



Innovation Meets Sustainability

Nasdaq-100 ESG™ Index (NDXESG™) &
Nasdaq Next Generation 100 ESG™ Index (NGXESG™)

March 2025 Reconstitution

March 2025 Reconstitution

NDXESG / NGXESG 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®)/ Nasdaq Next Generation 100™ Index (NGX™) (very low tracking error).



March 2025 Reconstitution

NDXESG / NGXESG Index Mechanics

- At all times, the Nasdaq-100 ESG Index (NDXESG) / Nasdaq Next Generation 100 ESG Index (NGXESG) consists of a selection of securities in the Nasdaq-100 / Nasdaq Next Generation 100 Index.
- The Nasdaq-100 and Nasdaq Next Generation 100 Indexes are 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 / NGXESG reconstitution and rebalancing each quarter.
- Securities removed from the Nasdaq-100 / Nasdaq Next Generation 100 Index outside of a reconstitution are removed from the Nasdaq-100 ESG Index / Nasdaq Next Generation 100 ESG Index and are not replaced.



March 2025 Reconstitution

NDXESG / NGXESG Weighting Scheme

- The Nasdaq-100 ESG Index / Nasdaq Next Generation 100 ESG Index are modified market capitalization-weighted indexes that consider a company's ESG Risk Rating Score as an adjustment factor.
- Two factors play into the index weight of an issuer:
 - The Nasdaq-100 / Nasdaq Next Generation 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. Same for Nasdaq Next Generation 100 and NGXESG.



March 2025 Reconstitution

NDXESG™ ESG Exclusions: 10

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.	0.95
ADI	Analog Devices	Technology	Revenue from military contracting weapon-related products and/or services.	0.69
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.	0.40
CSX	CSX Corp	Industrials	Revenue from thermal coal extraction and supporting products/services	0.39

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NDXESG™ ESG Exclusions: 10

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.	0.32
BKR	Baker Hughes	Energy	Revenue from oil & gas supporting products/services.	0.30
AXON	Axon Enterprise	Industrials	Revenue from small arms by military/law enforcement	0.28
XEL	Xcel Energy	Utilities	Revenue from thermal coal power generation, nuclear production, and oil & gas generation.	0.28
ARM	ARM Holdings	Technology	ESG Risk Rating Score Unavailable	0.10

March 2025 Reconstitution

NGXESG™ ESG Exclusions: 16

Symbol	Company Name	ICB Industry	Nasdaq Next Generation 100 ESG: Reason(s) for Exclusion	Nasdaq Next Generation 100™ Weight (%)
EXE	Expand Energy	Energy	ESG Risk Rating Score is greater than 40 Revenue from oil & gas generation and shale energy extraction	1.72
ESLT	Elbit Systems	Industrials	Revenue from military contracting weapon-related products and/or services, small arms military/law enforcement and riot control protection equipment and riot control weapons	1.13
LNT	Alliant Energy	Utilities	Revenue from oil & gas generation and thermal coal power generation	1.10
DKNG	DraftKings	Consumer Discretionary	Revenue from gambling operations	1.08
CASY	Casey's General Stores	Consumer Staples	Revenue from tobacco products – retail	1.07

March 2025 Reconstitution

NGXESG™ ESG Exclusions: 16

Symbol	Company Name	ICB Industry	Nasdaq Next Generation 100 ESG: Reason(s) for Exclusion	Nasdaq Next Generation 100™ Weight (%)
EVRG	Evergy	Utilities	Revenue from nuclear production, oil & gas generation and thermal coal power generation	1.05
BIDU	Baidu	Technology	Global Standards Screening non-compliance	0.87
PPC	Pilgrim's Pride	Consumer Staples	ESG Risk Rating Score is greater than 40	0.86
TXRH	Texas Roadhouse	Consumer Discretionary	Revenue from alcoholic beverages – retail	0.74
WWD	Woodward	Industrials	Revenue from military contracting weapon-related products and/or services, and oil & gas supporting products/services	0.72

March 2025 Reconstitution

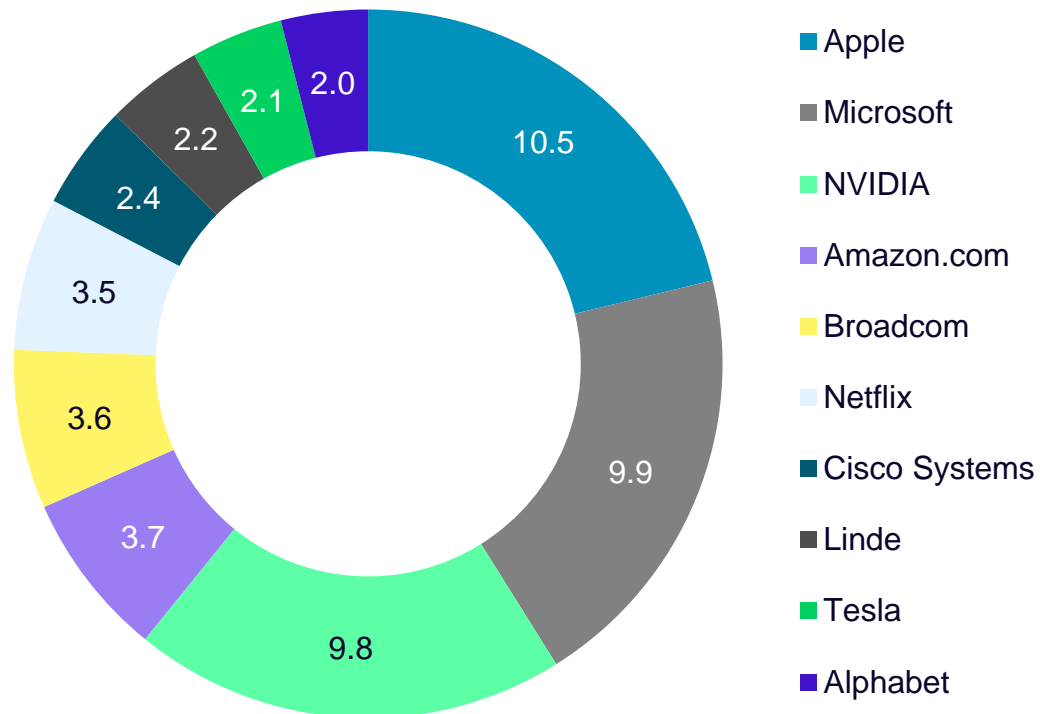
NGXESG™ ESG Exclusions: 16

Symbol	Company Name	ICB Industry	Nasdaq Next Generation 100 ESG: Reason(s) for Exclusion	Nasdaq Next Generation 100™ Weight (%)
CART	Maplebear	Technology	ESG Risk Rating Score is greater than 40	0.70
ALAB	Astera Labs	Technology	ESG Risk Rating Score is greater than 40	0.64
TLN	Talen Energy	Utilities	ESG Risk Rating Score is greater than 40. Revenue from nuclear production, oil & gas generation and thermal coal power generation	0.61
SNDK	SanDisk	Technology	ESG Risk Rating Score has not yet been determined	0.36
LLYVK	Liberty Media	Consumer Discretionary	ESG Risk Rating Score has not yet been determined	0.29
LLYVA	Liberty Media	Consumer Discretionary	ESG Risk Rating Score has not yet been determined	0.11

