-	0	-	-	0	-	-	54	-	-
PETRO OUTRIGHT EURO	R5M	0	-	-	0	-		71	-	-	0	-	-	0	-	-	514	-	-
PETRO OUTRIGHT EURO	R5O	0	-	-	0	-		5	-	-	0	-	-	0	-	-	136	-	-
PETRO OUTRIGHT EURO	S5M	0	-	-	0	-		126	-	-	0	-	-	0	-	-	230	-	-
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	500	0	0.0%	0	0	0.0%	0	0	0.0%	625	328	90.5%
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	9	-100.0%
PETRO OUTRIGHT EURO	T2B	0	-	-	0	-		0	-	-	0	-	-	0	-	-	15	-	-
PETRO OUTRIGHT EURO	ULB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	980	-100.0%
PETRO OUTRIGHT EURO	X0	0	-	-	0	-		0	-	-	0	-	-	0	-	-	0	-	-
PETRO OUTRIGHT NA	FCB	0	0	0.0%	0	0	0	230	57	303.5%	0	0	0.0%	0	0	0.0%	426	560	-23.9%
PETRO OUTRIGHT NA	FOM	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 NA	JE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	69	-13.0%
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	0	2,425	1,650	47.0%	0	0	0.0%	0	0	0.0%	18,080	14,880	21.5%
PETRO OUTRIGHT NA	JTB	0	0	0.0%	0	0	0	950	625	52.0%	0	0	0.0%	0	0	0.0%	5,275	3,710	42.2%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	40	-100.0%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	0	68	517	-86.8%	0	0	0.0%	0	0	0.0%	1,316	2,933	-55.1%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	0	3,269	3,618	-9.6%	0	0	0.0%	0	0	0.0%	18,933	27,560	-31.3%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	295	100	195.0%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	0	65	0	0.0%	0	0	0.0%	0	0	0.0%	672	55	1,121.8%

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**NYMEX/COMEX Exchange Volume Comparison Report - Monthly**

		Open	Open		ELEC			CME	CME		Open	Open		ELEC	ELEC		CME	CME	
Commodity	Indicator	Outcry	Outcry	%	JUL	JUL	%	ClearPort	ClearPort	%	Outcry	Outcry	%	Y.T.D	Y.T.D	%	ClearPort	ClearPort	%
		JUL	JUL	CHG	2019	2018	CHG	JUL 2019	JUL 2018	CHG	Y.T.D	Y.T.D	CHG	2019	2018	CHG	Y.T.D	Y.T.D	CHG
Energy Futures																			
PETRO OUTRIGHT NA	NYT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	XER	0	-	-	0	-		0	-	-	0	-	-	0	-	-	0	-	-
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	117,180	28,032	318.0%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	0	5,140	-100.0%	0	0	0.0%	0	0	0.0%	2,560	12,653	-79.8%
PJM AECO DA OFF-PEAK	X1	-	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%
PJM APS ZONE DA OFF-PEAK	W4	-	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%
PJM ATSI ELEC	MOD	0	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	MPD	0	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 OFF-PEAK	R3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
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	0.0%
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%	0	0	0.0%
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%	0	0	0.0%
PJM DAILY	JD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
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%	0	0	0.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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%
PJM JCPL DA PEAK	J2	-	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	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,285	5,100	-74.8%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	23,360	0	0.0%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	22	-100.0%
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	0.0%
PJM PECO ZONE5MW PEAK CA	4N	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%
