

Index Monthly Performance Report

November 30, 2022

| November's Top Performing Index | 1-Mth | 3-Mth | 6-Mth | 1-YR | 3-YR | 5-YR | 10-YR | Volatility |
|---------------------------------|-------|-------|-------|--------|-------|-------|--------|------------|
| NASDAQ OMX Wind (GRNWIND) | 21.7% | -1.9% | -3.2% | -21.1% | 13.9% | 53.7% | 419.7% | 36.8% |

| November's Worst Performing Index | 1-Mth | 3-Mth | 6-Mth | 1-YR | 3-YR | 5-YR | 10-YR | Volatility |
|-----------------------------------|--------|--------|--------|--------|------|------|-------|------------|
| NASDAQ Etheruem Index (NQETHS) | -18.1% | -16.8% | -33.4% | -72.4% | -- | -- | -- | 82.9% |

Nasdaq Featured Indexes

| Index | BBG Ticker | Name | 1-Mth | 3-Mth | 6-Mth | 1-YR | 3-YR | 5-YR | 10-YR | Volatility |
|--------|------------|-----------------------------------|-------|-------|--------|--------|-------|-------|--------|------------|
| NDX | NDX | NASDAQ-100 | 5.5% | -2.0% | -4.8% | -25.4% | 43.2% | 89.0% | 349.2% | 31.9% |
| NDXE | NDXE | NASDAQ-100 Equal Weighted | 7.2% | 3.1% | 0.1% | -17.4% | 33.6% | 66.0% | 276.4% | 29.9% |
| NDXT | NDXT | NASDAQ-100 Technology Sector | 7.4% | -4.3% | -11.2% | -33.8% | 20.5% | 58.5% | 362.2% | 40.8% |
| NDXX | NDXM | NASDAQ-100 Ex-Tech Sector | 7.0% | 8.3% | 8.3% | -4.4% | 42.8% | 70.7% | 236.8% | 24.0% |
| NDXDWA | NDXDWA | NASDAQ-100 Dorsey Wright Momentum | 6.9% | 2.2% | -1.5% | -23.6% | 39.0% | 59.9% | 349.0% | 30.1% |
| NXTQ | NXTQ | NASDAQ Q-50 | 5.5% | 2.3% | -1.3% | -26.1% | 20.4% | 40.5% | 221.9% | 32.1% |
| NGX | NGX | NASDAQ Next Generation 100 | 7.7% | 2.2% | -0.8% | -24.9% | 15.9% | 38.3% | 230.3% | 32.4% |
| NCX | NCX | NASDAQ Innovators Completion Cap | 3.0% | -2.6% | 10.7% | -24.4% | 31.0% | 40.5% | 280.2% | 37.5% |
| COMP | CCMP | NASDAQ Composite | 4.4% | -2.9% | -5.1% | -26.2% | 32.3% | 66.8% | 281.0% | 31.3% |
| XAU | XAU | PHLX Gold/Silver Sector | 16.9% | 23.1% | -6.2% | -7.3% | 26.4% | 52.0% | -29.1% | 39.1% |
| BKX | BKX | KBW Nasdaq Bank Index | 4.6% | 2.9% | -6.6% | -16.9% | -0.8% | 4.1% | 124.2% | 30.0% |