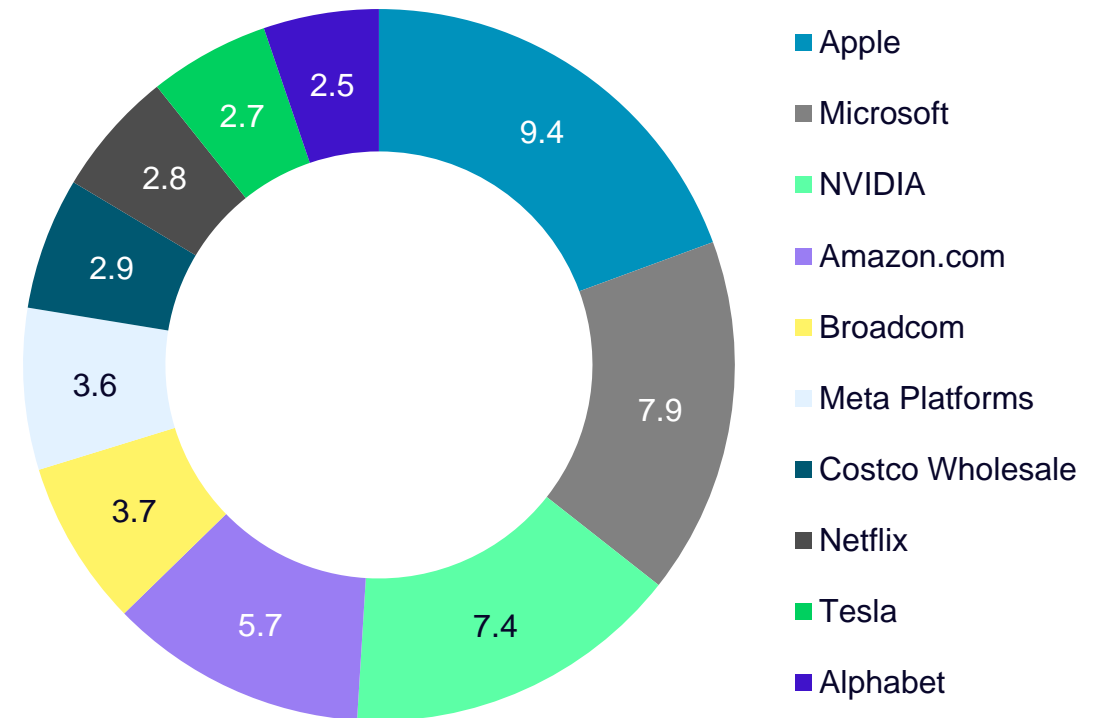
March 2025 Reconstitution

Top 10 Constituents by Index Weight (%)

NDXESG
Top 10 Weights = 49.6%



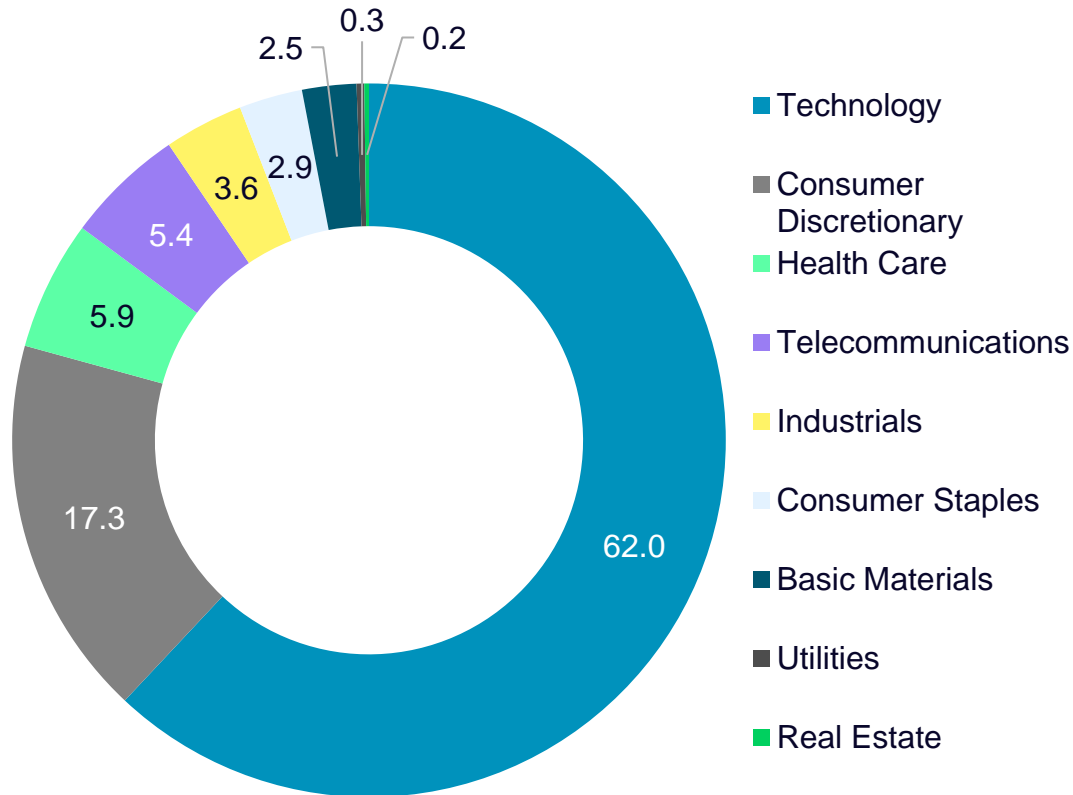
NDX
Top 10 Weight = 48.5%



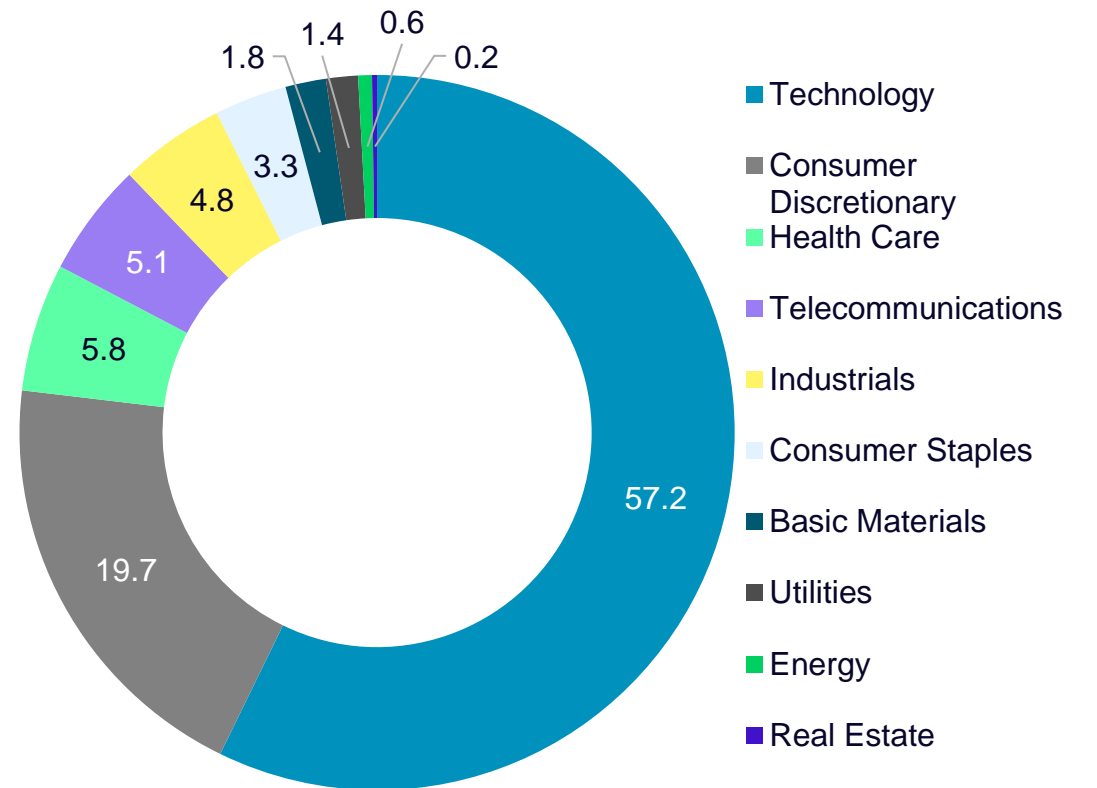
March 2025 Reconstitution

Sector Exposure by Index Weight (%)

