



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME DEC 2019	VOLUME DEC 2018	% CHG	VOLUME NOV 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Ag Products Futures									
COCOA TAS	CJ	0	0	0.0%	0	0.0%	8	5	60.0%
COFFEE	KT	0	0	0.0%	2	-100.0%	2	0	0.0%
COTTON	TT	1	1	0.0%	0	0.0%	39	22	77.3%
SUGAR 11	YO	0	0	0.0%	0	0.0%	10	58	-82.8%
Energy Futures									
CRUDE OIL PHY	CL	19,327,205	22,908,693	-15.6%	19,066,149	1.4%	291,465,320	306,613,007	-4.9%
CRUDE OIL	WS	250	0	0.0%	0	0.0%	16,944	15,639	8.3%
MINY WTI CRUDE OIL	QM	309,495	617,691	-49.9%	358,951	-13.8%	5,470,936	4,692,563	16.6%
BRENT OIL LAST DAY	BZ	1,781,077	1,660,914	7.2%	1,741,580	2.3%	25,616,925	21,825,780	17.4%
HEATING OIL PHY	HO	3,716,701	3,238,999	14.7%	3,973,786	-6.5%	43,400,809	46,277,883	-6.2%
HTG OIL	BH	0	0	0.0%	0	0.0%	96	120	-20.0%
MINY HTG OIL	QH	2	3	-33.3%	4	-50.0%	38	47	-19.1%
RBOB PHY	RB	3,437,819	3,404,701	1.0%	3,585,704	-4.1%	49,851,807	49,613,909	0.5%
MINY RBOB GAS	QU	4	4	0.0%	6	-33.3%	73	47	55.3%
NATURAL GAS	HP	114,761	93,506	22.7%	96,856	18.5%	1,360,246	1,438,019	-5.4%
LTD NAT GAS	HH	248,949	394,322	-36.9%	291,576	-14.6%	3,561,606	4,579,077	-22.2%
MINY NATURAL GAS	QG	53,544	45,578	17.5%	58,117	-7.9%	439,093	433,039	1.4%
PJM MONTHLY	JM	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS PHY	NG	9,337,326	7,851,274	18.9%	9,960,500	-6.3%	103,394,504	114,256,078	-9.5%
RBOB GAS	RT	0	0	0.0%	0	0.0%	84	14,386	-99.4%
3.5% FUEL OIL CID MED SWA	7D	0	10	-100.0%	0	0.0%	97	622	-84.4%
3.5% FUEL OIL CIF BALMO S	8D	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%
AEP-DAYTON HUB MTHLY	VM	0	0	0.0%	0	0.0%	0	0	0.0%
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	0.0%	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	N7	0	0	0.0%	0	-	0	0	0.0%
ALGONQUIN CITYGATES BASIS	B4	0	0	0.0%	0	0.0%	0	0	0.0%
ANR LOUISIANA BASIS SWAP	ND	0	0	0.0%	0	-	0	0	0.0%
ANR OKLAHOMA	NE	0	0	0.0%	0	0.0%	0	0	0.0%
ARGUS LLS VS. WTI (ARG) T	E5	4,125	15,739	-73.8%	3,935	4.8%	91,454	256,755	-64.4%
ARGUS PROPAN FAR EST INDE	7E	3,937	3,071	28.2%	5,190	-24.1%	71,392	68,590	4.1%
ARGUS PROPAN(SAUDI ARAMCO	9N	3,229	1,778	81.6%	2,747	17.5%	35,928	32,923	9.1%



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Energy Futures									
AUSTRIALIAN COKE COAL	ACT	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%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0.0%	1,960	285	587.7%
BRENT CALENDAR SWAP	CY	3,800	1,588	139.3%	7,638	-50.2%	85,595	39,825	114.9%
BRENT CFD SWAP	6W	0	0	0.0%	0	0.0%	0	300	-100.0%
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0.0%	7,000	20,864	-66.4%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	58	-100.0%	1,539	127	1,111.8%
BRENT FINANCIAL FUTURES	MDB	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%
BRENT OIL LAST DAY	BZS	0	0	0.0%	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 MW P	9X	0	0	0.0%	0	-	0	0	0.0%
CAISO SP15 EZGNHUB5 PEAK	9Z	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%
CENTERPOINT BASIS SWAP	PW	0	0	0.0%	0	0.0%	0	36	-100.0%
CHICAGO ETHANOL SWAP	CU	60,814	79,017	-23.0%	75,564	-19.5%	1,168,154	1,133,415	3.1%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	-	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	665	831	-20.0%	651	2.2%	6,681	5,838	14.4%
CHICAGO UNL GAS PL VS RBO	3C	0	125	-100.0%	0	0.0%	1,370	1,075	27.4%
CIG BASIS	CI	0	0	0.0%	0	0.0%	0	221	-100.0%
CIG ROCKIES NG INDEX SWA	Z8	0	0	0.0%	0	-	0	0	0.0%
CINERGY HUB OFF-PEAK MONT	EJ	0	0	0.0%	0	0.0%	0	0	0.0%
CINERGY HUB PEAK MONTH	EM	0	0	0.0%	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	K2	0	0	0.0%	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH PK	H5	440	1,254	-64.9%	0	0.0%	5,312	13,630	-61.0%
CIN HUB 5MW REAL TIME O P	H4	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%	325	1,505	-78.4%
COAL SWAP	ACM	0	0	0.0%	0	0.0%	0	570	-100.0%
COAL SWAP	SSI	0	0	0.0%	0	-	0	0	0.0%
COLUMB GULF MAINLINE NG B	5Z	0	214	-100.0%	0	0.0%	364	214	70.1%
COLUMBIA GULF ONSHORE	GL	0	0	0.0%	0	-	0	0	0.0%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	664	177	275.1%	222	199.1%	3,248	2,831	14.7%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	157	0	0.0%	675	-76.7%	5,574	2,831	96.9%
CONWAY PROPANE 5 DECIMALS SWAP	8K	10,373	11,614	-10.7%	12,903	-19.6%	171,286	186,616	-8.2%
CRUDE OIL	LPS	0	4,400	-100.0%	3,300	-100.0%	33,110	53,385	-38.0%
CRUDE OIL OUTRIGHTS	42	260	759	-65.7%	285	-8.8%	4,510	3,436	31.3%
CRUDE OIL OUTRIGHTS	CC5	111	225	-50.7%	960	-88.4%	4,892	555	781.4%

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Energy Futures									
CRUDE OIL OUTRIGHTS	CPD	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%
CRUDE OIL OUTRIGHTS	CSW	0	45	-100.0%	40	-100.0%	3,278	2,360	38.9%
CRUDE OIL OUTRIGHTS	DAB	540	0	-	0	-	540	0	-
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0.0%	730	99	637.4%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	0.0%	15	-100.0%	296	105	181.9%
CRUDE OIL OUTRIGHTS	HTT	75,262	25,623	193.7%	65,605	14.7%	716,767	555,118	29.1%
CRUDE OIL OUTRIGHTS	LSW	55	0	0.0%	1,305	-95.8%	4,543	335	1,256.1%
CRUDE OIL OUTRIGHTS	SSW	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	UMD	0	0	0.0%	0	0.0%	0	4,800	-100.0%
CRUDE OIL OUTRIGHTS	UNS	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%
CRUDE OIL OUTRIGHTS	WCW	1,315	8,540	-84.6%	2,770	-52.5%	43,525	73,558	-40.8%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	7,681	14,546	-47.2%	6,630	15.9%	183,174	24,641	643.4%
CRUDE OIL SPRDS	38	0	0	0.0%	150	-100.0%	150	2,055	-92.7%
CRUDE OIL SPRDS	ANT	180	0	-	0	-	180	0	-
CRUDE OIL SPRDS	HIL	600	0	-	0	0.0%	1,500	0	-
CRUDE OIL SPRDS	WTT	15,112	15,275	-1.1%	12,860	17.5%	243,696	430,553	-43.4%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	AOR	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	IDO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	NOC	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PAP	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PEO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PNO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PNP	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PWO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PWP	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	WOR	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	ZAO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	ZGO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	ZJO	0	0	0.0%	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	0.0%	0	-	0	0	0.0%
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0.0%	1,000	3,360	-70.2%

