

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME NOV 2022	VOLUME NOV 2021	% CHG	VOLUME OCT 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
Ag Products Futures									
COFFEE	KT	0	0	0.0%	0	0.0%	0	2	-100.0%
COTTON	TT	0	0	0.0%	0	-	0	0	0.0%
SUGAR 11	YO	0	0	0.0%	0	-	0	0	0.0%
Energy Futures									
CRUDE OIL PHY	CL	16,410,464	22,982,482	-28.6%	14,339,648	14.4%	191,188,101	230,984,726	-17.2%
CRUDE OIL	WS	0	0	0.0%	0	0.0%	1,000	3,732	-73.2%
MINY WTI CRUDE OIL	QM	432,710	618,678	-30.1%	463,840	-6.7%	6,554,053	4,781,553	37.1%
BRENT OIL LAST DAY	BZ	1,466,257	2,227,127	-34.2%	1,450,089	1.1%	16,216,849	22,473,372	-27.8%
HEATING OIL PHY	HO	2,674,562	3,817,258	-29.9%	3,545,120	-24.6%	36,744,154	35,906,565	2.3%
HTG OIL	BH	0	0	0.0%	36	-100.0%	108	124	-12.9%
MINY HTG OIL	QH	13	9	44.4%	10	30.0%	99	70	41.4%
RBOB PHY	RB	2,894,347	4,136,008	-30.0%	3,052,704	-5.2%	38,239,717	44,525,093	-14.1%
MINY RBOB GAS	QU	5	8	-37.5%	7	-28.6%	95	94	1.1%
NATURAL GAS	HP	147,873	142,005	4.1%	148,152	-0.2%	1,845,769	1,772,135	4.2%
LTD NAT GAS	HH	365,864	336,990	8.6%	348,893	4.9%	3,900,873	3,706,474	5.2%
MINY NATURAL GAS	QG	325,570	326,126	-0.2%	198,820	63.8%	3,411,265	2,110,945	61.6%
PJM MONTHLY	JM	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS PHY	NG	6,959,599	7,555,349	-7.9%	6,411,375	8.6%	78,532,906	89,918,681	-12.7%
RBOB GAS	RT	0	0	0.0%	24	-100.0%	72	84	-14.3%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	-	0	0	0.0%
AEP-DAYTON HUB DAILY	VD	0	0	0.0%	0	0.0%	0	0	0.0%
ARGUS LLS VS. WTI (ARG) T	E5	2,870	5,661	-49.3%	6,400	-55.2%	63,190	93,008	-32.1%
ARGUS PROPAN FAR EST INDE	7E	9,075	5,703	59.1%	6,132	48.0%	66,316	67,501	-1.8%
ARGUS PROPAN(SAUDI ARAMCO	9N	3,027	1,901	59.2%	1,873	61.6%	22,410	20,144	11.2%
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	-	0	0	0.0%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0.0%	1,587	1,314	20.8%
BRENT CALENDAR SWAP	CY	5,948	13,493	-55.9%	8,339	-28.7%	153,925	112,681	36.6%
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0.0%	0	4,000	-100.0%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0.0%	250	0	0.0%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0.0%	0	68	-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%

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Energy Futures									
CAR VINTAGE	GEO	7,863	4,389	79.2%	5,617	40.0%	40,182	13,871	189.7%
CAR VINTAGE	NGO	10,399	9,016	15.3%	8,343	24.6%	129,161	27,254	373.9%
CHICAGO ETHANOL SWAP	CU	55,334	77,780	-28.9%	58,545	-5.5%	653,012	812,487	-19.6%
CHICAGO ULSD PL VS HO SPR	5C	440	25	1,660.0%	1,540	-71.4%	7,123	3,722	91.4%
CHICAGO UNL GAS PL VS RBO	3C	0	75	-100.0%	0	0.0%	0	500	-100.0%
CIG BASIS	CI	0	0	0.0%	0	-	0	0	0.0%
CIN HUB 5MW D AH PK	H5	0	0	0.0%	0	-	0	0	0.0%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	-	0	0	0.0%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	-	0	0	0.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	0.0%	0	-	0	0	0.0%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	15	50	-70.0%	365	-95.9%	2,976	3,308	-10.0%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	605	215	181.4%	330	83.3%	4,112	3,197	28.6%
CONWAY PROPANE 5 DECIMALS SWAP	8K	19,902	14,895	33.6%	18,518	7.5%	180,860	163,489	10.6%
CRUDE OIL	LPS	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL LAST DAY	26	697	457	52.5%	390	78.7%	4,719	3,130	50.8%
CRUDE OIL OUTRIGHTS	42	524	309	69.6%	418	25.4%	9,558	3,342	186.0%
CRUDE OIL OUTRIGHTS	CC5	0	0	0.0%	422	-100.0%	1,988	9,906	-79.9%
CRUDE OIL OUTRIGHTS	CSW	0	0	0.0%	60	-100.0%	1,320	14,019	-90.6%
CRUDE OIL OUTRIGHTS	DAB	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	0.0%	0	0.0%	105	2,464	-95.7%
CRUDE OIL OUTRIGHTS	HTT	90,319	90,500	-0.2%	65,799	37.3%	813,236	697,020	16.7%
CRUDE OIL OUTRIGHTS	LSW	0	90	-100.0%	82	-100.0%	4,347	10,372	-58.1%
CRUDE OIL OUTRIGHTS	WCW	150	7,295	-97.9%	140	7.1%	17,420	41,637	-58.2%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	0	0	0.0%	0	0.0%	0	20,147	-100.0%
CRUDE OIL PHY	MCL	2,239,156	2,015,644	11.1%	2,178,545	2.8%	28,241,937	6,654,042	324.4%
CRUDE OIL SPRDS	38	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL SPRDS	ANT	0	1,564	-100.0%	330	-100.0%	8,466	5,711	48.2%
CRUDE OIL SPRDS	HIL	0	240	-100.0%	0	0.0%	3,255	5,590	-41.8%
CRUDE OIL SPRDS	WTT	61,415	41,441	48.2%	43,044	42.7%	571,752	294,639	94.1%
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%



