### CME Group Exchange Open Interest Report - Monthly

<table>
<thead>
<tr>
<th>Interest Rate Futures</th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-YR Eris LIBOR</td>
<td>0</td>
<td>55,290</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>10-YR Eris SOFR</td>
<td>82,024</td>
<td>17,983</td>
<td>356.1%</td>
<td>74,146</td>
<td>10.6%</td>
</tr>
<tr>
<td>10-YR MAC LIBOR</td>
<td>0</td>
<td>6,947</td>
<td>-100.0%</td>
<td>0</td>
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<tr>
<td>10-YR MAC SOFR</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>10-YR NOTE</td>
<td>4,415,393</td>
<td>4,377,107</td>
<td>0.9%</td>
<td>4,350,564</td>
<td>1.5%</td>
</tr>
<tr>
<td>10Y YIELD</td>
<td>3,434</td>
<td>2,907</td>
<td>18.1%</td>
<td>2,050</td>
<td>67.5%</td>
</tr>
<tr>
<td>13-Week U.S. T-Bill Futures</td>
<td>4,388</td>
<td>0</td>
<td>-</td>
<td>4,721</td>
<td>-7.1%</td>
</tr>
<tr>
<td>15-YR Eris LIBOR</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>1-MONTH EURODOLLAR</td>
<td>0</td>
<td>1,000</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>1-YR Eris BSBY</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>1-YR Eris SOFR</td>
<td>4,684</td>
<td>11,933</td>
<td>-60.7%</td>
<td>4,395</td>
<td>6.6%</td>
</tr>
<tr>
<td>20-YR BOND</td>
<td>0</td>
<td>281</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>2-YR Eris LIBOR</td>
<td>0</td>
<td>3,461</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
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<tr>
<td>2-YR Eris BSBY</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>2-YR Eris SOFR</td>
<td>19,869</td>
<td>31,820</td>
<td>-37.6%</td>
<td>22,751</td>
<td>-12.7%</td>
</tr>
<tr>
<td>2-YR NOTE</td>
<td>4,103,303</td>
<td>2,729,715</td>
<td>50.3%</td>
<td>3,756,330</td>
<td>9.2%</td>
</tr>
<tr>
<td>2Y YIELD</td>
<td>423</td>
<td>619</td>
<td>-31.7%</td>
<td>518</td>
<td>-18.3%</td>
</tr>
<tr>
<td>30-Year UMBS TBA Futures - 2.5%</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>30-Year UMBS TBA Futures - 3.0%</td>
<td>76</td>
<td>26</td>
<td>192.3%</td>
<td>84</td>
<td>-9.5%</td>
</tr>
<tr>
<td>30-Year UMBS TBA Futures - 3.5%</td>
<td>120</td>
<td>64</td>
<td>187.5%</td>
<td>308</td>
<td>-61.0%</td>
</tr>
<tr>
<td>30-Year UMBS TBA Futures - 4.0%</td>
<td>373</td>
<td>22</td>
<td>1,595.5%</td>
<td>289</td>
<td>29.1%</td>
</tr>
<tr>
<td>30-Year UMBS TBA Futures - 4.5%</td>
<td>603</td>
<td>94</td>
<td>541.5%</td>
<td>233</td>
<td>158.8%</td>
</tr>
<tr>
<td>30-Year UMBS TBA Futures - 5.0%</td>
<td>456</td>
<td>65</td>
<td>601.5%</td>
<td>549</td>
<td>-16.9%</td>
</tr>
<tr>
<td>30-Year UMBS TBA Futures - 5.5%</td>
<td>3,340</td>
<td>25</td>
<td>13,260.0%</td>
<td>1,081</td>
<td>209.0%</td>
</tr>
<tr>
<td>30-Year UMBS TBA Futures - 6.0%</td>
<td>2,121</td>
<td>0</td>
<td>-</td>
<td>1,319</td>
<td>60.8%</td>
</tr>
<tr>
<td>30-YR BOND</td>
<td>1,573,888</td>
<td>1,183,910</td>
<td>32.9%</td>
<td>1,514,046</td>
<td>4.0%</td>
</tr>
<tr>
<td>30-YR Eris LIBOR</td>
<td>0</td>
<td>2,273</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>30-YR MAC LIBOR</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>30-YR SWAP RATE</td>
<td>2,273</td>
<td>0</td>
<td>-</td>
<td>2,273</td>
<td>0.0%</td>
</tr>
<tr>
<td>30Y YIELD</td>
<td>30</td>
<td>91</td>
<td>-67.0%</td>
<td>22</td>
<td>36.4%</td>
</tr>
<tr>
<td>3-YR Eris BSBY</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>3-YR Eris LIBOR</td>
<td>0</td>
<td>14,050</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>3-YR Eris SOFR</td>
<td>17,055</td>
<td>3,973</td>
<td>329.3%</td>
<td>18,354</td>
<td>-7.1%</td>
</tr>
<tr>
<td>3-YR NOTE</td>
<td>17,840</td>
<td>9,615</td>
<td>85.5%</td>
<td>15,159</td>
<td>17.7%</td>
</tr>
<tr>
<td>4-YR Eris LIBOR</td>
<td>0</td>
<td>6,108</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>4-YR Eris SOFR</td>
<td>5,342</td>
<td>2,134</td>
<td>150.3%</td>
<td>5,215</td>
<td>2.4%</td>
</tr>
<tr>
<td>5-YR Eris LIBOR</td>
<td>0</td>
<td>3,816</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>5-YR Eris SOFR</td>
<td>45,769</td>
<td>20,788</td>
<td>120.2%</td>
<td>38,713</td>
<td>18.2%</td>
</tr>
<tr>
<td>5-YR MAC LIBOR</td>
<td>0</td>
<td>68</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>5-YR MAC SOFR</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>5-YR NOTE</td>
<td>6,015,556</td>
<td>4,717,075</td>
<td>27.5%</td>
<td>5,983,841</td>
<td>0.5%</td>
</tr>
<tr>
<td>5Y YIELD</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>7-YR Eris LIBOR</td>
<td>0</td>
<td>16,629</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>7-YR Eris SOFR</td>
<td>17,042</td>
<td>294</td>
<td>5,696.6%</td>
<td>17,139</td>
<td>-0.6%</td>
</tr>
<tr>
<td>BSBY 3-MONTH FUTURES</td>
<td>534</td>
<td>12,123</td>
<td>-95.6%</td>
<td>697</td>
<td>-23.4%</td>
</tr>
<tr>
<td>ESTR Basis Spread Futures</td>
<td>3,233</td>
<td>589</td>
<td>448.9%</td>
<td>3,323</td>
<td>-2.7%</td>
</tr>
<tr>
<td>ESTR Futures</td>
<td>41,507</td>
<td>1,963</td>
<td>2,014.5%</td>
<td>31,843</td>
<td>30.3%</td>
</tr>
<tr>
<td>EURODOLLARS</td>
<td>0</td>
<td>622,582</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>FED FUND</td>
<td>1,857,089</td>
<td>1,944,488</td>
<td>-4.5%</td>
<td>1,984,922</td>
<td>-6.4%</td>
</tr>
<tr>
<td>FTIIE</td>
<td>157</td>
<td>147</td>
<td>6.8%</td>
<td>204</td>
<td>-23.0%</td>
</tr>
<tr>
<td>MICRO ULTRA 10-YEAR NOTE</td>
<td>1,250</td>
<td>0</td>
<td>-</td>
<td>74</td>
<td>1,589.2%</td>
</tr>
</tbody>
</table>

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### Interest Rate Futures

<table>
<thead>
<tr>
<th>Futures</th>
<th>APR 2024</th>
<th>APR 2023</th>
<th>% CHG</th>
<th>MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICRO ULTRA T-BOND</td>
<td>290</td>
<td>0</td>
<td>-</td>
<td>392</td>
<td>-26.0%</td>
</tr>
<tr>
<td>SOFR</td>
<td>11,244,835</td>
<td>10,532,890</td>
<td>6.8%</td>
<td>11,085,979</td>
<td>1.4%</td>
</tr>
<tr>
<td>SONIA</td>
<td>178</td>
<td>4,241</td>
<td>-95.8%</td>
<td>163</td>
<td>9.2%</td>
</tr>
<tr>
<td>UBSBM</td>
<td>319</td>
<td>0</td>
<td>-</td>
<td>100</td>
<td>219.0%</td>
</tr>
<tr>
<td>Ultra 10-Year Note</td>
<td>2,067,414</td>
<td>1,624,714</td>
<td>27.2%</td>
<td>2,036,111</td>
<td>1.5%</td>
</tr>
<tr>
<td>ULTRA T-BOND</td>
<td>1,639,531</td>
<td>1,439,614</td>
<td>13.9%</td>
<td>1,588,197</td>
<td>3.2%</td>
</tr>
</tbody>
</table>