PJM PPL DA PEAK	L5	-	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%	0	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	0.0%	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	0.0%	0	78,410	-100.0%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,250	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	47,100	294,000	-84.0%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	0	514	3,830	-86.6%	0	0	0.0%	0	0	0.0%	47,090	43,179	9.1%
PLASTICS	PGP	0	0	0.0%	0	0	0	620	90	588.9%	0	0	0.0%	0	0	0.0%	5,180	2,544	103.6%

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Energy Futures																				
	PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	33	326	-89.9%	0	0	0.0%	0	0	0.0%	773	1,859	-58.4%
	PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	15	31	-51.6%	0	0	0.0%	0	0	0.0%	33	355	-90.7%
	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%	20	80	-75.0%
	PREM UNL GAS 10PPM RDAM F	7L	0	0	0.0%	0	0	0	0	6	-100.0%	0	0	0.0%	0	0	0.0%	30	70	-57.1%
	PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	1,343	510	163.3%	0	0	0.0%	0	0	0.0%	11,074	3,691	200.0%
	PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	30,094	8,600	249.9%	0	0	0.0%	0	0	0.0%	134,764	81,132	66.1%
	RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	4,083	10,131	-59.7%	0	0	0.0%	0	0	0.0%	44,169	39,992	10.4%
	RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	560	960	-41.7%	0	0	0.0%	0	0	0.0%	8,725	9,153	-4.7%
	RBOB CRACK SPREAD BALMO	1E	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	25	0	0.0%
	RBOB GASOLINE BALMO CLND	1D	0	0	0.0%	0	0	0	821	374	119.5%	0	0	0.0%	0	0	0.0%	7,044	8,167	-13.8%
	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 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 VS HEATING OIL SWAP	RH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	75	1,975	-96.2%
	SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0	0	0	27	-100.0%	0	0	0.0%	0	0	0.0%	0	58	-100.0%
	SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	360	-100.0%
	SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	0	15	55	-72.7%	0	0	0.0%	0	0	0.0%	93	390	-76.2%
	SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	343	323	6.2%	0	0	0.0%	0	0	0.0%	593	1,526	-61.1%
	SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	2,649	7,996	-66.9%	0	0	0.0%	0	0	0.0%	21,903	61,763	-64.5%
	SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	267	812	-67.1%	0	0	0.0%	0	0	0.0%	2,047	6,654	-69.2%
	SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	75	140	-46.4%	0	0	0.0%	0	0	0.0%	435	5,451	-92.0%
	SINGAPORE GASOIL	MAF	0	-	-	0	-		2,442	-	-	0	-	-	0	-	-	12,689	-	-
	SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	25	46	-45.7%	0	0	0.0%	0	0	0.0%	329	425	-22.6%
	SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	4,657	4,697	-0.9%	0	0	0.0%	0	0	0.0%	26,397	33,982	-22.3%
	SINGAPORE GASOIL	STZ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,300	-100.0%
	SINGAPORE GASOIL CALEND	GDH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
	SINGAPORE GASOIL CALEND	GDL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	250	-100.0%
	SINGAPORE GASOIL CALEND	GHS	0	0	0.0%	0	0	0	270	0	0.0%	0	0	0.0%	0	0	0.0%	270	0	0.0%
	SINGAPORE GASOIL CALEND	MGO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	200	-100.0%
	SINGAPORE GASOIL CALEND	MSG	0	0	0.0%	0	0	0	257	0	0.0%	0	0	0.0%	0	0	0.0%	1,225	4,199	-70.8%
	SINGAPORE GASOIL CALEND	SGG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	325	-100.0%
	SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	0	0	908	2,400	-62.2%	0	0	0.0%	0	2	-100.0%	7,496	29,101	-74.2%
	SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	150	8,381	-98.2%	0	0	0.0%	0	0	0.0%	4,490	101,441	-95.6%
	SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	215	-100.0%
	SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	0	4,000	-100.0%	0	0	0.0%	0	0	0.0%	100	28,845	-99.7%

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Energy Futures																			
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	425	75	466.7%	0	0	0.0%	0	0	0.0%	4,290	7,065	-39.3%
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	25	-100.0%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	50	620	-91.9%	0	0	0.0%	0	0	0.0%	1,475	3,183	-53.7%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	0	5,867	11,300	-48.1%	0	0	0.0%	0	2	-100.0%	81,691	101,538	-19.5%
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	200	-100.0%
SING FUEL	MSD	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	0	95	-100.0%
SOCAL PIPE SWAP	XN	-	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%
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%	0	91	-100.0%
SUMAS NAT GAS PLATTS FIXE	DVS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	0.0%	0	0	0	546	0	0.0%	0	0	0.0%	0	0	0.0%	1,970	548	259.5%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	530	0	0.0%	0	0	0.0%	0	0	0.0%	2,481	240	933.8%
TCO BASIS SWAP	TC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
TCO NG INDEX SWAP	Q1	-	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	6,760	1,650	309.7%	0	0	0.0%	0	0	0.0%	34,981	6,620	428.4%
TENNESSEE 500 LEG BASIS S	NM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TENNESSEE 800 LEG NG BASI	6Z	-	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	0	0.0%
TETCO M-3 INDEX	IX	-	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	0	0.0%
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	0	0.0%
TRANSCO ZONE 3 NG INDEX S	Y6	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TRANSCO ZONE4 BASIS SWAP	TR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 4 NAT GAS IN	B2	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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%	0	0	0.0%
TRANSCO ZONE 6 INDEX	IT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
UCM FUT	UCM	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	20	60	-66.7%
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	0.0%	150	6,192	-0.98	0	150	-100.0%	0	0	0.0%	3,299	39,226	-91.6%	0	150	-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%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	14	-100.0%
ULSD 10PPM CIF NW BALMO S	B1	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%

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Energy Futures																			
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	0	5,070	4,080	24.3%	0	0	0.0%	0	0	0.0%	37,615	35,525	5.9%
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	27,797	24,917	11.6%	0	0	0.0%	0	0	0.0%	201,791	220,657	-8.5%
WAHA BASIS	NW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	650	3,201	-79.7%
WAHA INDEX SWAP FUTURE	IY	-	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	10	-100.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	550	0	0.0%	0	0	0.0%	0	0	0.0%	1,414	6,650	-78.7%
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	3	-1	36,248	24,684	46.8%	0	0	0.0%	0	6	-100.0%	256,227	236,508	8.3%
