

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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																			
COCOA TAS	CJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	8	5	60.0%	0	0	0.0%	
COFFEE	KT	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
COTTON	TT	0	0	0.0%	1	2	-0.5	0	0.0%	0	0	0.0%	30	4	650.0%	0	0	0.0%	
SUGAR 11	YO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	10	58	-82.8%	0	0	0.0%	
Energy Futures																			
CRUDE OIL PHY	CL	0	0	0.0%	27,444,266	19,206,267	0.43	457,472	454,789	0.6%	0	0	0.0%	199,027,114	206,790,064	-3.8%	3,776,219	3,723,677	1.4%
CRUDE OIL	WS	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	89	-100.0%	16,694	15,550	7.4%	
MINY WTI CRUDE OIL	QM	0	0	0.0%	530,406	310,323	0.71	0	0	0.0%	0	0	0.0%	3,739,038	2,690,332	39.0%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	2,241,059	1,191,765	0.88	22,718	19,239	18.1%	0	0	0.0%	16,978,503	13,765,350	23.3%	405,985	295,895	37.2%
HEATING OIL PHY	HO	0	0	0.0%	3,187,525	3,376,550	-0.06	191,609	189,498	1.1%	0	0	0.0%	24,901,004	29,606,828	-15.9%	1,795,706	1,509,035	19.0%
HTG OIL	BH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	96	84	14.3%	
MINY HTG OIL	QH	0	0	0.0%	3	7	-0.57	0	0	0.0%	0	0	0.0%	26	29	-10.3%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	3,465,573	4,633,674	-0.25	198,250	225,247	-12.0%	0	0	0.0%	32,849,575	31,966,847	2.8%	2,034,583	1,761,321	15.5%
MINY RBOB GAS	QU	0	0	0.0%	13	5	1.6	0	0	0.0%	0	0	0.0%	56	28	100.0%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	27,402	23,549	0.16	82,623	47,828	72.8%	0	0	0.0%	298,569	365,804	-18.4%	577,835	524,232	10.2%
LTD NAT GAS	HH	0	0	0.0%	108,673	158,535	-0.31	112,000	154,189	-27.4%	0	0	0.0%	1,233,730	1,621,630	-23.9%	1,185,380	1,080,071	9.8%
MINY NATURAL GAS	QG	0	0	0.0%	34,885	17,133	1.04	0	0	0.0%	0	0	0.0%	226,069	203,119	11.3%	0	36	-100.0%
PJM MONTHLY	JM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NATURAL GAS PHY	NG	0	0	0.0%	9,054,319	8,237,496	0.1	228,938	224,498	2.0%	0	0	0.0%	61,225,216	67,980,414	-9.9%	2,006,997	2,164,576	-7.3%
RBOB GAS	RT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	72	14,374	-99.5%	
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	16	60	-73.3%	0	0	0.0%	0	0	0.0%	97	512	-81.1%
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%	20	95	-78.9%	
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%	
AEP-DAYTON HUB MTHLY	VM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
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%	
ALGON CITY GATES NAT GAS	N7	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	0	0	0.0%	-	0	0.0%
ALGONQUIN CITYGATES BASIS	B4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ANR LOUISIANA BASIS SWAP	ND	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	0	0	0.0%	-	0	0.0%
ANR OKLAHOMA	NE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ARGUS LLS VS. WTI (ARG) T	E5	0	0	0.0%	0	0	0	720	15,010	-95.2%	0	0	0.0%	0	30	-100.0%	73,466	187,081	-60.7%

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Energy Futures																			
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	6,872	5,486	25.3%	0	0	0.0%	0	0	0.0%	49,853	45,787	8.9%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	3,559	3,403	4.6%	0	0	0.0%	0	0	0.0%	23,463	20,554	14.2%
AUSTRIALIAN COKE COAL	ACT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0	0	352	0	0.0%	0	0	0.0%	0	0	0.0%	1,315	185	610.8%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	9,902	2,997	230.4%	0	0	0.0%	0	0	0.0%	58,186	27,989	107.9%
BRENT CFD SWAP	6W	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	0	1,000	-100.0%	0	0	0.0%	0	0	0.0%	7,000	14,264	-50.9%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0	0	450	0	0.0%	0	0	0.0%	0	0	0.0%	769	127	505.5%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	224	-100.0%
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	BZS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 MW P	9X	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CAISO SP15 EZGNHUB5 PEAK	9Z	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CANADIAN LIGHT SWEET OIL	CIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CENTERPOINT BASIS SWAP	PW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	36	-100.0%
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	35	56	-0.38	91,926	111,575	-17.6%	0	0	0.0%	509	1,901	-73.2%	840,966	801,966	4.9%
CHICAGO ULSD (PLATTS) SWA	4C	-	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	270	586	-53.9%	0	0	0.0%	0	0	0.0%	4,484	3,120	43.7%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0	0	50	200	-75.0%	0	0	0.0%	0	0	0.0%	1,170	950	23.2%
CIG BASIS	CI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	196	-100.0%
CIG ROCKIES NG INDEX SWA	Z8	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CINERGY HUB OFF-PEAK MON	EJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CINERGY HUB PEAK MONTH	EM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	K2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH PK	H5	0	0	0.0%	0	0	0	424	1,214	-65.1%	0	0	0.0%	0	0	0.0%	4,294	10,010	-57.1%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,920	0	0.0%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	325	230	41.3%
COAL SWAP	ACM	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	0	465	-100.0%
COAL SWAP	SSI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	364	0	0.0%
COLUMBIA GULF ONSHORE	GL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CONWAY NATURAL GASOLINE	8L	0	0	0.0%	0	0	0	570	183	211.5%	0	0	0.0%	0	0	0.0%	1,803	1,497	20.4%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	760	110	590.9%	0	0	0.0%	0	0	0.0%	3,556	2,536	40.2%