### Interest Rate Options

<table>
<thead>
<tr>
<th>Options</th>
<th>APR 2024</th>
<th>APR 2023</th>
<th>% CHG</th>
<th>MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-YR NOTE</td>
<td>3,126,921</td>
<td>2,325,958</td>
<td>34.4%</td>
<td>2,750,189</td>
<td>13.7%</td>
</tr>
<tr>
<td>2-YR NOTE</td>
<td>392,292</td>
<td>145,826</td>
<td>169.0%</td>
<td>343,650</td>
<td>14.2%</td>
</tr>
<tr>
<td>30-YR BOND</td>
<td>589,966</td>
<td>445,423</td>
<td>32.5%</td>
<td>613,836</td>
<td>-3.9%</td>
</tr>
<tr>
<td>5-YR NOTE</td>
<td>1,321,455</td>
<td>1,281,353</td>
<td>3.1%</td>
<td>1,070,762</td>
<td>23.4%</td>
</tr>
<tr>
<td>EURODOLLARS</td>
<td>0</td>
<td>2,004,022</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>EURO MIDCURVE</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>FED FUND</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>SOFR</td>
<td>30,065,208</td>
<td>34,063,179</td>
<td>-11.7%</td>
<td>29,591,097</td>
<td>1.6%</td>
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<tr>
<td>SOFR MIDCURVE</td>
<td>5,586,005</td>
<td>5,844,394</td>
<td>-4.4%</td>
<td>5,028,463</td>
<td>11.1%</td>
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<tr>
<td>SOFR MISCURVE</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Ultra 10-Year Note</td>
<td>7,313</td>
<td>138</td>
<td>5,199.3%</td>
<td>3,752</td>
<td>94.9%</td>
</tr>
<tr>
<td>ULTRA 10-YEAR NOTE</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>ULTRA T-BOND</td>
<td>11,719</td>
<td>1,644</td>
<td>612.8%</td>
<td>10,651</td>
<td>10.0%</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Equity Index Futures</th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASDAQ BIOTECH SECTOR</td>
<td>42</td>
<td>23</td>
<td>82.6%</td>
<td>7</td>
<td>500.0%</td>
</tr>
<tr>
<td>Nearby BTIC+</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>NIKKEI 225 ($) STOCK</td>
<td>16,170</td>
<td>12,538</td>
<td>29.0%</td>
<td>17,903</td>
<td>-9.7%</td>
</tr>
<tr>
<td>NIKKEI 225 (YEN) STOCK</td>
<td>46,548</td>
<td>47,090</td>
<td>-1.2%</td>
<td>48,003</td>
<td>-3.0%</td>
</tr>
<tr>
<td>PHLX SEMICONDUCTOR SECTO</td>
<td>2,245</td>
<td>362</td>
<td>520.2%</td>
<td>1,621</td>
<td>38.5%</td>
</tr>
<tr>
<td>S&amp;P 500</td>
<td>58,282</td>
<td>77,864</td>
<td>-25.1%</td>
<td>58,458</td>
<td>-3.0%</td>
</tr>
<tr>
<td>S&amp;P 500 QUARLY DIVIDEND IND</td>
<td>44,755</td>
<td>36,133</td>
<td>23.9%</td>
<td>42,234</td>
<td>6.0%</td>
</tr>
<tr>
<td>S&amp;P 600 SMALLCAP EMINI</td>
<td>641</td>
<td>0</td>
<td>-</td>
<td>562</td>
<td>14.1%</td>
</tr>
<tr>
<td>S&amp;P BIOTECHNOLOGY SECTOR</td>
<td>348</td>
<td>1,439</td>
<td>-75.8%</td>
<td>336</td>
<td>3.6%</td>
</tr>
<tr>
<td>S&amp;P COMMUNICATION SERVICE</td>
<td>8,761</td>
<td>3,968</td>
<td>120.8%</td>
<td>7,494</td>
<td>16.9%</td>
</tr>
<tr>
<td>S&amp;P CONSUMER DISCRETIONAR</td>
<td>4,789</td>
<td>4,816</td>
<td>-0.6%</td>
<td>6,637</td>
<td>-27.8%</td>
</tr>
<tr>
<td>S&amp;P CONSUMER STAPLES SECTOR</td>
<td>23,690</td>
<td>14,351</td>
<td>65.1%</td>
<td>18,034</td>
<td>31.4%</td>
</tr>
<tr>
<td>S&amp;P ENERGY SECTOR</td>
<td>26,700</td>
<td>22,533</td>
<td>18.5%</td>
<td>21,048</td>
<td>26.9%</td>
</tr>
<tr>
<td>S&amp;P FINANCIAL SECTOR</td>
<td>46,255</td>
<td>37,712</td>
<td>22.7%</td>
<td>48,362</td>
<td>-4.4%</td>
</tr>
<tr>
<td>S&amp;P HEALTH CARE SECTOR</td>
<td>11,948</td>
<td>18,217</td>
<td>-36.4%</td>
<td>11,149</td>
<td>4.0%</td>
</tr>
<tr>
<td>S&amp;P INDUSTRIAL SECTOR</td>
<td>9,266</td>
<td>18,332</td>
<td>-49.5%</td>
<td>8,624</td>
<td>7.4%</td>
</tr>
<tr>
<td>S&amp;P MATERIALS SECTOR</td>
<td>12,854</td>
<td>5,509</td>
<td>133.3%</td>
<td>7,679</td>
<td>67.4%</td>
</tr>
<tr>
<td>S&amp;P OIL &amp; GAS EXPLORATION A</td>
<td>21</td>
<td>63</td>
<td>-66.7%</td>
<td>4</td>
<td>425.0%</td>
</tr>
<tr>
<td>S&amp;P REAL ESTATE SECTOR</td>
<td>14,230</td>
<td>6,971</td>
<td>104.1%</td>
<td>12,760</td>
<td>11.5%</td>
</tr>
<tr>
<td>S&amp;P REGIONAL BANKS SECTOR</td>
<td>411</td>
<td>594</td>
<td>-30.8%</td>
<td>406</td>
<td>1.2%</td>
</tr>
<tr>
<td>S&amp;P RETAIL SECTOR</td>
<td>19</td>
<td>30</td>
<td>-36.7%</td>
<td>560</td>
<td>-96.6%</td>
</tr>
<tr>
<td>S&amp;P TECHNOLOGY SECTOR</td>
<td>14,809</td>
<td>11,399</td>
<td>29.9%</td>
<td>11,870</td>
<td>24.8%</td>
</tr>
<tr>
<td>S&amp;P UTILITIES SECTOR</td>
<td>23,533</td>
<td>24,064</td>
<td>-2.2%</td>
<td>23,109</td>
<td>1.8%</td>
</tr>
<tr>
<td>TOPIX (USD)</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>TOPIX (YEN)</td>
<td>137</td>
<td>45</td>
<td>204.4%</td>
<td>225</td>
<td>-39.1%</td>
</tr>
<tr>
<td>WATER INDEX FUTURES</td>
<td>1</td>
<td>2</td>
<td>-50.0%</td>
<td>2</td>
<td>-50.0%</td>
</tr>
</tbody>
</table>

## Equity Index Options

<table>
<thead>
<tr>
<th>Option Type</th>
<th>Open Interest</th>
<th>Open Interest</th>
<th>% CHG</th>
<th>Open Interest</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>BITCOIN OPTIONS</td>
<td>5,628</td>
<td>13,307</td>
<td>-57.7%</td>
<td>11,106</td>
<td>-49.3%</td>
</tr>
<tr>
<td>DJIA</td>
<td>0</td>
<td>0</td>
<td>0.0%</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>E-mini ($5) Dow</td>
<td>86</td>
<td>324</td>
<td>-73.5%</td>
<td>159</td>
<td>-45.9%</td>
</tr>
<tr>
<td>E-MINI NASDAQ 100</td>
<td>211,964</td>
<td>164,626</td>
<td>28.8%</td>
<td>190,222</td>
<td>11.4%</td>
</tr>
<tr>
<td>E-MINI RUSSELL 2000</td>
<td>92,409</td>
<td>49,452</td>
<td>86.9%</td>
<td>78,929</td>
<td>17.1%</td>
</tr>
<tr>
<td>E-MINI S&amp;P500</td>
<td>6,288,769</td>
<td>5,023,186</td>
<td>25.2%</td>
<td>5,703,324</td>
<td>10.3%</td>
</tr>
<tr>
<td>ETHER OPTIONS</td>
<td>1,776</td>
<td>2,032</td>
<td>-12.6%</td>
<td>5,319</td>
<td>-66.6%</td>
</tr>
<tr>
<td>EVENT CONTRACT S&amp;P 500</td>
<td>0</td>
<td>0</td>
<td>0.0%</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>MICRO BITCOIN</td>
<td>4,277</td>
<td>6,301</td>
<td>-32.1%</td>
<td>7,395</td>
<td>-42.2%</td>
</tr>
<tr>
<td>MICRO E-MINI NASDAQ 100</td>
<td>8,150</td>
<td>6,740</td>
<td>20.9%</td>
<td>7,509</td>
<td>8.5%</td>
</tr>
<tr>
<td>Micro E-mini S&amp;P 500</td>
<td>129,923</td>
<td>50,025</td>
<td>159.7%</td>
<td>148,448</td>
<td>-12.5%</td>
</tr>
<tr>
<td>MICRO ETHER</td>
<td>6,558</td>
<td>16,371</td>
<td>-59.9%</td>
<td>23,581</td>
<td>-72.2%</td>
</tr>
<tr>
<td>S&amp;P 500</td>
<td>80,698</td>
<td>0</td>
<td>-</td>
<td>29,233</td>
<td>176.1%</td>
</tr>
</tbody>
</table>

*** Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.***

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# CME Group Exchange Open Interest Report - Monthly