NDXESG Index Weight by ICB Industry



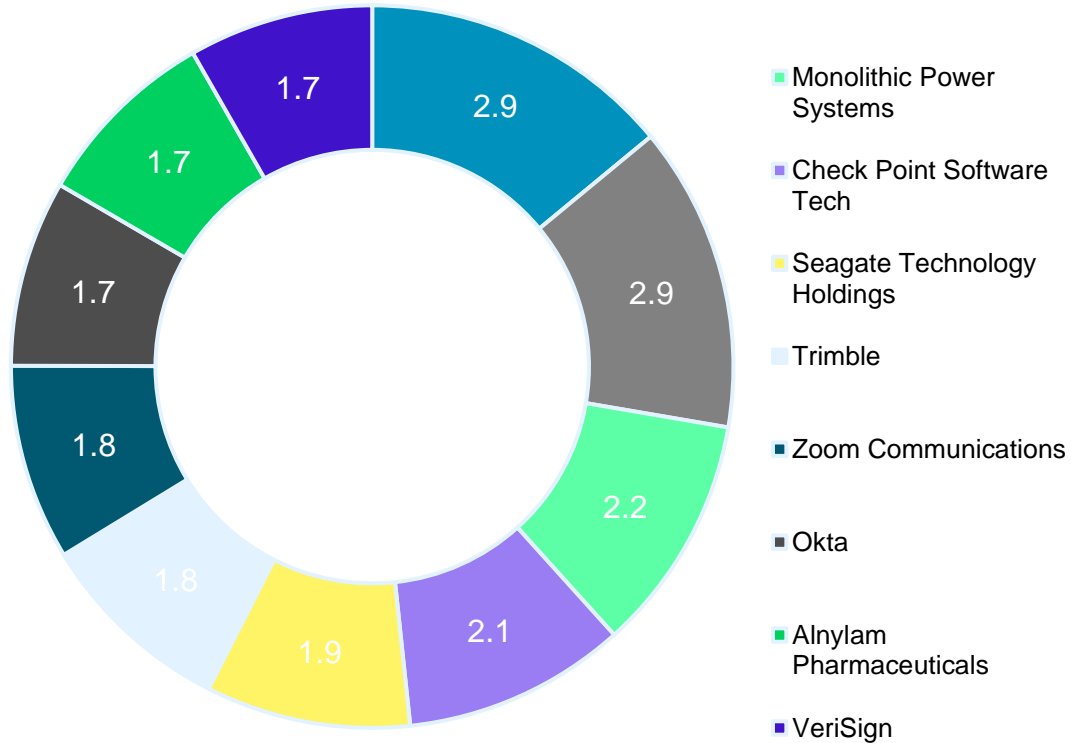
NDX Index Weight by ICB Industry



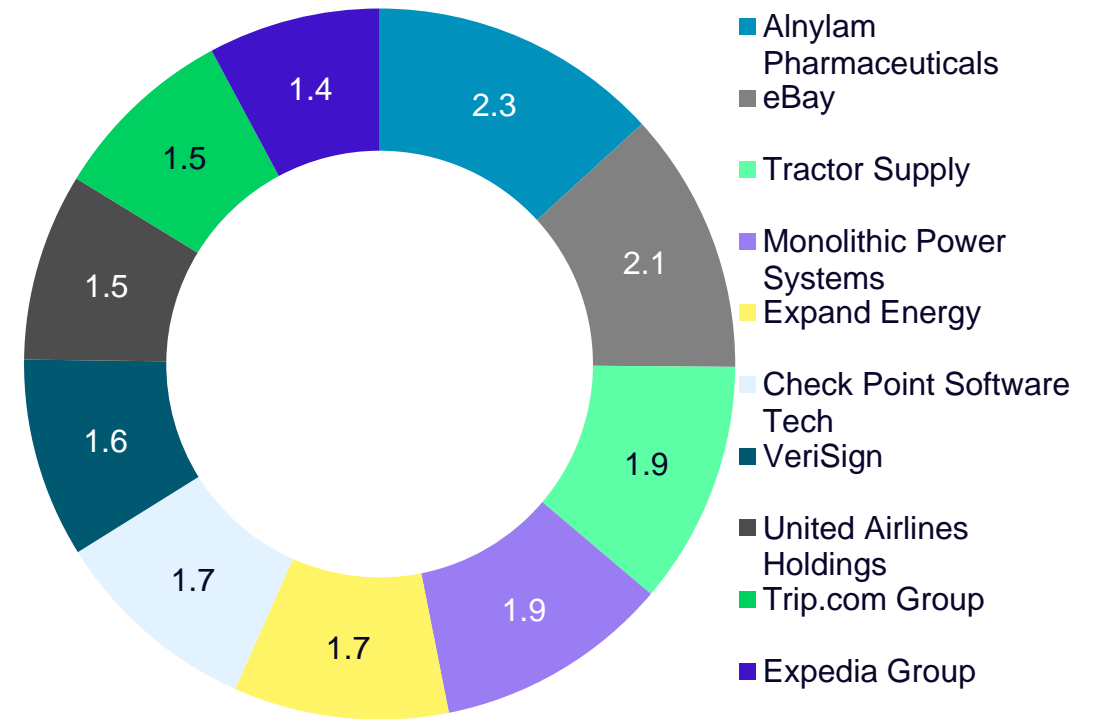
March 2025 Reconstitution

Top 10 Constituents by Index Weight (%)

NGXESG
Top 10 Weight = 20.9%

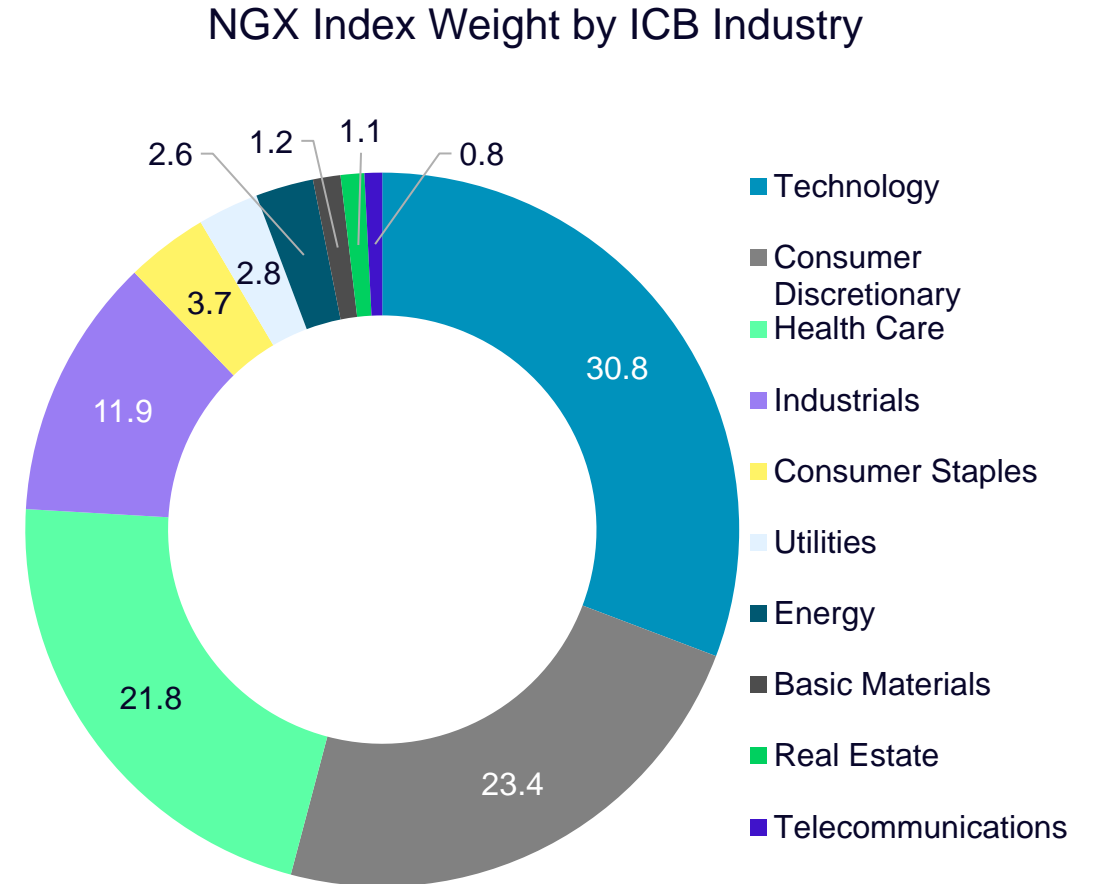
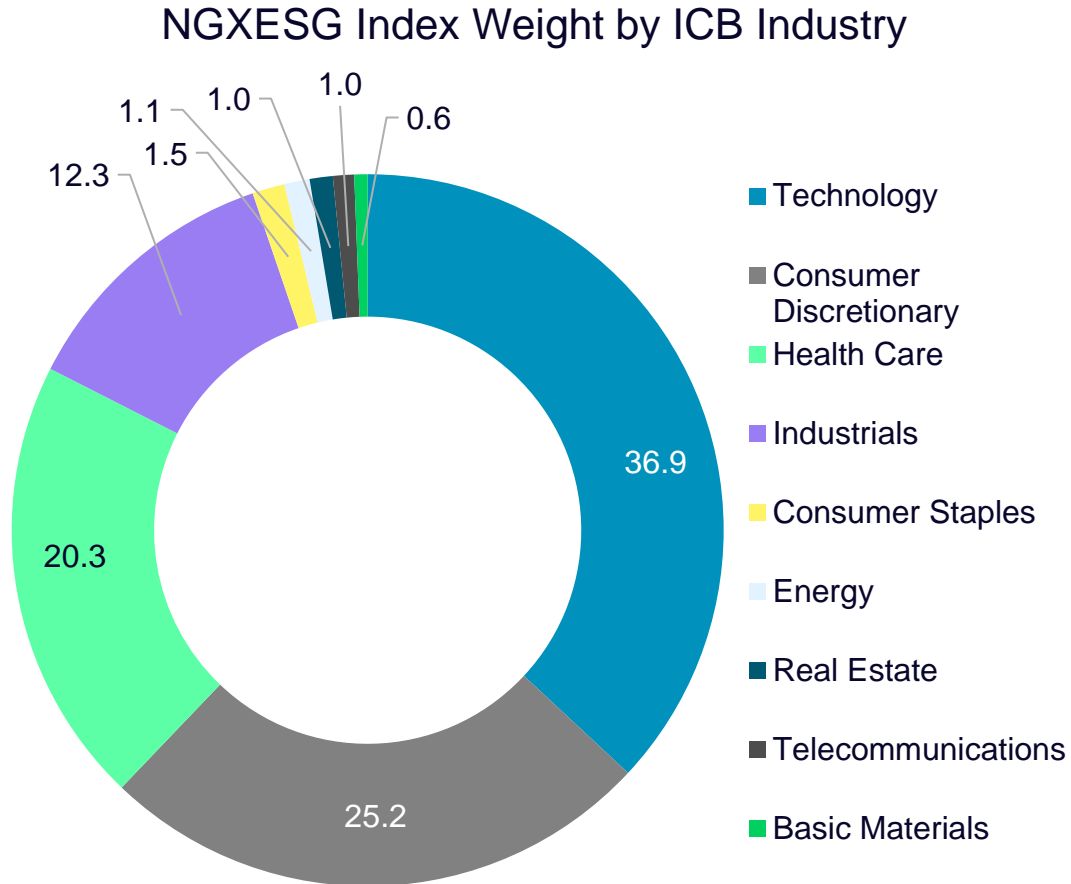