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Energy Futures									
DIESEL 10P BRG FOB RDM VS	7X	0	0.0%	0	0.0%	0	5	-100.0%	
DIESEL 10PPM BARGES FOB B	U7	0	0.0%	0	-	0	0	0.0%	
DOMINION TRAN INC - APP I	IH	0	0.0%	0	0.0%	0	0	0.0%	
DOMINION TRANSMISSION INC	PG	0	0.0%	0	0.0%	0	126	-100.0%	
DUBAI CRUDE OIL BALMO	BI	0	0.0%	0	0.0%	0	125	-100.0%	
DUBAI CRUDE OIL CALENDAR	DC	537	11,775	-95.4%	240	123.8%	18,592	111,582	-83.3%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	21,086	2,583	716.3%	25,206	-16.3%	147,926	20,664	615.9%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	-	0	0	0.0%
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0.0%	0	245	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0.0%	20	187	-89.3%
EIA FLAT TAX ONHWAY DIESE	A5	217	203	6.9%	36	502.8%	3,639	3,373	7.9%
ELEC ERCOT DLY OFF PK	14	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	13	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	17	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	12	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%
ELEC FINSETTLED	49	0	0	0.0%	0	-	0	0	0.0%
ELEC MISO PEAK	4L	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%
ELEC NYISO OFF-PEAK	4M	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%
ELECTRICITY ERCOT PEAK	ERE	0	0	0.0%	0	-	0	0	0.0%
ELECTRICITY OFF PEAK	46	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	4P	0	0	0.0%	0	0.0%	0	55,380	-100.0%
ELECTRICITY OFF PEAK	50	0	0	0.0%	0	-	0	0	0.0%
ELEC WEST POWER OFF-PEAK	MDA	0	0	0.0%	0	-	0	0	0.0%
ELEC WEST POWER PEAK	MDC	0	0	0.0%	0	-	0	0	0.0%
ERCOT DAILY 5MW PEAK	ERW	0	0	0.0%	0	-	0	0	0.0%
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	11	0	0	0.0%	0	0.0%	0	1,950	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	18	0	0	0.0%	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	16	0	0	0.0%	0	0.0%	0	19,600	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	15	0	0	0.0%	0	0.0%	0	5,050	-100.0%
ETHANOL	MTH	0	0	-	0	0.0%	50	0	-
ETHANOL	Z1B	0	5	-100.0%	0	0.0%	0	5	-100.0%
ETHANOL SWAP	MT2	495	30	1,550.0%	70	607.1%	1,455	700	107.9%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	3,353	2,355	42.4%	5,541	-39.5%	44,366	40,167	10.5%

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Energy Futures									
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0.0%	3	33	-90.9%
EURO 3.5% FUEL OIL RDAM B	KR	0	58	-100.0%	95	-100.0%	566	5,732	-90.1%
EURO 3.5% FUEL OIL SPREAD	FK	16	20	-20.0%	10	60.0%	198	860	-77.0%
EURO-DENOMINATED PETRO PROD	NCP	0	0	0.0%	0	0.0%	0	640	-100.0%
EURO GASOIL 10PPM VS ICE	ET	20	0	0.0%	0	0.0%	20	370	-94.6%
EUROPE 1% FUEL OIL NWE CA	UF	4	24	-83.3%	0	0.0%	648	570	13.7%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0.0%	0	3	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	28	10	180.0%	15	86.7%	428	1,001	-57.2%
EUROPE 3.5% FUEL OIL RDAM	UV	443	1,607	-72.4%	1,152	-61.5%	11,053	78,702	-86.0%
EUROPEAN GASOIL (ICE)	7F	40	176	-77.3%	84	-52.4%	1,268	7,105	-82.2%
EUROPEAN NAPHTHA BALMO	KZ	15	48	-68.8%	15	0.0%	1,463	3,087	-52.6%
EUROPEAN NAPHTHA CRACK SPR	EN	1,090	3,399	-67.9%	3,101	-64.9%	41,655	106,790	-61.0%
EUROPE DATED BRENT SWAP	UB	0	580	-100.0%	0	0.0%	1,633	5,300	-69.2%
EUROPE JET KERO NWE CALSW	UJ	0	0	0.0%	0	0.0%	8	39	-79.5%
EUROPE NAPHTHA CALSWAP	UN	819	1,669	-50.9%	567	44.4%	17,896	39,775	-55.0%
EURO PROPANE CIF ARA SWA	PS	726	942	-22.9%	1,941	-62.6%	21,688	21,260	2.0%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	ACB	120	0	-	0	0.0%	1,140	0	-
FREIGHT MARKETS	BF1	20	0	-	0	-	20	0	-
FREIGHT MARKETS	BF2	20	0	-	0	-	20	0	-
FREIGHT MARKETS	BF3	10	0	-	0	-	10	0	-
FREIGHT MARKETS	FLP	117	348	-66.4%	25	368.0%	1,633	2,533	-35.5%
FREIGHT MARKETS	FRC	0	0	0.0%	0	0.0%	1,652	600	175.3%
FREIGHT MARKETS	FRS	0	0	0.0%	10	-100.0%	80	0	0.0%
FREIGHT MARKETS	T2D	15	310	-95.2%	390	-96.2%	6,105	4,983	22.5%
FREIGHT MARKETS	TC6	0	0	0.0%	0	0.0%	0	240	-100.0%
FREIGHT MARKETS	TD3	0	0	0.0%	0	0.0%	140	30	366.7%
FREIGHT MARKETS	TD8	0	0	0.0%	0	0.0%	60	150	-60.0%
FREIGHT MARKETS	USC	0	0	-	0	0.0%	280	0	-
FUEL OIL CRACK VS ICE	FO	1,957	1,108	76.6%	2,049	-4.5%	21,118	38,610	-45.3%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0.0%	15	171	-91.2%
FUEL OIL (PLATS) CAR CM	1W	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	120	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	50	424	-88.2%	55	-9.1%	1,634	2,553	-36.0%
GAS EURO-BOB OXY NWE BARGES	7H	1,276	4,650	-72.6%	1,890	-32.5%	51,343	86,232	-40.5%
GAS EURO-BOB OXY NWE BARGES CRK	7K	3,345	8,075	-58.6%	8,606	-61.1%	89,625	206,227	-56.5%

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GASOIL 0.1 CIF MED SWAP	Z4	0	0.0%	0	-	0	0	0.0%	
GASOIL 0.1CIF MED VS ICE	Z5	0	0.0%	0	0.0%	0	10	-100.0%	
GASOIL 0.1 CIF NWE VS ISE	TU	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%	
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0.0%	0	0.0%	21	10	110.0%	
GASOIL 0.1 ROTTERDAM BARG	VL	10	10	0.0%	0	149	1,506	-90.1%	
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	-	0	0.0%	
GASOIL 10PPM VS ICE SWAP	TP	0	9	-100.0%	0	0.0%	39	21	85.7%
GASOIL BULLET SWAP	BG	0	0	0.0%	0	-	0	0.0%	
GASOIL CALENDAR SWAP	GX	30	0	0.0%	122	-75.4%	305	66	362.1%
GASOIL CRACK SPREAD CALEN	GZ	204	1,188	-82.8%	3,672	-94.4%	10,730	39,294	-72.7%
GASOIL MINI CALENDAR SWAP	QA	892	120	643.3%	1,433	-37.8%	6,175	2,947	109.5%
GERMAN POWER BASELOAD CAL MONTH FU	DEB	2,743	962	185.1%	811	238.2%	26,696	5,441	390.6%
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	0	0.0%	0	250	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	0.0%	0	0.0%	300	425	-29.4%
GRP THREE ULSD(PLT)VS HEA	A6	2,128	3,268	-34.9%	1,015	109.7%	38,592	42,527	-9.3%
GRP THREE UNL GS (PLT) VS	A8	2,155	2,495	-13.6%	1,185	81.9%	29,467	25,837	14.0%
GULF COAST 3% FUEL OIL BA	VZ	363	446	-18.6%	304	19.4%	9,191	14,048	-34.6%
GULF COAST JET FUEL CLNDR	GE	162	204	-20.6%	0	0.0%	429	1,606	-73.3%
GULF COAST JET VS NYM 2 H	ME	7,318	16,525	-55.7%	7,160	2.2%	217,981	403,914	-46.0%
GULF COAST NO.6 FUEL OIL	MF	17,116	30,639	-44.1%	15,229	12.4%	258,242	608,490	-57.6%
GULF COAST NO.6 FUEL OIL	MG	550	936	-41.2%	700	-21.4%	3,688	18,242	-79.8%
GULF COAST ULSD CALENDAR	LY	237	377	-37.1%	96	146.9%	4,053	3,950	2.6%
GULF COAST ULSD CRACK SPR	GY	0	0	0.0%	0	0.0%	360	1,655	-78.2%
HEATING OIL BALMO CLNDR S	1G	40	0	0.0%	0	0.0%	605	243	149.0%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	0.0%	18	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%	0	0	0.0%
HENRY HUB BASIS SWAP	HB	0	0	0.0%	4,960	-100.0%	21,170	32,088	-34.0%
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	0.0%	0	26,818	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	0	0.0%	0	0.0%	0	885	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	0	0	0.0%	4,960	-100.0%	21,170	32,088	-34.0%
HENRY HUB SWAP	NN	195,250	106,596	83.2%	88,866	119.7%	1,255,274	1,955,712	-35.8%
HOUSTON SHIP CHANNEL BASI	NH	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%
ICE BRENT DUBAI SWAP	DB	1,915	2,550	-24.9%	7,875	-75.7%	65,001	106,858	-39.2%
ICE GASOIL BALMO SWAP	U9	0	0	0.0%	0	-	0	0	0.0%

