

Innovation Meets Sustainability

Nasdaq-100 ESG[™] Index (NDXESG[™])

December 2024 Reconstitution

NDXESG Index Objectives

- Reduce the degree to which the portfolio's economic value is at risk because of Environmental, Social, and Governance (ESG) factors, or more technically, aim to significantly improve the portfolio's Sustainalytics ESG Risk Rating Score;
- Exclude enterprises that create reputational risks or violate fundamental values;
- Eliminate business exposures that are off-limit for most ESG-conscious investors and
- Aim to deliver similar performance to the Nasdaq-100® (NDX®) very low tracking error.

NDXESG Index Mechanics

- At all times, the Nasdaq-100 ESG Index (NDXESG) consists of a selection of securities in the Nasdaq-100.
- The Nasdaq-100 is reconstituted annually in December.
- The ESG characteristics of the underlying issuers are re-evaluated each quarter (March, June, December, and December). Hence, there is an NDXESG reconstitution and rebalancing each quarter.
- Securities removed from the Nasdaq-100 outside of a reconstitution are removed from the Nasdaq-100 ESG Index and are not replaced.

NDXESG Weighting Scheme

- The Nasdaq-100 ESG Index is a modified market capitalization-weighted index that considers a company's ESG Risk Rating Score as an adjustment factor.
- Two factors play into the index weight of an issuer:
 - The Nasdaq-100 Market Value, and
 - The ESG Risk Rating Score.
- In general, for each issuer:
 - Everything else equal, the higher the weight in the Nasdaq-100 and/or the better the ESG Risk Rating Score, the higher the weight in the NDXESG Index, and vice versa.

NDXESG[™] ESG Exclusions: 9

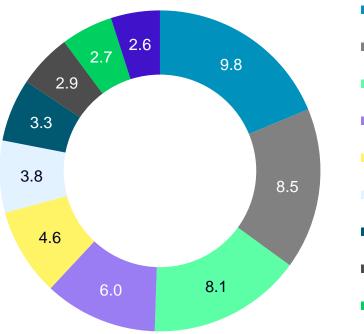
Symbol	Company Name	ICB Industry	Nasdaq-100 ESG: Reason(s) for Exclusion	Nasdaq-100® Weight (%)
HON	Honeywell International	Industrials	Revenue from military contracting weapons. Involvement in Controversial Weapons: Tailor- made and essential.	0.92
ARM	ARM Holdings	Technology	ESG Risk Rating Score Unavailable	0.10
ADI	Analog Devices	Technology	Revenue from military contracting weapon-related products and/or services.	0.66
CEG	Constellation Energy	Utilities	Revenue from nuclear production and oil & gas generation.	0.44
AEP	American Electric Power	Utilities	Revenue from thermal coal power generation, nuclear production, and oil & gas generation.	0.31

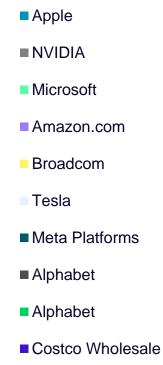
NDXESG[™] ESG Exclusions: 9

Symbol	Company Name	ICB Industry	Nasdaq-100 ESG: Reason(s) for Exclusion	Nasdaq-100® Weight (%)
FANG	Diamondback Energy	Energy	Revenue from oil & gas production. Involvement in shale energy extraction and/or production.	0.28
AXON	Axon Enterprise	Industrials	Revenue from small arms by military/law enforcement	0.30
BKR	Baker Hughes	Energy	Revenue from oil & gas supporting products/services.	0.25
XEL	Xcel Energy	Utilities	Revenue from thermal coal power generation, nuclear production, and oil & gas generation.	0.24

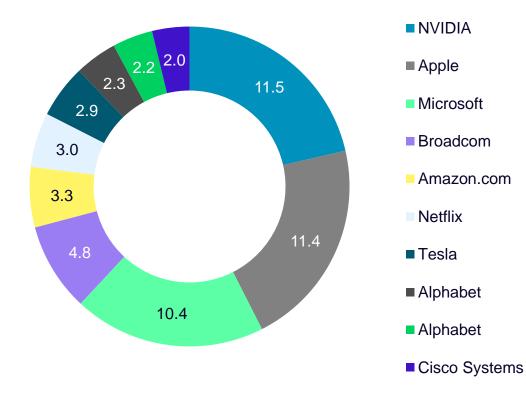
Top 10 Constituents by Index Weight (%)