Nasdaq Global Indexes

| Index | BBG Ticker | Name | 1-Mth | 3-Mth | 6-Mth | 1-YR | 3-YR | 5-YR | 10-YR | Volatility |
|-----------|------------|----------------------------|-------|-------|-------|--------|-------|-------|--------|------------|
| NQGI | NQGI | NASDAQ Global | 7.4% | 2.7% | -3.5% | -13.2% | 14.3% | 22.2% | 88.2% | 19.3% |
| NQDM | NQDM | NASDAQ Developed Markets | 6.7% | 3.2% | -3.0% | -13.0% | 16.7% | 26.0% | 101.9% | 20.2% |
| NQEM | NQEM | NASDAQ Emerging Markets | 15.0% | -1.4% | -8.7% | -16.1% | -6.8% | -9.6% | 2.7% | 20.6% |
| NQDMXUS | NQDMXUS | NASDAQ DM Ex United States | 10.5% | 4.3% | -5.9% | -13.3% | -0.4% | -3.7% | 27.0% | 18.9% |
| NQASPAXJP | NQASPAXJ | NASDAQ ASPA Ex Japan | 16.1% | -1.6% | -8.9% | -16.0% | -0.6% | -5.9% | 14.3% | 20.3% |
| NQEU | NQEUR | NASDAQ Europe | 11.3% | 8.3% | -5.0% | -14.0% | -1.0% | -4.5% | 22.4% | 24.7% |
| NQUSL | NQUSL | NASDAQ US Large Cap | 5.1% | 2.6% | -1.5% | -12.9% | 29.1% | 53.9% | 185.7% | 24.3% |
| NQUSM | NQUSM | NASDAQ US Mid Cap | 5.2% | 3.0% | -1.4% | -10.3% | 19.1% | 32.4% | 157.1% | 26.2% |
| NQUSS | NQUSS | NASDAQ US Small Cap | 2.5% | 1.7% | -0.1% | -15.3% | 20.6% | 26.0% | 142.9% | 28.0% |

Nasdaq OMX Nordic Indexes

| Index | BBG Ticker | Name | 1-Mth | 3-Mth | 6-Mth | 1-YR | 3-YR | 5-YR | 10-YR | Volatility |
|----------|------------|-----------------------|-------|-------|-------|--------|-------|-------|--------|------------|
| OMXS30 | OMXS30 | OMX Stockholm 30 | 6.8% | 9.5% | 2.9% | -6.2% | 21.5% | 30.6% | 93.6% | 21.2% |
| OMXH25 | HEX25 | OMX Helsinki 25 | 6.9% | 4.8% | 1.4% | -7.1% | 21.3% | 25.8% | 129.6% | 22.4% |
| OMXC25 | OMXC25 | OMX Copenhagen 25 | 7.1% | 2.1% | 0.3% | -10.4% | 38.4% | 49.3% | 225.2% | 24.1% |
| OMXN40 | OMXN40 | OMX Nordic 40 | 7.1% | 6.0% | 3.2% | -5.0% | 33.2% | 39.9% | 110.7% | 22.2% |
| NOMXN120 | NOMXN120 | NASDAQ OMX Nordic 120 | 6.7% | 3.9% | -0.9% | -9.8% | 30.1% | 37.7% | 109.6% | 22.2% |

