



Full Year and Fourth Quarter 2022

EARNINGS PRESENTATION

January 31, 2023

Forward-Looking Statements

- This earnings presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, including without limitation, MSCI's full-year 2023 guidance. These forward-looking statements relate to future events or to future financial performance and involve known and unknown risks, uncertainties and other factors that may cause our actual results, levels of activity, performance or achievements to be materially different from any future results, levels of activity, performance or achievements expressed or implied by these statements. In some cases, you can identify forward-looking statements by the use of words such as "may," "could," "expect," "intend," "plan," "seek," "anticipate," "believe," "estimate," "predict," "potential" or "continue," or the negative of these terms or other comparable terminology. You should not place undue reliance on forward-looking statements because they involve known and unknown risks, uncertainties and other factors that are, in some cases, beyond MSCI's control and that could materially affect actual results, levels of activity, performance or achievements.
- Other factors that could materially affect actual results, levels of activity, performance or achievements can be found in MSCI's Annual Report on Form 10-K for the fiscal year ended December 31, 2021, filed with the Securities and Exchange Commission ("SEC") on February 11, 2022, and in quarterly reports on Form 10-Q and current reports on Form 8-K filed or furnished with the SEC. If any of these risks or uncertainties materialize, or if MSCI's underlying assumptions prove to be incorrect, actual results may vary significantly from what MSCI projected. Any forward-looking statement in this earnings presentation reflects MSCI's current views with respect to future events and is subject to these and other risks, uncertainties and assumptions relating to MSCI's operations, results of operations, growth strategy and liquidity. MSCI assumes no obligation to publicly update or revise these forward-looking statements for any reason, whether as a result of new information, future events, or otherwise, except as required by law.

Other Information

- Percentage changes and totals in this earnings presentation may not sum due to rounding.
- Percentage changes refer to the comparable period in 2021, unless otherwise noted.
- All financial figures for the three months and year ended December 31, 2022 are unaudited unless otherwise noted.
- Foreign currency exchange rate fluctuations reflect the difference between the current period results as reported compared to the current period results recalculated using the foreign currency exchange rates in effect for the comparable prior period. While operating revenues adjusted for the impact of foreign currency fluctuations includes asset-based fees that have been adjusted for the impact of foreign currency fluctuations, the underlying assets under management (“AUM”), which is the primary component of asset-based fees, is not adjusted for foreign currency fluctuations. Approximately three-fifths of the AUM is invested in securities denominated in currencies other than the U.S. dollar, and accordingly, any such impact is excluded from the disclosed foreign currency-adjusted variances.