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Energy Futures									
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%
DAILY PJM	PNP	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%	2,220	2,715	-18.2%
DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	0	0.0%	5	30	-83.3%
DOMINION TRANSMISSION INC	PG	0	0	0.0%	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	-	0	0	0.0%
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0.0%	2,000	0	0.0%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	0	1,712	-100.0%	0	0.0%	14,607	433,381	-96.6%
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0.0%	0	0	0.0%
EIA FLAT TAX ONHWAY DIESE	A5	1,173	28	4,089.3%	0	0.0%	2,011	4,367	-54.0%
ELEC FINSETTLED	47	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%
ELECTRICITY OFF PEAK	4P	0	0	0.0%	0	-	0	0	0.0%
EMMISSIONS	CGO	3,391	0	-	1,437	136.0%	22,428	0	-
ETHANOL	MTH	0	0	0.0%	0	0.0%	10	10	0.0%
ETHANOL SWAP	MT2	155	315	-50.8%	300	-48.3%	2,120	2,128	-0.4%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	3,655	3,929	-7.0%	2,783	31.3%	38,533	40,870	-5.7%
EURO 3.5% FUEL OIL RDAM B	KR	0	35	-100.0%	0	0.0%	0	81	-100.0%
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	-	0	0	0.0%
EURO GASOIL 10 CAL SWAP	GT	0	0	-	0	0.0%	3	0	-
EURO GASOIL 10PPM VS ICE	ET	0	45	-100.0%	0	0.0%	1,169	2,812	-58.4%
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0.0%	0	84	-100.0%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	-	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	UI	0	0	0.0%	0	0.0%	0	13	-100.0%
EUROPE 3.5% FUEL OIL RDAM	UV	1	99	-99.0%	13	-92.3%	560	541	3.5%
EUROPEAN GASOIL (ICE)	7F	129	371	-65.2%	199	-35.2%	13,592	8,353	62.7%

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Energy Futures									
EUROPEAN NAPHTHA BALMO	KZ	30	75	-60.0%	5	500.0%	211	118	78.8%
EUROPEAN NAPHTHA CRACK SPR	EN	293	2,502	-88.3%	1,292	-77.3%	21,700	18,928	14.6%
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0.0%	0	710	-100.0%
EUROPE JET KERO NWE CALSW	UJ	0	0	0.0%	0	0.0%	0	20	-100.0%
EUROPE NAPHTHA CALSWAP	UN	823	681	20.9%	343	139.9%	6,704	6,760	-0.8%
EURO PROPANE CIF ARA SWA	PS	1,721	1,907	-9.8%	2,313	-25.6%	19,618	17,333	13.2%
FREIGHT MARKETS	ACB	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	BF1	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	BF2	0	5	-100.0%	0	0.0%	0	124	-100.0%
FREIGHT MARKETS	BF3	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	BL2	132	50	164.0%	0	0.0%	1,377	285	383.2%
FREIGHT MARKETS	CS3	0	0	-	0	0.0%	10	0	-
FREIGHT MARKETS	CS4	120	0	-	0	0.0%	480	0	-
FREIGHT MARKETS	FLJ	0	5	-100.0%	0	0.0%	0	97	-100.0%
FREIGHT MARKETS	FLP	0	88	-100.0%	68	-100.0%	296	702	-57.8%
FREIGHT MARKETS	FRC	0	0	0.0%	0	0.0%	36	70	-48.6%
FREIGHT MARKETS	T2D	57	0	0.0%	20	185.0%	785	784	0.1%
FREIGHT MARKETS	T7C	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	T8C	0	0	0.0%	0	0.0%	0	10	-100.0%
FREIGHT MARKETS	TC6	0	225	-100.0%	0	0.0%	0	225	-100.0%
FREIGHT MARKETS	TD3	0	0	-	0	0.0%	0	0	-
FREIGHT MARKETS	USC	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	USE	0	0	0.0%	0	0.0%	0	90	-100.0%
FUEL OIL CRACK VS ICE	FO	12	0	0.0%	0	0.0%	1,204	2,203	-45.3%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0.0%	66	72	-8.3%
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	-	0	0	0.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BARGES	7H	147	358	-58.9%	21	600.0%	2,129	7,235	-70.6%
GAS EURO-BOB OXY NWE BARGES CRK	7K	1,249	7,478	-83.3%	1,207	3.5%	26,012	59,763	-56.5%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0.0%	45	60	-25.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0.0%	10	42	-76.2%
GASOIL 0.1 ROTTERDAM BARG	VL	10	15	-33.3%	0	0.0%	76	178	-57.3%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	12	-100.0%	12	0	0.0%
GASOIL CALENDAR SWAP	GX	36	164	-78.0%	6	500.0%	1,013	1,586	-36.1%
GASOIL CRACK SPREAD CALEN	GZ	12	4,683	-99.7%	0	0.0%	10,971	20,494	-46.5%

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Energy Futures									
GASOIL MINI CALENDAR SWAP	QA	360	607	-40.7%	116	210.3%	3,177	4,060	-21.7%
GERMAN POWER BASELOAD CAL MONTH FU	DEB	0	6	-100.0%	0	0.0%	0	244	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	0.0%	0	-	0	0	0.0%
GRP THREE ULSD(PLT)VS HEA	A6	3,035	3,460	-12.3%	4,826	-37.1%	49,238	47,395	3.9%
GRP THREE UNL GS (PLT) VS	A8	1,625	2,740	-40.7%	905	79.6%	32,487	29,034	11.9%
GULF COAST 3% FUEL OIL BA	VZ	0	28	-100.0%	0	0.0%	967	740	30.7%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0.0%	0	0	0.0%
GULF COAST JET VS NYM 2 H	ME	4,422	9,535	-53.6%	5,219	-15.3%	100,870	222,242	-54.6%
GULF COAST NO.6 FUEL OIL	MF	4,566	545	737.8%	9,657	-52.7%	49,763	18,759	165.3%
GULF COAST NO.6 FUEL OIL	MG	16,081	4,050	297.1%	13,424	19.8%	94,358	28,788	227.8%
GULF COAST ULSD CALENDAR	LY	1,203	68	1,669.1%	0	0.0%	2,007	4,206	-52.3%
GULF COAST ULSD CRACK SPR	GY	0	0	0.0%	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	1G	20	235	-91.5%	87	-77.0%	3,510	3,140	11.8%
HEATING OIL CRCK SPRD BAL	1H	0	0	0.0%	0	0.0%	127	2,450	-94.8%
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%	0	0	0.0%
HEATING OIL PHY	MHO	36	0	-	40	-10.0%	102	0	-
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	-	0	0	0.0%
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	-	0	0	0.0%
HENRY HUB INDEX SWAP FUTU	IN	0	0	0.0%	0	-	0	0	0.0%
HENRY HUB SWAP	NN	14,672	14,775	-0.7%	23,546	-37.7%	295,238	342,416	-13.8%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	0.0%	0	0	0.0%
ICE BRENT DUBAI SWAP	DB	220	1,140	-80.7%	0	0.0%	2,413	6,744	-64.2%
ICE GASOIL BALMO SWAP	U9	0	0	0.0%	0	0.0%	0	46	-100.0%
INDIANA MISO	FTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PDD	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 ICI4	ICI	0	0	0.0%	0	0.0%	0	1,124	-100.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	6	-100.0%	0	0.0%	428	6	7,033.3%
JAPAN C&F NAPHTHA SWAP	JA	47	46	2.2%	141	-66.7%	1,210	668	81.1%
JAPAN NAPHTHA BALMO SWAP	E6	0	6	-100.0%	0	0.0%	6	18	-66.7%
JET CIF NWE VS ICE	JC	0	386	-100.0%	24	-100.0%	1,525	1,750	-12.9%
JET FUEL UP-DOWN BALMO CL	1M	125	1,275	-90.2%	245	-49.0%	15,366	17,114	-10.2%
JKM LNG Futures	JKM	386	830	-53.5%	335	15.2%	3,609	6,423	-43.8%
LA CARB DIESEL (OPIS) SWA	KL	43	35	22.9%	10	330.0%	2,334	1,980	17.9%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0.0%	0	225	-100.0%