NGX
Top 10 Weights = 17.6%



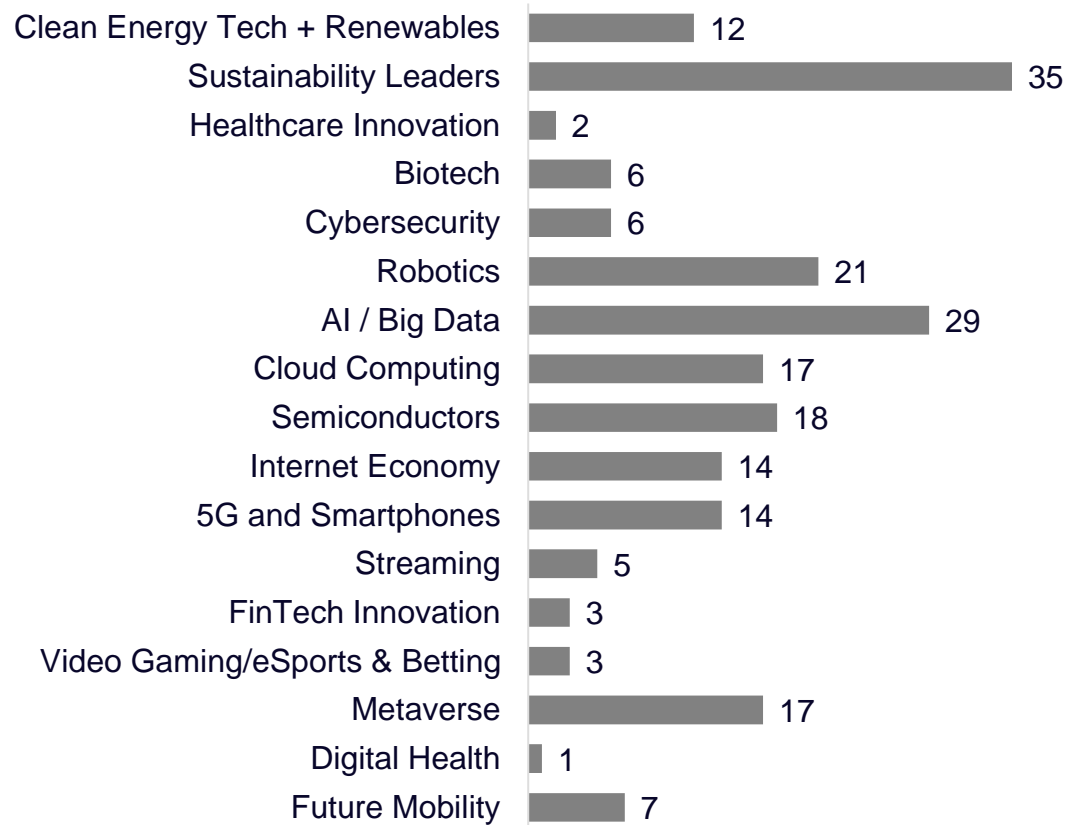
March 2025 Reconstitution

Sector Exposure by Index Weight (%)