Nasdaq Thematic / Tech Indexes

| Index | BBG Ticker | Name | 1-Mth | 3-Mth | 6-Mth | 1-YR | 3-YR | 5-YR | 10-YR | Volatility |
|----------|------------|---|-------|--------|--------|--------|--------|--------|--------|------------|
| NBI | NBI | NASDAQ Biotechnology | 5.9% | 12.5% | 17.1% | -9.3% | 15.7% | 31.3% | 200.4% | 29.0% |
| NBIJR | NBIJR | Nasdaq Junior Biotechnology | -0.6% | -3.3% | 23.0% | -27.2% | -13.3% | 12.9% | 187.0% | 44.9% |
| NQHICIN | NQHICIN | Nasdaq US Health Care Innovators | 0.3% | -3.8% | 11.1% | -27.3% | -5.4% | 15.8% | 174.0% | 42.3% |
| NQHTEC | NQHTEC | Nasdaq Lux Health Tech | 5.3% | 8.9% | 8.5% | -34.5% | 14.0% | 114.5% | -- | 40.9% |
| QNET | QNET | NASDAQ Internet | 6.2% | -5.4% | -7.9% | -46.0% | -10.7% | 9.2% | 214.8% | 42.0% |
| SOX | SOX | PHLX Semiconductor | 18.6% | 5.6% | -8.8% | -26.3% | 64.7% | 122.1% | 655.1% | 42.9% |
| NQSSSE | NQSSSE | Nasdaq US Smart Semiconductor | 16.9% | 4.9% | -8.2% | -24.6% | 52.9% | 91.8% | 596.3% | 42.4% |
| NQINTEL | NQINTEL | Nasdaq CTA Artificial Intelligence | 6.1% | -3.5% | -15.9% | -34.7% | 33.6% | 56.9% | 328.9% | 31.5% |
| NQROBO | NQROBO | Nasdaq CTA Artificial Intelligence & Robotics | 5.4% | -1.4% | -8.8% | -30.1% | 13.2% | 31.8% | 235.7% | 29.2% |
| HXR | HXR | ISE Cyber Security | -1.2% | -4.6% | -8.8% | -23.1% | 10.8% | 63.0% | 269.7% | 28.7% |
| HUR | HUR | ISE Cyber Security UCITS | -2.7% | -7.1% | -7.9% | -23.8% | 16.8% | 68.9% | 263.0% | 32.2% |
| NQCYBR | NQCYBR | Nasdaq CTA Cybersecurity | -2.3% | -5.3% | -4.8% | -21.3% | 37.0% | 84.7% | 263.1% | 32.3% |
| CPQ | CPQ | ISE CTA Cloud Computing | -1.9% | -8.2% | -10.8% | -41.6% | 3.9% | 40.8% | 233.3% | 43.3% |
| EMCLOUD | EMCLOUD | BVP Nasdaq Emerging Cloud | -6.7% | -13.1% | -15.0% | -54.2% | -2.0% | 95.5% | -- | 55.4% |
| NYGIT | NYGIT | Nasdaq Yewno Global Innovative Tech | 6.3% | -1.9% | -8.6% | -24.1% | 17.8% | 45.0% | 203.5% | 26.1% |
| NYGITXDP | NYGITXDP | Nasdaq Yewno Global Innovative Tech Ex Disputable | 6.1% | -2.7% | -9.4% | -25.2% | 19.7% | 48.2% | 205.7% | 26.7% |
| NYDTB | NYDTB | Nasdaq Yewno Global Disruptive Tech | 7.4% | 2.5% | -3.8% | -14.9% | 20.3% | 33.3% | -- | 21.8% |
| NYGCAR | NYGCAR | Nasdaq Yewno Global Future Mobility | 12.5% | -2.4% | -14.1% | -25.0% | 4.6% | -10.0% | 84.2% | 21.8% |
| NYGBIG | NYGBIG | Nasdaq Yewno Global AI and Big Data | 8.7% | -1.7% | -10.6% | -28.5% | 20.4% | 51.0% | 217.2% | 26.8% |
| PLAYER | PLAYER | Nasdaq CTA Global Video Games & ESports Index | 7.2% | -9.9% | -18.7% | -38.7% | -2.5% | -- | -- | 29.3% |
| KFTX | KFTX | KBW Nasdaq Financial Technology | 1.7% | -1.7% | -6.1% | -23.7% | -0.2% | 42.0% | 318.9% | 31.1% |
| WALLET | WALLET | Nasdaq CTA Global Digital Payments Index | -0.8% | -3.5% | -11.2% | -29.6% | -14.2% | -- | -- | 36.6% |
| IPY | IPAY | ISE Mobile Payments | 1.3% | -3.7% | -12.8% | -16.9% | -5.0% | 45.8% | 263.3% | 31.1% |
| HHO | HHO | ISE Clean Edge Water | 4.6% | 6.6% | 8.7% | -7.0% | 44.6% | 70.9% | 236.3% | 24.6% |
| GWE | GWE | ISE Clean Edge Global Wind Energy | 9.5% | -4.2% | -8.0% | -14.8% | 22.9% | 34.5% | 187.5% | 23.1% |
| CELS | CELS | NASDAQ Clean Edge Green Energy | 4.5% | -8.0% | 5.6% | -23.6% | 158.1% | 189.3% | 551.9% | 48.4% |
| QGRD | QGRD | NASDAQ OMX Clean Edge Smart Grid Infrastructure | 10.2% | 10.3% | 7.2% | -8.6% | 74.8% | 83.5% | 223.8% | 24.8% |