NDX Top 10 weight = 52.2%

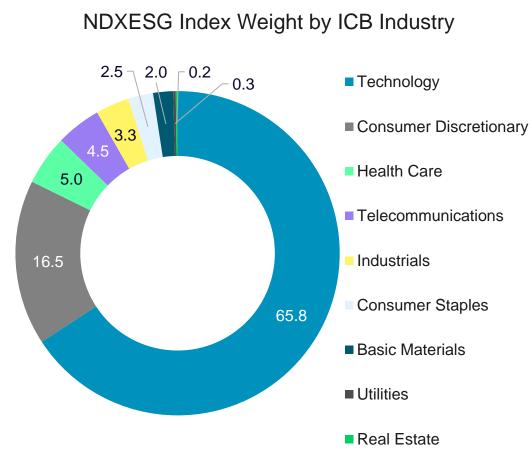




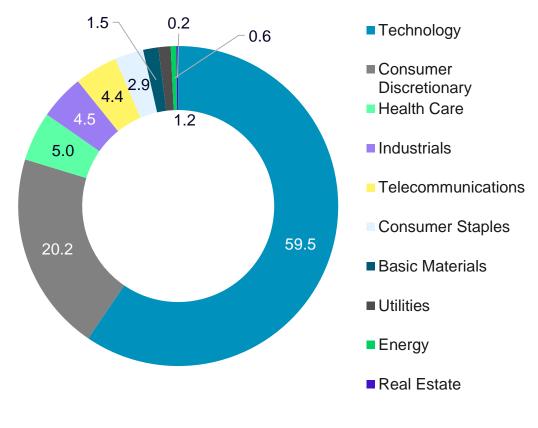




Sector Exposure by Index Weight (%)