## Metals Futures

<table>
<thead>
<tr>
<th>Metal</th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>56,587</td>
<td>58,805</td>
<td>-3.8%</td>
<td>56,338</td>
<td>0.4%</td>
</tr>
<tr>
<td>Cobalt Metal Futures</td>
<td>18,795</td>
<td>20,357</td>
<td>-7.7%</td>
<td>18,624</td>
<td>0.9%</td>
</tr>
<tr>
<td>COMEX Copper</td>
<td>293,492</td>
<td>196,596</td>
<td>49.3%</td>
<td>285,494</td>
<td>2.8%</td>
</tr>
<tr>
<td>COMEX E-Mini Gold</td>
<td>1,157</td>
<td>1,084</td>
<td>6.7%</td>
<td>1,006</td>
<td>15.0%</td>
</tr>
<tr>
<td>COMEX E-Mini Silver</td>
<td>661</td>
<td>337</td>
<td>96.1%</td>
<td>559</td>
<td>18.2%</td>
</tr>
<tr>
<td>COMEX Gold</td>
<td>519,791</td>
<td>475,817</td>
<td>9.2%</td>
<td>507,834</td>
<td>2.4%</td>
</tr>
<tr>
<td>COMEX MNY Copper</td>
<td>371</td>
<td>364</td>
<td>1.9%</td>
<td>418</td>
<td>-11.2%</td>
</tr>
<tr>
<td>COMEX Silver</td>
<td>166,315</td>
<td>140,253</td>
<td>18.6%</td>
<td>160,771</td>
<td>250.0%</td>
</tr>
<tr>
<td>Copper</td>
<td>12,628</td>
<td>18,718</td>
<td>-32.5%</td>
<td>13,401</td>
<td>-5.8%</td>
</tr>
<tr>
<td>Ferrous Products</td>
<td>4,996</td>
<td>5,919</td>
<td>-15.6%</td>
<td>6,066</td>
<td>-17.6%</td>
</tr>
<tr>
<td>Gold</td>
<td>1,060</td>
<td>761</td>
<td>39.3%</td>
<td>501</td>
<td>111.6%</td>
</tr>
<tr>
<td>Hot Rolled Coil Steel Futures</td>
<td>6,541</td>
<td>6,680</td>
<td>-2.1%</td>
<td>6,243</td>
<td>4.8%</td>
</tr>
<tr>
<td>Iron Ore China</td>
<td>630</td>
<td>171</td>
<td>268.4%</td>
<td>180</td>
<td>250.0%</td>
</tr>
<tr>
<td>Lithium Carbonate Futures</td>
<td>10</td>
<td>0</td>
<td>-</td>
<td>75</td>
<td>-86.7%</td>
</tr>
<tr>
<td>Metals</td>
<td>23,034</td>
<td>2,494</td>
<td>823.6%</td>
<td>24,388</td>
<td>-5.6%</td>
</tr>
<tr>
<td>Micro Gold</td>
<td>37,555</td>
<td>21,809</td>
<td>72.2%</td>
<td>34,839</td>
<td>7.8%</td>
</tr>
<tr>
<td>Molybdenum Oxide Futures</td>
<td>1,041</td>
<td>202</td>
<td>415.3%</td>
<td>1,065</td>
<td>-2.3%</td>
</tr>
<tr>
<td>NYMEX Hot Rolled Steel</td>
<td>24,251</td>
<td>25,322</td>
<td>-4.2%</td>
<td>29,474</td>
<td>-17.7%</td>
</tr>
<tr>
<td>NYMEX Platinum</td>
<td>80,142</td>
<td>73,107</td>
<td>9.6%</td>
<td>79,389</td>
<td>0.9%</td>
</tr>
<tr>
<td>Palladium</td>
<td>23,638</td>
<td>12,521</td>
<td>88.8%</td>
<td>19,183</td>
<td>23.2%</td>
</tr>
<tr>
<td>Silver</td>
<td>11,263</td>
<td>8,626</td>
<td>30.6%</td>
<td>8,562</td>
<td>31.5%</td>
</tr>
<tr>
<td>Uranium</td>
<td>152</td>
<td>0</td>
<td>-</td>
<td>152</td>
<td>0.0%</td>
</tr>
</tbody>
</table>

## Metals Options

<table>
<thead>
<tr>
<th>Metal</th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>2,130</td>
<td>481</td>
<td>342.8%</td>
<td>4,167</td>
<td>-48.9%</td>
</tr>
<tr>
<td>COMEX Copper</td>
<td>227,884</td>
<td>98,635</td>
<td>131.0%</td>
<td>190,322</td>
<td>19.7%</td>
</tr>
<tr>
<td>COMEX Gold</td>
<td>1,020,106</td>
<td>849,729</td>
<td>20.1%</td>
<td>849,931</td>
<td>20.0%</td>
</tr>
<tr>
<td>COMEX Silver</td>
<td>168,793</td>
<td>120,854</td>
<td>39.7%</td>
<td>119,458</td>
<td>41.3%</td>
</tr>
<tr>
<td>Copper</td>
<td>3,801</td>
<td>388</td>
<td>879.6%</td>
<td>4,483</td>
<td>-15.2%</td>
</tr>
<tr>
<td>Gold</td>
<td>49,760</td>
<td>30,952</td>
<td>60.8%</td>
<td>69,011</td>
<td>-27.9%</td>
</tr>
<tr>
<td>Iron Ore China</td>
<td>360</td>
<td>0</td>
<td>-</td>
<td>360</td>
<td>0.0%</td>
</tr>
<tr>
<td>NYMEX Hot Rolled Steel</td>
<td>10,076</td>
<td>7,700</td>
<td>30.9%</td>
<td>10,066</td>
<td>0.1%</td>
</tr>
<tr>
<td>NYMEX Platinum</td>
<td>22,530</td>
<td>27,360</td>
<td>-17.7%</td>
<td>15,493</td>
<td>45.4%</td>
</tr>
<tr>
<td>Palladium</td>
<td>1,620</td>
<td>1,942</td>
<td>-16.6%</td>
<td>1,187</td>
<td>36.5%</td>
</tr>
<tr>
<td>Silver</td>
<td>12,046</td>
<td>4,962</td>
<td>142.8%</td>
<td>13,132</td>
<td>-8.3%</td>
</tr>
</tbody>
</table>

## Energy Futures

<table>
<thead>
<tr>
<th>Futures</th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEP-Dayton Hub Daily</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Argus LLS vs. WTI (ARG) T</td>
<td>3,655</td>
<td>7,315</td>
<td>-50.0%</td>
<td>3,370</td>
<td>8.5%</td>
</tr>
<tr>
<td>Argus Propan Far East Inde</td>
<td>6,700</td>
<td>6,159</td>
<td>8.8%</td>
<td>6,481</td>
<td>3.4%</td>
</tr>
<tr>
<td>Argus Propan (Saudi Aramco)</td>
<td>1,662</td>
<td>1,877</td>
<td>4.5%</td>
<td>1,891</td>
<td>3.8%</td>
</tr>
<tr>
<td>Brent Balmo Swap</td>
<td>25</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Brent Calendar Swap</td>
<td>12,423</td>
<td>29,809</td>
<td>-58.3%</td>
<td>14,166</td>
<td>-12.3%</td>
</tr>
<tr>
<td>Brent Financial Futures</td>
<td>70</td>
<td>210</td>
<td>-66.7%</td>
<td>80</td>
<td>-12.5%</td>
</tr>
<tr>
<td>Brent Oil Last Day</td>
<td>141,090</td>
<td>144,631</td>
<td>-2.4%</td>
<td>120,444</td>
<td>17.1%</td>
</tr>
<tr>
<td>Car Vintage</td>
<td>10,835</td>
<td>31,652</td>
<td>-65.8%</td>
<td>10,704</td>
<td>1.2%</td>
</tr>
<tr>
<td>CEU Energy</td>
<td>48</td>
<td>0</td>
<td>-</td>
<td>55</td>
<td>-12.7%</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Energy Futures</th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHICAGO ETHANOL SWAP</td>
<td>38,882</td>
<td>36,496</td>
<td>6.5%</td>
<td>45,956</td>
<td>-15.4%</td>
</tr>
<tr>
<td>CHICAGO ULSD PL VS HO SPR</td>
<td>3,330</td>
<td>2,615</td>
<td>27.3%</td>
<td>2,613</td>
<td>27.4%</td>
</tr>
<tr>
<td>CHICAGO UNGAS PL VS RBO</td>
<td>975</td>
<td>0</td>
<td>-</td>
<td>1,000</td>
<td>-2.5%</td>
</tr>
<tr>
<td>CONWAY NATURAL GASOLINE (</td>
<td>580</td>
<td>444</td>
<td>30.6%</td>
<td>591</td>
<td>-2.4%</td>
</tr>
<tr>
<td>CONWAY NORMAL BUTANE (OP)</td>
<td>459</td>
<td>571</td>
<td>-19.6%</td>
<td>244</td>
<td>88.1%</td>
</tr>
<tr>
<td>CONWAY PROPANE 5 DECIMALS</td>
<td>19,353</td>
<td>22,665</td>
<td>-14.6%</td>
<td>18,497</td>
<td>4.6%</td>
</tr>
<tr>
<td>CRUDE OIL</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>CRUDE OIL LAST DAY</td>
<td>725</td>
<td>2,100</td>
<td>-65.5%</td>
<td>850</td>
<td>-14.7%</td>
</tr>
<tr>
<td>CRUDE OIL OUTRIGHTS</td>
<td>325,869</td>
<td>208,598</td>
<td>56.2%</td>
<td>302,491</td>
<td>7.7%</td>
</tr>
<tr>
<td>CRUDE OIL PHY</td>
<td>1,814,591</td>
<td>1,915,118</td>
<td>-5.2%</td>
<td>1,790,556</td>
<td>1.3%</td>
</tr>
<tr>
<td>CRUDE OIL SPRDS</td>
<td>285,030</td>
<td>206,553</td>
<td>38.0%</td>
<td>247,833</td>
<td>15.0%</td>
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<tr>
<td>CRUDE OIL TRADE AT MARKER</td>
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<td>0</td>
<td>0.0%</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>DATED BRENT (PLATTS) DAILY S</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>200</td>
<td>-100.0%</td>
</tr>
<tr>
<td>DATED TO FRONTLINE BRENT</td>
<td>0</td>
<td>1,665</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>DIESEL 10P BRG FOB RDM VS</td>
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<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>DUBAI CRUDE OIL CALENDAR</td>
<td>1,608</td>
<td>1,774</td>
<td>-9.4%</td>
<td>2,642</td>
<td>-9.4%</td>
</tr>
<tr>
<td>DUTCH TTF NATURAL GAS CAL</td>
<td>2,394</td>
<td>2,719</td>
<td>-12.0%</td>
<td>2,624</td>
<td>-9.4%</td>
</tr>
<tr>
<td>EIA FLAT TAX ONHWAY DIESE</td>
<td>1,608</td>
<td>1,774</td>
<td>-9.4%</td>
<td>1,311</td>
<td>22.7%</td>
</tr>
<tr>
<td>EMMISSIONS</td>
<td>26</td>
<td>45</td>
<td>-42.2%</td>
<td>26</td>
<td>0.0%</td>
</tr>
<tr>
<td>ETHANOL</td>
<td>0</td>
<td>26</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>ETHANOL SWAP</td>
<td>380</td>
<td>925</td>
<td>-58.9%</td>
<td>430</td>
<td>-11.6%</td>
</tr>
<tr>
<td>ETHANOL T2 FOB ROTT INCL DU</td>
<td>8,072</td>
<td>6,341</td>
<td>27.3%</td>
<td>7,985</td>
<td>1.1%</td>
</tr>
<tr>
<td>EURO 3.5% FUEL OIL RDM B</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>14</td>
<td>-100.0%</td>
</tr>
<tr>
<td>EURO GASOIL 10 CAL SWAP</td>
<td>0</td>
<td>3</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>EURO GASOIL 10PPM VS ICE</td>
<td>0</td>
<td>270</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>EUROPE 1% FUEL OIL NWE CA</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>EUROPE 3.5% FUEL OIL RDM</td>
<td>256</td>
<td>114</td>
<td>124.6%</td>
<td>374</td>
<td>-31.6%</td>
</tr>
<tr>
<td>EUROPEAN GASOL (ICE)</td>
<td>1,214</td>
<td>1,038</td>
<td>17.0%</td>
<td>1,124</td>
<td>8.0%</td>
</tr>
<tr>
<td>EUROPEAN NAPTHA BALMO</td>
<td>0</td>
<td>3</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>EUROPEAN NAPTHA CRACK SP</td>
<td>4,487</td>
<td>5,682</td>
<td>-21.0%</td>
<td>4,992</td>
<td>-10.1%</td>
</tr>
<tr>
<td>EURO DATE DATED BRENT SW</td>
<td>1,400</td>
<td>0</td>
<td>-</td>
<td>2,250</td>
<td>-37.8%</td>
</tr>
<tr>
<td>EUROPE NAPTHA CALSWAP</td>
<td>953</td>
<td>1,178</td>
<td>-19.1%</td>
<td>1,332</td>
<td>-28.5%</td>
</tr>
<tr>
<td>EURO PROPANE CIF ARA SW</td>
<td>1,490</td>
<td>2,790</td>
<td>-46.6%</td>
<td>1,800</td>
<td>-17.2%</td>
</tr>
<tr>
<td>FREIGHT MARKETS</td>
<td>2,598</td>
<td>429</td>
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<tr>
<td>FUEL OIL CRACK VS ICE</td>
<td>614</td>
<td>30</td>
<td>1,946.7%</td>
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<td>24.3%</td>
</tr>
<tr>
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<tr>
<td>FUEL OIL SWAP:CARGOES VS B</td>
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<tr>
<td>GAS EURO-BOB OXY NWE BARG</td>
<td>1,039</td>
<td>573</td>
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<td>884</td>
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<td>GAS EURO-BOB OXY NWE BARG</td>
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<td>4,210</td>
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<td>5,783</td>
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<td>0</td>
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<td>0</td>
<td>-</td>
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<tr>
<td>GASOIL 0.1 RDAM BRGS VS I</td>
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<tr>
<td>GASOIL 10PPM VS ICE SWARS</td>
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<td>12</td>
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<td>-10.0%</td>
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<td>GASOIL CRACK SPREAD CALEN</td>
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<td>552</td>
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<td>GASOIL MINI CALENDAR SWARS</td>
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<td>441</td>
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<tr>
<td>GRP THREE USLD/PLT/VS HEA</td>
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<td>8,893</td>
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<td>11,086</td>
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<td>GRP THREE USL/USL GS (PLT) VS</td>
<td>9,155</td>
<td>4,045</td>
<td>126.3%</td>
<td>9,160</td>
<td>-0.1%</td>
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</tbody>
</table>