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Energy Futures																		
CONWAY PROPANE 5 DECIMAL	8K	0	0.0%	6	1	5	14,120	19,613	-28.0%	0	0	0.0%	129	32	303.1%	122,691	130,512	-6.0%
CRUDE OIL	LPS	0	0.0%	0	0	0	2,835	3,900	-27.3%	0	0	0.0%	0	0	0.0%	22,660	37,855	-40.1%
CRUDE OIL OUTRIGHTS	42	0	0.0%	0	0	0	50	98	-49.0%	0	0	0.0%	0	0	0.0%	3,101	1,895	63.6%
CRUDE OIL OUTRIGHTS	CC5	0	0.0%	0	0	0	120	0	0.0%	0	0	0.0%	0	0	0.0%	3,191	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	2,956	-100.0%
CRUDE OIL OUTRIGHTS	CSN	-	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	272	1,560	-82.6%	0	0	0.0%	50	0	0.0%	3,142	1,565	100.8%
CRUDE OIL OUTRIGHTS	DBL	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%
CRUDE OIL OUTRIGHTS	GSW	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	38,902	35,150	10.7%	0	0	0.0%	0	0	0.0%	458,646	407,568	12.5%
CRUDE OIL OUTRIGHTS	LSW	0	0.0%	0	0	0	30	30	0.0%	0	0	0.0%	0	0	0.0%	3,168	320	890.0%
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%
CRUDE OIL OUTRIGHTS	UMD	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	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%
CRUDE OIL OUTRIGHTS	WCW	0	0.0%	0	0	0	1,610	2,360	-31.8%	0	0	0.0%	0	0	0.0%	33,904	56,310	-39.8%
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%
CRUDE OIL PHY	HCL	0	-	-	8,916	-	3,700	-	-	0	-	-	108,022	-	-	47,869	-	-
CRUDE OIL SPRDS	38	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,055	-100.0%
CRUDE OIL SPRDS	HIL	0	-	-	0	-	0	-	-	0	-	-	0	-	-	720	-	-
CRUDE OIL SPRDS	WTT	0	0.0%	0	0	0	13,150	22,628	-41.9%	0	0	0.0%	0	0	0.0%	179,430	366,144	-51.0%
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%
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%
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%
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%
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%
DAILY PJM	PEO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PNO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PNP	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PWO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PWP	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	WOR	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	ZAO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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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	0.0%	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	125	875	-85.7%	0	0	0.0%	0	0	0.0%	17,663	14,902	18.5%
DUTCH TTF NATURAL GAS CAL	TTF	0	0	0.0%	9,459	417	21.68	0	0.0%	0	0	0.0%	68,701	7,587	805.5%	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	0.0%	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	0	0.0%	0	0	0.0%	0	0	0.0%	20	187	-89.3%
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	119	206	-42.2%	0	0	0.0%	0	0	0.0%	2,761	1,686	63.8%
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	-	-
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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Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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	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	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	20	20	0.0%	0	0	0.0%	0	0	0.0%	550	270	103.7%
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	0	2,983	2,833	5.3%	0	0	0.0%	0	0	0.0%	26,461	23,443	12.9%
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0	0	0	2	-100.0%	0	0	0.0%	0	0	0.0%	3	25	-88.0%
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	0	11	457	-97.6%	0	0	0.0%	0	0	0.0%	302	5,167	-94.2%
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0	0	0	125	-100.0%	0	0	0.0%	0	0	0.0%	147	834	-82.4%
EURO-DENOMINATED PETRO P	NCP	0	0	0.0%	0	0	0	0	640	-100.0%	0	0	0.0%	0	0	0.0%	0	640	-100.0%
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	13	0	0.0%	0	0	0.0%	0	0	0.0%	463	366	26.5%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	0	0	0.0%	0	0	0	18	95	-81.1%	0	0	0.0%	0	0	0.0%	385	768	-49.9%
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	0	762	4,047	-81.2%	0	0	0.0%	0	0	0.0%	8,035	68,381	-88.2%
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	84	334	-0.75	0	0	0.0%	0	0	0.0%	816	3,651	-77.6%	0	0	0.0%
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	0	8	277	-97.1%	0	0	0.0%	0	0	0.0%	1,343	2,289	-41.3%
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	0	2,036	8,901	-77.1%	0	0	0.0%	0	0	0.0%	34,260	72,491	-52.7%
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	18	-100.0%	0	0	0.0%	0	0	0.0%	5	39	-87.2%
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	0	509	3,780	-86.5%	0	0	0.0%	0	0	0.0%	15,393	27,309	-43.6%
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	0	1,671	1,443	15.8%	0	0	0.0%	0	0	0.0%	15,510	13,960	11.1%
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	ACB	0	-	-	0	-	0	-	-	-	0	-	0	-	-	420	-	-	
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	0	242	282	-14.2%	0	0	0.0%	0	0	0.0%	1,385	1,067	29.8%
FREIGHT MARKETS	FRC	0	0	0.0%	0	0	0	90	60	50.0%	0	0	0.0%	0	0	0.0%	1,210	600	101.7%
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	240	185	29.7%	0	0	0.0%	0	0	0.0%	4,340	2,123	104.4%
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	0	0	0.0%	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	-	0	100	-	-	0	-	0	-	-	160	-	-	
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	0	2,843	1,630	74.4%	0	0	0.0%	0	0	0.0%	14,011	32,077	-56.3%
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%

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Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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 CM	1W	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	6	154	-96.1%	
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	120	-100.0%	
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	0	10	-93.9%	0	0	0.0%	0	0	0.0%	1,426	1,878	-24.1%	
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	1,622	-75.0%	0	0	0.0%	0	0	0.0%	44,459	62,148	-28.5%	
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	3,880	-70.5%	0	0	0.0%	0	0	0.0%	66,945	152,732	-56.2%	
GASOIL 0.1 CIF MED SWAP	Z4	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-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%	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%	
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	21	10	110.0%	
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	103	1,260	-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%	
GASOIL 10PPM VS ICE SWAP	TP	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%	
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	0	39	550.0%	0	0	0.0%	0	0	0.0%	129	54	138.9%	
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	120	-95.8%	0	0	0.0%	0	0	0.0%	5,114	35,552	-85.6%	
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	0	612	255.8%	0	0	0.0%	0	0	0.0%	2,310	1,442	60.2%	
GERMAN POWER BASELOAD C	DEB	0	0	0.0%	1,913	915	1.09	0	0.0%	0	0	0.0%	19,348	2,991	546.9%	0	0	0.0%	
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	205	-100.0%	
GROUP THREE UNLEAD GAS (F	A9	0	0	0.0%	0	0	0	300	0.0%	0	0	0.0%	0	0	0.0%	300	425	-29.4%	
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	0	3,270	2,880	13.5%	0	0	0.0%	0	0	0.0%	28,265	27,718	2.0%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	0	1,370	1,985	-31.0%	0	0	0.0%	0	0	0.0%	21,187	15,777	34.3%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	0	663	981	-32.4%	0	0	0.0%	0	0	0.0%	5,601	11,466	-51.2%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	0	241	-100.0%	0	0	0.0%	0	0	0.0%	267	1,156	-76.9%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	18,687	29,940	-37.6%	0	0	0.0%	0	0	0.0%	171,097	301,608	-43.3%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	0	21,075	46,376	-54.6%	0	0	0.0%	2	0	0.0%	186,535	472,377	-60.5%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	80	530	-84.9%	0	0	0.0%	0	0	0.0%	1,573	14,873	-89.4%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	200	215	-7.0%	0	0	0.0%	0	0	0.0%	3,042	2,025	50.2%
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,295	-100.0%	
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	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%	
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	12,426	7,494	65.8%	
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	4,419	-1	0	0.0%	0	0	0.0%	0	22,465	-100.0%	0	0	0.0%	