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Energy Futures									
LA JET (OPIS) SWAP	JS	25	705	-96.5%	50	-50.0%	3,400	5,725	-40.6%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	0.0%	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	WJ	0	336	-100.0%	0	0.0%	93	2,786	-96.7%
LOS ANGELES CARB GASOLINE	MH	0	0	0.0%	0	-	0	0	0.0%
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0.0%	1,685	1,750	-3.7%
MARS (ARGUS) VS WTI TRD M	YV	11,873	18,456	-35.7%	15,185	-21.8%	168,219	203,347	-17.3%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	-	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	MTF	2,132	8,920	-76.1%	926	130.2%	55,782	146,782	-62.0%
MCCLOSKEY RCH BAY COAL	MFF	15	1,542	-99.0%	80	-81.3%	4,151	10,581	-60.8%
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0.0%	0	0	0.0%
MICHIGAN BASIS	NF	0	0	0.0%	0	-	0	0	0.0%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	0	68	-100.0%	0	0.0%	263	193	36.3%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	0	0.0%	0	0.0%	50	391	-87.2%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	310	319	-2.8%	130	138.5%	3,364	6,138	-45.2%
MJC FUT	MJC	0	0	0.0%	0	0.0%	0	50	-100.0%
MNC FUT	MNC	1,658	1,964	-15.6%	1,545	7.3%	18,555	10,318	79.8%
MONT BELVIEU ETHANE 5 DECIMAL	C0	37,839	29,425	28.6%	32,072	18.0%	400,423	321,678	24.5%
MONT BELVIEU ETHANE OPIS BALMO	8C	1,176	1,450	-18.9%	220	434.5%	10,077	9,848	2.3%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	199,579	195,629	2.0%	192,621	3.6%	1,898,487	2,081,079	-8.8%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	2,379	1,957	21.6%	1,593	49.3%	29,449	33,830	-13.0%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	20,191	17,526	15.2%	27,114	-25.5%	267,044	163,373	63.5%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	2,393	207	1,056.0%	2,814	-15.0%	18,781	6,672	181.5%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	60,424	55,203	9.5%	57,789	4.6%	605,894	608,338	-0.4%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,577	1,183	33.3%	2,247	-29.8%	16,734	13,999	19.5%
NATURAL GAS	NWM	0	0	-	305	-100.0%	305	0	-
NATURAL GAS PEN SWP	NP	27,154	41,693	-34.9%	33,039	-17.8%	478,558	584,427	-18.1%
NEPOOL INTR HUB 5MW D AH	H2	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH O	P8	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%
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	EZ	490	245	100.0%	605	-19.0%	9,482	1,815	422.4%
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	0.0%

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NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME NOV 2022	VOLUME NOV 2021	% CHG	VOLUME OCT 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
Energy Futures									
NGPL TEX/OK	PD	0	0	0.0%	0	-	0	0	0.0%
N ILLINOIS HUB DAILY	UD	0	0	0.0%	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALEN	UT	0	0	0.0%	0	-	0	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	0.0%	0	-	0	0	0.0%
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0.0%	0	0	0.0%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	MP	3,327	2,532	31.4%	1,038	220.5%	15,816	12,636	25.2%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	0.0%	0	0.0%	0	1,570	-100.0%
NY HARBOR RESIDUAL FUEL 1	MM	75	200	-62.5%	75	0.0%	1,425	2,424	-41.2%
NYH NO 2 CRACK SPREAD CAL	HK	105	562	-81.3%	1,344	-92.2%	17,055	17,045	0.1%
NYISO CAPACITY	LHV	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO CAPACITY	NRS	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%
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH O P	D4	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%
NYMEX ALUMINUM FUTURES	AN	0	0	0.0%	0	-	0	0	0.0%
NYMEX ULSD VS NYMEX HO	UY	0	0	0.0%	0	-	0	0	0.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	998	0	0.0%	840	18.8%	6,410	650	886.2%
PANHANDLE BASIS SWAP FUTU	PH	0	0	0.0%	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	22	142	292	-51.4%	82	73.2%	1,532	1,995	-23.2%
PETROCHEMICALS	32	98	73	34.2%	92	6.5%	523	690	-24.2%
PETROCHEMICALS	3NA	2	13	-84.6%	45	-95.6%	269	162	66.0%
PETROCHEMICALS	51	0	0	0.0%	0	0.0%	15	0	0.0%
PETROCHEMICALS	81	0	0	0.0%	0	0.0%	424	147	188.4%
PETROCHEMICALS	8I	200	574	-65.2%	1,683	-88.1%	9,539	12,509	-23.7%
PETROCHEMICALS	91	680	510	33.3%	377	80.4%	3,891	4,454	-12.6%
PETROCHEMICALS	MAA	30	50	-40.0%	0	0.0%	490	475	3.2%
PETROCHEMICALS	MAE	1,522	1,405	8.3%	1,292	17.8%	13,104	10,665	22.9%
PETROCHEMICALS	MAS	460	557	-17.4%	310	48.4%	4,030	4,212	-4.3%
PETROCHEMICALS	MBE	50	60	-16.7%	0	0.0%	760	710	7.0%
PETROCHEMICALS	MNB	0	16	-100.0%	0	0.0%	15	2,055	-99.3%
PETROCHEMICALS	MPS	618	606	2.0%	329	87.8%	3,244	4,343	-25.3%