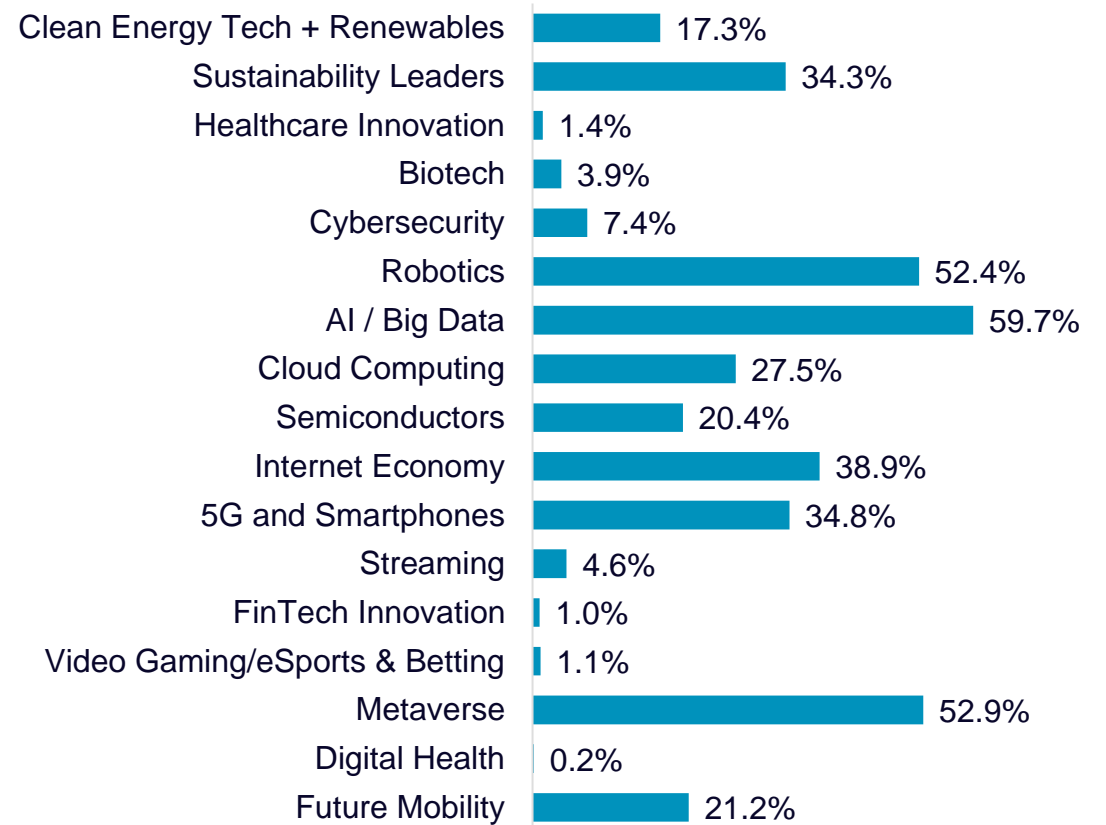


Nasdaq-100 by Thematic Exposures

of Constituents per Theme



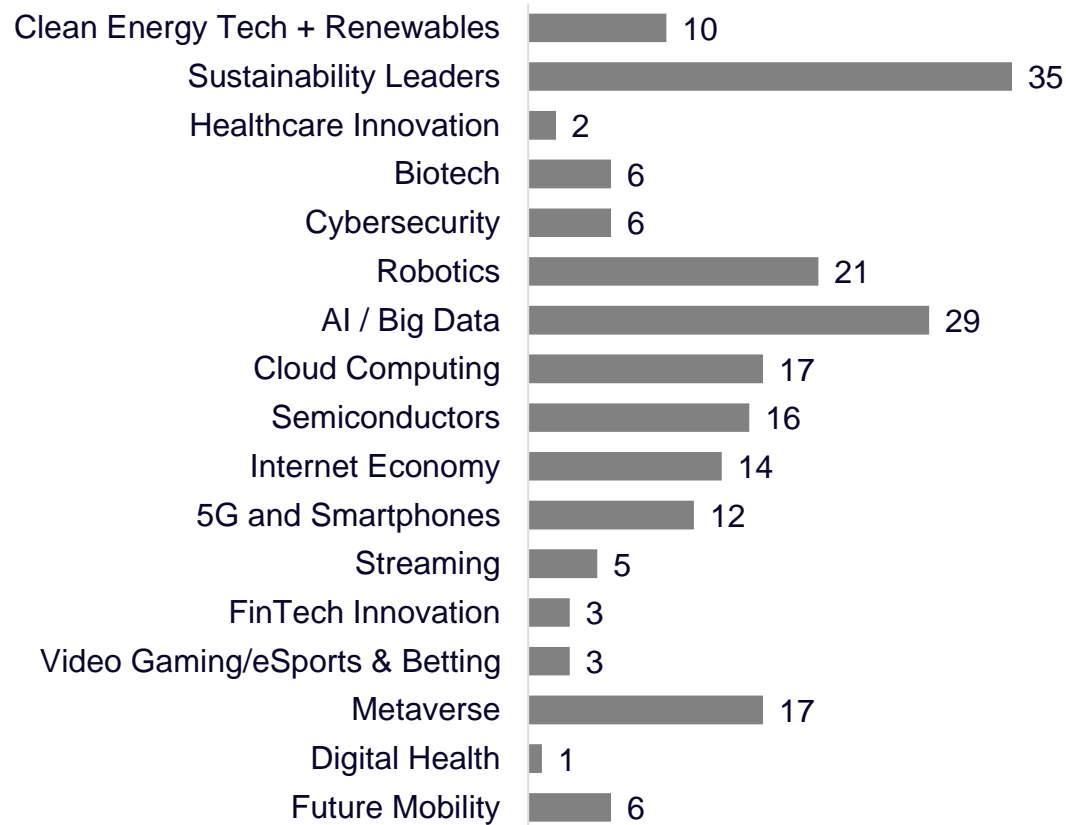
Index Weight per Theme



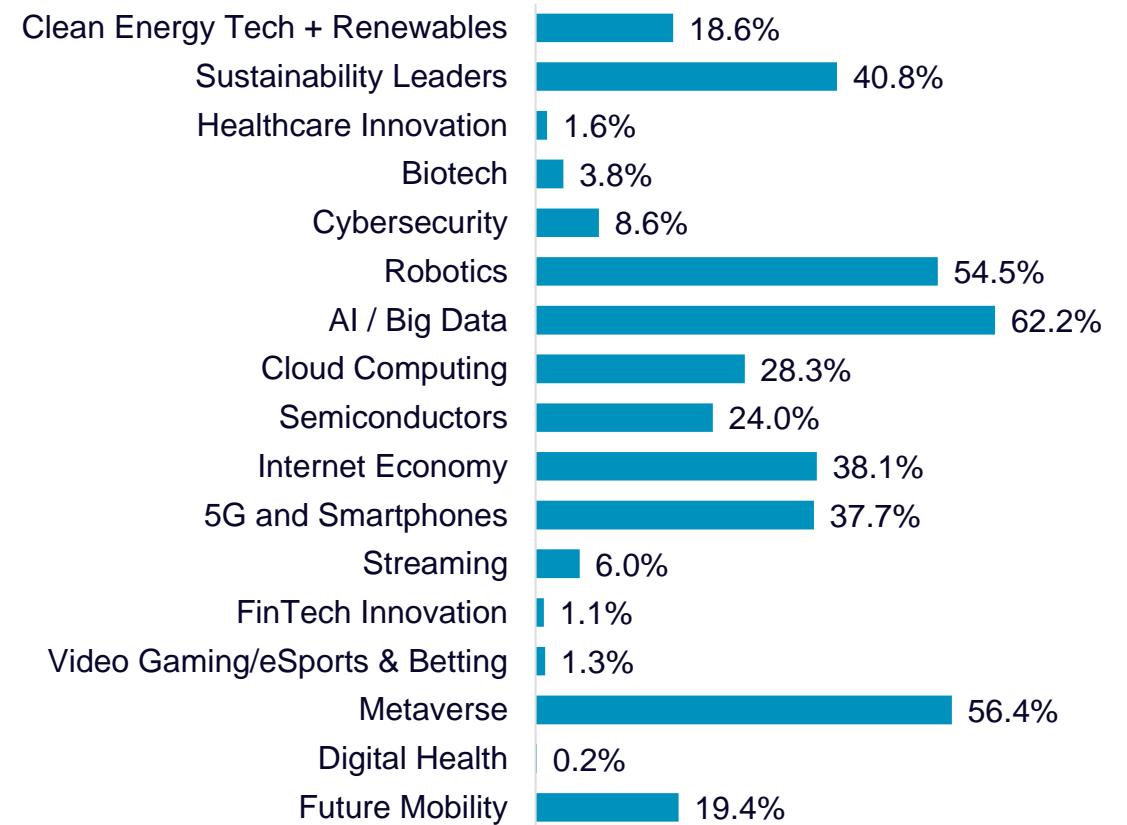
March 2025 Reconstitution

Nasdaq-100 ESG by Thematic Exposures

of Constituents per Theme



Index Weight per Theme



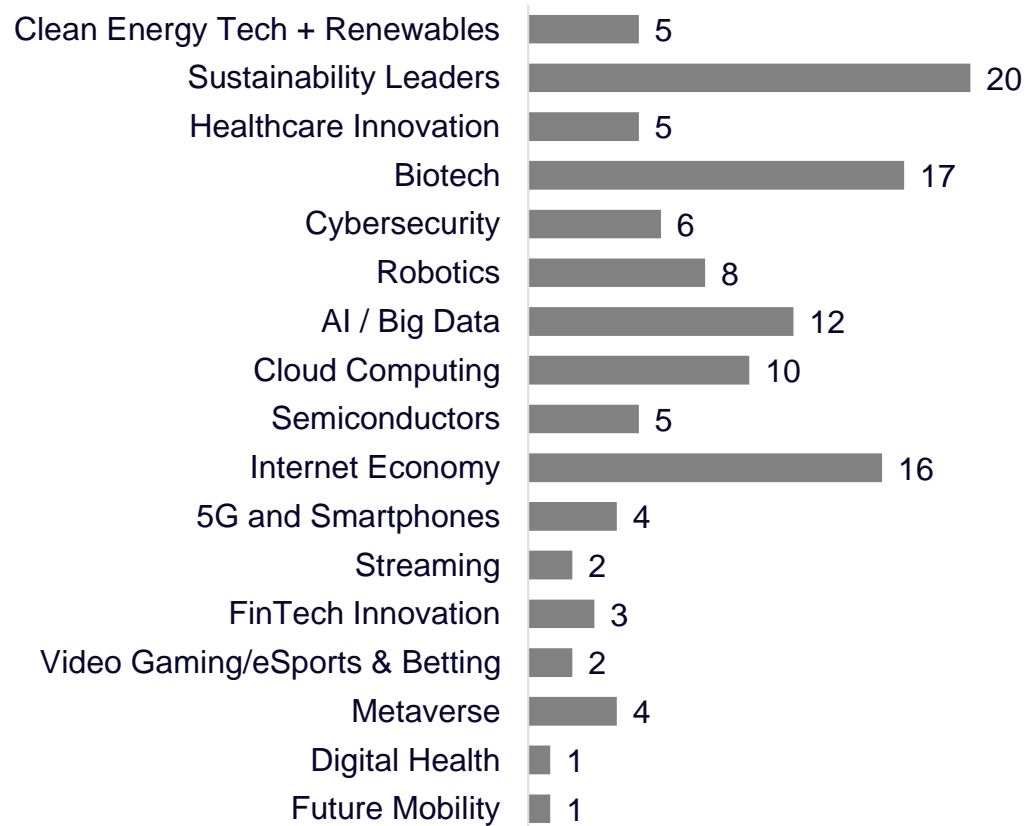
Source: Nasdaq, FactSet. Data as of 3/31/2025.