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Energy Futures									
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	0.0%	0	1,248	-100.0%
INDIANA MISO	FAD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FTM	0	0	0.0%	0	-	0	0	0.0%
INDIANA MISO	PDD	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%
INDONESIAN COAL	MCC	0	0	0.0%	0	-	0	0	0.0%
INDONESIAN COAL ICI4	ICI	206	40	415.0%	125	64.8%	3,711	1,760	110.9%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0.0%	196	1,890	-89.6%
JAPAN C&F NAPHTHA SWAP	JA	262	829	-68.4%	206	27.2%	10,336	23,044	-55.1%
JAPAN NAPHTHA BALMO SWAP	E6	28	9	211.1%	0	0.0%	361	637	-43.3%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	0.0%	0	0.0%	0	5	-100.0%
JET CIF NWE VS ICE	JC	0	35	-100.0%	0	0.0%	262	677	-61.3%
JET FUEL BRG FOB RDM VS I	9Q	0	0	0.0%	0	-	0	0	0.0%
JET FUEL CRG CIF NEW VS I	6X	0	0	0.0%	0	0.0%	132	0	0.0%
JET FUEL UP-DOWN BALMO CL	1M	2,246	5,705	-60.6%	1,775	26.5%	45,594	71,272	-36.0%
JKM LNG Futures	JKM	625	620	0.8%	3,366	-81.4%	21,367	16,299	31.1%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	-	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	0	192	-100.0%	0	0.0%	400	3,287	-87.8%
LA CARBOB GASOLINE(OPIS)S	JL	100	160	-37.5%	0	0.0%	2,975	5,670	-47.5%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	-	0	0	0.0%
LA JET (OPIS) SWAP	JS	900	595	51.3%	275	227.3%	13,784	21,774	-36.7%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	0.0%	0	607	-100.0%
LLS (ARGUS) VS WTI SWAP	WJ	0	1,195	-100.0%	1,244	-100.0%	19,989	60,624	-67.0%
LOS ANGELES CARB GASOLINE	MH	0	0	0.0%	0	0.0%	10	10	0.0%
MARS (ARGUS) VS WTI SWAP	YX	1,275	25	5,000.0%	200	537.5%	16,030	22,295	-28.1%
MARS (ARGUS) VS WTI TRD M	YV	16,845	13,300	26.7%	13,105	28.5%	215,863	233,266	-7.5%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0.0%	0	2,319	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	20,484	11,531	77.6%	30,522	-32.9%	357,509	274,172	30.4%
MCCLOSKEY RCH BAY COAL	MFF	903	975	-7.4%	1,544	-41.5%	25,865	33,286	-22.3%
MGF FUT	MGF	0	0	0.0%	0	0.0%	10	268	-96.3%
MGN1 SWAP FUT	MGN	30	110	-72.7%	10	200.0%	540	923	-41.5%
MICHIGAN BASIS	NF	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%

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Energy Futures									
MICHIGAN MISO	HMW	0	0	0.0%	0	0.0%	0	0	0.0%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	90	104	-13.5%	84	7.1%	2,169	3,902	-44.4%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	358	-100.0%	0	0.0%	3,910	3,741	4.5%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	667	835	-20.1%	1,072	-37.8%	21,061	20,908	0.7%
MJC FUT	MJC	0	0	0.0%	0	0.0%	150	1,460	-89.7%
MNC FUT	MNC	1,431	2,854	-49.9%	1,385	3.3%	37,392	48,644	-23.1%
MONT BELVIEU ETHANE 5 DECIMAL	C0	14,434	17,112	-15.6%	11,813	22.2%	187,794	189,923	-1.1%
MONT BELVIEU ETHANE OPIS BALMO	8C	347	210	65.2%	110	215.5%	1,851	1,900	-2.6%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	129,876	79,687	63.0%	135,386	-4.1%	1,717,506	1,462,178	17.5%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	944	2,956	-68.1%	1,764	-46.5%	31,494	29,975	5.1%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	6,651	5,810	14.5%	14,486	-54.1%	105,357	97,757	7.8%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	625	565	10.6%	685	-8.8%	7,781	4,191	85.7%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	52,156	27,196	91.8%	57,022	-8.5%	581,603	427,121	36.2%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,407	916	53.6%	916	53.6%	15,312	12,905	18.7%
NAT GAS BASIS SWAP	TZ6	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%
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS INDEX	TZI	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS PEN SWP	NP	16,368	32,241	-49.2%	33,654	-51.4%	345,737	422,431	-18.2%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	H2	0	0	0.0%	0	0.0%	71,600	136,440	-47.5%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0.0%	220	12,711	-98.3%
NEPOOL NE MASS 5MW D AH O	P8	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%
NEPOOL RHD ISLD 5MW D AH	U4	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	U5	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL W CNT MASS 5MW D A	L9	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL W CNTR M 5MW D AH	R6	0	0	0.0%	0	0.0%	0	0	0.0%
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	EZ	695	555	25.2%	1,380	-49.6%	10,043	12,583	-20.2%
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	JN	0	0	0.0%	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	NL	0	0	0.0%	0	0.0%	1,760	4,748	-62.9%
NGPL TEX/OK	PD	0	2,400	-100.0%	0	0.0%	2,696	50,116	-94.6%
N ILLINOIS HUB DAILY	UD	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
N ILLINOIS HUB MTHLY	UM	0	0	0.0%	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALEN	UT	0	150	-100.0%	0	0.0%	925	3,133	-70.5%
NORTHEN NATURAL GAS DEMAR	PE	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS VENTU	PF	0	0	0.0%	0	0.0%	0	100	-100.0%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	-	0	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	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	59	-100.0%
NY1% VS GC SPREAD SWAP	VR	460	1,465	-68.6%	305	50.8%	5,447	15,373	-64.6%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	0.0%	0	-	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	H1	0	110	-100.0%	0	0.0%	775	1,905	-59.3%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0.0%	25	50	-50.0%
NY HARBOR HEAT OIL SWP	MP	1,219	1,677	-27.3%	715	70.5%	24,236	29,460	-17.7%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	0.0%	0	0.0%	390	3,445	-88.7%
NY HARBOR RESIDUAL FUEL 1	MM	949	1,265	-25.0%	2,305	-58.8%	10,317	12,678	-18.6%
NY HARBOR RESIDUAL FUEL C	ML	0	0	0.0%	0	0.0%	0	50	-100.0%
NYH NO 2 CRACK SPREAD CAL	HK	1,410	60	2,250.0%	150	840.0%	6,585	8,636	-23.7%
NYISO A	KA	0	0	0.0%	0	-	0	0	0.0%
NYISO A OFF-PEAK	KB	0	0	0.0%	0	-	0	0	0.0%
NYISO CAPACITY	LHV	0	120	-100.0%	0	0.0%	620	766	-19.1%
NYISO CAPACITY	NNC	0	0	0.0%	0	0.0%	0	795	-100.0%
NYISO CAPACITY	NRS	0	60	-100.0%	0	0.0%	60	395	-84.8%
NYISO G	KG	0	0	0.0%	0	-	0	0	0.0%
NYISO G OFF-PEAK	KH	0	0	0.0%	0	-	0	0	0.0%
NYISO J	KJ	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0.0%	0	44,264	-100.0%
NYISO ZONE A 5MW D AH PK	K3	0	0	0.0%	0	0.0%	0	1,890	-100.0%
NYISO ZONE C 5MW D AH O P	A3	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%
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0.0%	101,424	626,384	-83.8%
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0.0%	8,394	21,159	-60.3%
NYISO ZONE J 5MW D AH O P	D4	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%
NYMEX ALUMINUM FUTURES	AN	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	UY	0	0	0.0%	0	0.0%	2,000	0	0.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	645	0	0.0%	0	0.0%	3,415	213	1,503.3%