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NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME NOV 2022	VOLUME NOV 2021	% CHG	VOLUME OCT 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG	
Energy Futures									
PETROCHEMICALS	PMF	0	0	0.0%	0	0.0%	14	9	55.6%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	CRB	9,830	12,040	-18.4%	11,592	-15.2%	174,119	222,366	-21.7%
PETRO CRCKS & SPRDS NA	EXR	172	694	-75.2%	132	30.3%	2,853	6,979	-59.1%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0.0%	700	655	6.9%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0.0%	150	370	-59.5%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0.0%	275	880	-68.8%
PETRO CRCKS & SPRDS NA	GFC	0	14	-100.0%	0	0.0%	1,350	474	184.8%
PETRO CRCKS & SPRDS NA	HOB	0	1,430	-100.0%	0	0.0%	577	5,310	-89.1%
PETRO CRCKS & SPRDS NA	MFR	0	0	0.0%	0	0.0%	0	145	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	RBB	25	967	-97.4%	673	-96.3%	6,651	16,081	-58.6%
PETRO CRCKS & SPRDS NA	RVG	861	225	282.7%	1,720	-49.9%	20,396	11,595	75.9%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	1NB	378	50	656.0%	336	12.5%	2,499	433	477.1%
PETRO CRK&SPRD EURO	43	0	5	-100.0%	0	0.0%	121	26	365.4%
PETRO CRK&SPRD EURO	BOB	0	294	-100.0%	0	0.0%	605	1,474	-59.0%
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0.0%	0	5	-100.0%
PETRO CRK&SPRD EURO	EPN	348	885	-60.7%	374	-7.0%	4,313	6,026	-28.4%
PETRO CRK&SPRD EURO	EVC	40	20	100.0%	40	0.0%	867	856	1.3%
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0.0%	9	0	0.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0.0%	0	70	-100.0%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	NBB	0	9	-100.0%	0	0.0%	0	9	-100.0%
PETRO CRK&SPRD EURO	NOB	17	68	-75.0%	75	-77.3%	934	551	69.5%
PETROLEUM PRODUCTS	1NM	0	0	0.0%	0	0.0%	50	717	-93.0%
PETROLEUM PRODUCTS	BEB	0	0	0.0%	0	0.0%	0	3	-100.0%
PETROLEUM PRODUCTS	BEF	0	0	0.0%	0	0.0%	2	3	-33.3%
PETROLEUM PRODUCTS	CMS	0	0	0.0%	350	-100.0%	1,590	730	117.8%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME NOV 2022	VOLUME NOV 2021	% CHG	VOLUME OCT 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG	
Energy Futures									
PETROLEUM PRODUCTS	EWG	50	350	-85.7%	150	-66.7%	4,817	5,298	-9.1%
PETROLEUM PRODUCTS	H5F	100	0	0.0%	150	-33.3%	885	60	1,375.0%
PETROLEUM PRODUCTS	JCC	50	450	-88.9%	2,250	-97.8%	13,566	2,600	421.8%
PETROLEUM PRODUCTS	MME	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0.0%	0	14	-100.0%
PETROLEUM PRODUCTS	NCC	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	R5E	0	0	0.0%	0	0.0%	0	5	-100.0%
PETROLEUM PRODUCTS	R5F	17	98	-82.7%	24	-29.2%	473	540	-12.4%
PETROLEUM PRODUCTS	S53	0	12	-100.0%	0	0.0%	0	12	-100.0%
PETROLEUM PRODUCTS	UCS	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	UP5	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0.0%	1,148	341	236.7%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	10	-100.0%	50	10	400.0%
PETROLEUM PRODUCTS ASIA	MJN	240	280	-14.3%	320	-25.0%	7,416	2,894	156.3%
PETRO OUTFRIGHT EURO	0B	0	0	0.0%	0	0.0%	0	223	-100.0%
PETRO OUTFRIGHT EURO	0C	0	0	0.0%	0	0.0%	0	75	-100.0%
PETRO OUTFRIGHT EURO	0D	60	64	-6.2%	62	-3.2%	355	940	-62.2%
PETRO OUTFRIGHT EURO	0E	0	0	0.0%	0	0.0%	0	20	-100.0%
PETRO OUTFRIGHT EURO	0F	0	0	0.0%	0	0.0%	9	9	0.0%
PETRO OUTFRIGHT EURO	1T	0	0	0.0%	0	0.0%	0	20	-100.0%
PETRO OUTFRIGHT EURO	5L	20	0	0.0%	0	0.0%	30	0	0.0%
PETRO OUTFRIGHT EURO	63	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	7I	0	0	0.0%	0	0.0%	285	50	470.0%
PETRO OUTFRIGHT EURO	7R	0	17	-100.0%	8	-100.0%	46	79	-41.8%
PETRO OUTFRIGHT EURO	CBB	0	0	0.0%	0	0.0%	0	33	-100.0%
PETRO OUTFRIGHT EURO	CGB	0	0	0.0%	0	0.0%	30	0	0.0%
PETRO OUTFRIGHT EURO	CPB	80	130	-38.5%	12	566.7%	1,766	3,612	-51.1%
PETRO OUTFRIGHT EURO	EFF	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	EFM	0	0	0.0%	0	0.0%	0	12	-100.0%
PETRO OUTFRIGHT EURO	ENS	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTFRIGHT EURO	EWN	405	88	360.2%	480	-15.6%	2,170	2,095	3.6%
PETRO OUTFRIGHT EURO	FLB	0	0	0.0%	0	0.0%	0	5	-100.0%
PETRO OUTFRIGHT EURO	GNO	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	H5G	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTFRIGHT EURO	JFB	0	0	0.0%	0	0.0%	0	10	-100.0%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME NOV 2022	VOLUME NOV 2021	% CHG	VOLUME OCT 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
Energy Futures									
PETRO OUTFRIGHT EURO	M1B	574	707	-18.8%	817	-29.7%	11,589	13,399	-13.5%
PETRO OUTFRIGHT EURO	MBB	0	0	0.0%	0	0.0%	0	240	-100.0%
PETRO OUTFRIGHT EURO	MBN	390	210	85.7%	410	-4.9%	6,411	3,760	70.5%
PETRO OUTFRIGHT EURO	MEF	20	18	11.1%	0	0.0%	114	2,355	-95.2%
PETRO OUTFRIGHT EURO	MQA	30	3	900.0%	0	0.0%	218	68	220.6%
PETRO OUTFRIGHT EURO	R53	0	0	0.0%	0	0.0%	0	127	-100.0%
PETRO OUTFRIGHT EURO	R5B	0	0	0.0%	0	0.0%	0	56	-100.0%
PETRO OUTFRIGHT EURO	R5M	1,305	2,163	-39.7%	1,440	-9.4%	19,022	13,903	36.8%
PETRO OUTFRIGHT EURO	R5O	472	1,134	-58.4%	511	-7.6%	10,096	8,150	23.9%
PETRO OUTFRIGHT EURO	RBM	10	0	0.0%	0	0.0%	122	34	258.8%
PETRO OUTFRIGHT EURO	S5B	0	0	0.0%	0	0.0%	5	5	0.0%
PETRO OUTFRIGHT EURO	S5F	110	106	3.8%	101	8.9%	1,260	1,186	6.2%
PETRO OUTFRIGHT EURO	S5M	2,096	2,013	4.1%	2,074	1.1%	23,810	19,430	22.5%
PETRO OUTFRIGHT EURO	S5O	1,062	3,004	-64.6%	712	49.2%	27,043	14,147	91.2%
PETRO OUTFRIGHT EURO	SMU	0	50	-100.0%	0	0.0%	0	1,450	-100.0%
PETRO OUTFRIGHT EURO	SR5	12	0	-	12	0.0%	132	0	-
PETRO OUTFRIGHT EURO	T0	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	T2B	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	TLB	0	33	-100.0%	0	0.0%	0	58	-100.0%
PETRO OUTFRIGHT EURO	ULB	625	0	0.0%	0	-	625	0	0.0%
PETRO OUTFRIGHT EURO	UNB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	V0	0	132	-100.0%	0	0.0%	0	582	-100.0%
PETRO OUTFRIGHT NA	A8B	75	0	0.0%	50	50.0%	2,380	1,090	118.3%
PETRO OUTFRIGHT NA	AB6	435	170	155.9%	590	-26.3%	3,880	2,100	84.8%
PETRO OUTFRIGHT NA	BCR	900	2,200	-59.1%	2,050	-56.1%	26,070	20,707	25.9%
PETRO OUTFRIGHT NA	DBB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT NA	FCB	0	0	0.0%	0	0.0%	0	32	-100.0%
PETRO OUTFRIGHT NA	H5B	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT NA	JE	0	0	0.0%	0	0.0%	60	275	-78.2%
PETRO OUTFRIGHT NA	JET	575	125	360.0%	975	-41.0%	6,360	4,150	53.3%
PETRO OUTFRIGHT NA	JTB	25	0	0.0%	75	-66.7%	2,161	665	225.0%
PETRO OUTFRIGHT NA	MBL	60	60	0.0%	75	-20.0%	920	731	25.9%
PETRO OUTFRIGHT NA	MEN	13	308	-95.8%	0	0.0%	594	935	-36.5%
PETRO OUTFRIGHT NA	MEO	497	359	38.4%	302	64.6%	3,108	4,928	-36.9%
PETRO OUTFRIGHT NA	MFD	0	0	0.0%	0	0.0%	0	0	0.0%