WTI CALENDAR	CS	0	0	0.0%	0	0	0	36,849	23,613	56.1%	0	0	0.0%	0	0	0.0%	297,566	228,619	30.2%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	3,750	6,662	-43.7%	0	0	0.0%	0	0	0.0%	34,672	54,919	-36.9%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	0	1,620	-100.0%	0	0	0.0%	0	0	0.0%	4,933	3,570	38.2%
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%
BRENT 1 MONTH CAL	AA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,000	-100.0%
BRENT CALENDAR SWAP	BA	0	0	0.0%	0	0	0	0	440	-100.0%	0	0	0.0%	0	0	0.0%	3,030	4,745	-36.1%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,000	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	0	0	0.0%	0	500	-1	2,540	2,300	10.4%	0	0	0.0%	1,800	2,900	-37.9%	33,390	371,438	-91.0%
BRENT CRUDE OIL 6 M CSO	9L	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,000	-100.0%
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	0	24,460	73,346	-66.7%	0	0	0.0%	0	0	0.0%	297,279	248,409	19.7%
BRENT OIL LAST DAY	BZO	0	0	0.0%	41,378	114,122	-0.64	33,560	62,600	-46.4%	0	0	0.0%	455,867	406,855	12.0%	248,682	514,072	-51.6%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	90	-100.0%	0	1,000	-100.0%
COAL API2 INDEX	CLA	0	0	0.0%	0	0	0	50	680	-92.6%	0	0	0.0%	0	0	0.0%	210	4,905	-95.7%
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	150	425	-64.7%	0	0	0.0%	0	0	0.0%	660	3,305	-80.0%
COAL API2 INDEX	MTC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
COAL API4 INDEX	RLA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	25	-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	60	-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	0	0.0%
COAL SWAP	RPF	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	6Y	0	-	-	0	-		0	-	-	0	-	-	0	-	-	150	-	-
CRUDE OIL 1MO	WA	0	0	0.0%	4,300	12,200	-0.65	246,625	228,700	7.8%	0	0	0.0%	48,461	107,260	-54.8%	1,603,875	1,495,750	7.2%
CRUDE OIL APO	AO	0	0	0.0%	0	0	0	36,148	13,742	163.0%	0	0	0.0%	3	331	-99.1%	345,186	339,434	1.7%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	170	17.6%

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### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator		Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG
Energy Options																			
CRUDE OIL OUTRIGHTS	AH	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	DBP	-	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%	960	0	0.0%
CRUDE OIL PHY	CD	0	0	0.0%	0	0	0	0	175	-100.0%	0	0	0.0%	0	0	0.0%	1,150	17,800	-93.5%
CRUDE OIL PHY	LC	0	0	0.0%	0	0	0	9,315	1,799	417.8%	0	0	0.0%	40	724	-94.5%	74,563	66,430	12.2%
CRUDE OIL PHY	LO	0	0	0.0%	2,165,381	2,502,074	-0.13	353,699	539,058	-34.4%	0	0	0.0%	15,997,951	20,632,363	-22.5%	2,814,897	4,603,193	-38.8%
CRUDE OIL PHY	LO1	0	0	0.0%	15,020	16,623	-0.1	200	0	0.0%	0	0	0.0%	111,739	97,073	15.1%	725	75	866.7%
CRUDE OIL PHY	LO2	0	0	0.0%	12,349	15,483	-0.2	100	0	0.0%	0	0	0.0%	107,114	107,091	0.0%	200	250	-20.0%
CRUDE OIL PHY	LO3	0	0	0.0%	12,436	13,568	-0.08	0	0	0.0%	0	0	0.0%	67,455	70,319	-4.1%	400	325	23.1%
CRUDE OIL PHY	LO4	0	0	0.0%	12,559	12,220	0.03	0	0	0.0%	0	0	0.0%	114,517	106,744	7.3%	0	50	-100.0%
CRUDE OIL PHY	LO5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	37,864	34,689	9.2%	400	225	77.8%
ELEC MISO PEAK	9T	-	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%	0	275	-100.0%
ETHANOL	CE3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	150	-100.0%
ETHANOL SWAP	CVR	0	0	0.0%	0	0	0	15,793	3,470	355.1%	0	0	0.0%	0	0	0.0%	68,388	54,505	25.5%