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### Energy Futures

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Open Interest</th>
<th>Open Interest</th>
<th>% CHG</th>
<th>Open Interest</th>
<th>% CHG</th>
</tr>
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<td>GULF COAST 3% FUEL OIL BA</td>
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<td>GULF COAST JET VS NYM 2 H</td>
<td>18,345</td>
<td>14,368</td>
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<td>14.2%</td>
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<td>22,668</td>
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<tr>
<td>GULF COAST ULSD CALENDAR</td>
<td>1,551</td>
<td>1,862</td>
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<tr>
<td>HEATING OIL BALMO CLNDR S</td>
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<tr>
<td>HEATING OIL PHY</td>
<td>362,786</td>
<td>280,370</td>
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<td>311,612</td>
<td>16.4%</td>
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<td>HENRY HUB SWAP</td>
<td>355,799</td>
<td>443,953</td>
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<td>366,526</td>
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<td>HTG OIL</td>
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<td>111</td>
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<tr>
<td>JET CIF NWE VS ICE</td>
<td>204</td>
<td>693</td>
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<tr>
<td>JET FUEL UP-DOWN BALMO CL</td>
<td>4,304</td>
<td>360</td>
<td>1,095.6%</td>
<td>1,973</td>
<td>118.1%</td>
</tr>
<tr>
<td>JET FUEL UP-DOWN BALMO CL</td>
<td>4,304</td>
<td>360</td>
<td>1,095.6%</td>
<td>1,973</td>
<td>118.1%</td>
</tr>
<tr>
<td>ICE BRENT DUBAI SWAP</td>
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<tr>
<td>JAPAN C&amp;F NAPHTHA CRACK S</td>
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<td>458</td>
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<td>0</td>
<td>-</td>
</tr>
<tr>
<td>JAPAN NAPHTHA BALMO SWAP</td>
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<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>JAPAN NAPHTHA BALMO SWAP</td>
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<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>JAPAN NAPHTHA BALMO SWAP</td>
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<td>0</td>
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<td>-</td>
</tr>
<tr>
<td>JET FUEL OP-OPP BALMO CL</td>
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<td>360</td>
<td>1,095.6%</td>
<td>1,973</td>
<td>118.1%</td>
</tr>
<tr>
<td>JKM LNG Futures</td>
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<tr>
<td>LA CARB DIESEL (OPIS) SWA</td>
<td>1,730</td>
<td>1,011</td>
<td>71.1%</td>
<td>1,868</td>
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<tr>
<td>LA CARBOB GASOLINE(OPIS)S</td>
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<td>150</td>
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<td>LA JET (OPIS) SWAP</td>
<td>0</td>
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<td>-</td>
<td>0</td>
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<tr>
<td>LLS (ARGUS) VS WTI SWAP</td>
<td>180</td>
<td>753</td>
<td>-76.1%</td>
<td>200</td>
<td>-10.0%</td>
</tr>
<tr>
<td>LTD NAT GAS</td>
<td>350,738</td>
<td>383,702</td>
<td>-8.6%</td>
<td>363,133</td>
<td>-3.4%</td>
</tr>
<tr>
<td>MARS (ARGUS) VS WTI SWAP</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>MARS (ARGUS) VS WTI TRD M</td>
<td>9,610</td>
<td>11,765</td>
<td>-18.3%</td>
<td>10,130</td>
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<td>MCCLOSKY ARA ARGS COAL</td>
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<tr>
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<td>0</td>
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<td>-</td>
</tr>
<tr>
<td>MINI RBOB V. EBOBARGS NW</td>
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<td>300</td>
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<td>106.7%</td>
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<tr>
<td>MINY NATURAL GAS</td>
<td>13,881</td>
<td>11,281</td>
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<tr>
<td>MINY RBOB GAS</td>
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<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
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<td>MINY WTI CRUDE OIL</td>
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<td>4,966</td>
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<td>2,392</td>
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<tr>
<td>MJC FUT</td>
<td>60</td>
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<td>-</td>
<td>60</td>
<td>0.0%</td>
</tr>
<tr>
<td>MNC FUT</td>
<td>602</td>
<td>2,231</td>
<td>-73.0%</td>
<td>845</td>
<td>-28.8%</td>
</tr>
<tr>
<td>MONT BELVIEU ETHANE 5 DECI</td>
<td>52,384</td>
<td>52,461</td>
<td>-0.1%</td>
<td>49,542</td>
<td>5.7%</td>
</tr>
<tr>
<td>MONT BELVIEU ETHANE OPIS B</td>
<td>125</td>
<td>680</td>
<td>-81.6%</td>
<td>315</td>
<td>-60.3%</td>
</tr>
<tr>
<td>MONT BELVIEU LDH PROPANE 5</td>
<td>160,721</td>
<td>151,242</td>
<td>6.3%</td>
<td>164,235</td>
<td>-2.1%</td>
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<td>MONT BELVIEU LDH PROPANE C</td>
<td>2,023</td>
<td>1,531</td>
<td>32.1%</td>
<td>1,880</td>
<td>7.6%</td>
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<tr>
<td>MONT BELVIEU NATURAL GASO</td>
<td>31,146</td>
<td>32,070</td>
<td>-2.9%</td>
<td>30,171</td>
<td>3.2%</td>
</tr>
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<td>MONT BELVIEU NATURAL GASS</td>
<td>988</td>
<td>1,485</td>
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<td>856</td>
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<tr>
<td>MONT BELVIEU NORMAL BUTAN</td>
<td>56,567</td>
<td>48,030</td>
<td>17.8%</td>
<td>58,185</td>
<td>-2.8%</td>
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<tr>
<td>MONT BELVIEU NATURAL GAS</td>
<td>841</td>
<td>1,112</td>
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<td>858</td>
<td>-2.0%</td>
</tr>
<tr>
<td>MONT BELVIEU NORMAL BUTAN</td>
<td>841</td>
<td>1,112</td>
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<td>858</td>
<td>-2.0%</td>
</tr>
<tr>
<td>NATURAL GAS</td>
<td>215,472</td>
<td>190,726</td>
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<tr>
<td>NATURAL GAS PEN SWP</td>
<td>150,682</td>
<td>141,108</td>
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<td>134,423</td>
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<tr>
<td>NATURAL GAS PHY</td>
<td>1,564,367</td>
<td>1,303,690</td>
<td>20.0%</td>
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<tr>
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<td>-</td>
<td>0</td>
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</tr>
<tr>
<td>NEW ENGLAND HUB PEAK DAIL</td>
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<td>-</td>
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<tr>
<td>NEW YORK ETHANOL SWAP</td>
<td>470</td>
<td>760</td>
<td>-38.2%</td>
<td>603</td>
<td>-22.1%</td>
</tr>
</tbody>
</table>