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

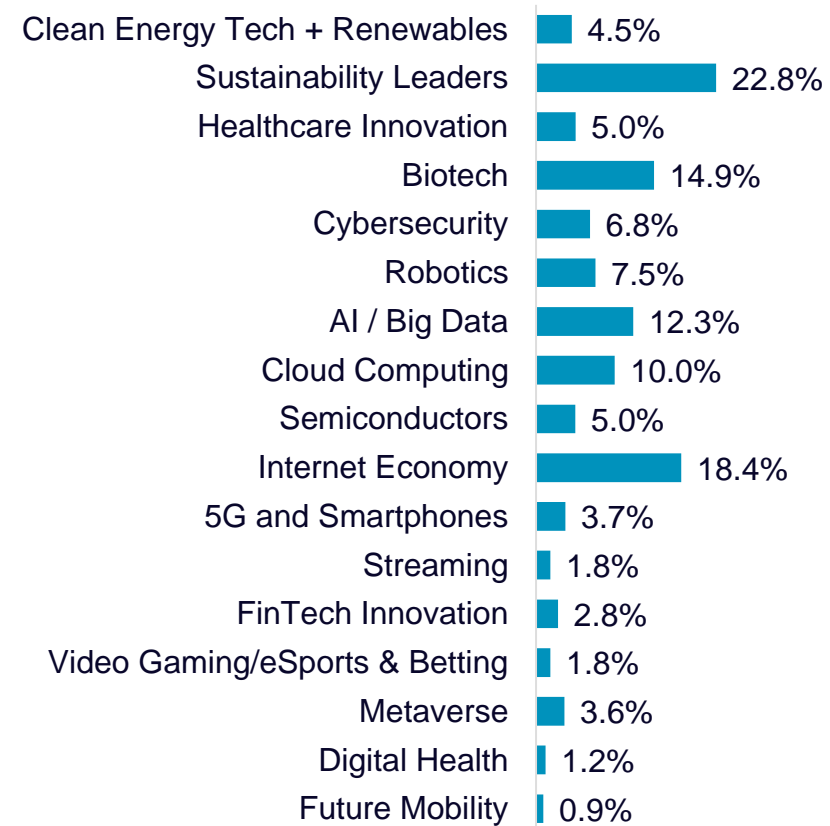
March 2025 Reconstitution

Nasdaq Next Generation 100 by Thematic Exposures

of Constituents per Theme



Index Weight per Theme



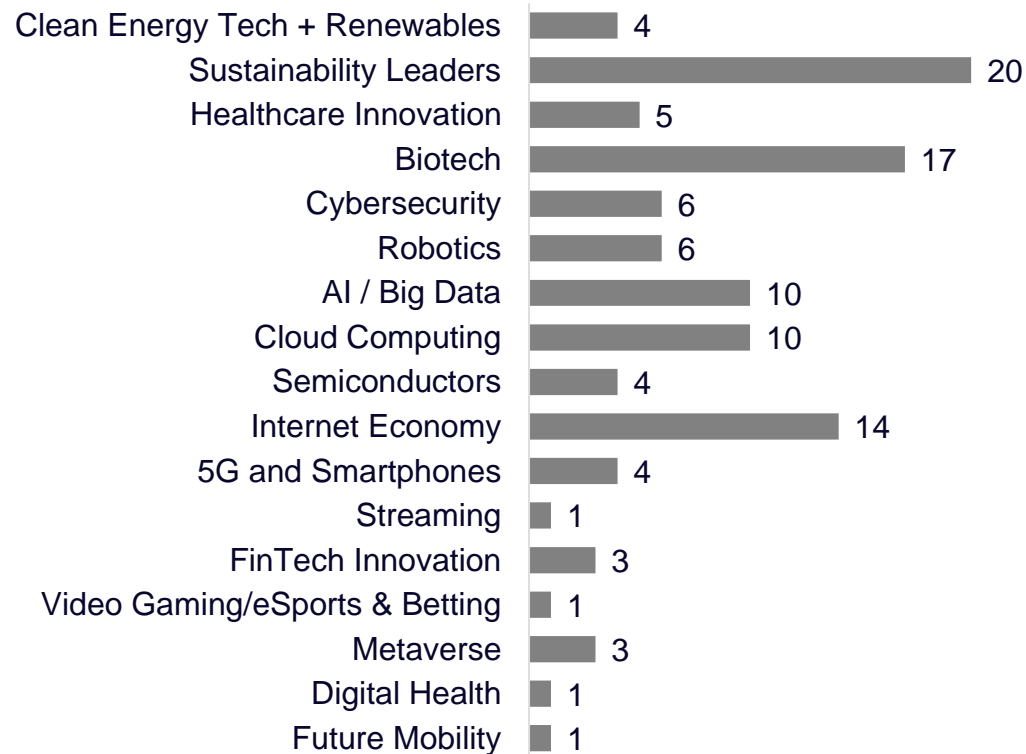
Source: Nasdaq, FactSet. Data as of 3/31/2025.

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

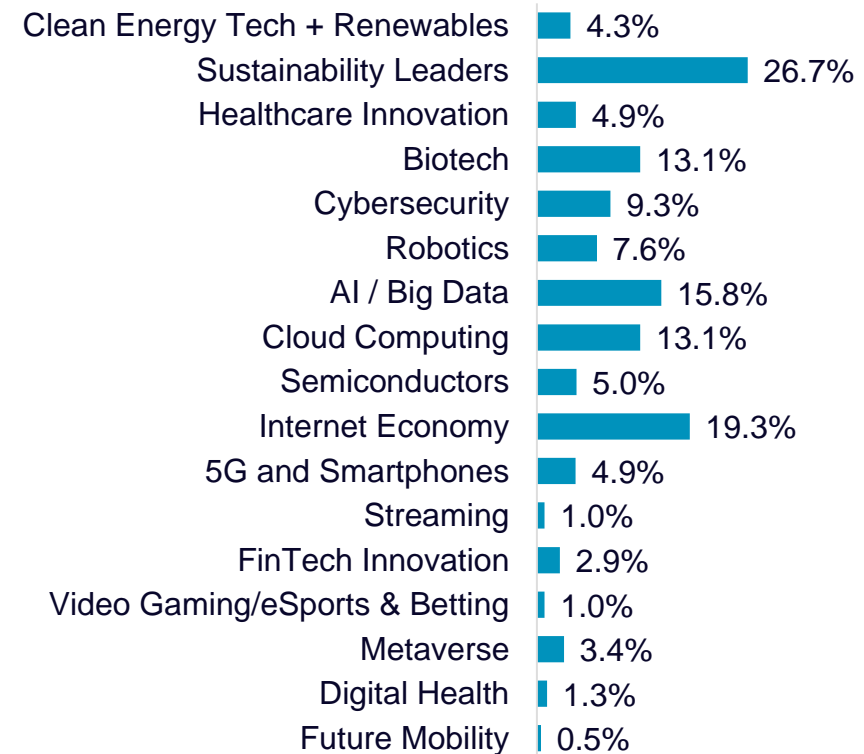
March 2025 Reconstitution

Nasdaq Next Generation 100 ESG by Thematic Exposures

of Constituents per Theme



Index Weight per Theme



Source: Nasdaq, FactSet. Data as of 3/31/2025.

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

March 2025 Reconstitution

Top 10 Largest Overweights: NDXESG vs. NDX

Symbol	Company Name	ICB Industry	Nasdaq-100 ESG Weight (%)	Nasdaq-100 Weight (%)	Weight Difference (%)
NVDA	NVIDIA	Technology	9.8	7.4	2.3
MSFT	Microsoft	Technology	9.9	7.9	2.0
AAPL	Apple	Technology	10.5	9.4	1.1
NFLX	Netflix	Consumer Discretionary	3.5	2.8	0.7
LIN	Linde	Basic Materials	2.2	1.5	0.7
CSCO	Cisco Systems	Telecommunications	2.4	1.7	0.7
AMD	AMD	Technology	1.6	1.2	0.5
QCOM	QUALCOMM	Technology	1.6	1.2	0.4
ADBE	Adobe	Technology	1.5	1.2	0.4
AMAT	Applied Materials	Technology	1.2	0.8	0.4

March 2025 Reconstitution

Top 10 Largest Underweights: NDXESG vs. NDX

Symbol	Company Name	ICB Industry	Nasdaq-100 ESG Weight (%)	Nasdaq-100 Weight (%)	Weight Difference (%)
META	Meta Platforms	Technology	1.3	3.6	-2.2
AMZN	Amazon.com	Consumer Discretionary	3.7	5.7	-1.9
COST	Costco Wholesale	Consumer Discretionary	1.6	2.9	-1.3
TSLA	Tesla	Consumer Discretionary	2.1	2.7	-0.6
GOOGL	Alphabet	Technology	2.0	2.5	-0.6
GOOG	Alphabet	Technology	1.9	2.4	-0.5
TMUS	T-Mobile US	Telecommunications	1.8	2.1	-0.3
MSTR	MicroStrategy	Technology	0.2	0.5	-0.3
MNST	Monster Beverage	Consumer Staples	0.1	0.4	-0.3
PDD	PDD Holdings	Technology	0.3	0.5	-0.2