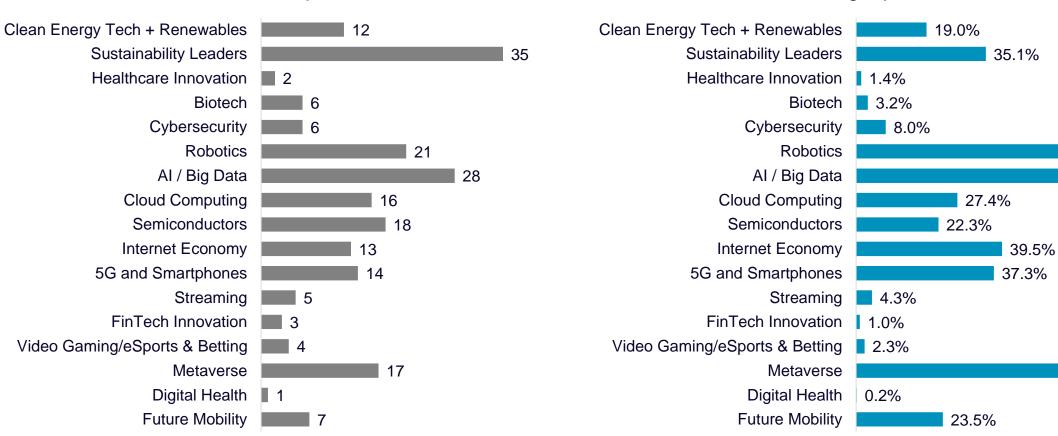


NDX Index Weight by ICB Industry





Thematic Exposure: Nasdaq-100



Index Weight per Theme

55.4%

55.6%

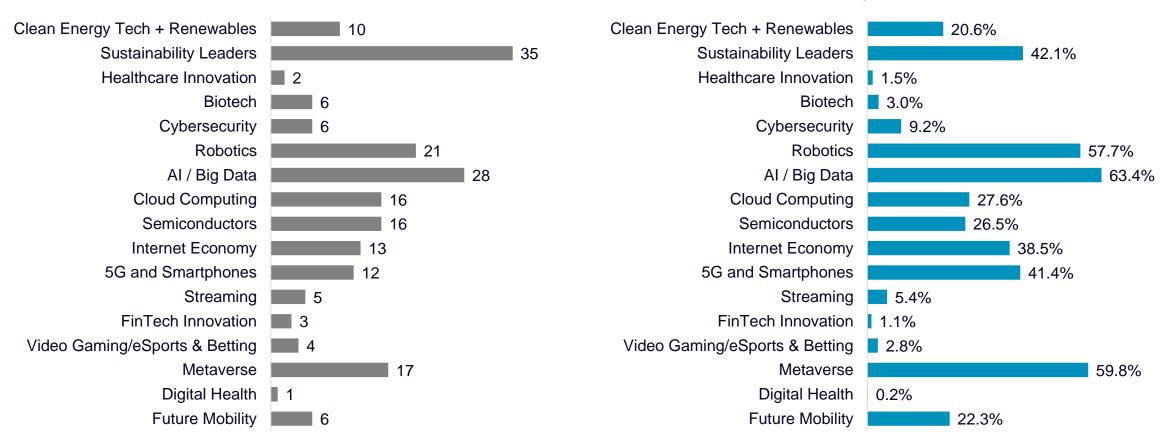
59.4%

of Constituents per Theme

Source: Nasdaq, FactSet. Data as of 12/31/2024.

Based on overlap with existing Nasdaq Thematic Indexes, except for 5G and Smartphones, Streaming, and Video Gaming/eSports & Betting where competitor products were analyzed.

Thematic Exposure: Nasdaq-100 ESG



Index Weight per Theme

of Constituents per Theme

Source: Nasdaq, FactSet. Data as of 12/31/2024.

Based on overlap with existing Nasdaq Thematic Indexes, except for 5G and Smartphones, Streaming, and Video Gaming/eSports & Betting where competitor products were analyzed.

Top 10 Largest Overweights: NDXESG vs. NDX

Symbol	Company Name	ICB Industry	Nasdaq-100 ESG Weight (%)	Nasdaq-100 Weight (%)	Weight Difference (%)
NVDA	NVIDIA	Technology	11.5	8.5	3.0
MSFT	Microsoft	Technology	10.4	8.1	2.3
AAPL	Apple	Technology	11.4	9.8	1.6
NFLX	Netflix	Consumer Discretionary	3.0	2.4	0.5
CSCO	Cisco Systems	Telecommunications	2.0	1.5	0.5
LIN	Linde	Basic Materials	1.8	1.3	0.5
QCOM	QUALCOMM	Technology	1.5	1.1	0.4
AMD	AMD	Technology	1.6	1.2	0.4
ADBE	Adobe	Technology	1.6	1.2	0.4
AMAT	Applied Materials	Technology	1.2	0.9	0.4



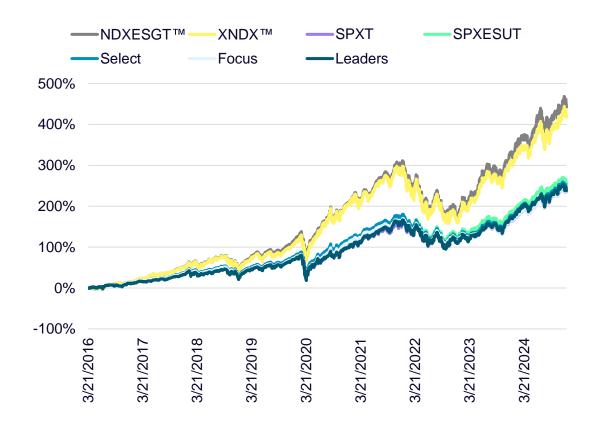
Top 10 Largest Underweights: NDXESG vs. NDX

Symbol	Company Name	ICB Industry	Nasdaq-100 ESG Weight (%)	Nasdaq-100 Weight (%)	Weight Difference (%)
AMZN	Amazon.com	Consumer Discretionary	3.3	6.0	-2.7
META	Meta Platforms	Technology	1.2	3.3	-2.1
COST	Costco Wholesale	Consumer Discretionary	1.4	2.6	-1.2
TSLA	Tesla	Consumer Discretionary	2.9	3.8	-0.9
GOOGL	Alphabet	Technology	2.3	2.9	-0.6
GOOG	Alphabet	Technology	2.2	2.7	-0.5
TMUS	T-Mobile US	Telecommunications	1.4	1.6	-0.2
MNST	Monster Beverage	Consumer Staples	0.1	0.3	-0.2
PDD	PDD Holdings	Technology	0.2	0.4	-0.2
PLTR	Palantir Technologies	Technology	0.9	1.0	-0.1

Data as of EOD 12/31/2024. Source: Nasdaq Global Indexes.