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### CME Group Exchange Open Interest Report - Monthly

**Energy Futures**

<table>
<thead>
<tr>
<th>Future Description</th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
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<td>NEW YORK HUB ZONE G PEAK</td>
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<tr>
<td>N ILLINOIS HUB DAILY</td>
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<tr>
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<td>NY HARBOR LOW SULPUR GAS</td>
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<td>NY HARBOR RESIDUAL FUEL 1</td>
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<td>16,631</td>
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<td>NY ULSD (ARGUS) VS HEATING</td>
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<td>PETROCHEMICALS</td>
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<td>11,785</td>
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<tr>
<td>PETRO CRCKS &amp; SPRDS ASIA</td>
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<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>PETRO CRCKS &amp; SPRDS NA</td>
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<td>23,806</td>
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<td>23,950</td>
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<td>PETRO CRK&amp;SPRD EURO</td>
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<td>2,039</td>
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<td>11,972</td>
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<td>7,847</td>
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<tr>
<td>PETROLEUM PRODUCTS ASIA</td>
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<td>909</td>
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<td>-4.4%</td>
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<tr>
<td>PETRO OUTRIGHT EURO</td>
<td>13,224</td>
<td>15,425</td>
<td>-14.3%</td>
<td>13,552</td>
<td>-2.4%</td>
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<tr>
<td>PETRO OUTRIGHT NA</td>
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<td>4,502</td>
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<td>3,025</td>
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<td>PJM AD HUB 5MW REAL TIME</td>
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<td>PJM DAILY</td>
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<tr>
<td>PJM NI HUB 5MW REAL TIME</td>
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</tr>
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<tr>
<td>PJM WESTH RT PEAK</td>
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<td>PLASTICS</td>
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<td>-</td>
</tr>
<tr>
<td>PROPANE NON-LDH MB (OPIS) B</td>
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<td>1,004</td>
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<td>1,600</td>
<td>-61.1%</td>
</tr>
<tr>
<td>PROPANE NON-LDH MT. BEL (OF)</td>
<td>44,014</td>
<td>45,033</td>
<td>-2.3%</td>
<td>45,259</td>
<td>-2.8%</td>
</tr>
<tr>
<td>RBOB CALENDAR SWAP</td>
<td>24,241</td>
<td>18,305</td>
<td>32.4%</td>
<td>13,343</td>
<td>81.7%</td>
</tr>
<tr>
<td>RBOB CRACK SPREAD BALMO S</td>
<td>0</td>
<td>100</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>RBOB GAS</td>
<td>66</td>
<td>78</td>
<td>-15.4%</td>
<td>72</td>
<td>-8.3%</td>
</tr>
<tr>
<td>RBOB GASOLINE BALMO CLNDR</td>
<td>435</td>
<td>717</td>
<td>-39.3%</td>
<td>187</td>
<td>132.6%</td>
</tr>
<tr>
<td>RBOB PHY</td>
<td>414,749</td>
<td>293,880</td>
<td>41.1%</td>
<td>395,080</td>
<td>5.0%</td>
</tr>
<tr>
<td>RBOB VS HEATING OIL SWAP</td>
<td>75</td>
<td>255</td>
<td>-70.6%</td>
<td>0</td>
<td>-</td>
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<tr>
<td>SINGAPORE 180CST BALMO</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>SINGAPORE 380CST BALMO</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>SINGAPORE 380CST FUEL OIL</td>
<td>612</td>
<td>395</td>
<td>54.9%</td>
<td>557</td>
<td>9.9%</td>
</tr>
<tr>
<td>SINGAPORE FUEL 180CST CAL</td>
<td>46</td>
<td>3</td>
<td>1,433.3%</td>
<td>43</td>
<td>7.0%</td>
</tr>
<tr>
<td>SINGAPORE FUEL OIL 180 CS</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>SINGAPORE FUEL OIL SPREAD</td>
<td>20</td>
<td>81</td>
<td>-75.3%</td>
<td>20</td>
<td>-</td>
</tr>
<tr>
<td>SINGAPORE GASOIL</td>
<td>436</td>
<td>274</td>
<td>59.1%</td>
<td>360</td>
<td>21.1%</td>
</tr>
<tr>
<td>SINGAPORE GASOIL CALENDAR</td>
<td>192</td>
<td>79</td>
<td>143.0%</td>
<td>213</td>
<td>-9.9%</td>
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<tr>
<td>SINGAPORE GASOIL SWAP</td>
<td>50</td>
<td>900</td>
<td>-94.4%</td>
<td>50</td>
<td>0.0%</td>
</tr>
<tr>
<td>SINGAPORE GASOIL VS ICE</td>
<td>0</td>
<td>1,704</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
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<tr>
<td>SINGAPORE JET KERO GASOIL</td>
<td>0</td>
<td>1,485</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>SINGAPORE JET KEROSENE SW</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>SINGAPORE MOGAS 92 UNLEAD</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>SINGAPORE MOGAS 92 UNLEAD Tc2 ROTTERDAM TO USAC 37K</td>
<td>30</td>
<td>300</td>
<td>-90.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>SINGAPORE MOGAS 92 UNLEAD TCD5 MEG TO JAPAN 250K MT</td>
<td>1,095</td>
<td>1,845</td>
<td>-40.7%</td>
<td>1,150</td>
<td>-4.8%</td>
</tr>
</tbody>
</table>

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# CME Group Exchange Open Interest Report - Monthly

<table>
<thead>
<tr>
<th></th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Energy Futures</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ULSD UP-DOWN BALMO SWP</td>
<td>3,802</td>
<td>5,552</td>
<td>-31.5%</td>
<td>5,847</td>
<td>-35.0%</td>
</tr>
<tr>
<td>UP DOWN GC ULSD VS NMX HO</td>
<td>53,261</td>
<td>43,168</td>
<td>23.4%</td>
<td>49,741</td>
<td>7.1%</td>
</tr>
<tr>
<td>WTI-BRENT BULLET SWAP</td>
<td>252</td>
<td>0</td>
<td>-</td>
<td>252</td>
<td>0.0%</td>
</tr>
<tr>
<td>WTI-BRENT CALENDAR SWAP</td>
<td>144,099</td>
<td>115,093</td>
<td>25.2%</td>
<td>146,328</td>
<td>-1.5%</td>
</tr>
<tr>
<td>WTI CALENDAR</td>
<td>173,697</td>
<td>143,365</td>
<td>21.2%</td>
<td>166,978</td>
<td>4.0%</td>
</tr>
<tr>
<td>WTI MIDLAND CRUDE OIL</td>
<td>2,960</td>
<td>1,100</td>
<td>169.1%</td>
<td>2,240</td>
<td>32.1%</td>
</tr>
<tr>
<td>WTS (ARGUS) VS WTI SWAP</td>
<td>20,534</td>
<td>19,541</td>
<td>5.1%</td>
<td>21,281</td>
<td>-3.5%</td>
</tr>
<tr>
<td>WTS (ARGUS) VS WTI TRD MT</td>
<td>825</td>
<td>2,114</td>
<td>-61.0%</td>
<td>900</td>
<td>-8.3%</td>
</tr>
</tbody>
</table>

| **Energy Options**    |                        |                        |       |                        |       |
| BRENT CALENDAR SWAP   | 1,549                  | 2,349                  | -34.1%| 1,922                  | -19.4%|
| BRENT CRUDE OIL 1 M CSO| 5,800                | 6,300                  | -7.9% | 6,725                  | -13.8%|
| BRENT OIL LAST DAY    | 22,600                 | 43,693                 | -48.3%| 22,660                 | -0.3% |
| COAL API2 INDEX       | 350                    | 190                    | 84.2% | 350                    | 0.0%  |
| CRUDE OIL 1MO         | 177,000                | 183,600                | -3.6% | 146,850                | 20.5% |
| CRUDE OIL APO         | 247,247                | 167,781                | 47.4% | 233,704                | 5.8%  |
| CRUDE OIL OUTRIGHTS   | 0                      | 0                      | 0.0%  | 0                      | 0.0%  |
| CRUDE OIL PHY         | 2,331,870              | 2,462,008              | -5.3% | 2,152,555              | 8.3%  |
| ELEC FINSETTLED       | 0                      | 0                      | -     | 0                      | -     |
| ETHANOL SWAP          | 4,889                  | 4,412                  | 10.8% | 4,023                  | 21.5% |
| FREIGHT MARKETS       | 0                      | 0                      | -     | 0                      | -     |
| HEATING OIL CRK SPD AVG PRI| 0                  | 0                      | -     | 0                      | -     |
| HEATING OIL PHY       | 33,795                 | 14,271                 | 136.8%| 21,008                 | 60.9% |
| HENRY HUB FINANCIAL LAST| 154,319              | 43,062                 | 258.4%| 145,553                | 6.0%  |
| HO 1 MONTH CLNDR OPTIONS | 9,250                | 0                      | 0.0%  | 9,200                  | 0.5%  |
| LLS CRUDE OIL         | 1,750                  | 6,325                  | -72.3%| 2,000                  | -12.5%|
| MCCLOSKY ARA ARGS COAL| 0                      | 0                      | -     | 0                      | -     |
| NATURAL GAS           | 499                    | 109                    | 355.5%| 374                    | 334.4%|
| NATURAL GAS 1 M CSO FIN| 76,075              | 76,200                 | -0.2% | 54,190                 | 40.4% |
| NATURAL GAS 2 M CSO FIN| 8,000                | 0                      | -     | 11,000                 | -27.3%|
| NATURAL GAS 3 M CSO FIN| 222,625             | 152,575                | 45.9% | 190,375                | 16.9% |
| NATURAL GAS 5 M CSO FIN| 0                    | 0                      | -     | 19,050                 | -100.0%|
| NATURAL GAS 6 M CSO FIN| 0                    | 0                      | -     | 0                      | -     |
| NATURAL GAS OPT       | 0                      | 500                    | -100.0%| 0                      | -     |
| NATURAL GAS OPTION ON CALE | 764            | 224                    | 241.1%| 764                    | 0.0%  |
| NATURAL GAS PHY       | 4,102,115             | 3,250,013              | 26.2% | 4,124,141              | -0.5% |
| NY HARBOR HEAT OIL SWP| 25,324                 | 15,886                 | 59.4% | 24,551                 | 3.1%  |
| PETROCHEMICALS        | 1,817                  | 2,915                  | -37.7%| 802                    | 126.6%|
| PETRO OUTRIGHT NA     | 0                      | 90                     | -100.0%| 0                      | -     |
| PJM WES HUB PEAK CAL MTH| 0                    | 0                      | -     | 0                      | -     |
| RBOB 1MO CAL SPD OPTIONS| 600                  | 0                      | -     | 0                      | -     |
| RBOB CALENDAR SWAP    | 40                     | 128                    | -68.8%| 51                     | -21.6%|
| RBOB PHY              | 5,078                  | 5,223                  | -2.8% | 2,088                  | 143.2%|
| SHORT TERM            | 0                      | 0                      | -     | 0                      | -     |
| SHORT TERM NATURAL GAS| 300                    | 0                      | -     | 0                      | -     |
| WTI-BRENT BULLET SWAP | 122,025                | 103,700                | 17.7% | 131,375                | -7.1% |
| WTI CRUDE OIL 1 M CSO FI| 252,960              | 254,085                | -0.4% | 214,880                | 17.7% |