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	780	2,193	-64.4%
EUROPEAN JET KEROSENE N	30	-	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%
HEATING OIL CRACK OPTIONS	CH	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HEATING OIL CRK SPD AVG PR	3W	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HEATING OIL PHY	LB	0	0	0.0%	0	0	0	390	10	3,800.0%	0	0	0.0%	2	0	0.0%	1,400	750	86.7%
HEATING OIL PHY	OH	0	0	0.0%	3,438	2,120	0.62	21,955	26,068	-15.8%	0	0	0.0%	29,810	39,927	-25.3%	173,986	175,782	-1.0%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	0	4,100	6,477	-36.7%	0	0	0.0%	0	5	-100.0%	46,023	27,243	68.9%
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%	2,150	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%	0	100	-100.0%
LLS CRUDE OIL	YVO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MCCLOSKY ARA ARGS COAL	MTO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	130	255	-49.0%
MCCLOSKY RCH BAY COAL	MFO	0	0	0.0%	0	0	0	200	30	566.7%	0	0	0.0%	0	0	0.0%	870	1,905	-54.3%
NATURAL GAS	G10	-	0	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%	700	987	-0.29	81,350	17,050	377.1%	0	0	0.0%	3,570	1,141	212.9%	285,755	254,541	12.3%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	1,250	200	525.0%	0	0	0.0%	0	0	0.0%	3,625	1,200	202.1%
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	34,650	3,150	1,000.0%	0	0	0.0%	0	1	-100.0%	119,000	38,045	212.8%
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%	1,100	2,550	-56.9%
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	0	1,800	1,600	12.5%	0	0	0.0%	0	0	0.0%	35,525	69,250	-48.7%

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## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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Energy Options																			
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	0	6,260	1,800	247.8%	0	0	0.0%	0	0	0.0%	15,360	21,308	-27.9%
NATURAL GAS PHY	KD	0	0	0.0%	1,236	5,759	-0.79	1,975	4,990	-60.4%	0	0	0.0%	3,246	91,545	-96.5%	13,600	58,035	-76.6%
NATURAL GAS PHY	LN	0	0	0.0%	924,666	670,354	0.38	611,166	510,197	19.8%	0	0	0.0%	5,391,163	7,181,141	-24.9%	4,636,612	4,959,740	-6.5%
NATURAL GAS PHY	ON	0	0	0.0%	127,860	124,033	0.03	1,800	12,476	-85.6%	0	0	0.0%	843,894	1,137,441	-25.8%	28,454	69,899	-59.3%
NATURAL GAS WINTER STRIP	6I	0	-	-	0	-		0	-	-	0	-	-	0	-	-	1,300	-	-
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	0	960	112	757.1%	0	0	0.0%	0	0	0.0%	3,078	1,072	187.1%
NY HARBOR HEAT OIL SWP	AT	0	0	0.0%	45	67	-0.33	417	934	-55.4%	0	0	0.0%	297	410	-27.6%	15,187	17,778	-14.6%
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	0	0.0%
NYMEX EUROPEAN GASOIL AP	F7	-	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	0	0.0%
PETROCHEMICALS	4H	0	0	0.0%	6	0	0	32	475	-93.3%	0	0	0.0%	17	20	-15.0%	4,596	3,621	26.9%
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	1,350	-85.2%
PETROCHEMICALS	4K	0	0	0.0%	0	0	0	0	1,900	-100.0%	0	0	0.0%	0	0	0.0%	160	2,100	-92.4%
PETROCHEMICALS	CPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	40	0	0.0%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	BCO	0	-	-	0	-		0	-	-	0	-	-	0	-	-	24	-	-
PETRO OUTRIGHT NA	DAP	0	0	0.0%	0	0	0	120	0	0.0%	0	0	0.0%	0	0	0.0%	240	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	640	310	106.5%
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	880	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	0	0.0%	0	0	0	0	92	-100.0%	0	0	0.0%	0	0	0.0%	836	6,414	-87.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	700	-78.6%
