

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

Commodity Indicator	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG	
<b>Ag Products Futures</b>																			
COCOA TAS	CJ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
COFFEE	KT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	2	2	0.0%	0	0	0.0%
COTTON	TT	0	0	0.0%	0	2	-1	0	0	0.0%	0	0	0.0%	0	59	-100.0%	0	0	0.0%
SUGAR 11	YO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	10	-100.0%	0	0	0.0%
<b>Energy Futures</b>																			
CRUDE OIL PHY	CL	0	0	0.0%	16,945,462	15,061,075	0.13	384,293	373,074	3.0%	0	0	0.0%	243,368,226	268,175,129	-9.3%	4,946,255	6,005,223	-17.6%
CRUDE OIL	WS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,732	31,422	-88.1%
MINY WTI CRUDE OIL	QM	0	0	0.0%	479,671	279,470	0.72	0	0	0.0%	0	0	0.0%	5,261,224	6,834,996	-23.0%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	1,680,516	1,492,426	0.13	30,248	13,945	116.9%	0	0	0.0%	23,913,280	25,575,616	-6.5%	270,856	403,462	-32.9%
HEATING OIL PHY	HO	0	0	0.0%	2,674,621	2,833,776	-0.06	130,311	142,155	-8.3%	0	0	0.0%	36,564,712	41,682,189	-12.3%	2,146,785	2,320,995	-7.5%
HTG OIL	BH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	124	108	14.8%
MINY HTG OIL	QH	0	0	0.0%	13	6	1.17	0	0	0.0%	0	0	0.0%	83	61	36.1%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	3,181,981	3,300,079	-0.04	130,924	138,502	-5.5%	0	0	0.0%	45,643,987	44,465,723	2.6%	2,194,011	2,026,765	8.3%
MINY RBOB GAS	QU	0	0	0.0%	13	7	0.86	0	0	0.0%	0	0	0.0%	107	85	25.9%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	36,032	36,220	-0.01	83,392	92,796	-10.1%	0	0	0.0%	631,245	571,943	10.4%	1,260,314	1,278,961	-1.5%
LTD NAT GAS	HH	0	0	0.0%	265,594	226,746	0.17	130,777	99,177	31.9%	0	0	0.0%	2,856,286	2,244,653	27.2%	1,246,559	1,055,240	18.1%
MINY NATURAL GAS	QG	0	0	0.0%	194,234	197,755	-0.02	0	0	0.0%	0	0	0.0%	2,305,179	1,612,231	43.0%	0	0	0.0%
PJM MONTHLY	JM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	NG	0	0	0.0%	7,522,225	9,332,504	-0.19	147,889	122,347	20.9%	0	0	0.0%	95,799,648	118,649,105	-19.3%	1,789,147	2,150,404	-16.8%
RBOB GAS	RT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	84	84	0.0%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
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%
AEP-DAYTON HUB DAILY	VD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ANR OKLAHOMA	NE	-	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	2,430	2,030	19.7%	0	0	0.0%	0	0	0.0%	95,438	72,825	31.1%
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	3,724	4,990	-25.4%	0	0	0.0%	0	0	0.0%	71,225	62,349	14.2%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	1,592	1,863	-14.5%	0	0	0.0%	0	0	0.0%	21,736	27,087	-19.8%
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	0	200	-100.0%	0	0	0.0%	0	0	0.0%	1,314	1,706	-23.0%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	21,560	6,223	246.5%	0	0	0.0%	0	0	0.0%	134,241	82,520	62.7%

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<b>Energy Futures</b>																			
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,000	2,200	81.8%	
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	185	-100.0%	
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	68	260	-73.8%	
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%	
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%	
CAR VINTAGE	GEO	0	-	-	1,519	-	730	-	-	0	-	-	10,896	-	-	5,224	-	-	
CAR VINTAGE	NGO	0	-	-	827	-	2,948	-	-	0	-	-	12,239	-	-	18,790	-	-	
CENTERPOINT BASIS SWAP	PW	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	295	432	-0.32	53,975	58,542	-7.8%	0	0	0.0%	4,127	814	407.0%	862,630	873,820	-1.3%
CHICAGO ULSD PL VS HO SPR	5C	0	0	0.0%	0	0	0	30	160	-81.3%	0	0	0.0%	0	0	0.0%	3,752	7,307	-48.7%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0	0	0	625	-100.0%	0	0	0.0%	0	0	0.0%	500	2,740	-81.8%
CIG BASIS	CI	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 OFF-PEAK MON	EJ	-	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%
CIN HUB 5MW D AH PK	H5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,346	-100.0%
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%	0	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%	0	0	0.0%
COAL SWAP	ACM	-	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%	0	0	0.0%
CONWAY NATURAL GASOLINE	8L	0	0	0.0%	0	0	0	111	232	-52.2%	0	0	0.0%	0	0	0.0%	3,419	2,932	16.6%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	396	375	5.6%	0	0	0.0%	0	0	0.0%	3,593	4,774	-24.7%
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	0	0	0	12,858	9,145	40.6%	0	0	0.0%	31	120	-74.2%	176,316	182,813	-3.6%
CRUDE OIL	LPS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,295	-100.0%
CRUDE OIL LAST DAY	26	0	0	0.0%	0	0	0	0	43	-100.0%	0	0	0.0%	0	0	0.0%	3,130	979	219.7%
CRUDE OIL OUTRIGHTS	42	0	0	0.0%	0	0	0	283	455	-37.8%	0	0	0.0%	0	0	0.0%	3,625	13,331	-72.8%
CRUDE OIL OUTRIGHTS	CC5	0	0	0.0%	0	0	0	0	412	-100.0%	0	0	0.0%	0	0	0.0%	9,906	6,186	60.1%
CRUDE OIL OUTRIGHTS	CSW	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	0	0	0.0%	14,319	4,274	235.0%
CRUDE OIL OUTRIGHTS	DAB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	340	-100.0%
CRUDE OIL OUTRIGHTS	DBL	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	GSW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,464	2,720	-9.4%
CRUDE OIL OUTRIGHTS	HTT	0	0	0.0%	0	0	0	50,680	67,411	-24.8%	0	0	0.0%	0	0	0.0%	747,700	871,639	-14.2%
CRUDE OIL OUTRIGHTS	LSW	0	0	0.0%	0	0	0	0	435	-100.0%	0	0	0.0%	0	0	0.0%	10,372	9,922	4.5%
CRUDE OIL OUTRIGHTS	WCW	0	0	0.0%	0	0	0	730	1,780	-59.0%	0	0	0.0%	0	0	0.0%	42,367	29,050	45.8%
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	0.0%