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME NOV 2022	VOLUME NOV 2021	% CHG	VOLUME OCT 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
Energy Futures									
PETRO OUTRIGHT NA	MMF	0	0	0.0%	10	-100.0%	20	65	-69.2%
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	Z9	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%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	-	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B6	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	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	-	0	0	0.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	-	0	0	0.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	-	0	0	0.0%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	-	0	0	0.0%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0.0%	0	0	0.0%
PLASTICS	PGP	729	2,026	-64.0%	1,347	-45.9%	10,648	15,267	-30.3%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0.0%	111	185	-40.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	2,000	1,333	50.0%	2,404	-16.8%	18,530	14,899	24.4%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	24,838	22,174	12.0%	14,183	75.1%	152,674	181,670	-16.0%
RBOB CALENDAR SWAP	RL	7,857	4,571	71.9%	8,402	-6.5%	60,164	73,411	-18.0%
RBOB CRACK SPREAD	RM	300	575	-47.8%	395	-24.1%	15,212	21,699	-29.9%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	0.0%	127	0	-
RBOB GASOLINE BALMO CLNDR	1D	9	833	-98.9%	647	-98.6%	12,525	8,835	41.8%
RBOB PHY	MRB	30	0	-	31	-3.2%	89	0	-
RBOB PHY	RBL	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	420	-100.0%	975	1,105	-11.8%
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE 180CST BALMO	BS	1	0	0.0%	0	0.0%	3	0	0.0%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0.0%	1	23	-95.7%
SINGAPORE 380CST FUEL OIL	SE	20	189	-89.4%	12	66.7%	1,323	2,023	-34.6%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	3	-100.0%	3	0	0.0%
SINGAPORE FUEL OIL 180 CS	GMS	0	0	0.0%	0	0.0%	0	12	-100.0%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	45	-100.0%	102	0	0.0%
SINGAPORE GASOIL	MAF	69	350	-80.3%	77	-10.4%	4,026	3,089	30.3%
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0.0%	196	52	276.9%

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NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME NOV 2022	VOLUME NOV 2021	% CHG	VOLUME OCT 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
Energy Futures									
SINGAPORE GASOIL	MTS	277	437	-36.6%	386	-28.2%	3,645	4,091	-10.9%
SINGAPORE GASOIL	SBM	0	60	-100.0%	0	0.0%	332	178	86.5%
SINGAPORE GASOIL CALENDAR	MSG	26	235	-88.9%	61	-57.4%	1,272	8,346	-84.8%
SINGAPORE GASOIL SWAP	SG	0	225	-100.0%	15	-100.0%	3,155	13,308	-76.3%
SINGAPORE GASOIL VS ICE	GA	0	1,080	-100.0%	0	0.0%	3,936	11,108	-64.6%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE JET KERO GASOIL	RK	0	1,758	-100.0%	0	0.0%	3,725	3,748	-0.6%
SINGAPORE JET KEROSENE SW	KS	0	1,300	-100.0%	0	0.0%	405	3,435	-88.2%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	0	0.0%	0	0.0%	810	610	32.8%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	0	725	-100.0%	0	0.0%	600	7,281	-91.8%
Sumas Basis Swap	NK	0	0	0.0%	0	-	0	0	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	12	0	0.0%	144	-91.7%	450	300	50.0%
TC5 RAS TANURA TO YOKOHAM	TH	0	0	0.0%	0	0.0%	243	620	-60.8%
TCO BASIS SWAP	TC	0	0	0.0%	0	-	0	0	0.0%
TD3 MEG TO JAPAN 250K MT	TL	120	845	-85.8%	40	200.0%	6,405	12,245	-47.7%
TEXAS EASTERN ZONE M-3 BA	NX	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%
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	0.0%	0	0.0%	0	2,535	-100.0%
ULSD UP-DOWN BALMO SWP	1L	4,510	6,255	-27.9%	7,335	-38.5%	65,989	55,049	19.9%
UP DOWN GC ULSD VS NMX HO	LT	20,476	30,319	-32.5%	21,792	-6.0%	284,703	378,058	-24.7%
WAHA BASIS	NW	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	43,728	80,450	-45.6%	44,545	-1.8%	558,872	572,509	-2.4%
WTI CALENDAR	CS	43,810	54,416	-19.5%	47,047	-6.9%	668,310	575,720	16.1%
WTI MIDLAND CRUDE OIL	WTL	0	0	0.0%	600	-100.0%	900	2,655	-66.1%
WTS (ARGUS) VS WTI SWAP	FF	216	0	0.0%	150	44.0%	27,838	38,356	-27.4%
WTS (ARGUS) VS WTI TRD MT	FH	0	300	-100.0%	0	0.0%	7,035	6,375	10.4%
Energy Options									
BRENT CALENDAR SWAP	BA	0	45	-100.0%	144	-100.0%	3,272	3,106	5.3%
BRENT CRUDE OIL 1 M CSO	9C	35,250	0	0.0%	30,000	17.5%	166,500	198,050	-15.9%
BRENT OIL LAST DAY	BE	19,750	7,649	158.2%	13,600	45.2%	129,287	231,991	-44.3%
BRENT OIL LAST DAY	BZO	9,152	50,182	-81.8%	13,873	-34.0%	187,241	290,872	-35.6%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	-	0	0	0.0%
COAL API2 INDEX	F2C	20	190	-89.5%	0	0.0%	410	1,580	-74.1%