RBOB CALENDAR SWAP	RA	0	0	0.0%	0	0	0	120	0	0.0%	0	0	0.0%	0	0	0.0%	381	965	-60.5%
RBOB CRACK	RX	0	-	-	0	-		0	-	-	0	-	-	0	-	-	0	-	-
RBOB PHY	OB	0	0	0.0%	4,235	1,458	1.9	7,365	7,392	-0.4%	0	0	0.0%	26,336	27,175	-3.1%	88,445	56,312	57.1%
RBOB PHY	RF	0	0	0.0%	0	0	0	600	0	0.0%	0	0	0.0%	6	0	0.0%	1,618	125	1,194.4%
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	604	336	79.8%	0	0	0.0%	0	0	0.0%	1,878	1,758	6.8%
SHORT TERM	C15	0	-	-	0	-		0	-	-	0	-	-	0	-	-	0	-	-
SHORT TERM	U11	0	0	0.0%	0	110	-1	450	100	350.0%	0	0	0.0%	0	111	-100.0%	700	1,125	-37.8%
SHORT TERM	U12	0	0	0.0%	0	0	0	100	250	-60.0%	0	0	0.0%	0	85	-100.0%	800	750	6.7%
SHORT TERM	U13	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	100	50.0%
SHORT TERM	U14	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	13	-100.0%	50	800	-93.8%
SHORT TERM	U15	0	0	0.0%	0	0	0	350	0	0.0%	0	0	0.0%	25	127	-80.3%	1,150	650	76.9%
SHORT TERM	U22	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	1	66	-98.5%	0	1,125	-100.0%

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<b>Energy Options</b>																			
SHORT TERM	U23	0	0	0.0%	0	15	-1	0	0	0.0%	0	0	0.0%	17	95	-82.1%	0	500	-100.0%
SHORT TERM	U24	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	126	-100.0%	250	300	-16.7%
SHORT TERM	U25	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	2	-100.0%	0	100	-100.0%
SHORT TERM	U26	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	25	0	0.0%	500	350	42.9%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	95	-100.0%	0	1,350	-100.0%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	20	-1	200	550	-63.6%	0	0	0.0%	4	50	-92.0%	600	1,275	-52.9%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	25	-100.0%	600	925	-35.1%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	80	-100.0%	200	730	-72.6%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	0	0	225	-100.0%	0	0	0.0%	5	50	-90.0%	400	825	-51.5%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	1	-100.0%	600	1,600	-62.5%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	600	1,375	-56.4%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	0	150	800	-81.3%	0	0	0.0%	0	34	-100.0%	250	1,500	-83.3%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	250	250	0.0%	0	0	0.0%	0	0	0.0%	250	950	-73.7%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	103	-1	100	0	0.0%	0	0	0.0%	0	150	-100.0%	200	550	-63.6%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	13	-1	150	0	0.0%	0	0	0.0%	0	93	-100.0%	150	2,200	-93.2%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	25	22	13.6%	100	1,350	-92.6%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	38	-1	0	0	0.0%	0	0	0.0%	0	98	-100.0%	0	125	-100.0%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	10	-1	0	200	-100.0%	0	0	0.0%	0	10	-100.0%	300	500	-40.0%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	3	-100.0%	50	350	-85.7%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	400	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	25	0	0.0%	400	100	300.0%
SHORT TERM NATURAL GAS	U29	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	10	-100.0%	0	450	-100.0%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	100	100.0%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0	0	350	0	0.0%	0	0	0.0%	0	25	-100.0%	1,200	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%