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<table>
<thead>
<tr>
<th>Currency</th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FX Futures</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AD/CD CROSS RATES</td>
<td>0</td>
<td>21</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>AD/JY CROSS RATES</td>
<td>1,346</td>
<td>596</td>
<td>125.8%</td>
<td>1,506</td>
<td>-10.6%</td>
</tr>
<tr>
<td>AD/NE CROSS RATES</td>
<td>9,404</td>
<td>1,112</td>
<td>745.7%</td>
<td>5,926</td>
<td>58.7%</td>
</tr>
<tr>
<td>AUSTRALIAN DOLLAR</td>
<td>224,573</td>
<td>183,445</td>
<td>22.4%</td>
<td>220,649</td>
<td>1.8%</td>
</tr>
<tr>
<td>BP/JY CROSS RATES</td>
<td>3,185</td>
<td>1,973</td>
<td>61.4%</td>
<td>3,064</td>
<td>3.9%</td>
</tr>
<tr>
<td>BP/SF CROSS RATES</td>
<td>5,792</td>
<td>1,151</td>
<td>403.2%</td>
<td>5,691</td>
<td>1.8%</td>
</tr>
<tr>
<td>BRAZIL REAL</td>
<td>100,604</td>
<td>81,368</td>
<td>23.6%</td>
<td>65,356</td>
<td>53.9%</td>
</tr>
<tr>
<td>BRITISH POUND</td>
<td>235,610</td>
<td>241,606</td>
<td>-2.5%</td>
<td>211,611</td>
<td>11.3%</td>
</tr>
<tr>
<td>CANADIAN DOLLAR</td>
<td>211,555</td>
<td>165,152</td>
<td>28.1%</td>
<td>193,387</td>
<td>9.4%</td>
</tr>
<tr>
<td>CD/JY CROSS RATES</td>
<td>130</td>
<td>0</td>
<td>-</td>
<td>37</td>
<td>251.4%</td>
</tr>
<tr>
<td>CHINESE RENMINBI (CNH)</td>
<td>6,776</td>
<td>3,403</td>
<td>99.1%</td>
<td>5,646</td>
<td>20.0%</td>
</tr>
<tr>
<td>CZECK KORUNA (EC)</td>
<td>1</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>CZECK KORUNA (US)</td>
<td>36</td>
<td>4</td>
<td>800.0%</td>
<td>83</td>
<td>-56.6%</td>
</tr>
<tr>
<td>EC/AD CROSS RATES</td>
<td>1,511</td>
<td>3,944</td>
<td>-61.7%</td>
<td>1,581</td>
<td>-4.4%</td>
</tr>
<tr>
<td>EC/CD CROSS RATES</td>
<td>4,056</td>
<td>4,745</td>
<td>-14.5%</td>
<td>4,036</td>
<td>0.5%</td>
</tr>
<tr>
<td>EC/NOK CROSS RATES</td>
<td>2,478</td>
<td>2,617</td>
<td>-5.3%</td>
<td>1,084</td>
<td>128.6%</td>
</tr>
<tr>
<td>EC/SEK CROSS RATES</td>
<td>795</td>
<td>5,412</td>
<td>-85.3%</td>
<td>838</td>
<td>-5.1%</td>
</tr>
<tr>
<td>EFX/BP CROSS RATES</td>
<td>30,880</td>
<td>29,898</td>
<td>3.3%</td>
<td>30,973</td>
<td>-0.3%</td>
</tr>
<tr>
<td>EFX/JY CROSS RATES</td>
<td>22,074</td>
<td>21,671</td>
<td>1.9%</td>
<td>23,135</td>
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</tr>
<tr>
<td>EFX/SF CROSS RATES</td>
<td>22,290</td>
<td>14,843</td>
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<td>23,611</td>
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<td>E-MICRO USD/CAD</td>
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<td>67</td>
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<tr>
<td>E-MICRO USD/CHF</td>
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<td>107</td>
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<tr>
<td>E-MICRO USD/JPY</td>
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<td>158</td>
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<tr>
<td>E-MINI EURO FX</td>
<td>8,123</td>
<td>9,586</td>
<td>-15.3%</td>
<td>7,591</td>
<td>7.0%</td>
</tr>
<tr>
<td>E-MINI JAPANESE YEN</td>
<td>2,572</td>
<td>964</td>
<td>166.8%</td>
<td>1,903</td>
<td>35.2%</td>
</tr>
<tr>
<td>EURO FX</td>
<td>652,297</td>
<td>778,739</td>
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<td>665,700</td>
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</tr>
<tr>
<td>HUNGARIAN FORINT (EC)</td>
<td>18</td>
<td>3</td>
<td>500.0%</td>
<td>4</td>
<td>350.0%</td>
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<tr>
<td>HUNGARIAN FORINT (US)</td>
<td>48</td>
<td>1</td>
<td>4,700.0%</td>
<td>24</td>
<td>100.0%</td>
</tr>
<tr>
<td>INDIAN RUPEE</td>
<td>1,084</td>
<td>3,802</td>
<td>-71.5%</td>
<td>1,599</td>
<td>-32.2%</td>
</tr>
<tr>
<td>JAPANESE YEN</td>
<td>334,848</td>
<td>198,780</td>
<td>68.5%</td>
<td>304,875</td>
<td>9.8%</td>
</tr>
<tr>
<td>KOREAN WON</td>
<td>2,322</td>
<td>3,652</td>
<td>-36.4%</td>
<td>2,344</td>
<td>-0.9%</td>
</tr>
<tr>
<td>MEXICAN PESO</td>
<td>249,126</td>
<td>268,651</td>
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<td>308,999</td>
<td>-19.4%</td>
</tr>
<tr>
<td>MICRO AUD/USD</td>
<td>5,726</td>
<td>9,155</td>
<td>-37.5%</td>
<td>4,666</td>
<td>22.7%</td>
</tr>
<tr>
<td>MICRO CAD/USD</td>
<td>3,588</td>
<td>4,697</td>
<td>-23.6%</td>
<td>2,844</td>
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<tr>
<td>MICRO CHF/USD</td>
<td>2,702</td>
<td>1,581</td>
<td>70.9%</td>
<td>1,671</td>
<td>61.7%</td>
</tr>
<tr>
<td>MICRO EUR/USD</td>
<td>15,317</td>
<td>14,675</td>
<td>4.4%</td>
<td>14,528</td>
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</tr>
<tr>
<td>MICRO GBP/USD</td>
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<td>4,172</td>
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<td>42.8%</td>
</tr>
<tr>
<td>MICRO INR/USD</td>
<td>4</td>
<td>6</td>
<td>-33.3%</td>
<td>5</td>
<td>-20.0%</td>
</tr>
<tr>
<td>MICRO JPY/USD</td>
<td>283</td>
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<td>-</td>
<td>198</td>
<td>42.9%</td>
</tr>
<tr>
<td>MICRO USD/CNH</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>NEW ZEALND DOLLAR</td>
<td>58,811</td>
<td>37,715</td>
<td>55.9%</td>
<td>58,472</td>
<td>0.6%</td>
</tr>
<tr>
<td>NKR/USD CROSS RATE</td>
<td>2,510</td>
<td>2,013</td>
<td>24.7%</td>
<td>2,627</td>
<td>-4.5%</td>
</tr>
<tr>
<td>POLISH ZLOTY (EC)</td>
<td>73</td>
<td>96</td>
<td>-24.0%</td>
<td>58</td>
<td>25.9%</td>
</tr>
<tr>
<td>POLISH ZLOTY (US)</td>
<td>1,659</td>
<td>740</td>
<td>124.2%</td>
<td>1,779</td>
<td>-6.7%</td>
</tr>
<tr>
<td>RMB USD</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>RUSSIAN RUBLE</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>S.AFRICAN RAND</td>
<td>34,692</td>
<td>32,537</td>
<td>6.6%</td>
<td>21,977</td>
<td>57.9%</td>
</tr>
<tr>
<td>SF/JY CROSS RATES</td>
<td>1,540</td>
<td>1,090</td>
<td>41.3%</td>
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<tr>
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<td>11</td>
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<td>-45.8%</td>
</tr>
</tbody>
</table>