Nasdaq Dorsey Wright Indexes

| Index | BBG Ticker | Name | 1-Mth | 3-Mth | 6-Mth | 1-YR | 3-YR | 5-YR | 10-YR | Volatility |
|----------|------------|--|-------|-------|--------|--------|--------|--------|--------|------------|
| DWTL | DWTL | Dorsey Wright Technical Leaders | 3.0% | 3.9% | 0.3% | -19.4% | 21.7% | 48.8% | 179.0% | 28.7% |
| DWANQFF | DWANQFF | Dorsey Wright Focus Five | 4.0% | 6.8% | 0.8% | 1.2% | 58.9% | 78.8% | 287.1% | 26.4% |
| DWANQIFF | DWANQIFF | Dorsey Wright International Focus Five Index | 5.5% | -4.9% | -14.4% | -24.2% | -13.8% | -21.1% | -- | 23.3% |
| DWADM | DWADM | Dorsey Wright Developed Markets Tech Leaders | 8.8% | 1.6% | -9.0% | -26.7% | 3.1% | 5.9% | 54.5% | 23.7% |
| DWAEM | DWAEM | Dorsey Wright Emerging Markets Tech Leaders | 14.4% | -2.4% | -17.5% | -26.2% | 3.6% | -3.8% | 11.5% | 19.4% |
| DWATLSC | DWATLSC | Dorsey Wright SmallCap Tech Leaders | 0.4% | 2.4% | -2.8% | -12.5% | 45.1% | 61.8% | 207.7% | 30.6% |
| NQDALI | NQDALI | Nasdaq Dorsey Wright DALI1 Index | 2.4% | 0.2% | -7.5% | -2.2% | 24.1% | -- | -- | 23.6% |
| DWBM | DWBM | Dorsey Wright Basic Materials Tech Leaders | 7.6% | 6.8% | -5.2% | -2.4% | 42.3% | 27.2% | 127.0% | 32.5% |
| DWCC | DWCC | Dorsey Wright Consumer Cyclical Tech Leaders | 4.6% | 4.6% | 0.5% | -27.6% | 27.4% | 39.0% | 157.2% | 29.5% |
| DWCS | DWCS | Dorsey Wright Consumer Staples Tech Leaders | 7.5% | 8.6% | 6.5% | 2.6% | 22.2% | 38.4% | 150.7% | 20.4% |
| DWEN | DWEN | Dorsey Wright Energy Tech Leaders | -0.2% | 6.4% | -0.2% | 57.6% | 90.3% | 29.8% | 22.2% | 44.6% |
| DWFN | DWFN | Dorsey Wright Financials Tech Leaders | 2.3% | 5.3% | 0.1% | -19.7% | 15.3% | 26.0% | 101.7% | 26.1% |
| DWHC | DWHC | Dorsey Wright Healthcare Tech Leaders | -0.8% | -2.9% | 5.2% | -16.3% | 40.7% | 78.8% | 318.7% | 28.5% |
| DWIDX | DWIDX | Dorsey Wright Industrials Tech Leaders | 3.2% | 3.9% | 2.0% | -19.9% | 35.2% | 50.2% | 177.1% | 27.0% |
| DWTY | DWTY | Dorsey Wright Technology Tech Leaders | 8.0% | 2.6% | 1.6% | -27.8% | 65.3% | 135.4% | 408.7% | 41.1% |
| DWUT | DWUT | Dorsey Wright Utilities Tech Leaders | 5.6% | -2.7% | -4.1% | 7.3% | 5.9% | 18.7% | 114.4% | 20.7% |