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Energy Futures									
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0.0%	1,860	2,704	-31.2%
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	OFM	0	0	0.0%	0	-	0	0	0.0%
ONTARIO POWER SWAPS	OPD	0	0	0.0%	0	0.0%	25	10	150.0%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0.0%	100	0	0.0%
PANHANDLE BASIS SWAP FUTU	PH	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%
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	22	131	139	-5.8%	160	-18.1%	2,014	2,117	-4.9%
PETROCHEMICALS	32	47	111	-57.7%	89	-47.2%	1,185	1,745	-32.1%
PETROCHEMICALS	3NA	0	40	-100.0%	0	0.0%	49	51	-3.9%
PETROCHEMICALS	51	0	0	0.0%	0	0.0%	79	23	243.5%
PETROCHEMICALS	8I	598	133	349.6%	1,049	-43.0%	8,265	6,893	19.9%
PETROCHEMICALS	91	157	220	-28.6%	627	-75.0%	5,761	5,018	14.8%
PETROCHEMICALS	HPE	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAA	0	0	0.0%	0	0.0%	280	50	460.0%
PETROCHEMICALS	MAC	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAE	540	216	150.0%	408	32.4%	4,609	2,780	65.8%
PETROCHEMICALS	MAS	168	170	-1.2%	40	320.0%	2,450	2,251	8.8%
PETROCHEMICALS	MBE	10	270	-96.3%	700	-98.6%	3,975	9,160	-56.6%
PETROCHEMICALS	MNB	128	932	-86.3%	390	-67.2%	6,658	20,582	-67.7%
PETROCHEMICALS	MPS	350	109	221.1%	224	56.3%	2,774	1,462	89.7%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0.0%	50	0	0.0%
PETRO CRCKS & SPRDS ASIA	STR	0	390	-100.0%	0	0.0%	0	790	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0.0%	332	539	-38.4%
PETRO CRCKS & SPRDS NA	CRB	4,495	6,055	-25.8%	4,200	7.0%	77,511	35,880	116.0%
PETRO CRCKS & SPRDS NA	EXR	1,067	1,773	-39.8%	2,887	-63.0%	27,974	32,982	-15.2%
PETRO CRCKS & SPRDS NA	FOC	0	300	-100.0%	100	-100.0%	3,870	7,275	-46.8%
PETRO CRCKS & SPRDS NA	GBB	625	2,035	-69.3%	125	400.0%	6,749	14,760	-54.3%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0.0%	0	1,740	-100.0%
PETRO CRCKS & SPRDS NA	GCI	885	347	155.0%	1,243	-28.8%	14,364	14,947	-3.9%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0.0%	300	163	84.0%
PETRO CRCKS & SPRDS NA	GCU	2,004	8,077	-75.2%	8,240	-75.7%	42,072	130,251	-67.7%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0.0%	100	40	150.0%
PETRO CRCKS & SPRDS NA	HOB	855	84	917.9%	745	14.8%	19,331	9,206	110.0%



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Commodity		VOLUME DEC 2019	VOLUME DEC 2018	% CHG	VOLUME NOV 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Futures									
PETRO CRCKS & SPRDS NA	KSD	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%
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0.0%	0	50	-100.0%
PETRO CRCKS & SPRDS NA	NYF	100	0	0.0%	50	100.0%	225	0	0.0%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	RBB	2,236	325	588.0%	2,348	-4.8%	74,208	57,935	28.1%
PETRO CRCKS & SPRDS NA	RVG	8,979	13,142	-31.7%	7,186	25.0%	150,546	187,871	-19.9%
PETRO CRCKS & SPRDS NA	SF3	55	25	120.0%	50	10.0%	1,200	371	223.5%
PETRO CRK&SPRD EURO	1NB	525	410	28.0%	150	250.0%	11,233	20,126	-44.2%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0.0%	0	100	-100.0%
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0.0%	155	3,414	-95.5%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	60	0	0.0%
PETRO CRK&SPRD EURO	BOB	39	437	-91.1%	186	-79.0%	5,351	18,153	-70.5%
PETRO CRK&SPRD EURO	EGB	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	EGN	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	30	-100.0%	53	222	-76.1%
PETRO CRK&SPRD EURO	EPN	194	255	-23.9%	433	-55.2%	6,232	10,741	-42.0%
PETRO CRK&SPRD EURO	EVC	120	504	-76.2%	264	-54.5%	6,990	21,636	-67.7%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	0.0%	60	0	-
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0.0%	0	30	-100.0%
PETRO CRK&SPRD EURO	GCB	0	325	-100.0%	0	0.0%	527	1,005	-47.6%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0.0%	0	84	-100.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0.0%	160	220	-27.3%
PETRO CRK&SPRD EURO	MUD	10	0	0.0%	0	0.0%	140	173	-19.1%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0.0%	58	182	-68.1%
PETRO CRK&SPRD EURO	NOB	82	684	-88.0%	73	12.3%	3,591	21,394	-83.2%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0.0%	56	125	-55.2%
PETROLEUM PRODUCTS	1NM	125	0	-	20	525.0%	913	0	-
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	EWG	525	2,812	-81.3%	1,095	-52.1%	23,725	58,413	-59.4%
PETROLEUM PRODUCTS	H5F	228	0	-	5,168	-95.6%	5,396	0	-
PETROLEUM PRODUCTS	JCC	0	0	-	0	0.0%	720	0	-
PETROLEUM PRODUCTS	MBS	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	MGS	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	MME	0	0	0.0%	0	0.0%	0	60	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
PETROLEUM PRODUCTS	NCC	0	0	-	0	0.0%	10	0	-
PETROLEUM PRODUCTS	R5F	10	0	-	13	-23.1%	42	0	-
PETROLEUM PRODUCTS	S53	0	0	-	0	0.0%	56	0	-
PETROLEUM PRODUCTS	UP5	117	0	-	1,065	-89.0%	1,266	0	-
PETROLEUM PRODUCTS	VU	0	0	0.0%	300	-100.0%	815	1,339	-39.1%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	20	-100.0%	168	714	-76.5%
PETROLEUM PRODUCTS ASIA	MJN	290	1,400	-79.3%	80	262.5%	14,151	22,700	-37.7%
PETROLEUM PRODUCTS ASIA	MSB	0	0	0.0%	0	0.0%	20	0	0.0%
PETRO OUTFRIGHT EURO	0B	110	20	450.0%	16	587.5%	577	144	300.7%
PETRO OUTFRIGHT EURO	0C	0	0	0.0%	0	0.0%	45	23	95.7%
PETRO OUTFRIGHT EURO	0D	852	1,205	-29.3%	545	56.3%	14,805	15,797	-6.3%
PETRO OUTFRIGHT EURO	0E	0	11	-100.0%	0	0.0%	136	249	-45.4%
PETRO OUTFRIGHT EURO	0F	184	439	-58.1%	52	253.8%	3,734	6,014	-37.9%
PETRO OUTFRIGHT EURO	1T	0	0	0.0%	0	0.0%	8	39	-79.5%
PETRO OUTFRIGHT EURO	33	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTFRIGHT EURO	5L	10	22	-54.5%	8	25.0%	246	286	-14.0%
PETRO OUTFRIGHT EURO	63	0	0	0.0%	0	0.0%	107	217	-50.7%
PETRO OUTFRIGHT EURO	6L	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	7I	0	0	0.0%	46	-100.0%	985	1,235	-20.2%
PETRO OUTFRIGHT EURO	7R	12	77	-84.4%	70	-82.9%	1,358	3,083	-56.0%
PETRO OUTFRIGHT EURO	88	0	0	0.0%	0	0.0%	31	125	-75.2%
PETRO OUTFRIGHT EURO	CBB	0	0	0.0%	0	0.0%	50	80	-37.5%
PETRO OUTFRIGHT EURO	CGB	0	0	0.0%	0	0.0%	20	0	0.0%
PETRO OUTFRIGHT EURO	CPB	328	155	111.6%	255	28.6%	2,708	3,608	-24.9%
PETRO OUTFRIGHT EURO	EFF	25	0	0.0%	22	13.6%	219	185	18.4%
PETRO OUTFRIGHT EURO	EFM	0	0	0.0%	0	0.0%	31	0	0.0%
PETRO OUTFRIGHT EURO	ENS	0	5	-100.0%	0	0.0%	163	150	8.7%
PETRO OUTFRIGHT EURO	ESB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	EWN	87	599	-85.5%	63	38.1%	4,356	8,461	-48.5%
PETRO OUTFRIGHT EURO	FBD	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	FLB	0	0	0.0%	0	0.0%	6	5	20.0%
PETRO OUTFRIGHT EURO	GES	0	0	0.0%	0	0.0%	0	5	-100.0%
PETRO OUTFRIGHT EURO	H5G	345	0	-	918	-62.4%	1,602	0	-
PETRO OUTFRIGHT EURO	M1B	592	0	-	700	-15.4%	2,237	0	-
PETRO OUTFRIGHT EURO	M35	0	0	-	0	0.0%	24	0	-
PETRO OUTFRIGHT EURO	MBB	0	0	0.0%	5	-100.0%	5	321	-98.4%