WTI-BRENT BULLET SWAP	BV	0	0	0.0%	1,400	1,250	0.12	28,100	33,815	-16.9%	0	0	0.0%	29,205	136,511	-78.6%	316,875	583,256	-45.7%
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	0	800	-1	20,030	52,750	-62.0%	0	0	0.0%	8,600	14,550	-40.9%	376,695	534,050	-29.5%

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**NYMEX/COMEX Exchange Volume Comparison Report - Monthly**

Commodity Indicator		Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG
<b>Metals Futures</b>																			
COMEX GOLD	GC	0	0	0.0%	9,212,412	6,989,474	0.32	277,932	241,695	15.0%	0	0	0.0%	44,513,787	49,728,173	-10.5%	1,492,072	1,850,117	-19.4%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	1,946	4,137	-0.53	11,769	6,724	75.0%	0	0	0.0%	26,202	22,910	14.4%	99,136	43,900	125.8%
NYMEX PLATINUM	PL	0	0	0.0%	431,123	386,681	0.11	13,065	6,836	91.1%	0	0	0.0%	3,112,772	3,131,234	-0.6%	118,171	84,478	39.9%
PALLADIUM	PA	0	0	0.0%	76,857	93,629	-0.18	2,795	4,982	-43.9%	0	0	0.0%	724,914	794,777	-8.8%	23,287	34,458	-32.4%
URANIUM	UX	0	0	0.0%	0	21	-1	300	500	-40.0%	0	0	0.0%	395	131	201.5%	8,989	1,833	390.4%
COMEX SILVER	SI	0	0	0.0%	2,042,399	1,546,660	0.32	44,574	35,746	24.7%	0	0	0.0%	12,542,872	14,156,233	-11.4%	320,244	425,104	-24.7%
COMEX E-Mini GOLD	QO	0	0	0.0%	31,114	11,516	1.7	0	0	0.0%	0	0	0.0%	99,382	52,196	90.4%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	4,349	1,123	2.87	0	0	0.0%	0	0	0.0%	26,372	8,566	207.9%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	1,864,597	2,807,297	-0.34	11,060	25,898	-57.3%	0	0	0.0%	14,540,830	20,174,838	-27.9%	123,253	204,429	-39.7%
COMEX MINY COPPER	QC	0	0	0.0%	703	360	0.95	0	0	0.0%	0	0	0.0%	4,612	3,540	30.3%	0	0	0.0%
ALUMINUM	A38	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	22	0	0.0%
ALUMINUM	AEP	0	0	0.0%	0	0	0	2,065	710	190.8%	0	0	0.0%	55	0	0.0%	11,075	11,510	-3.8%
ALUMINUM	ALA	0	0	0.0%	0	0	0	0	965	-100.0%	0	0	0.0%	0	0	0.0%	240	4,965	-95.2%
ALUMINUM	ALI	0	0	0.0%	350	0	0	0	0	0.0%	0	0	0.0%	350	0	0.0%	0	0	0.0%
ALUMINUM	AUP	0	0	0.0%	211	964	-0.78	6,843	4,237	61.5%	0	0	0.0%	4,091	5,486	-25.4%	37,580	65,828	-42.9%
ALUMINUM	CUP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	25	-100.0%	0	180	-100.0%
ALUMINUM	EDP	0	0	0.0%	0	12	-1	3,840	1,578	143.3%	0	0	0.0%	72	17	323.5%	14,782	10,230	44.5%
ALUMINUM	MJP	0	0	0.0%	0	0	0	2,680	520	415.4%	0	0	0.0%	0	76	-100.0%	6,880	8,299	-17.1%
COPPER	HGS	0	0	0.0%	0	0	0	127	0	0.0%	0	0	0.0%	0	0	0.0%	5,871	10,639	-44.8%
E-MICRO GOLD	MGC	0	0	0.0%	608,677	126,651	3.81	0	0	0.0%	0	0	0.0%	2,077,415	906,697	129.1%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	313	9	33.78	355	735	-51.7%	0	0	0.0%	4,062	111	3,559.5%	4,273	11,088	-61.5%
GOLD	GPS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Gold Kilo	GCK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	136	-100.0%	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	0	0.0%
IRON ORE 62 CHINA TSI FUTUR	TIO	0	0	0.0%	0	38	-1	3,835	4,804	-20.2%	0	0	0.0%	28	117	-76.1%	42,596	27,254	56.3%
LNDN ZINC	ZNC	0	0	0.0%	0	1,538	-1	0	0	0.0%	0	0	0.0%	1,230	2,831	-56.6%	0	0	0.0%
SILVER	SIL	0	0	0.0%	23,306	6,645	2.51	0	0	0.0%	0	0	0.0%	118,812	51,187	132.1%	0	0	0.0%

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Metals Options																			
COMEX COPPER	HX	0	0	0.0%	45,032	24,105	0.87	4,505	11,035	-59.2%	0	0	0.0%	302,252	121,363	149.0%	121,101	50,514	139.7%
COMEX GOLD	OG	0	0	0.0%	1,137,230	748,184	0.52	409,299	178,735	129.0%	0	0	0.0%	6,560,167	5,327,032	23.1%	1,835,957	1,374,966	33.5%