NYMEX/COMEX Exchange Volume Report - Monthly

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Energy Options									
COAL API2 INDEX	F2Q	0	50	-100.0%	0	0.0%	100	1,110	-91.0%
CRUDE OIL	6Y	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL 1MO	WA	57,425	58,910	-2.5%	18,900	203.8%	636,578	1,239,950	-48.7%
CRUDE OIL APO	AO	9,004	16,172	-44.3%	23,246	-61.3%	217,958	335,170	-35.0%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	ECCL	7,184	0	-	4,173	72.2%	12,785	0	-
CRUDE OIL PHY	CD	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL PHY	LC	18,730	21,909	-14.5%	27,578	-32.1%	374,191	141,495	164.5%
CRUDE OIL PHY	LO	2,742,193	3,366,581	-18.5%	2,283,507	20.1%	27,222,977	27,592,195	-1.3%
CRUDE OIL PHY	LO1	55,554	53,714	3.4%	37,459	48.3%	373,986	239,618	56.1%
CRUDE OIL PHY	LO2	41,882	28,941	44.7%	28,918	44.8%	285,390	194,932	46.4%
CRUDE OIL PHY	LO3	22,223	28,733	-22.7%	24,296	-8.5%	195,046	150,815	29.3%
CRUDE OIL PHY	LO4	48,547	40,349	20.3%	29,882	62.5%	380,268	260,139	46.2%
CRUDE OIL PHY	LO5	0	0	0.0%	0	0.0%	76,069	79,307	-4.1%
CRUDE OIL PHY	MCO	16,247	0	-	11,020	47.4%	55,328	0	-
CRUDE OIL PHY	MW1	2,161	0	-	1,332	62.2%	7,531	0	-
CRUDE OIL PHY	MW2	2,540	0	-	1,126	125.6%	8,801	0	-
CRUDE OIL PHY	MW3	1,178	0	-	959	22.8%	4,568	0	-
CRUDE OIL PHY	MW4	3,137	0	-	1,049	199.0%	10,609	0	-
CRUDE OIL PHY	MW5	0	0	-	0	0.0%	3,293	0	-
ELEC FINSETTLED	PJN	0	0	0.0%	0	0.0%	0	0	0.0%
ETHANOL SWAP	CVR	1,911	6,173	-69.0%	1,430	33.6%	30,680	36,500	-15.9%
ETHANOL SWAP	GVR	0	0	0.0%	0	0.0%	0	0	0.0%
FREIGHT MARKETS	FLO	0	0	-	0	0.0%	30	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	0.0%	0	0.0%	750	1,980	-62.1%
HEATING OIL PHY	FZ	0	0	0.0%	0	0.0%	0	2,225	-100.0%
HEATING OIL PHY	LB	0	0	0.0%	0	0.0%	382	1,911	-80.0%
HEATING OIL PHY	OH	14,319	12,072	18.6%	11,009	30.1%	123,955	91,687	35.2%
HENRY HUB FINANCIAL LAST	E7	6,451	5,312	21.4%	5,139	25.5%	52,814	88,049	-40.0%
HENRY HUB FINANCIAL LAST	ECNG	4,308	0	-	3,243	32.8%	10,358	0	-
HO 1 MONTH CLNDR OPTIONS	FA	1,500	0	0.0%	1,100	36.4%	7,975	200	3,887.5%
LLS CRUDE OIL	HTO	0	0	-	0	0.0%	1,200	0	-
LLS CRUDE OIL	WTO	0	0	0.0%	0	0.0%	4,500	0	0.0%
MCCLOSKEY ARA ARGS COAL	MTO	0	0	0.0%	0	0.0%	0	540	-100.0%
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	-	0	0	0.0%

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NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME NOV 2022	VOLUME NOV 2021	% CHG	VOLUME OCT 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
Energy Options									
NATURAL GAS	LN1	150	0	-	0	0.0%	847	0	-
NATURAL GAS	LN2	0	0	-	0	0.0%	1,502	0	-
NATURAL GAS	LN3	0	0	-	0	0.0%	1,072	0	-
NATURAL GAS	LN4	0	0	-	0	0.0%	1,517	0	-
NATURAL GAS	LN5	0	0	-	0	0.0%	5	0	-
NATURAL GAS 1 M CSO FIN	G4	77,350	76,220	1.5%	64,279	20.3%	975,021	647,028	50.7%
NATURAL GAS 2 M CSO FIN	G2	0	8,150	-100.0%	0	0.0%	14,100	30,250	-53.4%
NATURAL GAS 3 M CSO FIN	G3	3,250	0	0.0%	1,000	225.0%	354,540	247,994	43.0%
NATURAL GAS 5 M CSO FIN	G5	2,000	5,250	-61.9%	0	0.0%	48,250	18,650	158.7%
NATURAL GAS 6 M CSO FIN	G6	12,375	7,050	75.5%	3,500	253.6%	103,275	114,950	-10.2%
NATURAL GAS OPT	JFO	0	0	-	150	-100.0%	450	0	-
NATURAL GAS OPT	JKO	850	2,500	-66.0%	0	0.0%	6,450	21,560	-70.1%
NATURAL GAS OPT	TFO	0	0	0.0%	0	0.0%	700	153,770	-99.5%
NATURAL GAS OPTION ON CALENDAR STRP	6J	0	2,100	-100.0%	0	0.0%	600	63,320	-99.1%
NATURAL GAS PHY	KD	400	285	40.4%	300	33.3%	15,030	20,735	-27.5%
NATURAL GAS PHY	LN	1,877,430	1,334,882	40.6%	1,819,043	3.2%	21,849,328	22,448,890	-2.7%
NATURAL GAS PHY	ON	64,187	80,152	-19.9%	60,158	6.7%	907,995	965,208	-5.9%
NATURAL GAS SUMMER STRIP	4D	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS WINTER STRIP	6I	0	0	0.0%	0	-	0	0	0.0%
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	-	0	0	0.0%
NY HARBOR HEAT OIL SWP	AT	2,543	2,342	8.6%	1,067	138.3%	22,488	12,005	87.3%
PETROCHEMICALS	4H	0	390	-100.0%	120	-100.0%	3,314	9,902	-66.5%
PETROCHEMICALS	4J	0	0	0.0%	0	0.0%	0	1,315	-100.0%
PETROCHEMICALS	4K	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	CPR	0	0	0.0%	0	0.0%	0	180	-100.0%
PETRO OUTRIGHT EURO	BCO	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	1N5	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	DAP	0	120	-100.0%	0	0.0%	375	1,410	-73.4%
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB 1MO CAL SPD OPTIONS	ZA	250	0	-	300	-16.7%	3,600	0	-
RBOB CALENDAR SWAP	RA	20	0	0.0%	12	66.7%	3,605	1,274	183.0%
RBOB PHY	OB	2,114	6,442	-67.2%	1,167	81.1%	41,498	82,113	-49.5%
RBOB PHY	RF	30	0	0.0%	80	-62.5%	1,540	480	220.8%
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	-	0	0	0.0%