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Commodity		VOLUME DEC 2019	VOLUME DEC 2018	% CHG	VOLUME NOV 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Futures									
PETRO OUTFRIGHT EURO	MBN	370	1,044	-64.6%	10	3,600.0%	3,601	10,161	-64.6%
PETRO OUTFRIGHT EURO	MEF	38	312	-87.8%	215	-82.3%	3,535	1,812	95.1%
PETRO OUTFRIGHT EURO	R53	0	0	-	96	-100.0%	203	0	-
PETRO OUTFRIGHT EURO	R5M	259	0	-	225	15.1%	1,867	0	-
PETRO OUTFRIGHT EURO	R5O	340	0	-	74	359.5%	2,569	0	-
PETRO OUTFRIGHT EURO	S5F	19	0	-	27	-29.6%	155	0	-
PETRO OUTFRIGHT EURO	S5M	756	0	-	445	69.9%	2,470	0	-
PETRO OUTFRIGHT EURO	S5O	356	0	-	186	91.4%	861	0	-
PETRO OUTFRIGHT EURO	SMU	120	0	0.0%	0	0.0%	970	553	75.4%
PETRO OUTFRIGHT EURO	T0	0	0	0.0%	0	0.0%	0	9	-100.0%
PETRO OUTFRIGHT EURO	T2B	0	0	-	0	0.0%	15	0	-
PETRO OUTFRIGHT EURO	TMB	0	0	-	0	0.0%	50	0	-
PETRO OUTFRIGHT EURO	ULB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	V0	0	0	0.0%	0	0.0%	0	980	-100.0%
PETRO OUTFRIGHT EURO	X0	0	0	0.0%	0	0.0%	0	116	-100.0%
PETRO OUTFRIGHT NA	FCB	0	0	0.0%	0	0.0%	426	808	-47.3%
PETRO OUTFRIGHT NA	FOM	0	0	0.0%	0	0.0%	0	8	-100.0%
PETRO OUTFRIGHT NA	JE	0	0	0.0%	0	0.0%	240	111	116.2%
PETRO OUTFRIGHT NA	JET	700	1,720	-59.3%	1,025	-31.7%	25,680	35,110	-26.9%
PETRO OUTFRIGHT NA	JTB	225	450	-50.0%	250	-10.0%	7,798	8,000	-2.5%
PETRO OUTFRIGHT NA	MBL	10	0	0.0%	50	-80.0%	334	40	735.0%
PETRO OUTFRIGHT NA	MEN	105	94	11.7%	78	34.6%	1,862	4,846	-61.6%
PETRO OUTFRIGHT NA	MEO	733	1,405	-47.8%	1,995	-63.3%	25,216	39,908	-36.8%
PETRO OUTFRIGHT NA	MFD	172	0	0.0%	35	391.4%	545	100	445.0%
PETRO OUTFRIGHT NA	MMF	35	40	-12.5%	0	0.0%	854	260	228.5%
PETRO OUTFRIGHT NA	NYT	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT NA	XER	0	0	0.0%	0	0.0%	0	300	-100.0%
PJM AD HUB 5MW REAL TIME	V3	0	7,440	-100.0%	0	0.0%	117,180	72,197	62.3%
PJM AD HUB 5MW REAL TIME	Z9	0	840	-100.0%	0	0.0%	2,560	15,198	-83.2%
PJM AECO DA OFF-PEAK	X1	0	0	0.0%	0	-	0	0	0.0%
PJM AECO DA PEAK	Y1	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%
PJM APS ZONE DA PEAK	S4	0	0	0.0%	0	-	0	0	0.0%
PJM ATSI ELEC	MOD	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%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
PJM BGE DA PEAK	E3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	D8	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%
PJM DAYTON DA OFF-PEAK	R7	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%
PJM JCPL DA OFF-PEAK	F2	0	0	0.0%	0	-	0	0	0.0%
PJM JCPL DA PEAK	J2	0	0	0.0%	0	-	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	840	-100.0%	0	0.0%	3,845	7,220	-46.7%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0.0%	70,000	5,925	1,081.4%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0.0%	0	770	-100.0%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0.0%	0	64	-100.0%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	0.0%	0	0.0%	0	2,960	-100.0%
PJM PPL DA OFF-PEAK	F5	0	0	0.0%	0	-	0	0	0.0%
PJM PPL DA PEAK	L5	0	0	0.0%	0	-	0	0	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0.0%	0	78,780	-100.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0.0%	0	4,235	-100.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0.0%	0	101,810	-100.0%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0.0%	0	5,525	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	20,040	-100.0%	0	0.0%	47,100	392,520	-88.0%
PJM WESTH RT PEAK	L1	6,168	2,860	115.7%	0	0.0%	59,799	63,850	-6.3%
PLASTICS	PGP	380	537	-29.2%	736	-48.4%	8,328	5,560	49.8%
PREMIUM UNLND 10P FOB MED	3G	0	320	-100.0%	21	-100.0%	858	3,158	-72.8%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0.0%	139	443	-68.6%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	0.0%	0	0.0%	20	83	-75.9%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	40	-100.0%	0	0.0%	35	366	-90.4%
PROPANE NON-LDHD MB (OPIS) BALMO SWP	1S	855	1,817	-52.9%	773	10.6%	16,300	7,013	132.4%
PROPANE NON-LDHD MT. BEL (OPIS) SWP	1R	19,169	11,666	64.3%	30,849	-37.9%	240,228	150,843	59.3%
RBOB CALENDAR SWAP	RL	4,364	3,201	36.3%	6,227	-29.9%	67,785	65,352	3.7%
RBOB CRACK SPREAD	RM	570	75	660.0%	2,060	-72.3%	14,130	9,658	46.3%
RBOB CRACK SPREAD BALMO S	1E	0	0	0.0%	0	0.0%	25	0	0.0%
RBOB GASOLINE BALMO CLNDR	1D	693	509	36.1%	1,587	-56.3%	11,098	11,687	-5.0%
RBOB PHY	RBL	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%
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	0	0.0%	150	1,975	-92.4%