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<b>Energy Futures</b>																			
CRUDE OIL PHY	HCL	0	0	0.0%	0	4,234	-1	0	0	0.0%	0	0	0.0%	17,605	44,090	-60.1%	2,542	662	284.0%
CRUDE OIL PHY	MCL	0	-	-	1,714,617	-	0	-	-	0	-	-	8,368,659	-	-	0	-	-	
CRUDE OIL SPRDS	38	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
CRUDE OIL SPRDS	ANT	0	0	0.0%	0	0	0	184	0	0.0%	0	0	0.0%	0	0	0.0%	5,895	1,330	343.2%
CRUDE OIL SPRDS	HIL	0	0	0.0%	0	0	0	0	1,260	-100.0%	0	0	0.0%	0	0	0.0%	5,590	48,827	-88.6%
CRUDE OIL SPRDS	WTT	0	0	0.0%	0	0	0	21,687	26,809	-19.1%	0	0	0.0%	0	0	0.0%	316,326	259,172	22.1%
CRUDE OIL TRADE AT MARKER	CLS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	AOR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	IDO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	NOC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PEO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PNO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PNP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PWO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PWP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	WOR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	ZAO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	ZGO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	ZJO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY	7G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	640	-100.0%
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,715	244	1,012.7%
DIESEL 10P BRG FOB RDM VS	7X	0	-	-	0	-	0	-	-	0	-	-	0	-	-	30	-	-	
DOMINION TRAN INC - APP I	IH	-	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%	0	0	0.0%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10,650	-100.0%
DUTCH TTF NATURAL GAS CAL	TTF	0	0	0.0%	10,892	13,122	-0.17	404	320	26.3%	0	0	0.0%	401,208	330,717	21.3%	43,469	51,144	-15.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	6	0	0.0%	0	0	0.0%	0	0	0.0%	6	0	0.0%
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	0	1,004	252	298.4%	0	0	0.0%	1	6	-83.3%	5,370	9,671	-44.5%
ELEC FINSETTLED	47	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ELEC MISO PEAK	4L	-	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%
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	0.0%

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ELECTRICITY OFF PEAK	4P	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ETHANOL	MTH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	70	-85.7%
ETHANOL	Z1B	-	0	0.0%	-	0	0	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ETHANOL SWAP	MT2	0	0	0.0%	0	0	120	110	9.1%	0	0	0.0%	0	0	0.0%	2,248	2,278	-1.3%
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	2,697	2,656	1.5%	0	0	0.0%	0	0	0.0%	43,567	48,990	-11.1%
EURO 1% FUEL OIL NEW BALM	KX	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	81	65	24.6%
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	22	-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%	2,812	75	3,649.3%
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	84	0	0.0%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	UI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	13	37	-64.9%
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	15	12	25.0%	0	0	0.0%	0	0	0.0%	556	2,384	-76.7%
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	66	38	0.74	130	0	0.0%	0	0.0%	636	356	78.7%	7,913	21	37,581.0%
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	22	0	0.0%	0	0	0.0%	0	0	0.0%	140	86	62.8%
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	910	116	684.5%	0	0	0.0%	0	0	0.0%	19,838	14,044	41.3%
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	710	70	914.3%
EUROPE JET KERO NWE CALS	UJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	0	0.0%
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	555	348	59.5%	0	0	0.0%	0	0	0.0%	7,315	5,746	27.3%
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	1,360	1,037	31.1%	0	0	0.0%	0	0	0.0%	18,693	18,704	-0.1%
FREIGHT MARKETS	ACB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	735	-100.0%
FREIGHT MARKETS	BF1	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	15	-100.0%
FREIGHT MARKETS	BF2	0	0	0.0%	0	0	10	236	-95.8%	0	0	0.0%	0	0	0.0%	134	1,643	-91.8%
FREIGHT MARKETS	BF3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	BL2	0	-	-	0	-	0	-	-	0	-	-	0	-	-	285	-	-
FREIGHT MARKETS	FLJ	0	-	-	0	-	0	-	-	0	-	-	0	-	-	97	-	-
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	11	0	0.0%	0	0	0.0%	0	0	0.0%	713	2,299	-69.0%
FREIGHT MARKETS	FRC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	70	40	75.0%
FREIGHT MARKETS	FRS	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
FREIGHT MARKETS	T2D	0	0	0.0%	0	0	120	150	-20.0%	0	0	0.0%	0	0	0.0%	904	2,113	-57.2%
FREIGHT MARKETS	T7C	0	0	0.0%	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	0	290	-100.0%
FREIGHT MARKETS	T8C	0	-	-	0	-	0	-	-	0	-	-	0	-	-	10	-	-
FREIGHT MARKETS	TC6	0	-	-	0	-	225	-	-	0	-	-	0	-	-	450	-	-
FREIGHT MARKETS	TD3	0	0	0.0%	0	0	60	0	0.0%	0	0	0.0%	0	0	0.0%	60	0	0.0%

## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator		Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG
<b>Energy Futures</b>																			
FREIGHT MARKETS	TD8	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
FREIGHT MARKETS	USC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	90	-100.0%
FREIGHT MARKETS	USE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	90	800	-88.8%
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,203	2,644	-16.7%
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%	72	0	0.0%
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CN	1X	-	0	0.0%	-	0	0	-	0	0.0%	-	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%	0	0	0.0%	0	0	0.0%	0	51	-100.0%
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	178	158	12.7%	0	0	0.0%	0	0	0.0%	7,413	14,644	-49.4%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	3,319	1,182	180.8%	0	0	0.0%	0	0	0.0%	63,082	60,217	4.8%
GASOIL 0.1CIF MED VS ICE	Z5	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	60	-	-
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%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	42	17	147.1%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	38	22	72.7%	0	0	0.0%	0	0	0.0%	216	127	70.1%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	0	233	12	1,841.7%	0	0	0.0%	0	0	0.0%	1,819	324	461.4%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	2,205	0	0.0%	0	0	0.0%	0	0	0.0%	22,699	12,428	82.6%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	0	173	298	-41.9%	0	0	0.0%	0	0	0.0%	4,233	6,113	-30.8%
GERMAN POWER BASELOAD C	DEB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	142	8,776	-98.4%	102	1,290	-92.1%
GROUP THREE ULSD (PLATTS)	A7	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GROUP THREE UNLEAD GAS (F	A9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	0	2,965	2,215	33.9%	0	0	0.0%	0	0	0.0%	50,360	39,678	26.9%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	0	1,960	1,805	8.6%	0	0	0.0%	0	0	0.0%	30,994	29,388	5.5%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	0	0	45	-100.0%	0	0	0.0%	0	0	0.0%	740	2,986	-75.2%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,153	-100.0%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	21,983	11,304	94.5%	0	0	0.0%	0	0	0.0%	244,225	200,108	22.0%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	0	2,813	3,824	-26.4%	0	0	0.0%	0	0	0.0%	21,572	121,471	-82.2%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	9,809	0	0.0%	0	0	0.0%	0	0	0.0%	38,597	482	7,907.7%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	878	180	387.8%	0	0	0.0%	0	0	0.0%	5,084	9,985	-49.1%
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,410	-100.0%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	95	0	0.0%	0	0	0.0%	0	0	0.0%	3,235	1,517	113.2%
HEATING OIL CRCK SPRD BAL	1H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,450	0	0.0%
HEATING OIL PHY	HOL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6,680	-100.0%

## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG	
<b>Energy Futures</b>																			
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	75	-100.0%	
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	8,392	-100.0%	
HENRY HUB SWAP	NN	0	0	0.0%	0	0	14,622	20,898	-30.0%	0	0	0.0%	31	670	-95.4%	357,007	741,310	-51.8%	
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ICE BRENT DUBAI SWAP	DB	0	0	0.0%	0	0	60	340	-82.4%	0	0	0.0%	0	0	0.0%	6,804	34,005	-80.0%	
ICE GASOIL BALMO SWAP	U9	0	-	-	0	-	0	-	-	0	-	-	0	-	-	46	-	-	
INDIANA MISO	FAD	-	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%	
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%	
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%	
INDONESIAN COAL ICI4	ICI	0	0	0.0%	0	0	0	35	-100.0%	0	0	0.0%	0	0	0.0%	1,124	1,976	-43.1%	
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	6	150	-96.0%	
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	115	13	784.6%	0	0	0.0%	0	0	0.0%	783	1,692	-53.7%	
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	18	33	-45.5%	
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%	
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	120	0	0.0%	0	0	0.0%	0	0	0.0%	1,870	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%	
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	3,880	1,455	166.7%	0	0	0.0%	0	0	0.0%	20,994	19,863	5.7%	
JKM LNG Futures	JKM	0	0	0.0%	0	0	828	0	0.0%	0	0	0.0%	0	0	0.0%	7,251	19,263	-62.4%	
LA CARB DIESEL (OPIS) SWA	KL	0	0	0.0%	0	0	355	25	1,320.0%	0	0	0.0%	0	0	0.0%	2,335	2,542	-8.1%	
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	225	675	-66.7%	
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	475	510	-6.9%	0	0	0.0%	0	0	0.0%	6,200	6,625	-6.4%	
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	480	5	9,500.0%	0	0	0.0%	0	0	0.0%	3,266	7,900	-58.7%	
LOS ANGELES CARB GASOLIN	MH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	15	-100.0%	
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,750	2,600	-32.7%	
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	0	9,170	19,930	-54.0%	0	0	0.0%	0	0	0.0%	212,517	188,526	12.7%	
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%	
MCCLOSKY ARA ARGS COAL	MTF	0	0	0.0%	467	971	-0.52	5,802	11,444	-49.3%	0	0	0.0%	22,478	10,206	120.2%	130,573	233,871	-44.2%
MCCLOSKY RCH BAY COAL	MFF	0	0	0.0%	0	0	110	417	-73.6%	0	0	0.0%	247	30	723.3%	10,444	10,862	-3.8%	
MGF FUT	MGF	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	270	-100.0%	
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%	
MICHIGAN MISO	HMO	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	

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<b>Energy Futures</b>																			
MICHIGAN MISO	HMW	-	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	61	0	0.0%	0	0	0.0%	0	0	0.0%	254	778	-67.4%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	391	1,741	-77.5%	
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	199	-37.8%	0	0	0.0%	0	0	0.0%	6,337	7,771	-18.5%	
MJC FUT	MJC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	0	0.0%	
MNC FUT	MNC	0	0	0.0%	0	0	0	1,186	551.6%	0	0	0.0%	0	0	0.0%	11,504	11,410	0.8%	
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	28	20	0.4	32,474	-3.1%	0	0	0.0%	371	45	724.4%	353,809	318,114	11.2%	
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	2,810	146.5%	0	0	0.0%	0	0	0.0%	12,658	4,670	171.0%	
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	16	0	0	120,810	-38.1%	0	0	0.0%	516	174	196.6%	2,201,389	2,044,544	7.7%	
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	2,600	18.6%	0	0	0.0%	0	0	0.0%	36,430	26,203	39.0%	
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	0	12,645	-38.5%	0	0	0.0%	0	0	0.0%	176,018	334,637	-47.4%	
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	610	-26.1%	0	0	0.0%	0	0	0.0%	7,282	10,720	-32.1%	
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	34,456	-37.0%	0	0	0.0%	40	0	0.0%	642,754	799,900	-19.6%	
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	1,474	59.2%	0	0	0.0%	0	0	0.0%	15,473	15,851	-2.4%	
NAT GAS BASIS SWAP	TZ6	-	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	26,044	-83.1%	0	0	0.0%	133	0	0.0%	610,338	849,909	-28.2%	
NEPOOL INTR HUB 5MW D AH	H2	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	13,992	-100.0%	
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	768	-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%	
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%	
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	1,395	0.0%	0	0	0.0%	0	0	0.0%	3,210	6,844	-53.1%	
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%	0	0	0.0%	
NGPL TEX/OK	PD	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 DAILY	UD	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	0.0%	0	0	0.0%	0	0	0.0%	0	225	-100.0%	
NORTHEN NATURAL GAS DEM	PE	-	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%	
NORTHWEST ROCKIES BASIS S	NR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
N ROCKIES PIPE SWAP	XR	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	0	2,718	-100.0%	
NY 3.0% FUEL OIL (PLATTS)	H1	-	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 DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG	
<b>Energy Futures</b>																			
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0	0	95	-100.0%	0	0	0.0%	0	0	0.0%	0	95	-100.0%	
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	2	0	2,474	1,218	103.1%	0	0	0.0%	37	38	-2.6%	15,075	35,919	-58.0%	
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,570	0	0.0%	
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	275	569	-51.7%	0	0	0.0%	0	0	0.0%	2,699	8,012	-66.3%	
NY HARBOR RESIDUAL FUEL C	ML	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	330	600	-45.0%	0	0	0.0%	0	0	0.0%	17,375	9,951	74.6%	
NYISO CAPACITY	LHV	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NYISO CAPACITY	NNC	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NYISO CAPACITY	NRS	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%	
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
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%	0	0	0.0%	
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%	0	700	-100.0%	
NY ULSD (ARGUS) VS HEATING	7Y	0	0	0.0%	0	0	450	94	378.7%	0	0	0.0%	0	0	0.0%	1,100	5,283	-79.2%	
ONEOK OKLAHOMA NG BASIS	8X	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ONTARIO POWER SWAPS	OPD	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ONTARIO POWER SWAPS	OPM	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	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	56	-100.0%	
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	91	237	-61.6%	0	0	0.0%	0	0	0.0%	2,086	1,624	28.4%	
PETROCHEMICALS	32	0	0	0.0%	0	0	85	29	193.1%	0	0	0.0%	0	0	0.0%	775	793	-2.3%	
PETROCHEMICALS	3NA	0	0	0.0%	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	172	34	405.9%	
PETROCHEMICALS	51	0	0	0.0%	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	0	29	-100.0%	
PETROCHEMICALS	81	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	147	60	145.0%	
PETROCHEMICALS	8I	0	0	0.0%	0	0	745	915	-18.6%	0	0	0.0%	0	0	0.0%	13,254	9,950	33.2%	
PETROCHEMICALS	91	0	0	0.0%	0	0	462	558	-17.2%	0	0	0.0%	0	0	0.0%	4,916	4,157	18.3%	
PETROCHEMICALS	MAA	0	0	0.0%	0	0	90	30	200.0%	0	0	0.0%	0	0	0.0%	565	1,325	-57.4%	
PETROCHEMICALS	MAE	0	0	0.0%	0	0	550	430	27.9%	0	0	0.0%	0	0	0.0%	11,215	8,072	38.9%	
PETROCHEMICALS	MAS	0	0	0.0%	0	0	190	275	-30.9%	0	0	0.0%	0	0	0.0%	4,402	3,451	27.6%	
PETROCHEMICALS	MBE	0	0	0.0%	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	710	2,640	-73.1%	

## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG	
<b>Energy Futures</b>																			
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	48	29	65.5%	0	0	0.0%	0	0	0.0%	2,103	1,733	21.4%
PETROCHEMICALS	MPS	0	0	0.0%	0	0	0	601	163	268.7%	0	0	0.0%	0	0	0.0%	4,944	3,829	29.1%
PETROCHEMICALS	PMF	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	9	-	-
PETRO CRCKS & SPRDS ASIA	STI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	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	0	0.0%
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	375	-100.0%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	16,654	10,225	62.9%	0	0	0.0%	0	0	0.0%	239,020	189,556	26.1%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	373	248	50.4%	0	0	0.0%	0	0	0.0%	7,352	11,398	-35.5%
PETRO CRCKS & SPRDS NA	FOC	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 NA	GBB	0	0	0.0%	0	0	0	0	305	-100.0%	0	0	0.0%	0	0	0.0%	655	5,006	-86.9%
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	405	-100.0%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	0	255	-100.0%	0	0	0.0%	0	0	0.0%	370	6,137	-94.0%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	0	180	-100.0%	0	0	0.0%	0	0	0.0%	880	15,803	-94.4%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	474	0	0.0%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	75	225	-66.7%	0	0	0.0%	0	0	0.0%	5,385	9,400	-42.7%
PETRO CRCKS & SPRDS NA	MFR	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	145	-	-
PETRO CRCKS & SPRDS NA	NYF	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 NA	RBB	0	0	0.0%	0	0	0	570	525	8.6%	0	0	0.0%	0	0	0.0%	16,651	33,794	-50.7%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	1,663	794	109.4%	0	0	0.0%	0	0	0.0%	13,258	62,110	-78.7%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	433	3,085	-86.0%
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	0	9	0	0.0%	0	0	0.0%	0	0	0.0%	35	44	-20.5%
PETRO CRK&SPRD EURO	BFR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	BOB	0	0	0.0%	0	0	0	288	0	0.0%	0	0	0.0%	0	0	0.0%	1,762	403	337.2%
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	0	15	0	0.0%	0	0	0.0%	0	0	0.0%	20	31	-35.5%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	806	471	71.1%	0	0	0.0%	0	0	0.0%	6,832	4,782	42.9%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	15	0	0.0%	0	0	0.0%	0	0	0.0%	871	203	329.1%
PETRO CRK&SPRD EURO	FBT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	44	-100.0%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	70	0	0.0%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	130	-100.0%

## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG
<b>Energy Futures</b>																		
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	9	5	80.0%
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	15	0	0.0%	0	0	0.0%	0	0	0.0%	566	406	39.4%
PETRO CRK&SPRD EURO	SFB	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	1NM	0	0	0.0%	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	717	1,184	-39.4%
PETROLEUM PRODUCTS	BEB	0	-	-	0	-	0	-	-	0	-	-	0	-	-	3	-	-
PETROLEUM PRODUCTS	BEF	0	-	-	0	-	0	-	-	0	-	-	0	-	-	3	-	-
PETROLEUM PRODUCTS	CMS	0	-	-	0	-	60	-	-	0	-	-	0	-	-	790	-	-
PETROLEUM PRODUCTS	EWG	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5,298	4,820	9.9%
PETROLEUM PRODUCTS	H5F	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	3,413	-98.2%
PETROLEUM PRODUCTS	JCC	0	0	0.0%	0	0	200	0	0.0%	0	0	0.0%	50	0	0.0%	2,750	2,510	9.6%
PETROLEUM PRODUCTS	MME	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	160	-100.0%
PETROLEUM PRODUCTS	MPE	0	-	-	0	-	0	-	-	0	-	-	0	-	-	14	-	-
PETROLEUM PRODUCTS	NCC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	R5E	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	2	150.0%
PETROLEUM PRODUCTS	R5F	0	0	0.0%	0	0	24	59	-59.3%	0	0	0.0%	0	0	0.0%	564	206	173.8%
PETROLEUM PRODUCTS	S53	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	12	41	-70.7%
PETROLEUM PRODUCTS	UCS	0	0	0.0%	0	0	0	90	-100.0%	0	0	0.0%	0	0	0.0%	0	155	-100.0%
PETROLEUM PRODUCTS	UP5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	341	1,443	-76.4%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	80	-87.5%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	1,012	97	943.3%	0	0	0.0%	0	0	0.0%	3,906	7,102	-45.0%
PETROLEUM PRODUCTS ASIA	MSB	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	0B	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	223	100	123.0%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	75	0	0.0%
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	28	7	300.0%	0	0	0.0%	0	0	0.0%	968	2,546	-62.0%
PETRO OUTRIGHT EURO	0E	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	0F	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	9	613	-98.5%
PETRO OUTRIGHT EURO	1T	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	5L	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	64	-100.0%
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
PETRO OUTRIGHT EURO	7I	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	135	-63.0%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	79	127	-37.8%
PETRO OUTRIGHT EURO	88	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	33	90	-63.3%

## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG	
<b>Energy Futures</b>																			
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	22	-100.0%	
PETRO OUTRIGHT EURO	CPB	0	0	0.0%	0	0	540	153	252.9%	0	0	0.0%	0	0	0.0%	4,152	2,024	105.1%	
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	40	-100.0%	
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	12	0	0.0%	
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETRO OUTRIGHT EURO	EWN	0	0	0.0%	0	0	438	15	2,820.0%	0	0	0.0%	0	0	0.0%	2,533	210	1,106.2%	
PETRO OUTRIGHT EURO	FLB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	0	0.0%	
PETRO OUTRIGHT EURO	GNO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%	
PETRO OUTRIGHT EURO	H5G	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	270	-100.0%	
PETRO OUTRIGHT EURO	JFB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	9	11.1%	
PETRO OUTRIGHT EURO	M1B	0	0	0.0%	0	0	1,405	1,911	-26.5%	0	0	0.0%	0	0	0.0%	14,804	10,111	46.4%	
PETRO OUTRIGHT EURO	M35	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	240	50	380.0%	
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	491	1,059	-53.6%	0	0	0.0%	0	0	0.0%	4,251	4,580	-7.2%	
PETRO OUTRIGHT EURO	MEF	0	0	0.0%	0	0	45	113	-60.2%	0	0	0.0%	0	0	0.0%	2,400	1,637	46.6%	
PETRO OUTRIGHT EURO	MQA	0	-	-	0	-	63	-	-	0	-	-	0	-	-	131	-	-	
PETRO OUTRIGHT EURO	R53	0	0	0.0%	0	0	12	0	0.0%	0	0	0.0%	0	0	0.0%	139	157	-11.5%	
PETRO OUTRIGHT EURO	R5B	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	56	10	460.0%	
PETRO OUTRIGHT EURO	R5M	0	0	0.0%	0	0	1,461	401	264.3%	0	0	0.0%	0	0	0.0%	15,364	4,617	232.8%	
PETRO OUTRIGHT EURO	R5O	0	0	0.0%	0	0	1,146	827	38.6%	0	0	0.0%	0	0	0.0%	9,296	10,496	-11.4%	
PETRO OUTRIGHT EURO	RBM	0	0	0.0%	0	0	33	0	0.0%	0	0	0.0%	0	0	0.0%	67	59	13.6%	
PETRO OUTRIGHT EURO	S5B	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	6	-16.7%	
PETRO OUTRIGHT EURO	S5F	0	0	0.0%	0	0	123	75	64.0%	0	0	0.0%	0	0	0.0%	1,309	1,208	8.4%	
PETRO OUTRIGHT EURO	S5M	0	0	0.0%	0	0	2,126	1,255	69.4%	0	0	0.0%	0	0	0.0%	21,556	17,615	22.4%	
PETRO OUTRIGHT EURO	S5O	0	0	0.0%	0	0	2,589	367	605.4%	0	0	0.0%	0	0	0.0%	16,736	8,659	93.3%	
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,450	0	0.0%	
PETRO OUTRIGHT EURO	T0	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	T2B	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%	
PETRO OUTRIGHT EURO	TLB	0	-	-	0	-	0	-	-	0	-	-	0	-	-	58	-	-	
PETRO OUTRIGHT EURO	TMB	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	415	-100.0%	
PETRO OUTRIGHT EURO	UNB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%	
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	582	0	0.0%	
PETRO OUTRIGHT NA	A8B	0	0	0.0%	0	0	50	375	-86.7%	0	0	0.0%	0	0	0.0%	1,140	375	204.0%	