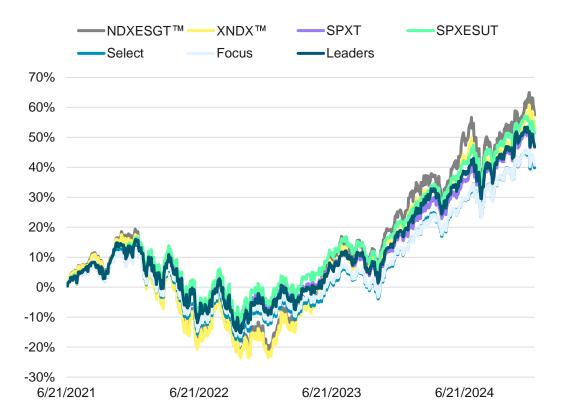
Performance – NDXESG vs. NDX

Since Beginning of NDXESG Backtest 3/21/2016 – 12/31/2024



Total Return Data* as of 12/31/2024. Source: Nasdaq Global Indexes, FactSet, Bloomberg.

Since NDXESG Inception 6/21/2021 – 12/31/2024



*XNDX: Nasdaq-100® Total Return[™]; NDXESGT: Nasdaq-100 ESG Total Return[™]; SPXESUT: S&P 500 ESG Index TR; SPXT: S&P 500 TR; Select: MSCI USA ESG Universal Sel Business Screens TR; ; Focus: MSCI USA Extended ESG Focus TR; Leaders: MSCI USA Extended ESG Leaders TR

ESG Comparisons – NDXESG vs. NDX

	Development	# of Securities	% Exclusion from the Benchmark	Sustainalytics ESG Risk Score		
Index Name	Benchmark			Weighted Average	Simple Average	
Nasdaq-100 Index®		101	n/a	19.3	19.5	
Nasdaq-100 ESG™ Index	Nasdaq-100®	92	9%	17.5	18.7	
MSCI USA Index		589	n/a	20.4	20.7	
MSCI USA Extended ESG Focus Index	MSCI USA	284	52%	19.6	19.7	
MSCI USA Extended ESG Leaders Index	MSCI USA	293	50%	18.0	19.1	
MSCI USA ESG Universal Select Business Screens Index	MSCI USA	552	6%	19.3	20.2	
S&P 500 Index		503	n/a	20.4	20.6	
S&P 500 ESG Index	S&P 500	317	37%	21.2	20.6	

Data as of 12/31/2024. Source: Nasdaq Global Indexes, Sustainalytics, FactSet, Bloomberg. RESOURCES

RESOURCES Nasdaq-100 ESG Index (NDXESG)

- Overview
 - <u>https://indexes.nasdaqomx.com/Index/Overview/NDXESG</u>
- Methodology
 - https://indexes.nasdaqomx.com/docs/methodology_NDXESG.pdf
- Research
 - https://indexes.nasdaqomx.com/docs/NDXESG_Research.pdf
- Fact Sheet
 - https://indexes.nasdaqomx.com/docs/FS_NDXESGT.pdf
- Carbon Credit Report
 - NDXESG: <u>https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20-%20NDXESG.pdf</u>
 - NDX: https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20—%20NDX.pdf

APPENDIX

APPENDIX NDXESG Exclusions Based on ESG Risk

Companies with a "Severe" ESG Risk Rating Score are automatically disqualified from inclusion.

• A rating of greater than 40 is considered "Severe"; 30-40 is considered "High"; 20-30 is "Medium"; 10-20 is "Low"; and 0-10 is "Negligible".

Exclude any company that has not been researched yet.



APPENDIX NDXESG Exclusions Based on ESG Risk – continued

- Exclude any company that has a Controversy Rating equal to 5:
 - The Controversy Rating reflects:
 - Incidents with negative Environmental, Social, and Governance (ESG) implications.
 - A company's level of involvement in and how it manages these issues.
 - Categorical scores are on a scale of 1 to 5.