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Energy Futures																			
HENRY HUB FINANCIAL LAST	TTE	0	0	0.0%	0	78	-1	0	0	0.0%	0	0	0.0%	0	855	-100.0%	0	0	0.0%
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	0	62	-100.0%	0	0	0.0%	0	0	0.0%	12,426	7,494	65.8%
HENRY HUB SWAP	NN	0	0	0.0%	0	244	-1	35,392	194,737	-81.8%	0	0	0.0%	122	54,879	-99.8%	814,556	1,352,177	-39.8%
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	2,030	11,453	-82.3%	0	0	0.0%	0	0	0.0%	41,144	82,951	-50.4%
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	205	210	-2.4%	0	0	0.0%	0	0	0.0%	2,965	985	201.0%
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	27	0	0.0%	0	0	0.0%	0	0	0.0%	196	1,689	-88.4%
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	0	469	1,496	-68.6%	0	0	0.0%	0	0	0.0%	9,152	16,489	-44.5%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	39	97	-59.8%	0	0	0.0%	0	0	0.0%	328	498	-34.1%
JET AV FUEL (P) CAR FM ICE G	1V	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	0	30	0	0.0%	0	0	0.0%	0	0	0.0%	100	630	-84.1%
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	2,775	5,500	-49.5%	0	0	0.0%	0	0	0.0%	34,088	47,757	-28.6%
JKM LNG Futures	JKM	0	0	0.0%	0	0	0	1,535	2,208	-30.5%	0	0	0.0%	0	0	0.0%	12,511	9,218	35.7%
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	50	105	-52.4%	0	0	0.0%	0	0	0.0%	375	2,630	-85.7%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	175	75	133.3%	0	0	0.0%	0	0	0.0%	2,850	4,150	-31.3%
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	1,179	1,388	-15.1%	0	0	0.0%	0	0	0.0%	10,484	17,643	-40.6%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	0	0	0	607	-100.0%	0	0	0.0%	0	0	0.0%	0	607	-100.0%
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	0	60	2,292	-97.4%	0	0	0.0%	0	0	0.0%	16,599	46,712	-64.5%
LOS ANGELES CARB GASOLIN	MH	0	-	-	0	-	0	0	-	-	0	-	0	-	-	-	10	-	-

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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 SWAP	YX	0	0	0.0%	0	0	0	810	500	62.0%	0	0	0.0%	0	0	0.0%	13,630	19,200	-29.0%
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	375	-1	17,370	9,536	82.2%	0	0	0.0%	480	375	28.0%	148,474	181,171	-18.0%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,319	-100.0%
MCCLOSKY ARA ARGS COAL	MTF	0	0	0.0%	192	5	37.4	25,111	19,035	31.9%	0	0	0.0%	4,491	719	524.6%	231,366	192,349	20.3%
MCCLOSKY RCH BAY COAL	MFF	0	0	0.0%	0	0	0	1,375	2,606	-47.2%	0	0	0.0%	0	0	0.0%	18,639	26,483	-29.6%
MGF FUT	MGF	0	0	0.0%	0	0	0	0	88	-100.0%	0	0	0.0%	0	0	0.0%	0	218	-100.0%
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	0	130	40	225.0%	0	0	0.0%	0	0	0.0%	490	573	-14.5%
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	532	265	100.8%	0	0	0.0%	0	0	0.0%	1,876	2,951	-36.4%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	0	375	-100.0%	0	0	0.0%	0	0	0.0%	3,500	3,035	15.3%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	639	2,108	-69.7%	0	0	0.0%	0	0	0.0%	17,521	13,567	29.1%
MJC FUT	MJC	0	0	0.0%	0	0	0	0	80	-100.0%	0	0	0.0%	0	0	0.0%	150	1,325	-88.7%
MNC FUT	MNC	0	0	0.0%	0	0	0	2,840	4,712	-39.7%	0	0	0.0%	0	0	0.0%	31,473	30,929	1.8%
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	0	19,218	19,570	-1.8%	0	0	0.0%	0	0	0.0%	124,498	125,059	-0.4%
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	60	130	-53.8%	0	0	0.0%	0	0	0.0%	1,279	1,290	-0.9%
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	37	34	0.09	157,424	111,783	40.8%	0	0	0.0%	112	170	-34.1%	1,169,820	963,867	21.4%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	2,746	987	178.2%	0	0	0.0%	0	0	0.0%	24,817	21,613	14.8%
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	0	6,184	5,130	20.5%	0	0	0.0%	0	0	0.0%	63,019	63,933	-1.4%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	405	382	6.0%	0	0	0.0%	0	0	0.0%	5,129	3,226	59.0%
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	52,185	46,652	11.9%	0	0	0.0%	0	0	0.0%	366,196	272,449	34.4%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	1,533	1,105	38.7%	0	0	0.0%	0	0	0.0%	10,677	8,601	24.1%
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	23,866	30,236	-21.1%	0	0	0.0%	0	0	0.0%	226,464	279,942	-19.1%
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	55,040	0	0.0%	0	0	0.0%	0	0	0.0%	71,600	79,520	-10.0%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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%

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Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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																			
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%	
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%	
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%	
NEPOOL W CNTR M 5MW D AH	R6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEW YORK ETHANOL SWAP	EZ	0	0	0.0%	0	0	0	272	-73.6%	0	0	0.0%	0	0	0.0%	5,721	10,666	-46.4%	
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEW YORK HUB ZONE J PEAK	JN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NGPL MID-CONTINENT	NL	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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%	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%	
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	0	-100.0%	0	0	0.0%	0	0	0.0%	675	2,558	-73.6%	
NORTHEN NATURAL GAS DEM	PE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NORTHEN NATURAL GAS VENT	PF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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%	
NORTHWEST ROCKIES BASIS S	NR	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	-100.0%	0	0	0.0%	0	0	0.0%	0	59	-100.0%	
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	0	704	87.7%	0	0	0.0%	0	0	0.0%	3,847	12,933	-70.3%	
NY 2.2% FUEL OIL (PLATTS	Y3	-	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	-100.0%	0	0	0.0%	0	0	0.0%	775	1,650	-53.0%	
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	25	50	-50.0%	
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	6	9	-0.33	1,679	-70.0%	0	0	0.0%	14	67	-79.1%	17,150	15,962	7.4%	
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	390	2,845	-86.3%	
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	713	-27.9%	0	0	0.0%	0	0	0.0%	6,198	9,164	-32.4%	
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	390	333.3%	0	0	0.0%	0	0	0.0%	2,625	7,397	-64.5%	
NYISO A	KA	-	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%	
NYISO CAPACITY	LHV	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	240	246	-2.4%	
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	615	-100.0%	
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	60	275	-78.2%	
NYISO G	KG	-	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%	

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Energy Futures																			
NYISO J	KJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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%	
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%	
NYISO ZONE C 5MW D AH PK	Q5	-	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	55,040	146.6%	0	0	0.0%	0	0	0.0%	101,424	600,854	-83.1%	
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	0	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%	
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%	
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%	1,450	0	0.0%	
NY ULSD (ARGUS) VS HEATING	7Y	0	0	0.0%	0	0	0	100	0.0%	0	0	0.0%	0	0	0.0%	1,595	213	648.8%	
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	1,464	-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	0	0.0%	
ONTARIO POWER SWAPS	OFM	-	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	25	0.0%	0	0	0.0%	0	0	0.0%	25	10	150.0%	
ONTARIO POWER SWAPS	OPM	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	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%	
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%	
PETROCHEMICALS	22	0	0	0.0%	0	0	0	161	-15.3%	0	0	0.0%	0	0	0.0%	1,327	1,306	1.6%	
PETROCHEMICALS	32	0	0	0.0%	0	0	0	67	-62.6%	0	0	0.0%	0	0	0.0%	858	1,354	-36.6%	
PETROCHEMICALS	3NA	0	-	-	0	-	0	0	-	0	-	-	0	-	-	49	-	-	
PETROCHEMICALS	51	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	77	23	234.8%	
PETROCHEMICALS	8I	0	0	0.0%	0	0	0	845	1,820.5%	0	0	0.0%	0	0	0.0%	4,882	5,684	-14.1%	
PETROCHEMICALS	91	0	0	0.0%	0	0	0	531	118.5%	0	0	0.0%	0	0	0.0%	3,738	3,187	17.3%	
PETROCHEMICALS	HPE	-	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	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%	
PETROCHEMICALS	MAE	0	0	0.0%	0	0	0	622	445.6%	0	0	0.0%	0	0	0.0%	2,961	1,492	98.5%	
PETROCHEMICALS	MAS	0	0	0.0%	0	0	0	296	-23.1%	0	0	0.0%	0	0	0.0%	1,782	1,146	55.5%	
PETROCHEMICALS	MBE	0	0	0.0%	0	0	0	320	-67.7%	0	0	0.0%	0	0	0.0%	2,715	6,690	-59.4%	
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	118	-88.6%	0	0	0.0%	0	0	0.0%	5,711	16,319	-65.0%	