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

Commodity Indicator	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG	
<b>Energy Futures</b>																			
PETRO OUTRIGHT NA	AB6	0	0	0.0%	0	0	0	280	75	273.3%	0	0	0.0%	0	0	0.0%	2,380	1,122	112.1%
PETRO OUTRIGHT NA	BCR	0	0	0.0%	0	0	0	2,050	200	925.0%	0	0	0.0%	0	0	0.0%	22,757	3,008	656.5%
PETRO OUTRIGHT NA	DBB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	75	-100.0%
PETRO OUTRIGHT NA	FCB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	32	0	0.0%
PETRO OUTRIGHT NA	H5B	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,834	-100.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0	0	0	45	-100.0%	0	0	0.0%	0	0	0.0%	275	1,005	-72.6%
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	0	450	325	38.5%	0	0	0.0%	0	0	0.0%	4,600	7,415	-38.0%
PETRO OUTRIGHT NA	JTB	0	0	0.0%	0	0	0	700	50	1,300.0%	0	0	0.0%	0	0	0.0%	1,365	2,155	-36.7%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	731	137	433.6%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	0	193	10	1,830.0%	0	0	0.0%	0	0	0.0%	1,128	598	88.6%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	0	135	265	-49.1%	0	0	0.0%	0	0	0.0%	5,063	13,105	-61.4%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	38	-100.0%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	65	70	-7.1%
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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%
PJM BGE DA PEAK	E3	-	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%
PJM COMED 5MW D AH PK	D8	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM DAILY	JD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	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%
PJM NILL DA PEAK	N3	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM OFF-PEAK LMP SWAP FUT	JP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM PECO ZONE5MW PEAK CA	4N	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	15,814	-100.0%

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## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG	
<b>Energy Futures</b>																			
PLASTICS	PGP	0	0	0.0%	0	0	0	877	1,033	-15.1%	0	0	0.0%	0	0	0.0%	16,144	12,946	24.7%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	185	158	17.1%
PREMIUM UNLEAD 10PPM FOB	8G	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PREM UNL GAS 10PPM RDAM F	7N	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PREM UNL GAS 10PPM RDAM F	7L	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	1,955	457	327.8%	0	0	0.0%	0	0	0.0%	16,854	18,785	-10.3%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	10,772	25,846	-58.3%	0	0	0.0%	0	0	0.0%	192,442	293,277	-34.4%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	7,315	5,838	25.3%	0	0	0.0%	0	0	0.0%	80,726	66,794	20.9%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	780	825	-5.5%	0	0	0.0%	0	0	0.0%	22,479	12,610	78.3%
RBOB CRACK SPREAD BALMO	1E	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
RBOB GASOLINE BALMO CLND	1D	0	0	0.0%	0	0	0	130	331	-60.7%	0	0	0.0%	0	0	0.0%	8,965	6,183	45.0%
RBOB PHY	RBL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,105	5,665	-80.5%
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	0	0.0%
SAN JUAN PIPE SWAP	XX	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	41	-100.0%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	23	39	-41.0%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	132	91	45.1%	0	0	0.0%	0	0	0.0%	2,155	2,420	-11.0%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	215	-100.0%
SINGAPORE FUEL OIL 180 CS	GMS	0	-	-	0	-	0	0	-	-	0	-	0	-	-	-	12	-	-
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	80	-100.0%
SINGAPORE GASOIL	MAF	0	0	0.0%	0	0	0	387	207	87.0%	0	0	0.0%	0	0	0.0%	3,476	2,422	43.5%
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	10	10	0.0%	0	0	0.0%	0	0	0.0%	62	72	-13.9%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	323	308	4.9%	0	0	0.0%	0	0	0.0%	4,414	3,810	15.9%
SINGAPORE GASOIL	SBM	0	0	0.0%	0	0	0	56	78	-28.2%	0	0	0.0%	0	0	0.0%	234	529	-55.8%
SINGAPORE GASOIL	STZ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE GASOIL CALEND	GHS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE GASOIL CALEND	MGO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE GASOIL CALEND	MSG	0	0	0.0%	0	0	0	620	530	17.0%	0	0	0.0%	0	0	0.0%	8,966	8,004	12.0%
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	0	0	1,039	4,164	-75.0%	0	0	0.0%	0	0	0.0%	14,347	14,475	-0.9%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	1,450	0	0.0%	0	0	0.0%	0	0	0.0%	12,558	282	4,353.2%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	345	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	750	0	0.0%	0	0	0.0%	0	0	0.0%	4,498	575	682.3%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	0	620	-100.0%	0	0	0.0%	0	0	0.0%	3,435	6,968	-50.7%

## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG	
<b>Energy Futures</b>																			
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	610	175	248.6%	
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	542	175	209.7%	0	0	0.0%	0	0	0.0%	7,823	24,455	-68.0%	
SING FUEL	MSD	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
Sumas Basis Swap	NK	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
TC2 ROTTERDAM TO USAC 37K	TM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	45	566.7%	
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	620	140	342.9%	
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%	
TD3 MEG TO JAPAN 250K MT	TL	0	0	0.0%	0	0	750	304	146.7%	0	0	0.0%	0	0	0.0%	12,995	23,464	-44.6%	
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	1,057	-100.0%	
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 6 BASIS SWAP	NZ	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
UCM FUT	UCM	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	0.0%	0	1,820	0	0	0.0%	0	0	0.0%	2,535	5,759	-56.0%	0	216	-100.0%	
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	10,125	4,110	146.4%	0	0	0.0%	0	0	0.0%	65,174	62,006	5.1%	
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	27,495	27,549	-0.2%	0	0	0.0%	0	0	0.0%	405,553	531,625	-23.7%	
WAHA BASIS	NW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	47,449	27,581	72.0%	0	0	0.0%	0	0	0.0%	619,958	431,790	43.6%	
WTI CALENDAR	CS	0	0	0.0%	0	0	70,518	43,143	63.5%	0	0	0.0%	0	0	0.0%	646,238	698,294	-7.5%	
WTI MIDLAND CRUDE OIL	WTL	0	0	0.0%	0	0	400	0	0.0%	0	0	0.0%	0	0	0.0%	3,055	300	918.3%	
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	480	1,450	-66.9%	0	0	0.0%	0	0	0.0%	38,836	56,600	-31.4%	
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	30	685	-95.6%	0	0	0.0%	0	0	0.0%	6,405	13,074	-51.0%	
<b>Energy Options</b>																			
BRENT CALENDAR SWAP	BA	0	0	0.0%	0	0	0	99	-100.0%	0	0	0.0%	0	0	0.0%	3,106	7,629	-59.3%	
BRENT CRUDE OIL 1 M CSO	9C	0	0	0.0%	0	0	500	0	0.0%	0	0	0.0%	0	0	0.0%	198,550	36,675	441.4%	
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	6,000	32,902	-81.8%	0	0	0.0%	0	2	-100.0%	237,991	411,514	-42.2%	
BRENT OIL LAST DAY	BZO	0	0	0.0%	959	1,781	-0.46	27,660	30,910	-10.5%	0	0	0.0%	34,356	152,366	-77.5%	285,135	402,788	-29.2%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	25	-100.0%	0	0	0.0%	
COAL API2 INDEX	CLA	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
COAL API2 INDEX	CQA	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
COAL API2 INDEX	F2C	0	-	-	0	-	25	-	-	0	-	-	0	-	-	1,605	-	-	