MSCI Fourth Quarter 2022 Earnings Call Participants



Henry Fernandez
Chairman & CEO



Baer Pettit
President & COO

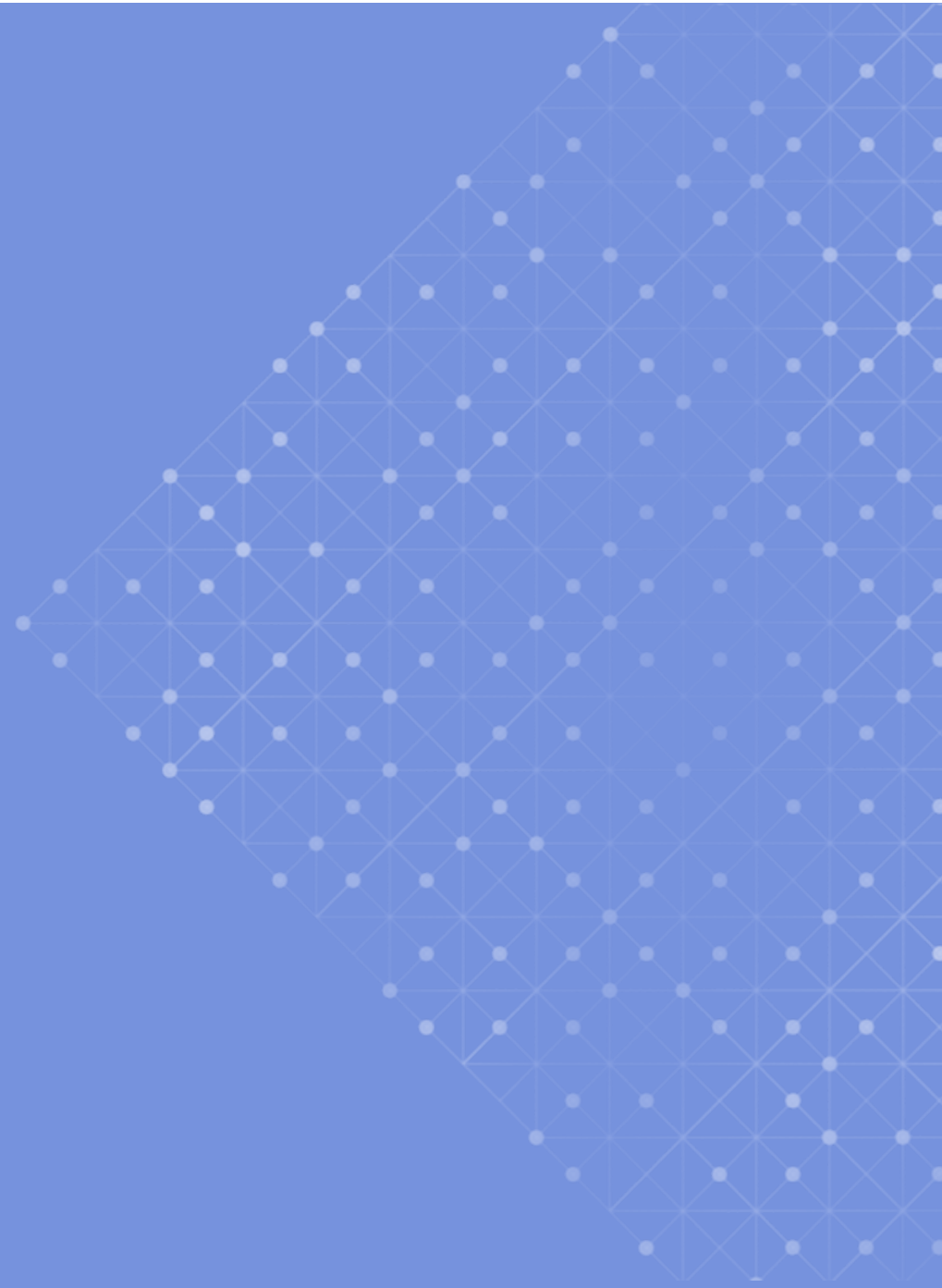


Andy Wiechmann
Chief Financial Officer



Jeremy Ulan
Head of IR & Treasurer

Financial & Strategic Highlights



4Q22 and FY22 Financial Results Snapshot

Robust earnings growth reflecting all weather franchise

4Q22 Operating Revenues
(reported)

+5%

4Q22 Adjusted EBITDA
Margin (+80 bps)

+58.8%

FY22 Free Cash Flow

\$1,022M

4Q22 Operating Revenues
(organic)

+7%

4Q22 Operating
Margin (+260 bps)

+53.6%

FY22 Net cash provided by
operating activities

\$1,095M

4Q22 Adjusted EPS

+13%

As of December 31, 2022
Subscription Run Rate
Growth (reported)

+12%

4Q22 Adjusted
EBITDA Growth

+6%

4Q22 Value of Shares
Repurchased

\$70M

4Q22 Diluted EPS

+15%

As of December 31, 2022
Subscription Run Rate
Growth (organic)