March 2025 Reconstitution

Top 10 Largest Overweights: NGXESG vs. NGX

Symbol	Company Name	ICB Industry	NGXESG Weight (%)	NGX Weight (%)	Weight Difference (%)
TSCO	Tractor Supply	Consumer Discretionary	2.9	1.9	0.9
EBAY	eBay	Consumer Discretionary	2.9	2.1	0.8
TRMB	Trimble	Industrials	1.8	1.1	0.8
STX	Seagate Technology Holdings	Technology	1.9	1.2	0.7
FLEX	Flex Ltd	Technology	1.5	0.8	0.7
ZBRA	Zebra Technologies	Industrials	1.6	1.0	0.7
WDC	Western Digital	Technology	1.6	0.9	0.7
LOGI	Logitech International	Technology	1.5	0.8	0.6
OKTA	Okta	Technology	1.7	1.1	0.6
ZM	Zoom Communications	Technology	1.8	1.3	0.5

March 2025 Reconstitution

Top 10 Largest Underweights: NGXESG vs. NGX

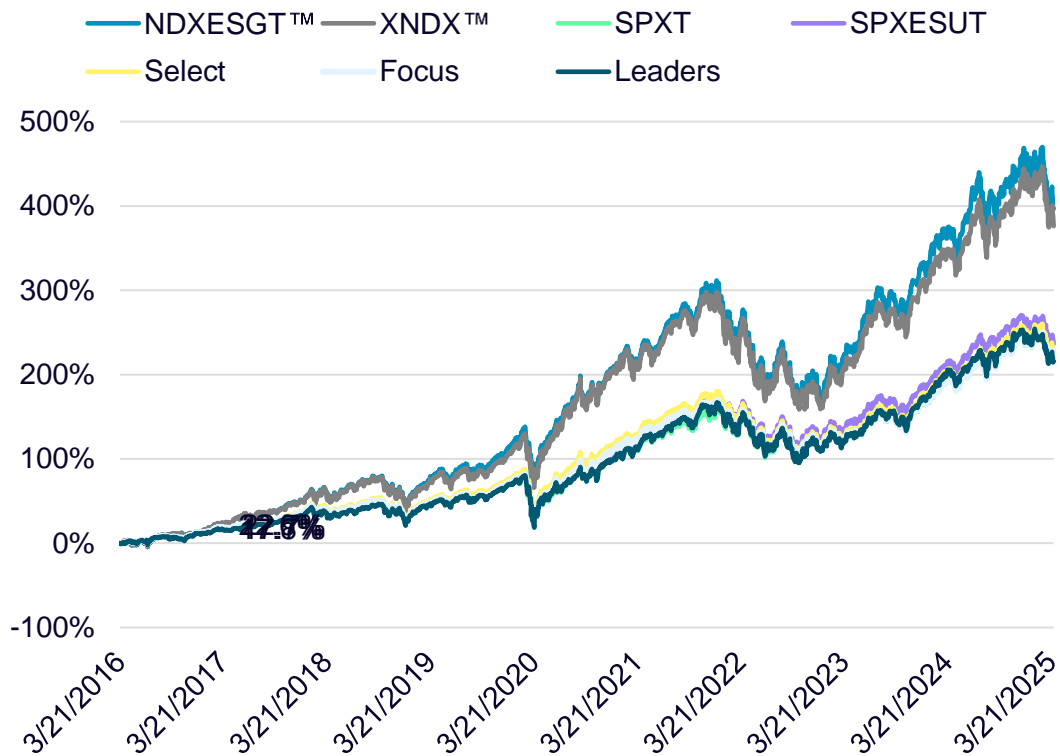
Symbol	Company Name	ICB Industry	NGXESG Weight (%)	NGX Weight (%)	Weight Difference (%)
STLD	Steel Dynamics	Basic Materials	0.6	1.2	-0.6
ALNY	Alnylam Pharmaceuticals	Health Care	1.7	2.3	-0.6
NTRA	Natera	Health Care	0.7	1.3	-0.5
SRPT	Insmed	Health Care	0.4	0.9	-0.5
RIVN	Rivian Automotive	Consumer Discretionary	0.5	0.9	-0.4
UAL	United Airlines Holdings	Consumer Discretionary	1.1	1.5	-0.4
FTAI	FTAI Aviation	Industrials	0.4	0.8	-0.4
JD	JD.com	Consumer Discretionary	1.0	1.3	-0.3
RPRX	Vaxcyte	Health Care	0.1	0.3	-0.2
DUOL	Summit Therapeutics	Health Care	0.7	0.9	-0.2