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Commodity Indicator	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG	
<b>Energy Options</b>																			
COAL API2 INDEX	F2Q	0	-	0	-	-	0	-	-	0	-	-	0	-	-	1,110	-	-	
CRUDE OIL	6Y	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%	
CRUDE OIL 1MO	WA	0	0.0%	4,150	12,400	-0.67	70,175	103,150	-32.0%	0	0	0.0%	49,630	101,621	-51.2%	1,264,645	2,120,111	-40.4%	
CRUDE OIL APO	AO	0	0.0%	0	0	0	81,933	64,678	26.7%	0	0	0.0%	0	3	-100.0%	417,103	686,052	-39.2%	
CRUDE OIL CALNDR STRIP	6F	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	170	-100.0%	
CRUDE OIL OUTRIGHTS	AH	-	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%	
CRUDE OIL PHY	CD	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,850	-100.0%	
CRUDE OIL PHY	LC	0	0.0%	0	0	0	11,020	4,775	130.8%	0	0	0.0%	1,400	0	0.0%	151,115	120,264	25.7%	
CRUDE OIL PHY	LO	0	0.0%	2,033,476	1,245,652	0.63	380,390	410,077	-7.2%	0	0	0.0%	23,868,630	24,414,355	-2.2%	6,137,431	5,152,836	19.1%	
CRUDE OIL PHY	LO1	0	0.0%	17,668	11,626	0.52	0	0	0.0%	0	0	0.0%	255,061	192,644	32.4%	2,225	2,075	7.2%	
CRUDE OIL PHY	LO2	0	0.0%	15,475	7,299	1.12	0	0	0.0%	0	0	0.0%	206,057	119,186	72.9%	4,350	1,200	262.5%	
CRUDE OIL PHY	LO3	0	0.0%	14,998	5,794	1.59	0	0	0.0%	0	0	0.0%	164,763	123,972	32.9%	1,050	0	0.0%	
CRUDE OIL PHY	LO4	0	0.0%	18,498	9,713	0.9	0	0	0.0%	0	0	0.0%	275,987	194,276	42.1%	2,650	826	220.8%	
CRUDE OIL PHY	LO5	0	0.0%	21,813	0	0	0	0	0.0%	0	0	0.0%	101,120	59,518	69.9%	0	0	0.0%	
ELEC FINSETTLED	PJN	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	43	-100.0%	
ETHANOL SWAP	CVR	0	0.0%	0	0	0	5,165	2,865	80.3%	0	0	0.0%	0	0	0.0%	41,665	51,531	-19.1%	
ETHANOL SWAP	GVR	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	600	-100.0%	
FREIGHT MARKETS	TDT	-	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	1,800	-100.0%	0	0	0.0%	0	0	0.0%	1,980	3,000	-34.0%	
HEATING OIL PHY	FZ	0	-	0	-	-	0	-	-	0	-	-	0	-	-	2,225	-	-	
HEATING OIL PHY	LB	0	0.0%	0	0	0	1,170	0	0.0%	0	0	0.0%	0	0	0.0%	3,081	3,527	-12.6%	
HEATING OIL PHY	OH	0	0.0%	3,252	1,416	1.3	8,570	5,275	62.5%	0	0	0.0%	27,666	35,373	-21.8%	75,843	118,356	-35.9%	
HENRY HUB FINANCIAL LAST	E7	0	0.0%	14	27	-0.48	12,679	5,448	132.7%	0	0	0.0%	54	47	14.9%	100,688	82,288	22.4%	
HO 1 MONTH CLNDR OPTIONS	FA	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	100	100.0%	
LLS CRUDE OIL	WJO	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
LLS CRUDE OIL	WTO	0	0.0%	0	0	0	1,800	0	0.0%	0	0	0.0%	0	0	0.0%	1,800	1,400	28.6%	
MCCLOSKEY ARA ARGS COAL	MTO	0	0.0%	0	0	0	0	2,856	-100.0%	0	0	0.0%	0	0	0.0%	540	11,104	-95.1%	
MCCLOSKEY RCH BAY COAL	MFO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	475	-100.0%	
NATURAL GAS 1 M CSO FIN	G4	0	0.0%	3,785	1,150	2.29	94,808	35,200	169.3%	0	0	0.0%	16,819	5,816	189.2%	728,802	1,120,142	-34.9%	
NATURAL GAS 2 M CSO FIN	G2	0	0.0%	0	0	0	8,250	8,300	-0.6%	0	0	0.0%	0	0	0.0%	38,500	27,950	37.7%	
NATURAL GAS 3 M CSO FIN	G3	0	0.0%	0	350	-1	0	5,850	-100.0%	0	0	0.0%	200	5,177	-96.1%	247,794	495,048	-49.9%	
NATURAL GAS 5 M CSO FIN	G5	0	0.0%	0	0	0	169	1,000	-83.1%	0	0	0.0%	0	0	0.0%	18,819	12,450	51.2%	
NATURAL GAS 6 M CSO FIN	G6	0	0.0%	0	0	0	12,650	600	2,008.3%	0	0	0.0%	400	0	0.0%	127,200	152,000	-16.3%	

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Commodity Indicator	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG
<b>Energy Options</b>																		
NATURAL GAS OPT	JKO	0	-	0	-	-	1,800	-	-	0	-	-	0	-	-	23,360	-	-
NATURAL GAS OPT	TFO	0	0.0%	0	0	0	0	900	-100.0%	0	0	0.0%	0	0	0.0%	153,770	217,820	-29.4%
NATURAL GAS OPTION ON CAL	6J	0	0.0%	0	0	0	530	5,500	-90.4%	0	0	0.0%	0	0	0.0%	63,850	38,580	65.5%
NATURAL GAS PHY	KD	0	0.0%	0	15	-1	475	2,475	-80.8%	0	0	0.0%	0	2,633	-100.0%	21,210	40,220	-47.3%
NATURAL GAS PHY	LN	0	0.0%	647,344	945,191	-0.32	631,227	1,241,812	-49.2%	0	0	0.0%	13,021,215	14,372,516	-9.4%	10,706,246	14,079,803	-24.0%
NATURAL GAS PHY	ON	0	0.0%	77,618	78,150	-0.01	529	1,300	-59.3%	0	0	0.0%	972,077	1,435,351	-32.3%	71,278	22,052	223.2%
NATURAL GAS SUMMER STRIP	4D	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	400	-100.0%
NATURAL GAS WINTER STRIP	6I	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	600	-100.0%
N ROCKIES PIPE SWAP	ZR	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	AT	0	0.0%	34	1	33	593	1,395	-57.5%	0	0	0.0%	706	725	-2.6%	11,926	18,549	-35.7%
PETROCHEMICALS	4H	0	0.0%	0	4	-1	420	0	0.0%	0	0	0.0%	75	15	400.0%	10,247	649	1,478.9%
PETROCHEMICALS	4J	0	0.0%	0	0	0	80	0	0.0%	0	0	0.0%	0	0	0.0%	1,395	630	121.4%
PETROCHEMICALS	4K	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,040	-100.0%
PETROCHEMICALS	CPR	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	180	126	42.9%
PETRO OUTRIGHT EURO	BCO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6	-100.0%
PETRO OUTRIGHT NA	1N5	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	200	-100.0%
PETRO OUTRIGHT NA	DAP	0	0.0%	0	0	0	210	225	-6.7%	0	0	0.0%	0	0	0.0%	1,620	1,540	5.2%
PJM WES HUB PEAK CAL MTH	6OA	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	770	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
RBOB 1MO CAL SPD OPTIONS	ZA	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
RBOB CALENDAR SWAP	RA	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,274	2,161	-41.0%
RBOB CRACK	RX	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
RBOB PHY	OB	0	0.0%	1,399	1,853	-0.25	1,675	2,441	-31.4%	0	0	0.0%	24,553	31,690	-22.5%	60,634	64,034	-5.3%
RBOB PHY	RF	0	0.0%	0	0	0	30	0	0.0%	0	0	0.0%	0	3	-100.0%	510	1,040	-51.0%
SAN JUAN PIPE SWAP	PJ	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SHORT TERM	U11	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	50	250	-80.0%
SHORT TERM	U12	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	600	-75.0%
SHORT TERM	U13	0	0.0%	0	0	0	350	0	0.0%	0	0	0.0%	0	0	0.0%	550	600	-8.3%
SHORT TERM	U14	0	0.0%	0	0	0	50	0	0.0%	0	0	0.0%	0	0	0.0%	350	200	75.0%
SHORT TERM	U15	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	350	800	-56.3%
SHORT TERM	U22	0	0.0%	0	0	0	100	100	0.0%	0	0	0.0%	0	0	0.0%	100	100	0.0%
SHORT TERM	U23	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	150	-100.0%
SHORT TERM	U24	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	50	100.0%
SHORT TERM	U25	0	-	0	-	-	0	-	-	0	-	-	0	-	-	300	-	-