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NYMEX/COMEX Exchange Volume Report - Monthly

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Energy Options									
SHORT TERM	U11	100	0	0.0%	0	0.0%	400	50	700.0%
SHORT TERM	U12	0	50	-100.0%	0	0.0%	550	150	266.7%
SHORT TERM	U13	0	0	0.0%	0	0.0%	100	200	-50.0%
SHORT TERM	U14	0	0	0.0%	0	0.0%	500	300	66.7%
SHORT TERM	U15	0	0	0.0%	0	0.0%	50	350	-85.7%
SHORT TERM	U22	0	0	0.0%	0	0.0%	350	0	0.0%
SHORT TERM	U23	0	0	0.0%	0	-	0	0	0.0%
SHORT TERM	U24	0	0	0.0%	100	-100.0%	100	100	0.0%
SHORT TERM	U25	0	0	0.0%	0	0.0%	400	300	33.3%
SHORT TERM	U26	0	0	0.0%	0	0.0%	200	75	166.7%
SHORT TERM NATURAL GAS	U01	0	50	-100.0%	0	0.0%	250	275	-9.1%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0.0%	0	650	-100.0%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0.0%	0	100	-100.0%
SHORT TERM NATURAL GAS	U04	0	200	-100.0%	0	0.0%	950	550	72.7%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0.0%	500	200	150.0%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0.0%	550	800	-31.3%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0.0%	925	325	184.6%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0.0%	200	50	300.0%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0.0%	0	300	-100.0%
SHORT TERM NATURAL GAS	U10	500	0	0.0%	0	0.0%	700	100	600.0%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0.0%	0	75	-100.0%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0.0%	0	150	-100.0%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0.0%	350	100	250.0%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	50	-100.0%	600	0	0.0%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	0.0%	250	300	-16.7%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	0.0%	950	300	216.7%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0.0%	0	50	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	250	-100.0%	350	100	250.0%
SHORT TERM NATURAL GAS	U29	150	0	0.0%	0	0.0%	150	50	200.0%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0.0%	100	250	-60.0%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0.0%	200	0	0.0%
WTI-BRENT BULLET SWAP	BV	12,400	54,425	-77.2%	28,800	-56.9%	375,995	335,925	11.9%
WTI CRUDE OIL 1 M CSO FI	7A	74,350	40,085	85.5%	48,200	54.3%	630,350	746,785	-15.6%



NYMEX/COMEX Exchange Volume Report - Monthly

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Metals Futures									
COMEX GOLD	GC	5,419,185	6,130,590	-11.6%	3,998,867	35.5%	51,006,861	55,391,386	-7.9%
NYMEX HOT ROLLED STEEL	HR	18,556	17,776	4.4%	22,180	-16.3%	241,016	227,056	6.1%
NYMEX PLATINUM	PL	433,587	364,392	19.0%	415,982	4.2%	4,635,183	4,005,434	15.7%
PALLADIUM	PA	77,831	84,800	-8.2%	40,121	94.0%	528,118	567,209	-6.9%
URANIUM	UX	0	0	0.0%	0	0.0%	24	1,183	-98.0%
COMEX SILVER	SI	1,849,022	1,880,818	-1.7%	1,346,715	37.3%	15,952,951	18,661,387	-14.5%
COMEX E-Mini GOLD	QO	48,013	26,937	78.2%	45,577	5.3%	368,046	253,486	45.2%
COMEX E-Mini SILVER	QI	4,568	5,279	-13.5%	4,378	4.3%	42,932	64,421	-33.4%
COMEX COPPER	HG	2,498,607	1,977,841	26.3%	1,821,218	37.2%	20,253,078	23,422,235	-13.5%
COMEX MINY COPPER	QC	4,581	8,864	-48.3%	2,817	62.6%	39,534	55,837	-29.2%
ALUMINUM	A38	0	0	0.0%	0	0.0%	0	174	-100.0%
ALUMINUM	AEP	3,687	3,923	-6.0%	1,346	173.9%	21,169	30,848	-31.4%
ALUMINUM	ALA	45	60	-25.0%	0	0.0%	1,970	3,705	-46.8%
ALUMINUM	ALI	44,688	13,922	221.0%	52,643	-15.1%	365,883	130,003	181.4%
ALUMINUM	AUP	7,524	9,917	-24.1%	9,483	-20.7%	78,743	73,424	7.2%
ALUMINUM	CUP	0	0	0.0%	0	-	0	0	0.0%
ALUMINUM	EDP	4,292	6,218	-31.0%	9,623	-55.4%	56,374	39,562	42.5%
ALUMINUM	MJP	100	1,992	-95.0%	240	-58.3%	3,200	5,162	-38.0%
COBALT METAL FUTURES	COB	2,987	273	994.1%	2,709	10.3%	13,990	3,222	334.2%
COPPER	HGS	1,633	1,337	22.1%	1,785	-8.5%	17,931	24,038	-25.4%
COPPER	MHG	91,994	0	-	71,359	28.9%	509,134	0	-
FERROUS PRODUCTS	BUS	4,524	1,243	264.0%	2,729	65.8%	30,583	16,068	90.3%
GOLD	4GC	0	0	0.0%	0	0.0%	0	116	-100.0%
GOLD	SGC	243	566	-57.1%	296	-17.9%	7,886	17,463	-54.8%
GOLD	SGU	550	14,715	-96.3%	502	9.6%	53,439	72,758	-26.6%
HOT ROLLED COIL STEEL FUTURES	EHR	5,102	1,742	192.9%	6,027	-15.3%	40,767	12,695	221.1%
IRON ORE 62 CHINA TSI FUTURES	TIO	0	0	0.0%	0	-	0	0	0.0%
IRON ORE CHINA	TIO	752	1,630	-53.9%	880	-14.5%	14,165	11,016	28.6%
METALS	HDG	15	0	0.0%	35	-57.1%	667	143	366.4%
METALS	LTH	91	0	0.0%	34	167.6%	149	10	1,390.0%
METALS	PAC	0	0	-	0	0.0%	1,300	0	-
MICRO GOLD	MGC	1,020,946	1,271,788	-19.7%	941,893	8.4%	11,701,858	13,194,542	-11.3%
SILVER	SIL	199,205	131,283	51.7%	173,016	15.1%	1,819,846	2,101,191	-13.4%

Metals Options

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NYMEX/COMEX Exchange Volume Report - Monthly