March 2025 Reconstitution

Performance – NDXESG vs. NDX

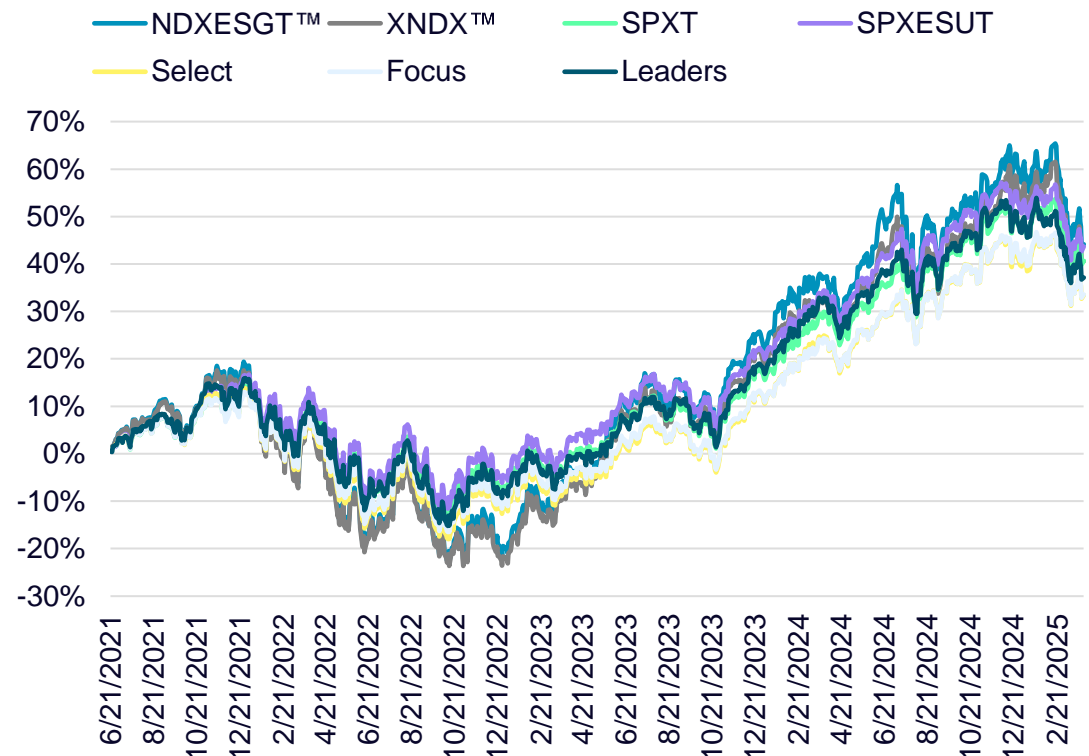
Since Beginning of NDXESG Backtest

3/21/2016 – 03/31/2025



Since NDXESG Inception

6/21/2021 – 03/31/2025

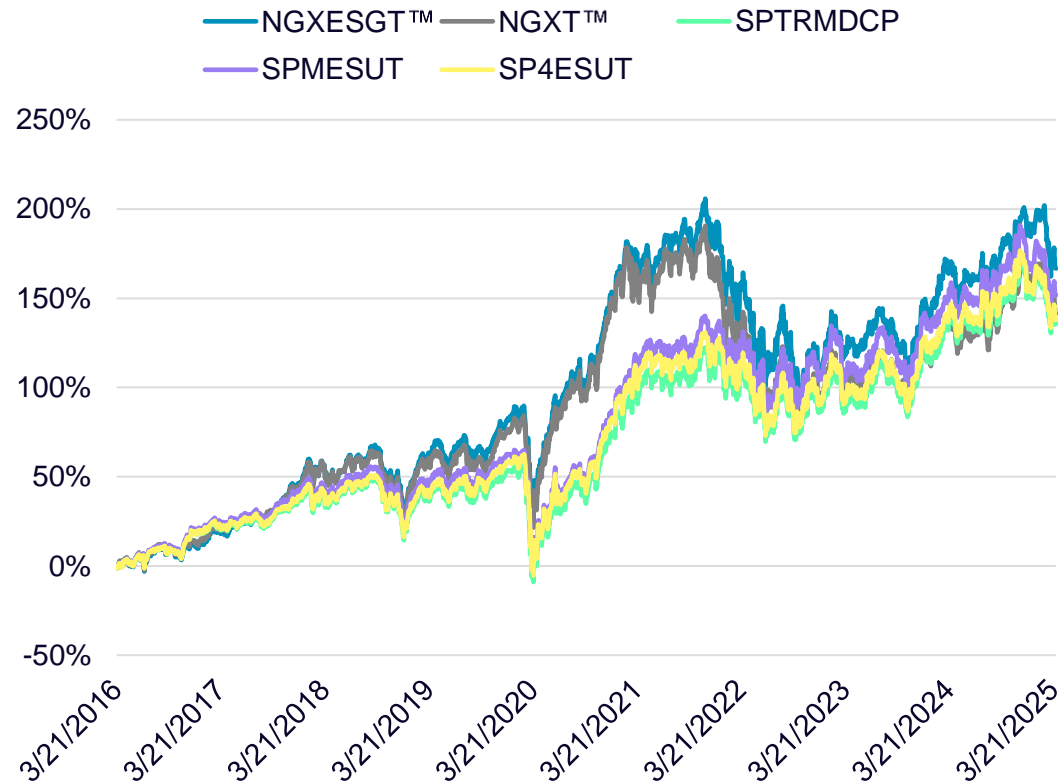


March 2025 Reconstitution

Performance – NGXESG vs. NGX

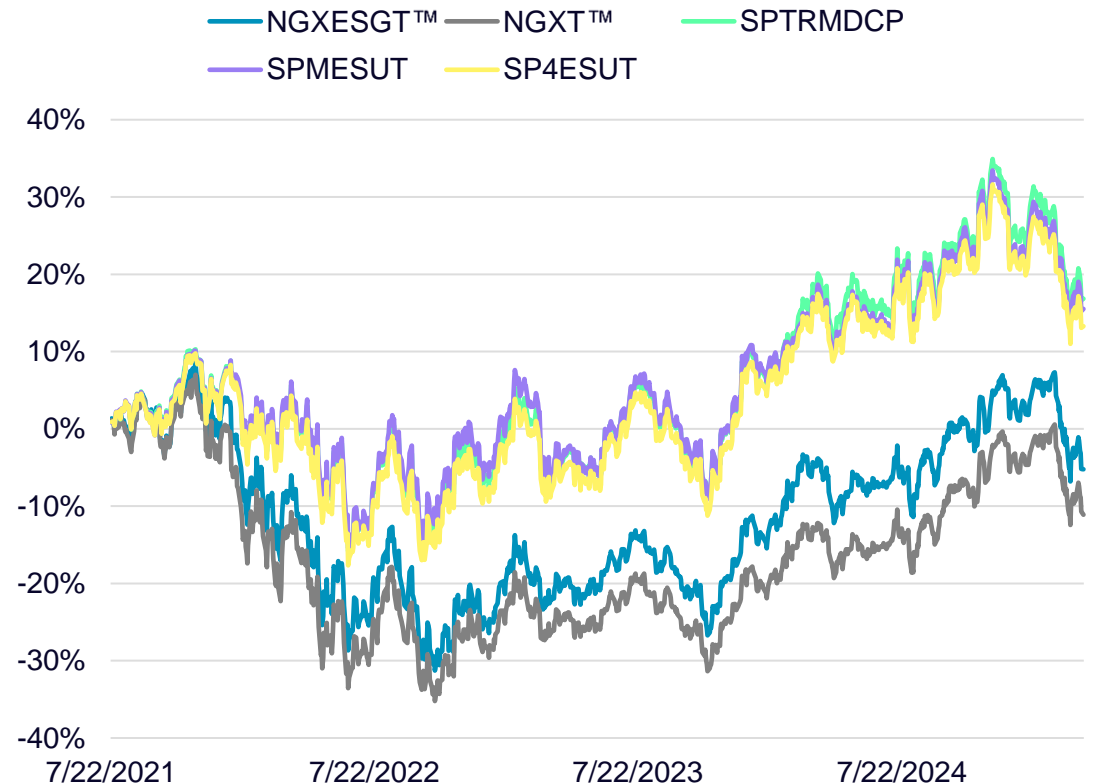
Since Beginning of NGXESG Backtest

3/21/2016 – 03/31/2025



Since NGXESG Inception

7/22/2021 – 03/31/2025



March 2025 Reconstitution

ESG Comparisons – NDXESG vs. NDX

Index Name	Benchmark	# of Securities	% Exclusion from the Benchmark	Sustainalytics ESG Risk Score	
				Weighted Average	Simple Average
Nasdaq-100 Index®	--	101	n/a	19.5	19.8
Nasdaq-100 ESG™ Index	Nasdaq-100®	91	10%	18.9	18.1
MSCI USA Index	--	577	n/a	20.8	21.1
MSCI USA Extended ESG Focus Index	MSCI USA	285	51%	20.1	20.3
MSCI USA Extended ESG Leaders Index	MSCI USA	289	50%	19.3	18.9
MSCI USA ESG Universal Select Business Screens Index	MSCI USA	538	7%	20.3	19.7
S&P 500 Index	--	504	n/a	20.8	21.0
S&P 500 ESG Index	S&P 500	314	38%	20.0	20.3

March 2025 Reconstitution

ESG Comparisons – NGXESG vs. NGX

Index Name	Benchmark Index	# of Securities	% Exclusion from the Benchmark	Sustainalytics ESG Risk Score	
				Weighted Average	Simple Average
Nasdaq Next Generation 100™ Index	--	107	--	21.2	20.7
Nasdaq Next Generation ESG 100™ Index	Nasdaq Next Generation 100™	91	15%	19.9	18.0
S&P MidCap 400 Index	--	398	--	22.5	22.3
S&P MidCap 400 Sustainability Screened Index	S&P MidCap 400	356	11%	21.6	21.6
S&P MidCap 400 ESG Index	S&P MidCap 400	262	34%	21.2	21.4



Data as of 03/31/2025.

Source: Nasdaq Global Indexes, Sustainalytics, FactSet, Bloomberg.

RESOURCES



RESOURCES

Nasdaq-100 ESG Index (NDXESG)

- Overview
 - <https://indexes.nasdaqomx.com/Index/Overview/NDXESG>
- 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: <https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20-%20NDXESG.pdf>
 - NDX: <https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20-%20NDX.pdf>

RESOURCES

Nasdaq Next Generation 100 ESG Index (NGXESG)

- Overview
 - <https://indexes.nasdaqomx.com/Index/Overview/NGXESG>
- Methodology
 - https://indexes.nasdaqomx.com/docs/methodology_NGXESG.pdf
- Research
 - https://indexes.nasdaqomx.com/docs/NGXESG_Research.pdf
- Fact Sheet
 - https://indexes.nasdaqomx.com/docs/FS_NGXESGT.pdf
- Carbon Credit Report
 - NGXESG: <https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20-%20NGXESG.pdf>
 - NGX: <https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20-%20NGX.pdf>

APPENDIX

APPENDIX

NDXESG / NGXESG 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 / NGXESG 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 / NGXESG Exclusions 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.
 - <https://www.unglobalcompact.org/what-is-gc/mission/principles>
- Securities are excluded from NDXESG/NGXESG 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 / NGXESG Exclusions 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 / NGXESG Weighting Scheme

$$ESG \text{ Risk – Adjusted NDX Market Value} = \frac{40 - ESG \text{ Risk Rating Score}}{40} \times NDX \text{ Market Value}$$

- 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.
- (All the above applies for NGX and NGXESG, as well.)

APPENDIX

NDXESG / NGXESG Weighting Scheme – continued

For Illustrative Purposes Only.

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

Security	Parent Index Market Value	ESG Risk Rating Score	(40-ESG Risk Rating Score)/40	ESG Adjusted Market Value	Weight in ESG Index (before capping)	Weight in Parent Index	ESG Excess Weight
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%

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