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## CME Group Exchange Open Interest Report - Monthly

### FX Futures

<table>
<thead>
<tr>
<th>Currency</th>
<th>APR 2024</th>
<th>APR 2023</th>
<th>% CHG</th>
<th>MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
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### FX Options

#### AUD/USD Options

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<th>Type</th>
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<th>APR 2023</th>
<th>% CHG</th>
<th>MAR 2024</th>
<th>% CHG</th>
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<tbody>
<tr>
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<td>0</td>
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<tr>
<td>Thursday Wkly Opt</td>
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<td>0.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Thursday Wkly Opt</td>
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<td>-</td>
<td>0</td>
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</tr>
<tr>
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<td>-</td>
</tr>
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<td>Thursday Wkly Opt</td>
<td>0</td>
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<td>0.0%</td>
<td>0</td>
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</tr>
<tr>
<td>Thursday Wkly Opt</td>
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<td>-</td>
<td>0</td>
<td>0.0%</td>
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<tr>
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<td>0</td>
<td>-</td>
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<td>-</td>
</tr>
</tbody>
</table>

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## CME Group Exchange Open Interest Report - Monthly

<table>
<thead>
<tr>
<th>FX Options</th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAD/USD WKLY FRIDAY OPTION</td>
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<td>-</td>
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<tr>
<td>GBP/USD MONDAY OPTION WEE</td>
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<td>88,111</td>
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<td>97,689</td>
<td>34.6%</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>FX Options</th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>GBP/USD THURSDAY WKLY OPT</td>
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<td>400</td>
<td>-47.3%</td>
<td>275</td>
<td>-23.3%</td>
</tr>
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<td>GBP/USD THURSDAY WKLY OPT</td>
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<td>0</td>
<td>-</td>
<td>0</td>
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</tr>
<tr>
<td>GBP/USD THURSDAY WKLY OPT</td>
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<td>0</td>
<td>-</td>
<td>0</td>
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<tr>
<td>GBP/USD THURSDAY WKLY OPT</td>
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<tr>
<td>GBP/USD THURSDAY WKLY OPT</td>
<td>0</td>
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<td>GBP/USD TUESDAY WKLY OPT</td>
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<tr>
<td>GBP/USD TUESDAY WKLY OPT</td>
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</tr>
<tr>
<td>GBP/USD TUESDAY WKLY OPT</td>
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<td>509</td>
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<td>1,701</td>
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<td>329</td>
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<tr>
<td>JPY/USD MONDAY OPTION WEE</td>
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<td>JPY/USD THURSDAY WKLY OPT</td>
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<tr>
<td>JPY/USD TUESDAY WKLY OPT W</td>
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<td>10</td>
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<td>-</td>
</tr>
<tr>
<td>JPY/USD TUESDAY WKLY OPT W</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
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</tr>
<tr>
<td>JPY/USD TUESDAY WKLY OPT W</td>
<td>0</td>
<td>0</td>
<td>-</td>
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</tr>
<tr>
<td>JPY/USD FRIDAY OPTION</td>
<td>0</td>
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<tr>
<td>JPY/USD FRIDAY OPTION</td>
<td>5,475</td>
<td>1,555</td>
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<td>629</td>
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<td>2,752</td>
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<td>836</td>
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<td>178.4%</td>
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<td>870</td>
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<td>1,600.0%</td>
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<td>JPY/USD WED OPTIONS</td>
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<td>0</td>
<td>-</td>
<td>0</td>
<td>0.0%</td>
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<tr>
<td>JPY/USD WED OPTIONS</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
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<tr>
<td>MXXN/USD MONTHLY OPTIONS</td>
<td>12,076</td>
<td>385</td>
<td>3,036.6%</td>
<td>2,590</td>
<td>366.3%</td>
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<td>0</td>
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<td>0</td>
<td>-</td>
</tr>
<tr>
<td>MXXN/USD FRIDAY OPTION</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>MXXN/USD FRIDAY OPTION</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
</tbody>
</table>

*** Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken form source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.
CME Group Exchange Open Interest Report - Monthly

<table>
<thead>
<tr>
<th>FX Options</th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>MXN/USD WKLY FRIDAY OPTION</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>MXN/USD WKLY FRIDAY OPTION</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>NZD/USD MONTHLY OPTIONS</td>
<td>1</td>
<td>529</td>
<td>-99.8%</td>
<td>155</td>
<td>-99.4%</td>
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<tr>
<td>NZD/USD WKLY FRIDAY OPTION</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>USD/CNH MONTHLY OPTIONS</td>
<td>885</td>
<td>0</td>
<td>-</td>
<td>820</td>
<td>7.9%</td>
</tr>
<tr>
<td>USD/CNH WEEKLY FRIDAY OPTI</td>
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<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
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<tr>
<td>ZAR/USD MONTHLY OPTIONS</td>
<td>1</td>
<td>0</td>
<td>-</td>
<td>1</td>
<td>0.0%</td>
</tr>
</tbody>
</table>

*** Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken form source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.
## CME Group Exchange Open Interest Report - Monthly

### Ag Products Futures

<table>
<thead>
<tr>
<th>Product</th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLOCK CHEESE</td>
<td>2,909</td>
<td>813</td>
<td>257.8%</td>
<td>3,165</td>
<td>-8.1%</td>
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<td>BUTTER CS</td>
<td>9,552</td>
<td>9,943</td>
<td>-3.9%</td>
<td>9,953</td>
<td>-4.0%</td>
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<tr>
<td>CASH-SETTLED CHEESE</td>
<td>20,178</td>
<td>24,355</td>
<td>-17.2%</td>
<td>20,911</td>
<td>-3.5%</td>
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<td>CAT EURO SEASONAL STRIP</td>
<td>500</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>CATTLE</td>
<td>275,985</td>
<td>351,260</td>
<td>-21.4%</td>
<td>305,623</td>
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<td>CDD SEASONAL STRIP</td>
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<td>3,700</td>
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<td>150</td>
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<td>CDD WEATHER</td>
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<tr>
<td>CHI WHEAT</td>
<td>362,572</td>
<td>365,418</td>
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<td>404,561</td>
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<td>10,881</td>
<td>5,142</td>
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<td>9,667</td>
<td>12.6%</td>
</tr>
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<td>CORN</td>
<td>1,417,715</td>
<td>1,207,234</td>
<td>17.4%</td>
<td>1,632,013</td>
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<td>DJ_UBS ROLL SELECT INDEX FU</td>
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<td>12,559</td>
<td>-15.0%</td>
<td>8,969</td>
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<td>DOW-UBS COMMOD INDEX</td>
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<td>55,269</td>
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<td>93,164</td>
<td>6.4%</td>
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<td>107,730</td>
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<td>DRY WHEY</td>
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<td>3,347</td>
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<td>FEEDER CATTLE</td>
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<td>3,437</td>
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<td>GOLDMAN SACHS</td>
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<td>HDD SEASONAL STRIP</td>
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<td>HDD WEATHER</td>
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<td>MINI CORN</td>
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<td>6,317</td>
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<td>7,576</td>
<td>-5.9%</td>
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<td>MINI SOYBEAN</td>
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<td>481</td>
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<td>7,187</td>
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<td>9,775</td>
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<tr>
<td>SOYBEAN</td>
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<td>602,366</td>
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<tr>
<td>SOYBEAN MEAL</td>
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<td>424,818</td>
<td>4.0%</td>
<td>469,121</td>
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<tr>
<td>SOYBEAN OIL</td>
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<td>468,775</td>
<td>17.5%</td>
<td>574,725</td>
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<tr>
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<td>0.7%</td>
</tr>
<tr>
<td>WHEAT</td>
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<td>1,600</td>
<td>-31.3%</td>
<td>600</td>
<td>83.3%</td>
</tr>
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### Ag Products Options

<table>
<thead>
<tr>
<th>Product</th>
<th>Open Interest AUG-DEC</th>
<th>Open Interest AUG-NOV</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
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<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>AUG-NOV SOYBEAN CAL SPRD</td>
<td>300</td>
<td>0</td>
<td>-</td>
<td>600</td>
<td>-50.0%</td>
</tr>
</tbody>
</table>

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## CME Group Exchange Open Interest Report - Monthly