APPENDIX NDXESG Based on International Norms

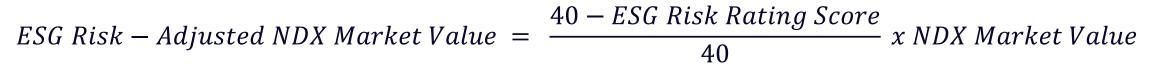
- A company must not violate the United Nations Global Compact and related international norms and standards, such as the Organization for Economic Cooperation and Development (OECD) Guidelines and United Nations (UN) Guiding Principles.
 - 10 principles around human rights, labor, environment, and anti-corruption.
 - <u>https://www.unglobalcompact.org/what-is-gc/mission/principles</u>
- Securities are excluded from NDXESG that are classified as non-compliant.
 - Each company in the index is therefore classified as either compliant or on the watch list with the UN Global Compact framework for following international norms.

APPENDIX NDXESG Based on Business Involvements

Business Involvements Considered*:

- 1. Energy (Arctic Oil & Gas; Nuclear Power; Oil & Gas; Oil Sands; Shale Energy; Thermal Coal)
- 2. Health & Life (Alcohol; Recreational Cannabis; Tobacco)
- 3. Defense & Military (Controversial weapons; Military Contracting; Riot Control; Small Arms)
- 4. Values-Based (Adult Entertainment; Gambling)

APPENDIX NDXESG Weighting Scheme



- Initial security weights are calculated by dividing a security's ESG Risk-Adjusted NDX Market Value by the sum of the ESG Risk-Adjusted NDX Market Values of all Index Securities.
- Afterwards, the same four-stage weight adjustment process as exists for NDX at its annual reconstitution is applied to produce final weights on a quarterly basis for NDXESG.

APPENDIX NDXESG Weighting Scheme – continued

For Illustrative Purposes Only.

The information included on this slide is not based on actual data.

Security	Parent Index	ESG Risk	(40-ESG	ESG Adjusted	Weight in	Weight in	ESG
	Market Value	Rating	Risk	Market Value	ESG	Parent	Excess
		Score	Rating		Index	Index	Weight
			Score)/40		(before		
					capping)		
Company A	157,440,900.96	9.669091	0.76	119,383,139.64	5%	2%	3%
Company B	408,425,550.79	10.14988	0.75	304,788,747.93	12%	5%	7%
Company C	466,765,510.49	10.33926	0.74	346,115,277.80	14%	6%	8%
Company D	337,399,212.20	10.56613	0.74	248,274,134.49	10%	4%	6%
Company E	36,052,270.56	12.02819	0.70	25,211,182.25	1%	0%	1%
Company F	590,398,129.57	16.18527	0.60	351,504,303.67	14%	7%	7%
Company G	268,545,835.16	19.19268	0.52	139,692,956.82	6%	3%	2%
Company H	311,917,708.29	20.84302	0.48	149,385,045.36	6%	4%	2%
Company I	547,470,308.53	22.79236	0.43	235,516,830.87	10%	7%	3%
Company J	24,733,442.74	24.69826	0.38	9,461,619.64	0%	0%	0%
Company K	435,838,825.61	27.38121	0.32	137,493,977.85	6%	5%	0%
Company L	118,577,295.32	27.73561	0.31	36,356,957.07	1%	1%	0%
Company M	307,719,744.86	28.36004	0.29	89,546,103.32	4%	4%	0%
Company N	441,090,355.41	33.1488	0.17	75,549,938.88	3%	6%	-2%
Company O	834,726,757.15	35.35263	0.12	96,982,201.14	4%	10%	-7%
Company P	550,834,597.82	37.24048	0.07	38,001,025.35	2%	7%	-5%
Company Q	269,359,777.85	37.4192	0.06	17,379,073.33	1%	3%	-3%
Company R	844,981,656.98	38.72938	0.03	26,841,302.95	1%	11%	-10%
Company S	359,845,558.64	39.02818	0.02	8,742,612.50	0%	5%	-4%
Company T	646,652,051.08	39.70698	0.01	4,736,994.67	0%	8%	-8%

Source: Nasdaq Global Indexes.

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