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Energy Futures									
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0.0%	0	58	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	0.0%	0	360	-100.0%
SINGAPORE 180CST BALMO	BS	0	16	-100.0%	0	0.0%	230	499	-53.9%
SINGAPORE 380CST BALMO	BT	5	160	-96.9%	116	-95.7%	937	2,454	-61.8%
SINGAPORE 380CST FUEL OIL	SE	616	3,863	-84.1%	2,134	-71.1%	30,678	95,826	-68.0%
SINGAPORE FUEL 180CST CAL	UA	81	201	-59.7%	103	-21.4%	2,511	8,683	-71.1%
SINGAPORE FUEL OIL SPREAD	SD	90	75	20.0%	49	83.7%	778	6,261	-87.6%
SINGAPORE GASOIL	MAF	816	2,695	-69.7%	2,372	-65.6%	23,372	4,748	392.2%
SINGAPORE GASOIL	MTB	65	61	6.6%	65	0.0%	772	615	25.5%
SINGAPORE GASOIL	MTS	831	2,935	-71.7%	1,725	-51.8%	39,136	55,855	-29.9%
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0.0%	0	4,300	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	0	0.0%	0	0.0%	0	50	-100.0%
SINGAPORE GASOIL CALENDAR	GDL	0	0	0.0%	0	0.0%	0	250	-100.0%
SINGAPORE GASOIL CALENDAR	GHS	0	9	-100.0%	0	0.0%	270	9	2,900.0%
SINGAPORE GASOIL CALENDAR	MGO	0	21	-100.0%	0	0.0%	0	221	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	1,343	250	437.2%	313	329.1%	3,425	5,132	-33.3%
SINGAPORE GASOIL CALENDAR	SGG	0	0	0.0%	0	0.0%	0	325	-100.0%
SINGAPORE GASOIL SWAP	SG	1,494	2,085	-28.3%	1,293	15.5%	12,033	49,344	-75.6%
SINGAPORE GASOIL VS ICE	GA	75	1,325	-94.3%	90	-16.7%	4,758	130,138	-96.3%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0.0%	50	215	-76.7%
SINGAPORE JET KERO GASOIL	RK	0	525	-100.0%	0	0.0%	100	35,345	-99.7%
SINGAPORE JET KEROSENE SW	KS	1,414	175	708.0%	490	188.6%	7,909	13,450	-41.2%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	0.0%	0	0.0%	0	400	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	296	-100.0%	0	0.0%	1,500	6,067	-75.3%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	6,835	10,126	-32.5%	5,972	14.5%	101,129	162,080	-37.6%
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	0.0%	0	200	-100.0%
SING FUEL	MSD	0	0	0.0%	25	-100.0%	30	100	-70.0%
SOCAL PIPE SWAP	XN	0	0	0.0%	0	-	0	0	0.0%
SONAT BASIS SWAP FUTURE	SZ	0	0	0.0%	0	-	0	0	0.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	0.0%	0	0.0%	0	0	0.0%
Sumas Basis Swap	NK	0	0	0.0%	0	0.0%	0	91	-100.0%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	0.0%	0	-	0	0	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	5	0	0.0%	25	-80.0%	2,461	1,052	133.9%
TC5 RAS TANURA TO YOKOHAM	TH	195	480	-59.4%	15	1,200.0%	3,611	1,665	116.9%
TCO BASIS SWAP	TC	0	856	-100.0%	0	0.0%	0	856	-100.0%
TCO NG INDEX SWAP	Q1	0	0	0.0%	0	-	0	0	0.0%

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Energy Futures									
TD3 MEG TO JAPAN 250K MT	TL	2,409	3,125	-22.9%	2,836	-15.1%	61,189	20,671	196.0%
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	0	-	0	0	0.0%
TENNESSEE 800 LEG NG BASI	6Z	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%
TETCO M-3 INDEX	IX	0	0	0.0%	0	-	0	0	0.0%
Tetco STX Basis	TX	0	0	0.0%	0	0.0%	0	0	0.0%
TEXAS EASTERN ZONE M-3 BA	NX	0	0	0.0%	0	0.0%	0	0	0.0%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	0.0%	0	0.0%	0	0	0.0%
Transco Zone 3 Basis	CZ	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 3 NG INDEX S	Y6	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%
TRANSCO ZONE 4 NAT GAS IN	B2	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%
TRANSCO ZONE 6 INDEX	IT	0	0	0.0%	0	-	0	0	0.0%
UCM FUT	UCM	0	20	-100.0%	0	0.0%	20	80	-75.0%
UK NBP NAT GAS CAL MTH FUT	UKG	1,106	970	14.0%	295	274.9%	7,445	49,382	-84.9%
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	-	0	0	0.0%
ULSD 10PPM CIF MED VS ICE	Z7	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%
ULSD UP-DOWN BALMO SWP	1L	9,575	3,600	166.0%	4,950	93.4%	70,855	67,675	4.7%
UP DOWN GC ULSD VS NMX HO	LT	28,961	20,772	39.4%	39,211	-26.1%	409,270	383,467	6.7%
WAHA BASIS	NW	0	250	-100.0%	0	0.0%	650	3,451	-81.2%
WAHA INDEX SWAP FUTURE	IY	0	0	0.0%	0	-	0	0	0.0%
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0.0%	0	25	-100.0%
WTI-BRENT BULLET SWAP	BY	250	0	0.0%	0	0.0%	2,203	6,650	-66.9%
WTI-BRENT CALENDAR SWAP	BK	31,709	13,439	135.9%	34,765	-8.8%	428,919	346,950	23.6%
WTI CALENDAR	CS	50,289	25,795	95.0%	60,076	-16.3%	512,762	399,374	28.4%
WTS (ARGUS) VS WTI SWAP	FF	6,373	2,574	147.6%	1,440	342.6%	52,510	91,302	-42.5%
WTS (ARGUS) VS WTI TRD MT	FH	0	120	-100.0%	115	-100.0%	7,270	6,345	14.6%
Energy Options									
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	0.0%	0	-	0	0	0.0%
BRENT 1 MONTH CAL	AA	0	0	0.0%	0	0.0%	0	3,000	-100.0%
BRENT CALENDAR SWAP	BA	186	3,000	-93.8%	900	-79.3%	4,896	16,462	-70.3%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	0.0%	0	0.0%	0	2,000	-100.0%