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Metals Options									
ALUMINUM	ALO	0	0	0.0%	0	0.0%	0	2,250	-100.0%
ALUMINUM	AX	482	0	-	537	-10.2%	1,237	0	-
COMEX COPPER	HX	126,171	45,922	174.8%	81,947	54.0%	966,469	713,861	35.4%
COMEX GOLD	ECGC	5,944	0	-	2,350	152.9%	10,604	0	-
COMEX GOLD	OG	799,672	850,608	-6.0%	825,563	-3.1%	9,264,189	7,855,215	17.9%
COMEX SILVER	ECSI	2,349	0	-	3,089	-24.0%	7,812	0	-
COMEX SILVER	SO	178,438	118,369	50.7%	143,722	24.2%	1,308,539	1,678,421	-22.0%
COPPER	ECHG	1,811	0	-	1,856	-2.4%	5,235	0	-
COPPER	H1E	494	38	1,200.0%	526	-6.1%	2,551	85	2,901.2%
COPPER	H1M	564	0	-	78	623.1%	1,584	0	-
COPPER	H1W	90	0	-	101	-10.9%	1,331	0	-
COPPER	H2E	700	55	1,172.7%	405	72.8%	3,122	98	3,085.7%
COPPER	H2M	232	0	-	61	280.3%	955	0	-
COPPER	H2W	209	0	-	168	24.4%	708	0	-
COPPER	H3E	366	35	945.7%	269	36.1%	2,489	68	3,560.3%
COPPER	H3M	46	0	-	80	-42.5%	797	0	-
COPPER	H3W	52	0	-	122	-57.4%	423	0	-
COPPER	H4E	372	11	3,281.8%	471	-21.0%	2,867	160	1,691.9%
COPPER	H4M	79	0	-	90	-12.2%	482	0	-
COPPER	H4W	46	0	-	24	91.7%	645	0	-
COPPER	H5E	0	0	0.0%	0	0.0%	710	7	10,042.9%
COPPER	H5M	0	0	-	141	-100.0%	360	0	-
COPPER	H5W	253	0	-	0	0.0%	966	0	-
GOLD	G1M	6,740	0	-	5,929	13.7%	32,253	0	-
GOLD	G1W	4,399	0	-	13,906	-68.4%	50,547	0	-
GOLD	G2M	8,884	0	-	3,995	122.4%	42,716	0	-
GOLD	G2W	8,401	0	-	8,988	-6.5%	43,926	0	-
GOLD	G3M	4,959	0	-	5,704	-13.1%	29,247	0	-
GOLD	G3W	10,702	0	-	5,134	108.5%	50,424	0	-
GOLD	G4M	4,719	0	-	3,944	19.7%	23,245	0	-
GOLD	G4W	4,489	0	-	518	766.6%	27,159	0	-
GOLD	G5M	0	0	-	3,819	-100.0%	8,464	0	-
GOLD	G5W	8,936	0	-	0	0.0%	22,942	0	-
GOLD	OG1	55,968	64,964	-13.8%	43,565	28.5%	510,828	485,652	5.2%
GOLD	OG2	54,569	72,133	-24.3%	34,615	57.6%	502,513	487,168	3.1%

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NYMEX/COMEX Exchange Volume Report - Monthly

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Metals Options									
GOLD	OG3	36,871	54,970	-32.9%	42,155	-12.5%	506,285	470,891	7.5%
GOLD	OG4	18,861	54,743	-65.5%	26,927	-30.0%	407,681	327,166	24.6%
GOLD	OG5	0	0	0.0%	0	0.0%	117,605	123,602	-4.9%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	0.0%	0	-	0	0	0.0%
HOT ROLLED COIL STEEL PUT OPTION	HRO	0	0	0.0%	0	-	0	0	0.0%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	0	0.0%	0	-	0	0	0.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	0.0%	0	-	0	0	0.0%
IRON ORE CHINA	ICT	0	0	0.0%	0	0.0%	300	6,198	-95.2%
NYMEX HOT ROLLED STEEL	HRO	2,025	830	144.0%	2,640	-23.3%	18,065	3,800	375.4%
NYMEX PLATINUM	PO	2,982	2,855	4.4%	2,837	5.1%	51,484	33,270	54.7%
PALLADIUM	PAO	3	68	-95.6%	8	-62.5%	138	6,630	-97.9%
SILVER	M1S	4,949	0	-	277	1,686.6%	6,156	0	-
SILVER	M2S	936	0	-	1,253	-25.3%	4,391	0	-
SILVER	M3S	156	0	-	591	-73.6%	1,936	0	-
SILVER	M4S	508	0	-	986	-48.5%	2,495	0	-
SILVER	M5S	0	0	-	342	-100.0%	544	0	-
SILVER	SO1	16,642	5,586	197.9%	6,605	152.0%	63,471	36,701	72.9%
SILVER	SO2	10,091	6,754	49.4%	6,551	54.0%	60,293	40,218	49.9%
SILVER	SO3	7,635	3,490	118.8%	8,534	-10.5%	50,251	32,509	54.6%
SILVER	SO4	2,882	3,109	-7.3%	4,205	-31.5%	37,425	22,621	65.4%
SILVER	SO5	0	0	0.0%	0	0.0%	9,229	8,830	4.5%
SILVER	W1S	416	0	-	1,015	-59.0%	3,600	0	-
SILVER	W2S	1,921	0	-	517	271.6%	4,397	0	-
SILVER	W3S	589	0	-	573	2.8%	2,625	0	-
SILVER	W4S	260	0	-	2	12,900.0%	920	0	-
SILVER	W5S	712	0	-	0	0.0%	1,468	0	-
TOTAL FUTURES GROUP									
Ag Products Futures		0	0	0.0%	0	0.0%	0	2	-100.0%
Energy Futures		34,793,519	45,123,045	-22.9%	32,987,429	5.5%	414,870,809	453,363,068	-8.5%
Metals Futures		11,742,328	11,957,906	-1.8%	8,972,455	30.9%	107,806,797	118,385,774	-8.9%
TOTAL FUTURES		46,535,847	57,080,951	-18.5%	41,959,884	10.9%	522,677,606	571,748,844	-8.6%

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TOTAL OPTIONS GROUP								
Energy Options	5,251,115	5,317,675	-1.3%	4,601,559	14.1%	55,957,954	57,113,416	-2.0%
Metals Options	1,399,575	1,284,540	9.0%	1,297,735	7.8%	14,279,098	12,335,421	15.8%
TOTAL OPTIONS	6,650,690	6,602,215	0.7%	5,899,294	12.7%	70,237,052	69,448,837	1.1%
TOTAL COMBINED								
Ag Products	0	0	0.0%	0	-	0	2	-100.0%
Energy	40,044,634	50,440,720	-20.6%	37,588,988	6.5%	470,828,763	510,476,484	-7.8%
Metals	13,141,903	13,242,446	-0.8%	10,270,190	28.0%	122,085,895	130,721,195	-6.6%
GRAND TOTAL	53,186,537	63,683,166	-16.5%	47,859,178	11.1%	592,914,658	641,197,681	-7.5%