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Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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																			
PETROCHEMICALS	MPS	0	0	0.0%	0	0	0	175	120	45.8%	0	0	0.0%	0	0	0.0%	1,758	890	97.5%
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	50	0	0.0%	0	0	0.0%	0	0	0.0%	282	509	-44.6%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	8,761	2,785	214.6%	0	0	0.0%	0	0	0.0%	55,426	12,005	361.7%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	1,261	2,140	-41.1%	0	0	0.0%	0	0	0.0%	21,442	22,870	-6.2%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	150	200	-25.0%	0	0	0.0%	0	0	0.0%	3,370	5,575	-39.6%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	250	1,600	-84.4%	0	0	0.0%	0	0	0.0%	5,218	10,335	-49.5%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	0	0	0.0%	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	1,064	2,183	-51.3%	0	0	0.0%	0	0	0.0%	10,759	12,547	-14.3%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	0	21	-100.0%	0	0	0.0%	0	0	0.0%	0	163	-100.0%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	2,919	14,880	-80.4%	0	0	0.0%	0	0	0.0%	26,682	108,664	-75.4%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	40	150.0%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	5,820	1,092	433.0%	0	0	0.0%	0	0	0.0%	14,462	8,033	80.0%
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	0	0	4	-100.0%	0	0	0.0%	0	0	0.0%	0	4	-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%	0	50	-100.0%
PETRO CRCKS & SPRDS NA	NYF	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	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	2,278	4,844	-53.0%	0	0	0.0%	0	0	0.0%	59,822	43,263	38.3%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	8,580	9,196	-6.7%	0	0	0.0%	0	0	0.0%	110,698	133,093	-16.8%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	190	0	0.0%	0	0	0.0%	0	0	0.0%	884	321	175.4%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	140	2,313	-93.9%	0	0	0.0%	0	0	0.0%	9,573	15,811	-39.5%
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	0	211	-100.0%	0	0	0.0%	0	0	0.0%	155	2,979	-94.8%
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	935	1,412	-33.8%	0	0	0.0%	0	0	0.0%	4,042	14,732	-72.6%
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	23	188	-87.8%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	720	664	8.4%	0	0	0.0%	0	0	0.0%	4,863	7,340	-33.7%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	578	1,210	-52.2%	0	0	0.0%	0	0	0.0%	3,642	17,671	-79.4%
PETRO CRK&SPRD EURO	FBT	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	60	-	-

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Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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 CRK&SPRD EURO	FVB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	517	680	-24.0%
PETRO CRK&SPRD EURO	GOC	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%	120	80	50.0%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	30	0	0.0%	0	0	0.0%	0	0	0.0%	110	163	-32.5%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	58	152	-61.8%
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	115	1,899	-93.9%	0	0	0.0%	0	0	0.0%	3,295	13,444	-75.5%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	51	125	-59.2%
PETROLEUM PRODUCTS	1NM	0	-	-	0	-	65	-	-	0	-	-	0	-	-	708	-	-
PETROLEUM PRODUCTS	EWB	-	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	575	4,635	-87.6%	0	0	0.0%	0	0	0.0%	20,005	35,953	-44.4%
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%
PETROLEUM PRODUCTS	MGS	-	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	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%
PETROLEUM PRODUCTS	R5F	0	-	-	0	-	0	-	-	0	-	-	0	-	-	9	-	-
PETROLEUM PRODUCTS	S53	0	-	-	0	-	27	-	-	0	-	-	0	-	-	27	-	-
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	142	0	0.0%	0	0	0.0%	0	0	0.0%	377	1,044	-63.9%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	60	70	-14.3%	0	0	0.0%	0	0	0.0%	128	634	-79.8%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	900	1,545	-41.7%	0	0	0.0%	0	0	0.0%	12,646	15,434	-18.1%
PETROLEUM PRODUCTS ASIA	MSB	0	0	0.0%	0	0	20	0	0.0%	0	0	0.0%	0	0	0.0%	20	0	0.0%
PETRO OUTRIGHT EURO	0B	0	0	0.0%	0	0	73	0	0.0%	0	0	0.0%	0	0	0.0%	241	84	186.9%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	30	3	900.0%	0	0	0.0%	0	0	0.0%	45	3	1,400.0%
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	1,180	1,026	15.0%	0	0	0.0%	0	0	0.0%	11,132	10,771	3.4%
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	0	3	-100.0%	0	0	0.0%	0	0	0.0%	76	198	-61.6%
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	448	476	-5.9%	0	0	0.0%	0	0	0.0%	3,130	4,565	-31.4%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	18	-100.0%	0	0	0.0%	0	0	0.0%	5	39	-87.2%
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%
PETRO OUTRIGHT EURO	5L	0	0	0.0%	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	203	224	-9.4%
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	15	172	-91.3%
PETRO OUTRIGHT EURO	6L	-	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	0	0.0%	0	0	0.0%	0	0	0.0%	644	582	10.7%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	72	393	-81.7%	0	0	0.0%	0	0	0.0%	1,197	2,535	-52.8%