COMEX SILVER	SO	0	0	0.0%	218,369	114,859	0.9	31,391	29,120	7.8%	0	0	0.0%	907,301	908,962	-0.2%	143,111	159,206	-10.1%
COPPER	H1E	0	0	0.0%	24	13	0.85	0	0	0.0%	0	0	0.0%	156	13	1,100.0%	0	0	0.0%
COPPER	H2E	0	0	0.0%	87	47	0.85	0	0	0.0%	0	0	0.0%	405	54	650.0%	0	0	0.0%
COPPER	H3E	0	0	0.0%	10	0	0	0	0	0.0%	0	0	0.0%	89	5	1,680.0%	0	0	0.0%
COPPER	H4E	0	0	0.0%	10	80	-0.88	0	0	0.0%	0	0	0.0%	105	116	-9.5%	0	0	0.0%
COPPER	H5E	0	-	-	0	-		0	-	-	0	-	-	20	-	-	0	-	-
GOLD	OG1	0	0	0.0%	67,361	15,397	3.37	6,050	0	0.0%	0	0	0.0%	248,146	73,355	238.3%	18,530	1,460	1,169.2%
GOLD	OG2	0	0	0.0%	42,236	12,973	2.26	6,352	0	0.0%	0	0	0.0%	200,294	60,175	232.9%	16,052	3,120	414.5%
GOLD	OG3	0	0	0.0%	40,019	14,126	1.83	2,250	0	0.0%	0	0	0.0%	156,244	71,310	119.1%	7,804	3,750	108.1%
GOLD	OG4	0	0	0.0%	16,800	7,159	1.35	400	0	0.0%	0	0	0.0%	113,231	41,416	173.4%	5,000	1,250	300.0%
GOLD	OG5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	26,713	15,375	73.7%	1,950	0	0.0%
HOT ROLLED COIL STEEL CALL	HRO	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	0	0	0.0%	900	0	0.0%
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%	6,660	200	3,230.0%
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%	3,600	1,280	181.3%
NYMEX PLATINUM	PO	0	0	0.0%	919	3,646	-0.75	230	3,110	-92.6%	0	0	0.0%	9,286	12,565	-26.1%	15,781	15,801	-0.1%
PALLADIUM	PAO	0	0	0.0%	279	1,080	-0.74	190	975	-80.5%	0	0	0.0%	4,430	11,390	-61.1%	4,374	9,832	-55.5%
SILVER	SO1	0	0	0.0%	2,428	1,139	1.13	0	0	0.0%	0	0	0.0%	9,887	2,345	321.6%	725	0	0.0%
SILVER	SO2	0	0	0.0%	1,098	581	0.89	850	0	0.0%	0	0	0.0%	6,601	1,793	268.2%	1,050	0	0.0%
SILVER	SO3	0	0	0.0%	860	1,507	-0.43	0	0	0.0%	0	0	0.0%	7,193	3,274	119.7%	100	0	0.0%
SILVER	SO4	0	0	0.0%	459	274	0.68	0	0	0.0%	0	0	0.0%	3,684	1,250	194.7%	0	0	0.0%
SILVER	SO5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	1,867	1,181	58.1%	0	0	0.0%
TOTAL FUTURES GROUP																			
Ag Products Futures		0	0	0.0%	14	0	0.0%	0	0	0.0%	0	0	0.0%	47	65	-27.7%	0	0	0.0%
Energy Futures		0	0	0.0%	40,957,870	38,726,956	5.8%	2,173,130	2,108,899	3.0%	0	0	0.0%	294,570,223	317,963,301	-7.4%	18,000,459	19,429,270	-7.4%
Metals Futures		0	0	0.0%	14,298,357	11,976,755	19.4%	381,240	335,930	13.5%	0	0	0.0%	77,798,253	89,039,281	-12.6%	2,308,471	2,794,312	-17.4%
TOTAL FUTURES		0	0	0.0%	55,256,241	50,703,711	9.0%	2,554,370	2,444,829	4.5%	0	0	0.0%	372,368,523	407,002,647	-8.5%	20,308,930	22,223,582	-8.6%

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TOTAL OPTIONS GROUP																		
Energy Options	0	0	0.0%	3,327,009	3,493,927	-4.8%	1,550,384	1,611,084	-3.8%	0	0	0.0%	23,279,084	30,197,677	-22.9%	11,680,758	14,648,833	-20.3%
Metals Options	0	0	0.0%	1,573,221	945,170	66.4%	461,817	222,975	107.1%	0	0	0.0%	8,558,071	6,652,974	28.6%	2,182,695	1,621,379	34.6%
TOTAL OPTIONS	0	0	0.0%	4,900,230	4,439,097	10.4%	2,012,201	1,834,059	9.7%	0	0	0.0%	31,837,155	36,850,651	-13.6%	13,863,453	16,270,212	-14.8%
TOTAL COMBINED																		
Ag Products	0	0	0.0%	14	0	0.0%	0	0	0.0%	0	0	0.0%	47	65	-27.7%	0	0	0.0%
Energy	0	0	0.0%	44,284,879	42,220,883	4.9%	3,723,514	3,719,983	0.1%	0	0	0.0%	317,849,307	348,160,978	-8.7%	29,681,217	34,078,103	-12.9%
Metals	0	0	0.0%	15,871,578	12,921,925	22.8%	843,057	558,905	50.8%	0	0	0.0%	86,356,324	95,692,255	-9.8%	4,491,166	4,415,691	1.7%
GRAND TOTAL	0	0	0.0%	60,156,471	55,142,808	9.1%	4,566,571	4,278,888	6.7%	0	0	0.0%	404,205,678	443,853,298	-8.9%	34,172,383	38,493,794	-11.2%