Nasdaq Dividend and Income Indexes

| Index | BBG Ticker | Name | 1-Mth | 3-Mth | 6-Mth | 1-YR | 3-YR | 5-YR | 10-YR | Volatility |
|-----------|------------|--|-------|-------|--------|--------|--------|--------|--------|------------|
| DAA | DAAX | NASDAQ US Broad Dividend Achievers | 6.2% | 7.3% | 2.6% | 1.4% | 26.4% | 44.9% | 131.0% | 18.7% |
| DAY | DAY | NASDAQ US Dividend Achievers 50 | 4.5% | 5.0% | -2.6% | 10.1% | 17.1% | 20.9% | 127.8% | 17.5% |
| DAT | DAT | NASDAQ International Dividend Achievers | 6.7% | 2.0% | -8.1% | -0.3% | 5.8% | 9.0% | 13.2% | 18.3% |
| DRB | DRBX | NASDAQ US Buyback Achievers | 6.2% | 11.1% | 4.4% | -2.0% | 34.4% | 57.1% | 205.6% | 23.4% |
| NQCADIV | NQCADIV | NASDAQ Select Canadian Dividend | 4.0% | 1.7% | -6.6% | 1.6% | 8.2% | 8.9% | 51.6% | 13.6% |
| NQCAPFD | NQCAPFD | NASDAQ Select Canadian Preferred Share | -0.8% | -8.3% | -13.1% | -18.1% | -4.1% | -20.5% | -29.2% | 8.6% |
| NQMAUS | NQMAUS | NASDAQ US Multi-Asset Diversified Income | 2.4% | -1.1% | -6.2% | -2.9% | -15.7% | -18.6% | -21.8% | 14.5% |
| NQ96DIVUS | NQ96DVU | NASDAQ Technology Dividend | 8.7% | 2.6% | -8.4% | -13.8% | 22.9% | 47.0% | 170.3% | 26.0% |
| NQVDIV | NQVDIV | NASDAQ Victory Dividend Accelerator | 6.4% | 7.5% | 4.2% | 4.7% | 32.2% | 67.6% | 242.6% | 19.3% |
| NQ7HANDLL | N7HANDLL | NASDAQ 7HANDL | 5.1% | -1.6% | -5.7% | -14.8% | -3.4% | 0.5% | 15.7% | 16.9% |

Nasdaq Options Indexes

| Index | BBG Ticker | Name | 1-Mth | 3-Mth | 6-Mth | 1-YR | 3-YR | 5-YR | 10-YR | Volatility |
|---------|------------|---|-------|-------|-------|--------|--------|--------|--------|------------|
| BXNT | BXNT | CBOE NASDAQ-100 BuyWrite | 3.9% | 0.5% | -1.7% | -15.2% | 4.5% | 27.6% | 110.2% | 22.2% |
| BXNH | BXNH | CBOE NASDAQ-100 Half BuyWrite | 4.8% | -0.6% | -3.0% | -20.1% | 25.0% | 60.7% | 230.4% | 26.5% |
| NQTRI | NQTRI | NASDAQ-100 Quarterly Protective Put 90 | 4.0% | -4.3% | 0.2% | -21.3% | 28.0% | 70.6% | 253.6% | 22.4% |
| NQRMI | NQRMI | NASDAQ-100 Monthly Net Credit Collar 95-100 | 0.7% | -1.8% | -4.6% | -15.7% | -16.7% | -16.4% | 2.1% | 12.8% |
| NQCLRI | NQCLRI | NASDAQ-100 Quarterly Collar 95-110 | 3.0% | -0.9% | 4.3% | -10.6% | 13.9% | 44.2% | 157.4% | 14.1% |
| QGLDITR | QGLDITR | Credit Suisse NASDAQ Gold FLOWS103 | 6.6% | 3.2% | -1.9% | 0.6% | 21.0% | 37.9% | 3.9% | 11.1% |