+13%

4Q22 Operating
Income Growth

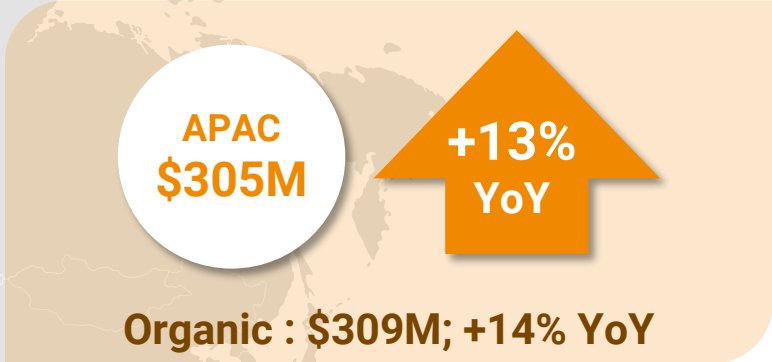
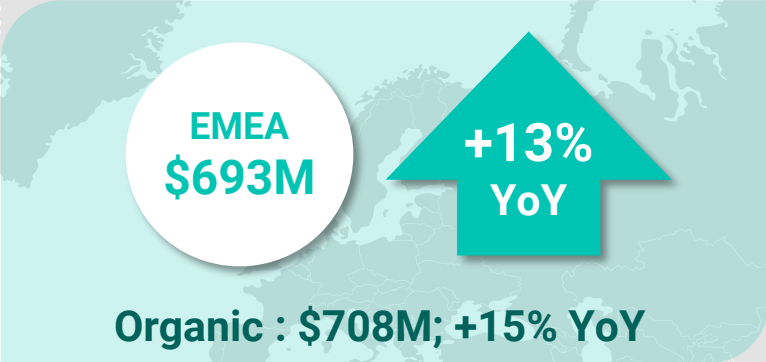
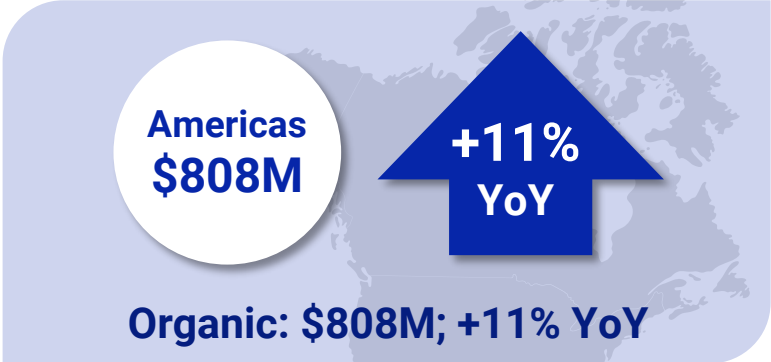
+10%

Shares Repurchased in 4Q22
at average price of \$430.07

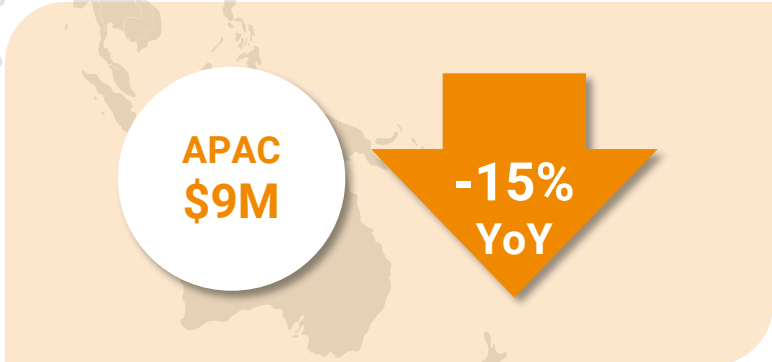
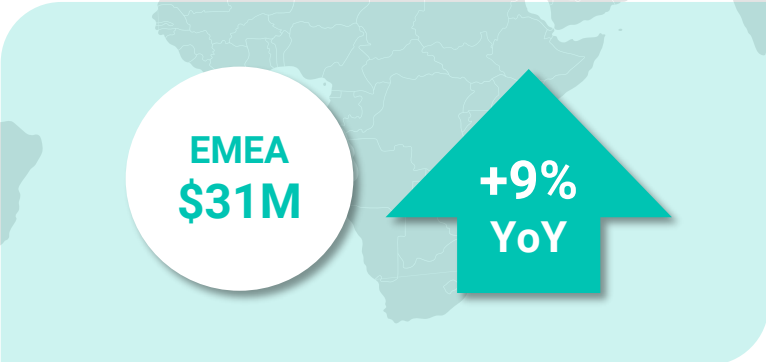
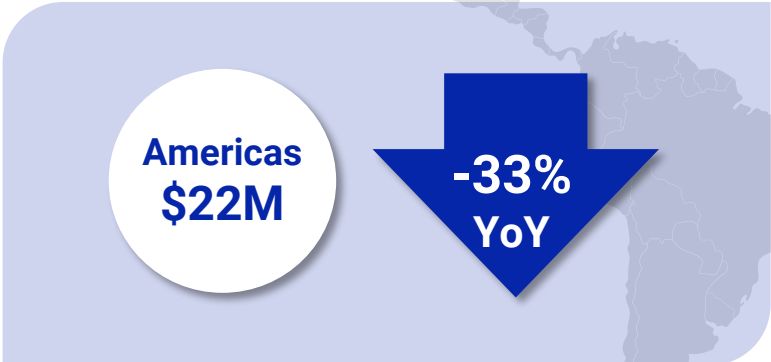
163,064