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Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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	88	0	0.0%	0	0	0	0	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	15	0	0.0%	0	0	0.0%	0	0	0.0%	15	55	-72.7%	
PETRO OUTRIGHT EURO	CGB	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	70	0	0.0%	0	0	0.0%	0	0	0.0%	1,847	3,009	-38.6%	
PETRO OUTRIGHT EURO	EFF	0	0.0%	0	0	0	56	15	273.3%	0	0	0.0%	0	0	0.0%	172	116	48.3%	
PETRO OUTRIGHT EURO	EFM	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	15	40	-62.5%	0	0	0.0%	0	0	0.0%	146	105	39.0%	
PETRO OUTRIGHT EURO	ESB	-	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	118	765	-84.6%	0	0	0.0%	0	0	0.0%	3,945	5,612	-29.7%	
PETRO OUTRIGHT EURO	FBD	-	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	0	5	-100.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%	
PETRO OUTRIGHT EURO	H5G	0	-	-	0	-	0	-	-	0	-	-	0	-	-	120	-	-	
PETRO OUTRIGHT EURO	MBB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	171	-100.0%	
PETRO OUTRIGHT EURO	MBN	0	0.0%	0	0	0	540	409	32.0%	0	0	0.0%	0	0	0.0%	2,842	8,378	-66.1%	
PETRO OUTRIGHT EURO	MEF	0	0.0%	0	0	0	285	15	1,800.0%	0	0	0.0%	0	0	0.0%	2,683	15	17,786.7%	
PETRO OUTRIGHT EURO	R53	0	-	-	0	-	0	-	-	0	-	-	0	-	-	54	-	-	
PETRO OUTRIGHT EURO	R5M	0	-	-	0	-	321	-	-	0	-	-	0	-	-	835	-	-	
PETRO OUTRIGHT EURO	R5O	0	-	-	0	-	116	-	-	0	-	-	0	-	-	252	-	-	
PETRO OUTRIGHT EURO	S5F	0	-	-	0	-	23	-	-	0	-	-	0	-	-	23	-	-	
PETRO OUTRIGHT EURO	S5M	0	-	-	0	-	380	-	-	0	-	-	0	-	-	610	-	-	
PETRO OUTRIGHT EURO	S5O	0	-	-	0	-	6	-	-	0	-	-	0	-	-	6	-	-	
PETRO OUTRIGHT EURO	SMU	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	625	478	30.8%	
PETRO OUTRIGHT EURO	T0	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	TMB	0	-	-	0	-	50	-	-	0	-	-	0	-	-	50	-	-	
PETRO OUTRIGHT EURO	ULB	-	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	980	-100.0%	
PETRO OUTRIGHT EURO	X0	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
PETRO OUTRIGHT NA	FCB	0	0.0%	0	0	0	0	32	-100.0%	0	0	0.0%	0	0	0.0%	426	592	-28.0%	
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%	
PETRO OUTRIGHT NA	JE	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	1,575	6,340	-75.2%	0	0	0.0%	0	0	0.0%	19,655	21,220	-7.4%	
PETRO OUTRIGHT NA	JTB	0	0.0%	0	0	0	475	150	216.7%	0	0	0.0%	0	0	0.0%	5,750	3,860	49.0%	

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Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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 NA	MBL	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	10	635	-98.4%	0	0	0.0%	0	0	0.0%	1,326	3,568	-62.8%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	1,119	2,609	-57.1%	0	0	0.0%	0	0	0.0%	20,052	30,169	-33.5%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	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	83	19	336.8%	0	0	0.0%	0	0	0.0%	755	74	920.3%
PETRO OUTRIGHT NA	NYT	-	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	0	300	-100.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
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%	117,180	28,032	318.0%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	0	0.0%	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%
PJM AECO DA PEAK	Y1	-	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%
PJM APS ZONE DA PEAK	S4	-	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%
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%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	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%
PJM DAILY	JD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	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%
PJM JCPL DA OFF-PEAK	F2	-	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%
PJM NI HUB 5MW REAL TIME	B3	0	0	0.0%	0	0	2,560	0	0.0%	0	0	0.0%	0	0	0.0%	3,845	5,100	-24.6%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0	46,640	0	0.0%	0	0	0.0%	0	0	0.0%	70,000	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%
PJM NILL DA PEAK	N3	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%
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%
PJM PPL DA PEAK	L5	-	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	23,400	-100.0%	0	0	0.0%	0	0	0.0%	0	23,400	-100.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0	0	1,275	-100.0%	0	0	0.0%	0	0	0.0%	0	1,275	-100.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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																			
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0	0	23,400	-100.0%	0	0	0.0%	0	0	0.0%	0	101,810	-100.0%	
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0	0	1,275	-100.0%	0	0	0.0%	0	0	0.0%	0	5,525	-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%	47,100	294,000	-84.0%	
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	0	2,791	-100.0%	0	0	0.0%	0	0	0.0%	47,090	45,970	2.4%	
PLASTICS	PGP	0	0	0.0%	0	0	0	540	471	14.6%	0	0	0.0%	0	0	0.0%	5,720	3,015	89.7%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	32	174	-81.6%	0	0	0.0%	0	0	0.0%	805	2,033	-60.4%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	32	48	-33.3%	0	0	0.0%	0	0	0.0%	65	403	-83.9%
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	116	-100.0%	0	0	0.0%	0	0	0.0%	30	186	-83.9%
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	985	707	39.3%	0	0	0.0%	0	0	0.0%	12,059	4,398	174.2%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	11,081	12,617	-12.2%	0	0	0.0%	0	0	0.0%	145,845	93,749	55.6%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	3,707	6,092	-39.1%	0	0	0.0%	0	0	0.0%	47,876	46,084	3.9%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	150	60	150.0%	0	0	0.0%	0	0	0.0%	8,875	9,213	-3.7%
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	852	833	2.3%	0	0	0.0%	0	0	0.0%	7,896	9,000	-12.3%
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	0	0.0%	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	20	48	-58.3%	0	0	0.0%	0	0	0.0%	113	438	-74.2%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	123	282	-56.4%	0	0	0.0%	0	0	0.0%	716	1,808	-60.4%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	2,234	10,558	-78.8%	0	0	0.0%	0	0	0.0%	24,137	72,321	-66.6%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	185	543	-65.9%	0	0	0.0%	0	0	0.0%	2,232	7,197	-69.0%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	60	273	-78.0%	0	0	0.0%	0	0	0.0%	495	5,724	-91.4%
SINGAPORE GASOIL	MAF	0	0	0.0%	0	0	0	2,674	8	33,325.0%	0	0	0.0%	0	0	0.0%	15,363	8	191,937.5%
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	62	51	21.6%	0	0	0.0%	0	0	0.0%	391	476	-17.9%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	4,878	4,141	17.8%	0	0	0.0%	0	0	0.0%	31,275	38,123	-18.0%
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	0	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	225	50	350.0%	0	0	0.0%	0	0	0.0%	1,450	4,249	-65.9%

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Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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																		
SINGAPORE GASOIL CALEND	SGG	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	819	6,590	-87.6%	0	0	0.0%	0	2	-100.0%	8,315	35,691	-76.7%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	5,775	-100.0%	0	0	0.0%	0	0	0.0%	4,490	107,216	-95.8%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	215	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	2,325	-100.0%	0	0	0.0%	0	0	0.0%	100	31,170	-99.7%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	275	1,995	-86.2%	0	0	0.0%	0	0	0.0%	4,565	9,060	-49.6%
SINGAPORE JET KERO VS. GAS	Z0	0	0	0.0%	0	0	0	375	-100.0%	0	0	0.0%	0	0	0.0%	0	400	-100.0%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	1,793	-100.0%	0	0	0.0%	0	0	0.0%	1,475	4,976	-70.4%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	1,592	9,639	-83.5%	0	0	0.0%	0	2	-100.0%	83,283	111,177	-25.1%
SINGAPORE NAPHTHA SWAP	SP	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	0.0%	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%
SONAT BASIS SWAP FUTURE	SZ	-	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%
Sumas Basis Swap	NK	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%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	0.0%	0	0	91	0	0.0%	0	0	0.0%	0	0	0.0%	2,061	548	276.1%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	20	0	0.0%	0	0	0.0%	0	0	0.0%	2,501	240	942.1%
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%
TCO NG INDEX SWAP	Q1	-	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	2,965	2,035	45.7%	0	0	0.0%	0	0	0.0%	37,946	8,655	338.4%
TENNESSEE 500 LEG BASIS S	NM	-	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%
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%
TETCO M-3 INDEX	IX	-	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%
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%
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 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%
TRANSCO ZONE 3 NG INDEX S	Y6	-	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%
TRANSCO ZONE 4 NAT GAS IN	B2	-	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%
TRANSCO ZONE 6 INDEX	IT	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%