Nasdaq Green Economy Indexes

| Index | BBG Ticker | Name | 1-Mth | 3-Mth | 6-Mth | 1-YR | 3-YR | 5-YR | 10-YR | Volatility |
|----------|------------|--------------------------|-------|-------|-------|--------|--------|--------|---------|------------|
| QGREEN | QGREEN | NASDAQ OMX Green Economy | 4.7% | -2.5% | -4.0% | -21.5% | 43.5% | 62.1% | 165.7% | 26.9% |
| GRNWATU | GWATU | NASDAQ OMX US Water | 5.7% | 7.2% | 8.6% | -7.2% | 42.4% | 75.4% | 162.9% | 25.0% |
| GRNWATER | GWATER | NASDAQ OMX Global Water | 8.3% | 5.1% | -1.6% | -18.2% | 13.2% | 29.6% | 92.8% | 21.5% |
| GRNWIND | GRNWIND | NASDAQ OMX Wind | 21.7% | -1.9% | -3.2% | -21.1% | 13.9% | 53.7% | 419.7% | 36.8% |
| GRNSOLAR | GRNSOLAR | NASDAQ OMX Solar | 13.7% | 5.8% | 19.9% | 0.4% | 194.3% | 203.4% | 1244.5% | 38.1% |

Nasdaq BulletShares Indexes

| Index | BBG Ticker | Name | 1-Mth | 3-Mth | 6-Mth | 1-YR | 3-YR | 5-YR | 10-YR | Volatility |
|-------|------------|--|-------|-------|-------|-------|-------|-------|-------|------------|
| BSCBM | BSCBM | BS Corporate Bond 2022 TR Index | 0.4% | 0.7% | 0.9% | 0.9% | 5.8% | 13.7% | -- | 0.4% |
| BSCBO | BSCBO | BS Corporate Bond 2024 TR Index | 0.9% | -0.5% | -1.2% | -4.3% | 2.8% | 12.8% | -- | 2.2% |
| BSCBQ | BSCBQ | BS Corporate Bond 2026 TR Index | 2.6% | -0.8% | -1.9% | -8.1% | -0.3% | 11.4% | -- | 4.8% |
| BSEMM | BSEMM | BS Emerging Markets 2022 TR Index | 0.3% | 0.8% | 1.2% | -5.7% | -2.5% | 5.6% | -- | 4.4% |
| BSEMO | BSEMO | BS Emerging Markets 2024 TR Index | 1.5% | 0.5% | -0.2% | -3.2% | 3.1% | 13.8% | -- | 1.8% |
| BSJKM | BSJKM | BS High Yield Corporate Bond 2022 TR Index | 0.3% | 0.5% | -1.1% | -1.8% | 4.4% | 13.2% | -- | 2.7% |
| BSJKO | BSJKO | BS High Yield Corporate Bond 2024 TR Index | 1.6% | 1.6% | -0.9% | -4.8% | 4.2% | 13.4% | -- | 5.8% |
| BSJKQ | BSJKQ | BS High Yield Corporate Bond 2026 TR Index | 1.4% | 1.5% | -0.9% | -4.8% | 5.6% | 15.0% | -- | 6.2% |



Index Monthly Performance Report

November 30, 2022

Nasdaq Crypto Indexes

| Index | BBG Ticker | Name | 1-Mth | 3-Mth | 6-Mth | 1-YR | 3-YR | 5-YR | 10-YR | Volatility |
|--------|------------|-----------------------|--------|--------|--------|--------|------|------|-------|------------|
| NCIS | NCIS | NASDAQ Crypto Index | -16.6% | -14.8% | -42.0% | -71.4% | -- | -- | -- | 66.0% |
| NQBTCS | NQBTCS | NASDAQ Bitcoin Index | -16.6% | -14.7% | -46.2% | -70.4% | -- | -- | -- | 61.0% |
| NQETHS | NQETHS | NASDAQ Etheruem Index | -18.1% | -16.8% | -33.4% | -72.4% | -- | -- | -- | 82.9% |

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