Strong Performance Across Regions

4Q22 Subscription Run Rate by Region

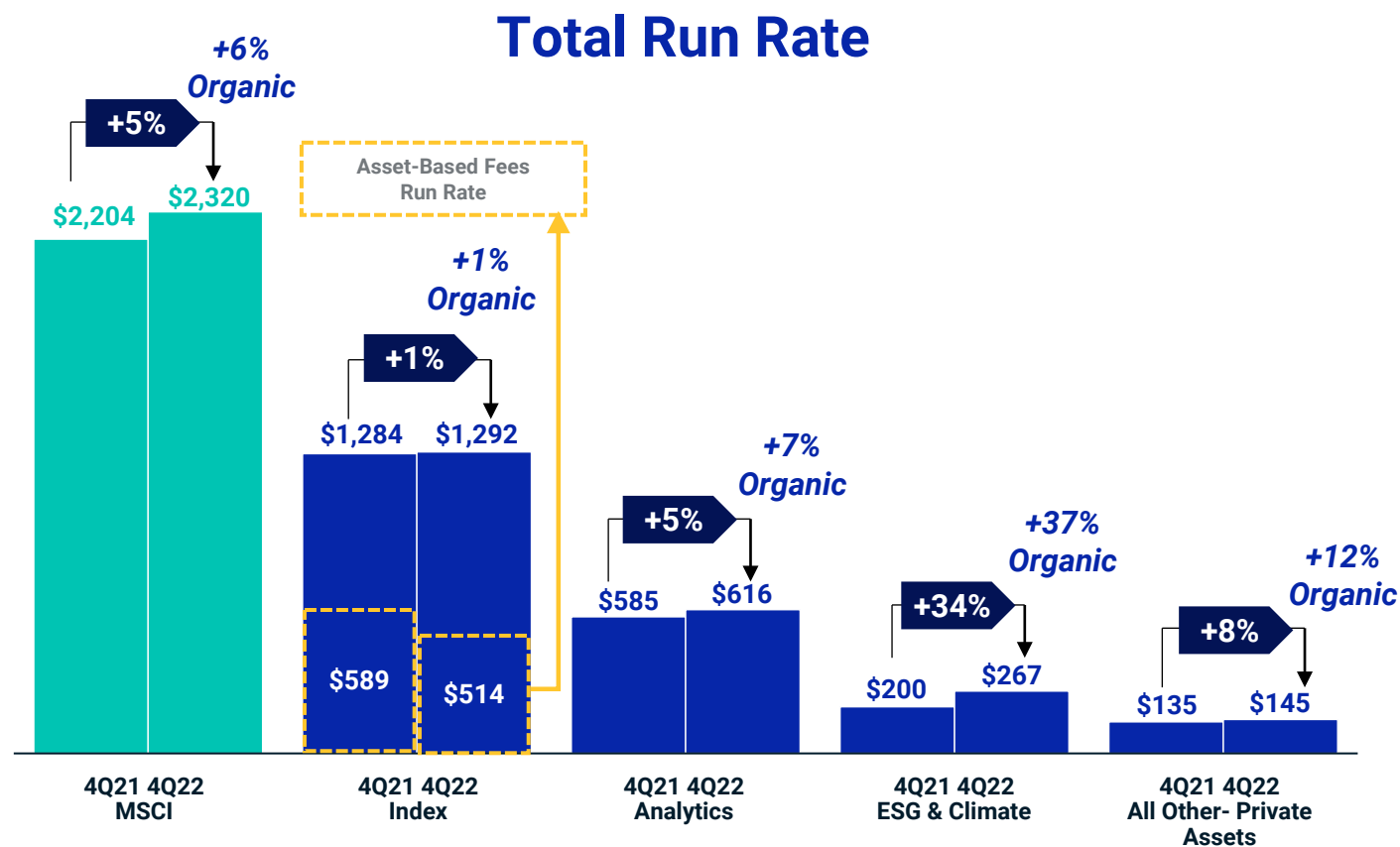


4Q22 Recurring Net New Subscription Sales by Region



4Q22 Operating Highlights

(US\$ in millions)