<table>
<thead>
<tr>
<th>Ag Products Options</th>
<th>Open Interest APR 2024</th>
<th>Open Interest APR 2023</th>
<th>% CHG</th>
<th>Open Interest MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLOCK CHEESE</td>
<td>4,064</td>
<td>709</td>
<td>473.2%</td>
<td>4,370</td>
<td>-7.0%</td>
</tr>
<tr>
<td>BUTTER CS</td>
<td>13,004</td>
<td>7,004</td>
<td>85.7%</td>
<td>12,281</td>
<td>5.9%</td>
</tr>
<tr>
<td>CASH-SETTLED CHEESE</td>
<td>22,818</td>
<td>26,265</td>
<td>-13.1%</td>
<td>24,455</td>
<td>-6.7%</td>
</tr>
<tr>
<td>CAT EURO SEASONAL STRIP</td>
<td>1,000</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>CATTLE</td>
<td>335,478</td>
<td>261,774</td>
<td>28.2%</td>
<td>364,132</td>
<td>-7.9%</td>
</tr>
<tr>
<td>CDD SEASONAL STRIP</td>
<td>42,500</td>
<td>40,500</td>
<td>4.9%</td>
<td>25,000</td>
<td>14.0%</td>
</tr>
<tr>
<td>CDD WEATHER</td>
<td>28,500</td>
<td>59,000</td>
<td>-51.7%</td>
<td>20,798</td>
<td>2.3%</td>
</tr>
<tr>
<td>CHI WHEAT</td>
<td>1,000</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>CORN</td>
<td>1,226,126</td>
<td>1,232,137</td>
<td>-0.5%</td>
<td>1,355,614</td>
<td>-9.6%</td>
</tr>
<tr>
<td>CORN NEARBY+2 CAL SPRD</td>
<td>5,963</td>
<td>44,922</td>
<td>-86.7%</td>
<td>6,499</td>
<td>-8.2%</td>
</tr>
<tr>
<td>DEC-DEC CORN CAL SPRD</td>
<td>8,000</td>
<td>400</td>
<td>1,900.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>DEC-JUL SOYBEAN MEAL CSO</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>DEC-JULY CORN CAL SPRD</td>
<td>3,245</td>
<td>3,995</td>
<td>-18.8%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>DEC-JULY WHEAT CAL SPRD</td>
<td>0</td>
<td>160</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>DRY WHEY</td>
<td>2,388</td>
<td>674</td>
<td>254.3%</td>
<td>2,622</td>
<td>-8.9%</td>
</tr>
<tr>
<td>FEEDER CATTLE</td>
<td>69,861</td>
<td>58,153</td>
<td>20.1%</td>
<td>94,367</td>
<td>-26.0%</td>
</tr>
<tr>
<td>FERTILIZER PRODCS</td>
<td>75</td>
<td>0</td>
<td>-</td>
<td>15</td>
<td>400.0%</td>
</tr>
<tr>
<td>HDD EURO SEASONAL STRIP</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>28,000</td>
<td>-100.0%</td>
</tr>
<tr>
<td>HDD SEASONAL STRIP</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>49,244</td>
<td>-100.0%</td>
</tr>
<tr>
<td>HDD WEATHER</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>2,500</td>
<td>-100.0%</td>
</tr>
<tr>
<td>HDD WEATHER EUROPE</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>HOGS</td>
<td>364,919</td>
<td>257,937</td>
<td>41.5%</td>
<td>404,212</td>
<td>-9.7%</td>
</tr>
<tr>
<td>JAN-MAY SOYBEAN CAL SPRD</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>JULY-DEC CORN CAL SPRD</td>
<td>14,529</td>
<td>24,462</td>
<td>-40.6%</td>
<td>13,629</td>
<td>6.6%</td>
</tr>
<tr>
<td>JULY-DEC SOYBEAN MEAL CAL SPRD</td>
<td>0</td>
<td>770</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>JULY-DEC SOY OIL CAL SPRD</td>
<td>1,500</td>
<td>2,210</td>
<td>-32.1%</td>
<td>1,500</td>
<td>0.0%</td>
</tr>
<tr>
<td>JULY-DEC WHEAT CAL SPRD</td>
<td>670</td>
<td>0</td>
<td>-</td>
<td>670</td>
<td>0.0%</td>
</tr>
<tr>
<td>JULY-JULY WHEAT CAL SPRD</td>
<td>0</td>
<td>10</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>JULY-JULY SOYBEAN CAL SPRD</td>
<td>17,046</td>
<td>24,048</td>
<td>-29.1%</td>
<td>18,176</td>
<td>-6.2%</td>
</tr>
<tr>
<td>KC WHEAT</td>
<td>115,101</td>
<td>45,542</td>
<td>152.7%</td>
<td>92,651</td>
<td>24.2%</td>
</tr>
<tr>
<td>LUMBER</td>
<td>476</td>
<td>21</td>
<td>2,166.7%</td>
<td>306</td>
<td>55.6%</td>
</tr>
<tr>
<td>LV CATL CSO</td>
<td>0</td>
<td>30</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>MAR-JULY CORN CAL SPRD</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>MAR-JULY SOYBEAN CAL SPRD</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>MAR-JULY WHEAT CAL SPRD</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>MILK</td>
<td>81,705</td>
<td>93,095</td>
<td>-12.2%</td>
<td>82,119</td>
<td>-0.5%</td>
</tr>
<tr>
<td>MLK MID OPTIONS</td>
<td>13</td>
<td>9</td>
<td>44.4%</td>
<td>12</td>
<td>8.3%</td>
</tr>
<tr>
<td>NFO MILK</td>
<td>14,358</td>
<td>12,912</td>
<td>11.2%</td>
<td>16,613</td>
<td>-13.8%</td>
</tr>
<tr>
<td>NOV-JULY SOYBEAN CAL SPRD</td>
<td>850</td>
<td>0</td>
<td>-</td>
<td>750</td>
<td>13.3%</td>
</tr>
<tr>
<td>NOV-MAR SOYBEAN CSO</td>
<td>5,800</td>
<td>15</td>
<td>38,566.7%</td>
<td>330</td>
<td>1,657.6%</td>
</tr>
<tr>
<td>OATS</td>
<td>309</td>
<td>217</td>
<td>42.4%</td>
<td>525</td>
<td>-41.1%</td>
</tr>
<tr>
<td>PACIFIC RIM DAT SS WTHR</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>PORK CUTOUT</td>
<td>0</td>
<td>0</td>
<td>-100.0%</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>ROUGH RICE</td>
<td>2,260</td>
<td>1,397</td>
<td>61.8%</td>
<td>2,125</td>
<td>6.4%</td>
</tr>
<tr>
<td>SEP-DEC SOYBEAN MEAL CSO</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>SOYBEAN</td>
<td>641,247</td>
<td>511,595</td>
<td>25.3%</td>
<td>775,364</td>
<td>-17.3%</td>
</tr>
<tr>
<td>SOYBEAN CRUSH</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>SOYBEAN MEAL</td>
<td>205,673</td>
<td>156,573</td>
<td>31.4%</td>
<td>237,251</td>
<td>-13.3%</td>
</tr>
<tr>
<td>SOYBEAN OIL</td>
<td>134,202</td>
<td>123,560</td>
<td>8.6%</td>
<td>153,400</td>
<td>-12.5%</td>
</tr>
</tbody>
</table>

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## CME Group Exchange Open Interest Report - Monthly

### Ag Products Options

<table>
<thead>
<tr>
<th></th>
<th>APR 2024</th>
<th>APR 2023</th>
<th>% CHG</th>
<th>MAR 2024</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOYBN NEARBY+2 CAL SPRD</td>
<td>1,136</td>
<td>1,489</td>
<td>-23.7%</td>
<td>7,433</td>
<td>-84.7%</td>
</tr>
<tr>
<td>SOYMEAL NEARBY+2 CAL SPRD</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>SOY OIL NEARBY+2 CAL SPRD</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>5,075</td>
<td>-100.0%</td>
</tr>
<tr>
<td>WHEAT</td>
<td>3,221</td>
<td>619</td>
<td>420.4%</td>
<td>4</td>
<td>80,425.0%</td>
</tr>
<tr>
<td>WHEAT-CORN ICSO</td>
<td>0</td>
<td>200</td>
<td>-100.0%</td>
<td>240</td>
<td>-100.0%</td>
</tr>
<tr>
<td>WHEAT NEARBY+2 CAL SPRD</td>
<td>1,545</td>
<td>483</td>
<td>219.9%</td>
<td>11,160</td>
<td>-86.2%</td>
</tr>
</tbody>
</table>

**TOTAL FUTURES GROUP**

<table>
<thead>
<tr>
<th></th>
<th>Open Interest</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interest Rate Futures</td>
<td>33,191,739</td>
<td>12.9%</td>
</tr>
<tr>
<td>Equity Index Futures</td>
<td>4,505,399</td>
<td>-3.5%</td>
</tr>
<tr>
<td>Metals Futures</td>
<td>1,284,110</td>
<td>20.0%</td>
</tr>
<tr>
<td>Energy Futures</td>
<td>7,095,040</td>
<td>7.7%</td>
</tr>
<tr>
<td>FX Futures</td>
<td>2,365,597</td>
<td>8.5%</td>
</tr>
<tr>
<td>Ag Products Futures</td>
<td>4,797,959</td>
<td>10.5%</td>
</tr>
<tr>
<td>TOTAL FUTURES</td>
<td>53,239,844</td>
<td>10.3%</td>
</tr>
</tbody>
</table>

**TOTAL OPTIONS GROUP**

<table>
<thead>
<tr>
<th></th>
<th>Open Interest</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interest Rate Options</td>
<td>41,100,879</td>
<td>-10.9%</td>
</tr>
<tr>
<td>Equity Index Options</td>
<td>6,830,238</td>
<td>28.1%</td>
</tr>
<tr>
<td>Metals Options</td>
<td>1,519,106</td>
<td>32.9%</td>
</tr>
<tr>
<td>Energy Options</td>
<td>7,808,641</td>
<td>14.9%</td>
</tr>
<tr>
<td>FX Options</td>
<td>774,164</td>
<td>3.8%</td>
</tr>
<tr>
<td>Ag Products Options</td>
<td>3,619,876</td>
<td>10.5%</td>
</tr>
<tr>
<td>TOTAL OPTIONS</td>
<td>61,652,904</td>
<td>-2.8%</td>
</tr>
</tbody>
</table>

**TOTAL COMBINED**

<table>
<thead>
<tr>
<th></th>
<th>Open Interest</th>
<th>% CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interest Rate</td>
<td>74,292,618</td>
<td>-1.6%</td>
</tr>
<tr>
<td>Equity Index</td>
<td>11,335,637</td>
<td>13.4%</td>
</tr>
<tr>
<td>Metals</td>
<td>2,803,216</td>
<td>26.7%</td>
</tr>
<tr>
<td>Energy</td>
<td>14,903,681</td>
<td>11.3%</td>
</tr>
<tr>
<td>FX</td>
<td>3,139,761</td>
<td>7.3%</td>
</tr>
<tr>
<td>Ag Products</td>
<td>8,417,835</td>
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</tr>
<tr>
<td>GRAND TOTAL</td>
<td>114,892,748</td>
<td>2.9%</td>
</tr>
</tbody>
</table>

---

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