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Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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																			
UCM FUT	UCM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	60	-66.7%	
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	0.0%	1,170	1,336	-0.12	0	0.0%	0	0	0.0%	4,469	40,562	-89.0%	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%	
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	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%	
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	0	2,555	-47.2%	0	0	0.0%	0	0	0.0%	40,170	40,362	-0.5%	
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	43,125	29.5%	0	0	0.0%	0	0	0.0%	244,916	253,949	-3.6%	
WAHA BASIS	NW	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%	
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%	
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	35	0.0%	0	0	0.0%	0	0	0.0%	1,449	6,650	-78.2%	
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	0	32,180	125.2%	0	0	0.0%	0	6	-100.0%	288,407	250,799	15.0%	
WTI CALENDAR	CS	0	0	0.0%	0	0	0	22,528	-36.4%	0	0	0.0%	0	0	0.0%	320,094	264,043	21.2%	
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	2,235	-83.5%	0	0	0.0%	0	0	0.0%	36,907	68,502	-46.1%	
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	1,560	-14.0%	0	0	0.0%	0	0	0.0%	6,493	5,385	20.6%	
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%	
BRENT 1 MONTH CAL	AA	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	780	-19.6%	0	0	0.0%	0	0	0.0%	3,810	5,715	-33.3%	
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	2,000	-100.0%	
BRENT CRUDE OIL 1 M CSO	9C	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	1,800	2,900	-37.9%	33,390	382,938	-91.3%	
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	1,000	-100.0%	
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	0	16,410	31.2%	0	0	0.0%	0	0	0.0%	313,689	260,912	20.2%	
BRENT OIL LAST DAY	BZO	0	0	0.0%	57,498	57,768	0	26,004	-60.2%	0	0	0.0%	513,365	464,623	10.5%	274,686	579,422	-52.6%	
BRENT OIL LAST DAY	OS	0	0	0.0%	0	100	-1	0	0.0%	0	0	0.0%	0	190	-100.0%	0	1,000	-100.0%	
COAL API2 INDEX	CLA	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	210	5,365	-96.1%	
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	100	-33.3%	0	0	0.0%	0	0	0.0%	760	3,455	-78.0%	
COAL API2 INDEX	MTC	-	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	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	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%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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																			
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%	
CRUDE OIL	6Y	0	-	-	0	-	0	-	-	0	-	-	0	-	-	150	-	-	
CRUDE OIL 1MO	WA	0	0	0.0%	21,050	13,630	0.54	200,125	101,400	97.4%	0	0	0.0%	69,511	120,890	-42.5%	1,804,000	1,597,150	13.0%
CRUDE OIL APO	AO	0	0	0.0%	0	0	0	32,588	31,738	2.7%	0	0	0.0%	3	331	-99.1%	377,774	371,172	1.8%
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%
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	150	1,250	-88.0%	0	0	0.0%	0	0	0.0%	1,300	19,050	-93.2%
CRUDE OIL PHY	LC	0	0	0.0%	20	0	0	8,427	11,985	-29.7%	0	0	0.0%	60	724	-91.7%	82,990	78,415	5.8%
CRUDE OIL PHY	LO	0	0	0.0%	2,631,947	2,417,115	0.09	310,860	519,270	-40.1%	0	0	0.0%	18,629,898	23,049,478	-19.2%	3,125,757	5,122,463	-39.0%
CRUDE OIL PHY	LO1	0	0	0.0%	8,722	13,737	-0.37	50	0	0.0%	0	0	0.0%	120,461	110,810	8.7%	775	75	933.3%
CRUDE OIL PHY	LO2	0	0	0.0%	10,146	14,177	-0.28	350	0	0.0%	0	0	0.0%	117,260	121,268	-3.3%	550	250	120.0%
CRUDE OIL PHY	LO3	0	0	0.0%	4,133	7,936	-0.48	0	0	0.0%	0	0	0.0%	71,588	78,255	-8.5%	400	325	23.1%
CRUDE OIL PHY	LO4	0	0	0.0%	10,022	11,928	-0.16	200	300	-33.3%	0	0	0.0%	124,539	118,672	4.9%	200	350	-42.9%
CRUDE OIL PHY	LO5	0	0	0.0%	9,550	14,791	-0.35	300	0	0.0%	0	0	0.0%	47,414	49,480	-4.2%	700	225	211.1%
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	22,538	3,306	581.7%	0	0	0.0%	0	0	0.0%	90,926	57,811	57.3%
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	0	475	-100.0%	0	0	0.0%	0	0	0.0%	780	2,668	-70.8%
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	325	0	0.0%	0	0	0.0%	2	0	0.0%	1,725	750	130.0%
HEATING OIL PHY	OH	0	0	0.0%	4,123	2,957	0.39	21,370	20,837	2.6%	0	0	0.0%	33,933	42,884	-20.9%	195,356	196,619	-0.6%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	0	2,673	5,117	-47.8%	0	0	0.0%	0	5	-100.0%	48,696	32,360	50.5%
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%
MCCLOSKEY 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%
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	0	0	50	0	0.0%	0	0	0.0%	0	0	0.0%	920	1,905	-51.7%
NATURAL GAS	G10	-	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 AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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																			
NATURAL GAS 1 M CSO FIN	G4	0	0	0.0%	7,950	245	31.45	136,200	30,400	348.0%	0	0	0.0%	11,520	1,386	731.2%	421,955	284,941	48.1%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	500	0	0.0%	0	0	0.0%	0	0	0.0%	4,125	1,200	243.8%
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	59,350	5,500	979.1%	0	0	0.0%	0	1	-100.0%	178,350	43,545	309.6%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0	0	500	0	0.0%	0	0	0.0%	0	0	0.0%	1,600	2,550	-37.3%
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	0	5,550	1,700	226.5%	0	0	0.0%	0	0	0.0%	41,075	70,950	-42.1%
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	0	3,600	1,000	260.0%	0	0	0.0%	0	0	0.0%	18,960	22,308	-15.0%
NATURAL GAS PHY	KD	0	0	0.0%	1,141	10,933	-0.9	6,230	7,400	-15.8%	0	0	0.0%	4,387	102,478	-95.7%	19,830	65,435	-69.7%
NATURAL GAS PHY	LN	0	0	0.0%	807,190	1,022,000	-0.21	576,549	489,535	17.8%	0	0	0.0%	6,198,353	8,203,141	-24.4%	5,213,161	5,449,275	-4.3%
NATURAL GAS PHY	ON	0	0	0.0%	103,682	160,873	-0.36	2,202	7,864	-72.0%	0	0	0.0%	947,576	1,298,314	-27.0%	30,656	77,763	-60.6%
NATURAL GAS WINTER STRIP	6I	0	0	0.0%	0	0	0	200	1,200	-83.3%	0	0	0.0%	0	0	0.0%	1,500	1,200	25.0%
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	0	546	708	-22.9%	0	0	0.0%	0	0	0.0%	3,624	1,780	103.6%
NY HARBOR HEAT OIL SWP	AT	0	0	0.0%	80	36	1.22	1,423	1,963	-27.5%	0	0	0.0%	377	446	-15.5%	16,610	19,741	-15.9%
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%	4	3	0.33	162	1,370	-88.2%	0	0	0.0%	21	23	-8.7%	4,758	4,991	-4.7%
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	1,200	-100.0%	0	0	0.0%	0	0	0.0%	160	3,300	-95.2%
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	0	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	0	10	-100.0%	0	0	0.0%	0	0	0.0%	640	320	100.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	880	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	0	0.0%	0	0	0	0	443	-100.0%	0	0	0.0%	0	0	0.0%	836	6,857	-87.8%
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	0	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%	2,939	1,600	0.84	8,370	7,225	15.8%	0	0	0.0%	29,275	28,775	1.7%	96,815	63,537	52.4%
RBOB PHY	RF	0	0	0.0%	0	0	0	0	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	1,092	124	780.6%	0	0	0.0%	0	0	0.0%	2,970	1,882	57.8%
SHORT TERM	C15	0	-	-	0	-	-	0	-	-	0	-	0	-	-	-	0	-	-
SHORT TERM	U11	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	111	-100.0%	700	1,125	-37.8%