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Energy Options									
BRENT CRUDE OIL 1 M CSO	9C	100	12,000	-99.2%	0	0.0%	35,890	423,088	-91.5%
BRENT CRUDE OIL 6 M CSO	9L	0	0	0.0%	0	0.0%	0	1,000	-100.0%
BRENT OIL LAST DAY	BE	16,750	64,882	-74.2%	13,000	28.8%	372,326	469,058	-20.6%
BRENT OIL LAST DAY	BZO	53,102	98,552	-46.1%	78,154	-32.1%	1,088,704	1,967,269	-44.7%
BRENT OIL LAST DAY	OS	0	100	-100.0%	0	0.0%	0	1,290	-100.0%
COAL API2 INDEX	CLA	0	50	-100.0%	0	0.0%	225	6,640	-96.6%
COAL API2 INDEX	CQA	0	0	0.0%	0	0.0%	835	3,655	-77.2%
COAL API2 INDEX	MTC	0	0	0.0%	0	-	0	0	0.0%
COAL API4 INDEX	RLA	0	0	0.0%	0	0.0%	0	25	-100.0%
COAL API4 INDEX	RQA	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%
COAL SWAP	RPF	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL	6Y	0	0	-	0	0.0%	150	0	-
CRUDE OIL 1MO	WA	106,052	179,500	-40.9%	109,150	-2.8%	2,460,664	2,410,650	2.1%
CRUDE OIL APO	AO	99,113	47,949	106.7%	105,348	-5.9%	639,489	534,847	19.6%
CRUDE OIL CALNDR STRIP	6F	200	0	0.0%	0	0.0%	400	170	135.3%
CRUDE OIL OUTRIGHTS	AH	0	0	0.0%	0	0.0%	0	8,000	-100.0%
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	WCI	0	0	0.0%	0	0.0%	960	390	146.2%
CRUDE OIL PHY	CD	500	500	0.0%	0	0.0%	1,800	21,350	-91.6%
CRUDE OIL PHY	LC	14,720	20,051	-26.6%	18,448	-20.2%	138,884	149,026	-6.8%
CRUDE OIL PHY	LO	1,997,556	3,227,028	-38.1%	1,926,989	3.7%	31,250,967	44,521,982	-29.8%
CRUDE OIL PHY	LO1	37,861	19,355	95.6%	15,754	140.3%	210,177	188,943	11.2%
CRUDE OIL PHY	LO2	26,626	738	3,507.9%	12,536	112.4%	179,113	179,572	-0.3%
CRUDE OIL PHY	LO3	25,399	25,872	-1.8%	341	7,348.4%	124,926	160,965	-22.4%
CRUDE OIL PHY	LO4	23,138	18,466	25.3%	24,448	-5.4%	207,146	202,068	2.5%
CRUDE OIL PHY	LO5	0	0	0.0%	20,801	-100.0%	69,759	71,635	-2.6%
ELEC MISO PEAK	9T	0	0	0.0%	0	-	0	0	0.0%
ETHANOL	CE1	0	0	0.0%	0	0.0%	0	275	-100.0%
ETHANOL	CE3	0	0	0.0%	0	0.0%	0	150	-100.0%
ETHANOL SWAP	CVR	5,220	3,712	40.6%	6,540	-20.2%	121,721	70,070	73.7%
ETHANOL SWAP	GVR	270	405	-33.3%	0	0.0%	1,050	3,898	-73.1%
EUROPEAN JET KEROSENE NWE (PLATTS) A	30	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	TDT	0	0	-	0	0.0%	1,800	0	-
GASOLINE	GCE	0	0	0.0%	0	-	0	0	0.0%
HEATING OIL CRACK OPTIONS	CH	0	0	0.0%	0	-	0	0	0.0%

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Energy Options									
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	0.0%	0	-	0	0	0.0%
HEATING OIL PHY	LB	372	1,048	-64.5%	0	0.0%	2,374	2,767	-14.2%
HEATING OIL PHY	OH	11,904	37,381	-68.2%	22,081	-46.1%	316,435	386,859	-18.2%
HENRY HUB FINANCIAL LAST	E7	6,138	4,495	36.6%	1,599	283.9%	70,896	52,503	35.0%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	400	-100.0%	2,550	2,600	-1.9%
LLS CRUDE OIL	WJO	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%
MCCLOSKEY ARA ARGS COAL	MTO	75	0	0.0%	300	-75.0%	555	290	91.4%
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	25	-100.0%	1,125	2,145	-47.6%
NATURAL GAS	G10	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	283,600	78,539	261.1%	161,152	76.0%	1,198,305	570,809	109.9%
NATURAL GAS 2 M CSO FIN	G2	10,100	0	0.0%	14,825	-31.9%	31,150	1,430	2,078.3%
NATURAL GAS 3 M CSO FIN	G3	23,500	0	0.0%	2,900	710.3%	251,925	44,246	469.4%
NATURAL GAS 5 M CSO FIN	G5	300	0	0.0%	1,350	-77.8%	6,400	2,550	151.0%
NATURAL GAS 6 M CSO FIN	G6	29,350	6,350	362.2%	42,650	-31.2%	136,025	102,850	32.3%
NATURAL GAS OPTION ON CALENDAR STRP	6J	2,400	2,980	-19.5%	3,220	-25.5%	31,440	37,282	-15.7%
NATURAL GAS PHY	KD	2,474	1,045	136.7%	3,308	-25.2%	46,755	202,634	-76.9%
NATURAL GAS PHY	LN	1,765,692	1,724,856	2.4%	2,011,641	-12.2%	19,232,369	22,852,904	-15.8%
NATURAL GAS PHY	ON	180,108	148,156	21.6%	158,072	13.9%	1,581,253	2,383,119	-33.6%
NATURAL GAS WINTER STRIP	6I	0	0	0.0%	0	0.0%	1,500	2,700	-44.4%
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0.0%	4,352	3,556	22.4%
NY HARBOR HEAT OIL SWP	AT	1,270	3,680	-65.5%	270	370.4%	27,861	35,782	-22.1%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL APO	F7	0	0	0.0%	0	-	0	0	0.0%
PANHANDLE PIPE SWAP	PU	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	4H	0	0	0.0%	27	-100.0%	4,872	6,662	-26.9%
PETROCHEMICALS	4J	0	0	0.0%	0	0.0%	200	1,350	-85.2%
PETROCHEMICALS	4K	0	0	0.0%	0	0.0%	560	3,300	-83.0%
PETROCHEMICALS	CPR	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%
PETRO OUTRIGHT EURO	BCO	0	0	-	0	0.0%	36	0	-
PETRO OUTRIGHT NA	DAP	120	240	-50.0%	120	0.0%	660	792	-16.7%
PJM WES HUB PEAK CAL MTH	6OA	200	60	233.3%	150	33.3%	1,200	860	39.5%
PJM WES HUB PEAK CAL MTH	JOA	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%	836	7,488	-88.8%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0.0%	150	700	-78.6%



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Energy Options									
RBOB CALENDAR SWAP	RA	60	225	-73.3%	0	0.0%	636	1,350	-52.9%
RBOB CRACK	RX	0	0	0.0%	0	0.0%	0	2	-100.0%
RBOB PHY	OB	4,629	8,808	-47.4%	7,460	-37.9%	153,519	144,932	5.9%
RBOB PHY	RF	0	0	0.0%	0	0.0%	1,624	125	1,199.2%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	0.0%	3,880	2,149	80.5%
SHORT TERM	C15	0	0	0.0%	0	0.0%	0	500	-100.0%
SHORT TERM	U11	500	0	0.0%	50	900.0%	1,250	1,236	1.1%
SHORT TERM	U12	50	0	0.0%	0	0.0%	1,530	1,900	-19.5%
SHORT TERM	U13	0	0	0.0%	101	-100.0%	251	500	-49.8%
SHORT TERM	U14	0	0	0.0%	0	0.0%	150	863	-82.6%
SHORT TERM	U15	0	0	0.0%	400	-100.0%	1,675	797	110.2%
SHORT TERM	U22	0	0	0.0%	0	0.0%	1	1,271	-99.9%
SHORT TERM	U23	0	0	0.0%	0	0.0%	117	898	-87.0%
SHORT TERM	U24	0	0	0.0%	0	0.0%	250	879	-71.6%
SHORT TERM	U25	0	0	0.0%	0	0.0%	0	152	-100.0%
SHORT TERM	U26	0	0	0.0%	0	0.0%	100	600	-83.3%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0.0%	650	550	18.2%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	500	-100.0%	675	2,798	-75.9%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0.0%	704	2,279	-69.1%
SHORT TERM NATURAL GAS	U04	400	0	0.0%	100	300.0%	1,400	1,975	-29.1%
SHORT TERM NATURAL GAS	U05	375	0	0.0%	0	0.0%	625	1,630	-61.7%
SHORT TERM NATURAL GAS	U06	100	0	0.0%	0	0.0%	605	1,500	-59.7%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	104	-100.0%	754	1,851	-59.3%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0.0%	2,650	1,477	79.4%
SHORT TERM NATURAL GAS	U09	100	0	0.0%	0	0.0%	800	1,634	-51.0%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0.0%	1,150	1,250	-8.0%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0.0%	250	700	-64.3%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0.0%	450	2,296	-80.4%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	200	-100.0%	325	1,622	-80.0%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	100	-100.0%	200	348	-42.5%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	200	-100.0%	500	1,425	-64.9%
SHORT TERM NATURAL GAS	U21	0	250	-100.0%	0	0.0%	50	613	-91.8%
SHORT TERM NATURAL GAS	U27	0	100	-100.0%	0	0.0%	0	525	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	0	0.0%	425	100	325.0%
SHORT TERM NATURAL GAS	U29	0	0	0.0%	50	-100.0%	150	510	-70.6%