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<b>Energy Options</b>																		
SHORT TERM	U26	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	75	0	0.0%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	275	500	-45.0%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	650	700	-7.1%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0	50	0	0.0%	0	0	0.0%	0	0	0.0%	150	650	-76.9%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	550	1,350	-59.3%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	350	-42.9%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	800	150	433.3%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	325	600	-45.8%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	400	-87.5%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	300	300	0.0%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	50	0	0.0%	0	0	0.0%	0	0	0.0%	150	450	-66.7%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	75	300	-75.0%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	375	-60.0%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	200	-50.0%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	325	-100.0%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	300	0.0%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	200	50.0%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	1,150	-95.7%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	600	-83.3%
SHORT TERM NATURAL GAS	U29	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	950	-94.7%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	250	1,075	-76.7%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	150	-100.0%
WTI-BRENT BULLET SWAP	BV	0	0	0.0%	775	0	54,050	23,150	133.5%	0	0	0.0%	10,875	17,102	-36.4%	379,875	514,230	-26.1%
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	250	0	11,200	18,800	-40.4%	0	0	0.0%	2,325	1,200	93.8%	755,910	1,017,470	-25.7%

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Commodity Indicator	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG	
<b>Metals Futures</b>																			
COMEX GOLD	GC	0	0	0.0%	3,021,383	3,973,811	-0.24	52,228	61,604	-15.2%	0	0	0.0%	57,283,046	76,003,612	-24.6%	1,181,951	2,123,919	-44.4%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	2,977	3,638	-0.18	16,784	13,263	26.5%	0	0	0.0%	47,445	52,596	-9.8%	199,372	167,810	18.8%
NYMEX PLATINUM	PL	0	0	0.0%	438,471	452,807	-0.03	6,958	13,273	-47.6%	0	0	0.0%	4,343,416	4,406,372	-1.4%	107,447	171,159	-37.2%
PALLADIUM	PA	0	0	0.0%	36,054	29,691	0.21	1,319	2,260	-41.6%	0	0	0.0%	575,887	650,795	-11.5%	28,695	36,992	-22.4%
URANIUM	UX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	543	55	887.3%	640	1,800	-64.4%
COMEX SILVER	SI	0	0	0.0%	990,136	1,664,102	-0.41	18,011	17,918	0.5%	0	0	0.0%	19,329,106	25,671,554	-24.7%	340,428	455,217	-25.2%
COMEX E-Mini GOLD	QO	0	0	0.0%	16,417	24,464	-0.33	0	0	0.0%	0	0	0.0%	269,903	386,925	-30.2%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	3,111	6,393	-0.51	0	0	0.0%	0	0	0.0%	67,532	106,315	-36.5%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	1,150,698	1,536,999	-0.25	11,592	14,709	-21.2%	0	0	0.0%	24,362,129	24,129,577	1.0%	222,396	188,195	18.2%
COMEX MINY COPPER	QC	0	0	0.0%	3,743	1,956	0.91	0	0	0.0%	0	0	0.0%	59,580	13,863	329.8%	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%	174	0	0.0%
ALUMINUM	AEP	0	0	0.0%	0	0	0	4,418	1,094	303.8%	0	0	0.0%	32	157	-79.6%	35,234	37,752	-6.7%
ALUMINUM	ALA	0	0	0.0%	0	0	0	120	0	0.0%	0	0	0.0%	0	70	-100.0%	3,825	1,739	120.0%
ALUMINUM	ALI	0	0	0.0%	15,186	2,257	5.73	0	0	0.0%	0	0	0.0%	145,169	42,673	240.2%	20	674	-97.0%
ALUMINUM	AUP	0	0	0.0%	500	450	0.11	11,042	4,106	168.9%	0	0	0.0%	6,153	5,954	3.3%	78,813	102,679	-23.2%
ALUMINUM	CUP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	50	-100.0%	0	0	0.0%
ALUMINUM	EDP	0	0	0.0%	0	60	-1	6,966	970	618.1%	0	0	0.0%	75	563	-86.7%	46,453	40,468	14.8%
ALUMINUM	MJP	0	0	0.0%	0	0	0	2,412	720	235.0%	0	0	0.0%	0	0	0.0%	7,574	11,870	-36.2%
COBALT METAL FUTURES	COB	0	0	0.0%	0	3	-1	175	0	0.0%	0	0	0.0%	12	3	300.0%	3,385	0	0.0%
COPPER	HGS	0	0	0.0%	0	0	0	3,311	2,362	40.2%	0	0	0.0%	0	0	0.0%	27,349	35,352	-22.6%
FERROUS PRODUCTS	BUS	0	0	0.0%	585	1,372	-0.57	225	1,660	-86.4%	0	0	0.0%	7,865	14,063	-44.1%	9,013	12,385	-27.2%
GOLD	4GC	0	0	0.0%	0	44	-1	0	0	0.0%	0	0	0.0%	116	778	-85.1%	0	0	0.0%
GOLD	SGC	0	0	0.0%	1,851	281	5.59	0	0	0.0%	0	0	0.0%	19,314	18,352	5.2%	0	0	0.0%
GOLD	SGU	0	0	0.0%	12,216	2,260	4.41	21	0	0.0%	0	0	0.0%	84,974	60,730	39.9%	21	0	0.0%
HOT ROLLED COIL STEEL FUTU	EHR	0	0	0.0%	141	88	0.6	1,200	650	84.6%	0	0	0.0%	2,216	754	193.9%	11,820	5,746	105.7%
IRON ORE 62 CHINA PLATTS FL	PIO	-	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	0	0	0	0	0.0%	0	0	0.0%	0	209	-100.0%	0	14,289	-100.0%
IRON ORE CHINA	TIO	0	0	0.0%	0	0	0	715	1,718	-58.4%	0	0	0.0%	16	0	0.0%	11,715	8,553	37.0%
LNDN ZINC	ZNC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
METALS	HDG	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	143	180	-20.6%
METALS	LTH	0	-	-	0	-	3	-	-	0	-	-	0	-	-	-	13	-	-
MICRO GOLD	MGC	0	0	0.0%	730,417	1,599,830	-0.54	0	0	0.0%	0	0	0.0%	13,924,959	21,783,469	-36.1%	0	0	0.0%
SILVER	SIL	0	0	0.0%	96,084	302,609	-0.68	0	0	0.0%	0	0	0.0%	2,197,275	2,449,936	-10.3%	0	0	0.0%



## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG	
<b>Metals Options</b>																			
ALUMINUM	ALO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,250	150	1,400.0%	
COMEX COPPER	HX	0	0	0.0%	26,678	15,084	0.77	8,204	8,034	2.1%	0	0	0.0%	478,358	277,992	72.1%	270,385	150,132	80.1%
COMEX GOLD	OG	0	0	0.0%	405,547	504,996	-0.2	49,432	87,180	-43.3%	0	0	0.0%	6,889,642	10,285,717	-33.0%	1,420,552	2,927,639	-51.5%
COMEX SILVER	SO	0	0	0.0%	79,161	114,662	-0.31	4,178	2,580	61.9%	0	0	0.0%	1,550,814	1,998,599	-22.4%	210,946	215,359	-2.0%
COPPER	H1E	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	85	683	-87.6%	0	400	-100.0%	
COPPER	H2E	0	0	0.0%	15	0	0	0	0.0%	0	0	0.0%	113	692	-83.7%	0	0	0.0%	
COPPER	H3E	0	0	0.0%	63	0	0	0	0.0%	0	0	0.0%	131	242	-45.9%	0	500	-100.0%	
COPPER	H4E	0	0	0.0%	18	0	0	0	0.0%	0	0	0.0%	98	370	-73.5%	80	0	0.0%	
COPPER	H5E	0	0	0.0%	1	0	0	0	0.0%	0	0	0.0%	8	692	-98.8%	0	0	0.0%	
GOLD	OG1	0	0	0.0%	18,669	37,624	-0.5	1,670	500	234.0%	0	0	0.0%	474,159	408,861	16.0%	31,832	18,712	70.1%
GOLD	OG2	0	0	0.0%	29,716	37,939	-0.22	2,526	2,708	-6.7%	0	0	0.0%	488,880	442,448	10.5%	30,530	26,063	17.1%
GOLD	OG3	0	0	0.0%	36,365	33,983	0.07	1,370	3,063	-55.3%	0	0	0.0%	480,598	370,400	29.8%	28,028	22,155	26.5%
GOLD	OG4	0	0	0.0%	23,318	20,701	0.13	2,265	750	202.0%	0	0	0.0%	341,987	321,197	6.5%	10,762	8,100	32.9%
GOLD	OG5	0	0	0.0%	19,429	0	0	1,035	0	0.0%	0	0	0.0%	138,690	117,447	18.1%	5,376	7,315	-26.5%
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	75	-100.0%	
HOT ROLLED COIL STEEL PUT	HRO	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 CALL C	ICT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,740	-100.0%	
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	6,349	-100.0%	
IRON ORE CHINA	ICT	0	0	0.0%	0	0	0	100	120	-16.7%	0	0	0.0%	0	0	0.0%	6,298	500	1,159.6%
NYMEX HOT ROLLED STEEL	HRO	0	0	0.0%	0	0	0	1,055	300	251.7%	0	0	0.0%	0	0	0.0%	4,855	1,275	280.8%
NYMEX PLATINUM	PO	0	0	0.0%	393	1,268	-0.69	1,140	300	280.0%	0	0	0.0%	6,057	6,916	-12.4%	28,746	21,431	34.1%
PALLADIUM	PAO	0	0	0.0%	6	27	-0.78	150	60	150.0%	0	0	0.0%	716	1,479	-51.6%	6,070	5,490	10.6%
SILVER	SO1	0	0	0.0%	2,830	1,402	1.02	80	0	0.0%	0	0	0.0%	35,600	26,960	32.0%	4,011	1,465	173.8%
SILVER	SO2	0	0	0.0%	3,272	1,225	1.67	375	0	0.0%	0	0	0.0%	39,867	26,041	53.1%	3,998	405	887.2%
SILVER	SO3	0	0	0.0%	3,110	2,284	0.36	480	311	54.3%	0	0	0.0%	31,991	22,344	43.2%	4,108	1,850	122.1%
SILVER	SO4	0	0	0.0%	2,909	1,155	1.52	0	0	0.0%	0	0	0.0%	24,608	16,611	48.1%	922	450	104.9%
SILVER	SO5	0	0	0.0%	2,553	0	0	100	0	0.0%	0	0	0.0%	10,488	7,466	40.5%	995	78	1,175.6%
<b>TOTAL FUTURES GROUP</b>																			
Ag Products Futures		0	0	0.0%	0	2	-100.0%	0	0	0.0%	0	0	0.0%	2	71	-97.2%	0	0	0.0%
Energy Futures		0	0	0.0%	34,709,091	32,780,701	5.9%	1,766,054	1,882,103	-6.2%	0	0	0.0%	465,185,959	510,213,532	-8.8%	24,652,254	27,144,757	-9.2%
Metals Futures		0	0	0.0%	6,519,970	9,603,115	-32.1%	137,500	136,457	0.8%	0	0	0.0%	122,726,763	155,799,425	-21.2%	2,316,481	3,416,779	-32.2%
<b>TOTAL FUTURES</b>		<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>41,229,061</b>	<b>42,383,818</b>	<b>-2.7%</b>	<b>1,903,554</b>	<b>2,018,560</b>	<b>-5.7%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>587,912,724</b>	<b>666,013,028</b>	<b>-11.7%</b>	<b>26,968,735</b>	<b>30,561,536</b>	<b>-11.8%</b>

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

Commodity Indicator	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	CME ClearPort DEC 2021	CME ClearPort DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG	CME ClearPort Y.T.D 2021	CME ClearPort Y.T.D 2020	% CHG
<b>TOTAL OPTIONS GROUP</b>																		
Energy Options	0	0	0.0%	2,861,508	2,322,422	23.2%	1,426,383	2,014,283	-29.2%	0	0	0.0%	39,033,969	41,265,616	-5.4%	22,367,338	27,059,799	-17.3%
Metals Options	0	0	0.0%	654,053	772,350	-15.3%	74,160	105,906	-30.0%	0	0	0.0%	10,992,890	14,333,157	-23.3%	2,070,744	3,419,633	-39.4%
<b>TOTAL OPTIONS</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>3,515,561</b>	<b>3,094,772</b>	<b>13.6%</b>	<b>1,500,543</b>	<b>2,120,189</b>	<b>-29.2%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>50,026,859</b>	<b>55,598,773</b>	<b>-10.0%</b>	<b>24,438,082</b>	<b>30,479,432</b>	<b>-19.8%</b>
<b>TOTAL COMBINED</b>																		
Ag Products	0	0	0.0%	0	2	-100.0%	0	0	0.0%	0	0	0.0%	2	71	-97.2%	0	0	0.0%
Energy	0	0	0.0%	37,570,599	35,103,123	7.0%	3,192,437	3,896,386	-18.1%	0	0	0.0%	504,219,928	551,479,148	-8.6%	47,019,592	54,204,556	-13.3%
Metals	0	0	0.0%	7,174,023	10,375,465	-30.9%	211,660	242,363	-12.7%	0	0	0.0%	133,719,653	170,132,582	-21.4%	4,387,225	6,836,412	-35.8%
<b>GRAND TOTAL</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>44,744,622</b>	<b>45,478,590</b>	<b>-1.6%</b>	<b>3,404,097</b>	<b>4,138,749</b>	<b>-17.8%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>637,939,583</b>	<b>721,611,801</b>	<b>-11.6%</b>	<b>51,406,817</b>	<b>61,040,968</b>	<b>-15.8%</b>

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