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Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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																			
SHORT TERM	U12	0	0	0.0%	0	0	0	230	0	0.0%	0	0	0.0%	0	85	-100.0%	1,030	750	37.3%
SHORT TERM	U13	0	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	150	400	-62.5%
SHORT TERM	U14	0	0	0.0%	0	0	0	100	50	100.0%	0	0	0.0%	0	13	-100.0%	150	850	-82.4%
SHORT TERM	U15	0	0	0.0%	0	20	-1	100	0	0.0%	0	0	0.0%	25	147	-83.0%	1,250	650	92.3%
SHORT TERM	U22	0	0	0.0%	0	30	-1	0	0	0.0%	0	0	0.0%	1	96	-99.0%	0	1,125	-100.0%
SHORT TERM	U23	0	0	0.0%	0	53	-1	100	250	-60.0%	0	0	0.0%	17	148	-88.5%	100	750	-86.7%
SHORT TERM	U24	0	0	0.0%	0	253	-1	0	200	-100.0%	0	0	0.0%	0	379	-100.0%	250	500	-50.0%
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	3	-1	175	0	0.0%	0	0	0.0%	0	98	-100.0%	175	1,350	-87.0%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	4	-1	100	100	0.0%	0	0	0.0%	4	54	-92.6%	700	1,375	-49.1%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0	0	0	650	-100.0%	0	0	0.0%	0	25	-100.0%	600	1,575	-61.9%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	0	50	0	0.0%	0	0	0.0%	0	80	-100.0%	250	730	-65.8%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	5	50	-90.0%	400	825	-51.5%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	0	50	0	0.0%	0	0	0.0%	0	1	-100.0%	650	1,600	-59.4%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	2	-1	1,850	0	0.0%	0	0	0.0%	0	2	-100.0%	2,450	1,375	78.2%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	0	50	0	0.0%	0	0	0.0%	0	34	-100.0%	300	1,500	-80.0%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	250	1,150	-78.3%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0	0	50	0	0.0%	0	0	0.0%	0	150	-100.0%	250	550	-54.5%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	3	-1	0	0	0.0%	0	0	0.0%	0	96	-100.0%	150	2,200	-93.2%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0	0	0	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	0	0	100	0	0.0%	0	0	0.0%	0	98	-100.0%	100	125	-20.0%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	15	-1	0	350	-100.0%	0	0	0.0%	0	25	-100.0%	300	850	-64.7%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	10	-1	0	0	0.0%	0	0	0.0%	0	13	-100.0%	50	350	-85.7%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	25	-1	0	0	0.0%	0	0	0.0%	0	25	-100.0%	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	100	0	0.0%	0	0	0.0%	0	10	-100.0%	100	450	-77.8%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	300	100	200.0%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	2	-1	0	0	0.0%	0	0	0.0%	0	27	-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	1,150	0.22	96,550	18,880	411.4%	0	0	0.0%	30,605	137,661	-77.8%	413,425	602,136	-31.3%



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Energy Options																			
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	0	500	-1	45,825	47,050	-2.6%	0	0	0.0%	8,600	15,050	-42.9%	422,520	581,100	-27.3%
Metals Futures																			
COMEX GOLD	GC	0	0	0.0%	9,294,106	6,082,485	0.53	288,144	191,677	50.3%	0	0	0.0%	53,807,893	55,810,658	-3.6%	1,780,216	2,041,794	-12.8%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	1,499	2,910	-0.48	3,614	14,325	-74.8%	0	0	0.0%	27,701	25,820	7.3%	102,750	58,225	76.5%
NYMEX PLATINUM	PL	0	0	0.0%	482,794	404,093	0.19	13,209	8,617	53.3%	0	0	0.0%	3,595,566	3,535,327	1.7%	131,380	93,095	41.1%
PALLADIUM	PA	0	0	0.0%	129,050	168,470	-0.23	4,250	7,638	-44.4%	0	0	0.0%	853,964	963,247	-11.3%	27,537	42,096	-34.6%
URANIUM	UX	0	0	0.0%	0	174	-1	0	16	-100.0%	0	0	0.0%	395	305	29.5%	8,989	1,849	386.2%
COMEX SILVER	SI	0	0	0.0%	2,959,771	2,303,039	0.29	58,858	61,070	-3.6%	0	0	0.0%	15,502,643	16,459,272	-5.8%	379,102	486,174	-22.0%
COMEX E-Mini GOLD	QO	0	0	0.0%	44,915	7,762	4.79	0	0	0.0%	0	0	0.0%	144,297	59,958	140.7%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	7,551	1,210	5.24	0	0	0.0%	0	0	0.0%	33,923	9,776	247.0%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	2,385,062	3,377,601	-0.29	11,991	24,836	-51.7%	0	0	0.0%	16,925,892	23,552,439	-28.1%	135,244	229,265	-41.0%
COMEX MINY COPPER	QC	0	0	0.0%	733	381	0.92	0	0	0.0%	0	0	0.0%	5,345	3,921	36.3%	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	2,675	435	514.9%	0	0	0.0%	55	0	0.0%	13,750	11,945	15.1%
ALUMINUM	ALA	0	0	0.0%	0	0	0	15	360	-95.8%	0	0	0.0%	0	0	0.0%	255	5,325	-95.2%
ALUMINUM	ALI	0	0	0.0%	3,118	0	0	0	0	0.0%	0	0	0.0%	3,468	0	0.0%	0	0	0.0%
ALUMINUM	AUP	0	0	0.0%	444	419	0.06	5,731	3,043	88.3%	0	0	0.0%	4,535	5,905	-23.2%	43,311	68,871	-37.1%
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	0	0	1,716	376	356.4%	0	0	0.0%	72	17	323.5%	16,498	10,606	55.6%
ALUMINUM	MJP	0	0	0.0%	0	0	0	1,260	1,060	18.9%	0	0	0.0%	0	76	-100.0%	8,140	9,359	-13.0%
COPPER	HGS	0	0	0.0%	0	0	0	181	500	-63.8%	0	0	0.0%	0	0	0.0%	6,052	11,139	-45.7%
E-MICRO GOLD	MGC	0	0	0.0%	889,807	164,142	4.42	0	0	0.0%	0	0	0.0%	2,967,222	1,070,839	177.1%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	193	165	0.17	275	1,815	-84.8%	0	0	0.0%	4,255	276	1,441.7%	4,548	12,903	-64.8%
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	18	-1	3,116	5,134	-39.3%	0	0	0.0%	28	135	-79.3%	45,712	32,388	41.1%
LNDN ZINC	ZNC	0	0	0.0%	0	1,435	-1	0	0	0.0%	0	0	0.0%	1,230	4,266	-71.2%	0	0	0.0%
SILVER	SIL	0	0	0.0%	56,056	9,435	4.94	0	0	0.0%	0	0	0.0%	174,868	60,622	188.5%	0	0	0.0%