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Energy Options									
SHORT TERM NATURAL GAS	U30	200	0	0.0%	0	0.0%	800	100	700.0%
SHORT TERM NATURAL GAS	U31	0	450	-100.0%	0	0.0%	1,400	477	193.5%
SINGAPORE GASOIL CALENDAR	M2	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%
SOCAL PIPE SWAP	ZN	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT BULLET SWAP	BV	18,825	17,585	7.1%	32,200	-41.5%	584,330	856,315	-31.8%
WTI CRUDE OIL 1 M CSO FI	7A	29,740	26,900	10.6%	29,600	0.5%	596,260	893,940	-33.3%
Metals Futures									
COMEX GOLD	GC	5,394,199	4,132,009	30.5%	8,927,418	-39.6%	86,508,741	80,301,590	7.7%
NYMEX HOT ROLLED STEEL	HR	9,093	7,205	26.2%	10,396	-12.5%	173,756	119,569	45.3%
NYMEX PLATINUM	PL	588,197	498,165	18.1%	399,670	47.2%	5,862,290	5,463,799	7.3%
PALLADIUM	PA	83,049	74,888	10.9%	131,275	-36.7%	1,266,701	1,433,712	-11.6%
URANIUM	UX	20	714	-97.2%	0	0.0%	10,621	7,162	48.3%
COMEX SILVER	SI	1,542,726	1,300,620	18.6%	2,334,288	-33.9%	24,149,148	23,987,051	0.7%
COMEX E-Mini GOLD	QO	15,678	4,651	237.1%	22,811	-31.3%	241,481	96,481	150.3%
COMEX E-Mini SILVER	QI	2,021	847	138.6%	2,484	-18.6%	49,552	13,401	269.8%
COMEX COPPER	HG	1,665,718	1,406,137	18.5%	2,116,656	-21.3%	24,008,860	32,710,103	-26.6%
COMEX MINY COPPER	QC	320	262	22.1%	497	-35.6%	7,449	5,195	43.4%
ALUMINUM	A38	0	40	-100.0%	0	0.0%	22	112	-80.4%
ALUMINUM	AEP	2,285	1,491	53.3%	7,452	-69.3%	31,620	20,068	57.6%
ALUMINUM	ALA	20	0	0.0%	242	-91.7%	1,182	5,755	-79.5%
ALUMINUM	ALI	2,721	0	0.0%	2,963	-8.2%	15,659	0	0.0%
ALUMINUM	AUP	7,315	3,434	113.0%	11,831	-38.2%	81,758	98,922	-17.4%
ALUMINUM	CUP	300	0	0.0%	0	0.0%	300	205	46.3%
ALUMINUM	EDP	1,083	634	70.8%	4,576	-76.3%	27,415	17,730	54.6%
ALUMINUM	MJP	1,050	780	34.6%	240	337.5%	11,560	13,155	-12.1%
COPPER	HGS	1,244	1,031	20.7%	582	113.7%	11,165	17,294	-35.4%
FERROUS PRODUCTS	BUS	356	1,200	-70.3%	1,158	-69.3%	12,453	20,175	-38.3%
GOLD	GPS	0	0	0.0%	0	-	0	0	0.0%
GOLD	SGC	827	0	-	4,417	-81.3%	14,828	0	-
GOLD	SGU	6,541	0	-	15,264	-57.1%	27,891	0	-
Gold Kilo	GCK	0	0	0.0%	0	0.0%	0	136	-100.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	0.0%	0	0.0%	0	0	0.0%

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NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME DEC 2019	VOLUME DEC 2018	% CHG	VOLUME NOV 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Metals Futures									
IRON ORE 62 CHINA TSI FUTURES	TIO	1,566	1,581	-0.9%	1,919	-18.4%	54,130	44,127	22.7%
LNDN ZINC	ZNC	0	582	-100.0%	0	0.0%	1,230	14,057	-91.2%
MICRO GOLD	MGC	512,931	155,462	229.9%	692,043	-25.9%	5,707,849	1,801,078	216.9%
SILVER	SIL	27,758	10,730	158.7%	54,536	-49.1%	354,422	100,519	252.6%
Metals Options									
COMEX COPPER	HX	53,650	25,537	110.1%	56,995	-5.9%	704,806	351,780	100.4%
COMEX GOLD	OG	857,264	970,905	-11.7%	950,720	-9.8%	15,043,949	11,751,255	28.0%
COMEX SILVER	SO	159,877	114,737	39.3%	160,698	-0.5%	2,208,237	1,847,187	19.5%
COPPER	H1E	120	16	650.0%	185	-35.1%	764	178	329.2%
COPPER	H2E	128	6	2,033.3%	140	-8.6%	1,066	154	592.2%
COPPER	H3E	111	6	1,750.0%	38	192.1%	1,133	119	852.1%
COPPER	H4E	1	6	-83.3%	51	-98.0%	361	177	104.0%
COPPER	H5E	0	0	0.0%	506	-100.0%	603	12	4,925.0%
GOLD	OG1	40,632	14,809	174.4%	22,670	79.2%	493,369	137,349	259.2%
GOLD	OG2	45,691	16,226	181.6%	41,244	10.8%	460,929	129,124	257.0%
GOLD	OG3	46,278	18,762	146.7%	47,333	-2.2%	389,230	144,799	168.8%
GOLD	OG4	17,506	9,772	79.1%	21,912	-20.1%	243,235	88,255	175.6%
GOLD	OG5	0	0	0.0%	21,070	-100.0%	83,447	32,861	153.9%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	0.0%	0	0.0%	1,050	300	250.0%
HOT ROLLED COIL STEEL PUT OPTION	HRO	0	0	-	150	-100.0%	150	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	0	0.0%	0	0.0%	6,830	200	3,315.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	30	0	0.0%	0	0.0%	3,630	1,280	183.6%
NYMEX PLATINUM	PO	4,152	2,553	62.6%	2,074	100.2%	41,412	45,372	-8.7%
PALLADIUM	PAO	639	845	-24.4%	1,308	-51.1%	14,317	29,533	-51.5%
SILVER	SO1	5,200	239	2,075.7%	1,535	238.8%	26,964	5,789	365.8%
SILVER	SO2	6,107	590	935.1%	3,105	96.7%	26,964	5,708	372.4%
SILVER	SO3	1,642	1,718	-4.4%	2,296	-28.5%	19,702	8,489	132.1%
SILVER	SO4	1,772	567	212.5%	727	143.7%	8,859	4,486	97.5%
SILVER	SO5	0	0	0.0%	1,386	-100.0%	5,419	2,746	97.3%



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME DEC 2019	VOLUME DEC 2018	% CHG	VOLUME NOV 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
TOTAL FUTURES GROUP								
Ag Products Futures	1	1	0.0%	2	-50.0%	59	85	-30.6%
Energy Futures	39,266,877	41,017,589	-4.3%	40,089,719	-2.1%	537,091,469	565,244,290	-5.0%
Metals Futures	9,867,018	7,602,463	29.8%	14,742,718	-33.1%	148,632,083	146,291,396	1.6%
TOTAL FUTURES	49,133,896	48,620,053	1.1%	54,832,439	-10.4%	685,723,611	711,535,771	-3.6%
TOTAL OPTIONS GROUP								
Energy Options	4,779,375	5,785,308	-17.4%	4,827,564	-1.0%	61,223,842	80,060,765	-23.5%
Metals Options	1,240,800	1,177,294	5.4%	1,336,143	-7.1%	19,786,426	14,587,153	35.6%
TOTAL OPTIONS	6,020,175	6,962,602	-13.5%	6,163,707	-2.3%	81,010,268	94,647,918	-14.4%
TOTAL COMBINED								
Ag Products	1	1	0.0%	2	-50.0%	59	85	-30.6%
Energy	44,046,252	46,802,897	-5.9%	44,917,283	-1.9%	598,315,311	645,305,055	-7.3%
Metals	11,107,818	8,779,757	26.5%	16,078,861	-30.9%	168,418,509	160,878,549	4.7%
GRAND TOTAL	55,154,071	55,582,655	-0.8%	60,996,146	-9.6%	766,733,879	806,183,689	-4.9%