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

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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	
Metals Options																			
COMEX COPPER	HX	0	0	0.0%	43,787	19,743	1.22	12,824	9,012	42.3%	0	0	0.0%	346,039	141,106	145.2%	133,925	59,526	125.0%
COMEX GOLD	OG	0	0	0.0%	1,644,794	943,386	0.74	558,044	323,018	72.8%	0	0	0.0%	8,204,961	6,270,418	30.9%	2,394,001	1,697,984	41.0%
COMEX SILVER	SO	0	0	0.0%	319,560	139,306	1.29	21,605	58,255	-62.9%	0	0	0.0%	1,226,861	1,048,268	17.0%	164,716	217,461	-24.3%
COPPER	H1E	0	0	0.0%	172	16	9.75	0	0	0.0%	0	0	0.0%	328	29	1,031.0%	0	0	0.0%
COPPER	H2E	0	0	0.0%	181	53	2.42	0	0	0.0%	0	0	0.0%	586	107	447.7%	0	0	0.0%
COPPER	H3E	0	0	0.0%	40	90	-0.56	0	0	0.0%	0	0	0.0%	129	95	35.8%	0	0	0.0%
COPPER	H4E	0	0	0.0%	10	40	-0.75	0	0	0.0%	0	0	0.0%	115	156	-26.3%	0	0	0.0%
COPPER	H5E	0	0	0.0%	77	12	5.42	0	0	0.0%	0	0	0.0%	97	12	708.3%	0	0	0.0%
GOLD	OG1	0	0	0.0%	36,413	9,401	2.87	2,400	0	0.0%	0	0	0.0%	284,559	82,756	243.9%	20,930	1,460	1,333.6%
GOLD	OG2	0	0	0.0%	50,082	9,136	4.48	4,850	50	9,600.0%	0	0	0.0%	250,376	69,311	261.2%	20,902	3,170	559.4%
GOLD	OG3	0	0	0.0%	43,647	14,277	2.06	1,825	0	0.0%	0	0	0.0%	199,891	85,587	133.6%	9,629	3,750	156.8%
GOLD	OG4	0	0	0.0%	32,763	8,449	2.88	1,350	0	0.0%	0	0	0.0%	145,994	49,865	192.8%	6,350	1,250	408.0%
GOLD	OG5	0	0	0.0%	33,339	10,653	2.13	375	0	0.0%	0	0	0.0%	60,052	26,028	130.7%	2,325	0	0.0%
HOT ROLLED COIL STEEL CALL	HRO	0	0	0.0%	0	0	0	0	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	100	0	0.0%	0	0	0.0%	0	0	0.0%	6,760	200	3,280.0%
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%	2,736	3,284	-0.17	500	700	-28.6%	0	0	0.0%	12,022	15,849	-24.1%	16,281	16,501	-1.3%
PALLADIUM	PAO	0	0	0.0%	390	1,279	-0.7	745	2,050	-63.7%	0	0	0.0%	4,820	12,669	-62.0%	5,119	11,882	-56.9%
SILVER	SO1	0	0	0.0%	1,204	691	0.74	0	0	0.0%	0	0	0.0%	11,091	3,036	265.3%	725	0	0.0%
SILVER	SO2	0	0	0.0%	1,779	637	1.79	0	0	0.0%	0	0	0.0%	8,380	2,430	244.9%	1,050	0	0.0%
SILVER	SO3	0	0	0.0%	2,804	1,234	1.27	115	0	0.0%	0	0	0.0%	9,997	4,508	121.8%	215	0	0.0%
SILVER	SO4	0	0	0.0%	587	377	0.56	0	0	0.0%	0	0	0.0%	4,271	1,627	162.5%	0	0	0.0%
SILVER	SO5	0	0	0.0%	2,166	911	1.38	0	0	0.0%	0	0	0.0%	4,033	2,092	92.8%	0	0	0.0%
TOTAL FUTURES GROUP																			
Ag Products Futures		0	0	0.0%	1	2	-50.0%	0	0	0.0%	0	0	0.0%	48	67	-28.4%	0	0	0.0%
Energy Futures		0	0	0.0%	46,115,942	37,163,527	24.1%	2,251,290	2,476,262	-9.1%	0	0	0.0%	340,686,165	355,126,828	-4.1%	20,252,169	21,905,532	-7.5%
Metals Futures		0	0	0.0%	16,255,099	12,523,739	29.8%	395,035	320,902	23.1%	0	0	0.0%	94,053,352	101,563,020	-7.4%	2,703,506	3,115,214	-13.2%
TOTAL FUTURES		0	0	0.0%	62,371,042	49,687,268	25.5%	2,646,325	2,797,164	-5.4%	0	0	0.0%	434,739,565	456,689,915	-4.8%	22,955,675	25,020,746	-8.3%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 2018	% CHG	CME ClearPort AUG 2019	CME ClearPort AUG 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
TOTAL OPTIONS GROUP																		
Energy Options	0	0	0.0%	3,681,597	3,751,899	-1.9%	1,591,304	1,412,283	12.7%	0	0	0.0%	26,960,681	33,949,576	-20.6%	13,272,062	16,061,116	-17.4%
Metals Options	0	0	0.0%	2,216,531	1,162,975	90.6%	604,733	393,085	53.8%	0	0	0.0%	10,774,602	7,815,949	37.9%	2,787,428	2,014,464	38.4%
TOTAL OPTIONS	0	0	0.0%	5,898,128	4,914,874	20.0%	2,196,037	1,805,368	21.6%	0	0	0.0%	37,735,283	41,765,525	-9.6%	16,059,490	18,075,580	-11.2%
TOTAL COMBINED																		
Ag Products	0	0	0.0%	1	2	-50.0%	0	0	0.0%	0	0	0.0%	48	67	-28.4%	0	0	0.0%
Energy	0	0	0.0%	49,797,539	40,915,426	21.7%	3,842,594	3,888,545	-1.2%	0	0	0.0%	367,646,846	389,076,404	-5.5%	33,524,231	37,966,648	-11.7%
Metals	0	0	0.0%	18,471,630	13,686,714	35.0%	999,768	713,987	40.0%	0	0	0.0%	104,827,954	109,378,969	-4.2%	5,490,934	5,129,678	7.0%
GRAND TOTAL	0	0	0.0%	68,269,170	54,602,142	25.0%	4,842,362	4,602,532	5.2%	0	0	0.0%	472,474,848	498,455,440	-5.2%	39,015,165	43,096,326	-9.5%