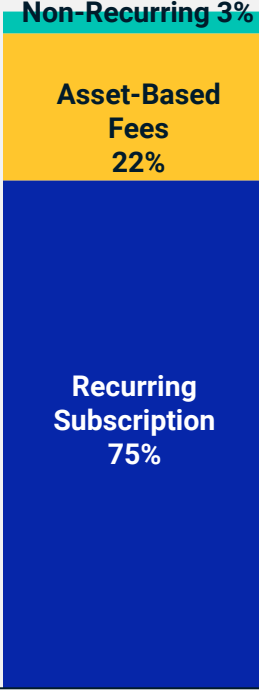
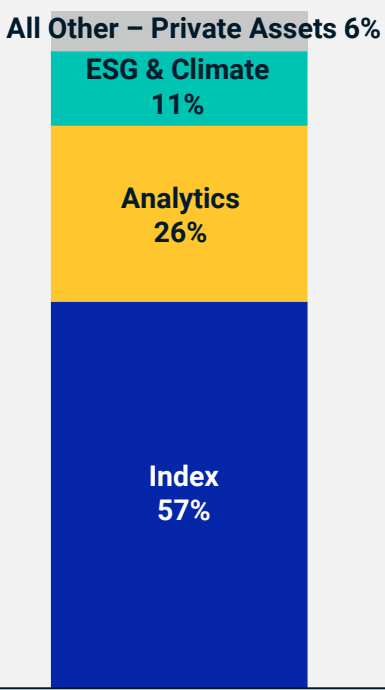
- **\$2.3B** of Total Run Rate across MSCI
- **36th consecutive quarter** of double-digit growth for **Index subscription run rate**.
- Quarterly Retention rate at 93%
- **Double digit growth** in Subscription Run Rates for Asset Managers, Banking & Trading, Hedge Funds and Wealth categories.
- **Double Digit** Subscription Run Rate growth across all regions
- **High Single Digit** New recurring subscription sales growth in EMEA (9%), offset by the decrease in other regions.

Significant Recurring Revenue Model with Global Client Base

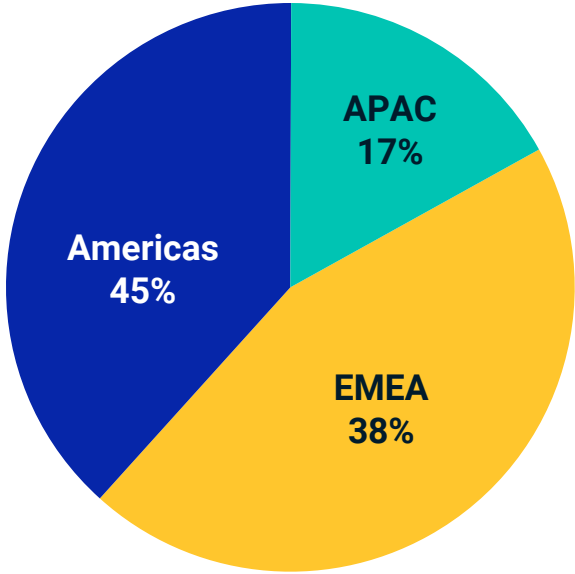
Operating Revenues Mix
Quarter Ended 12/31/2022

by Segment

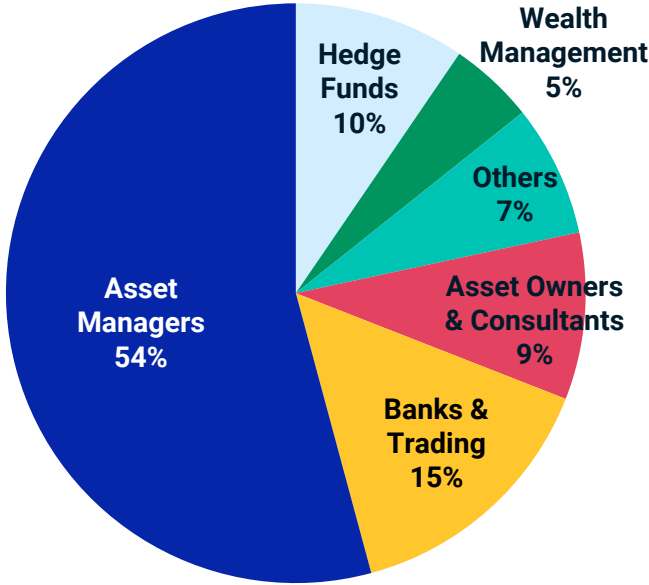
by Type



MSCI Subscription Run Rate
as of 12/31/2022 by Geography



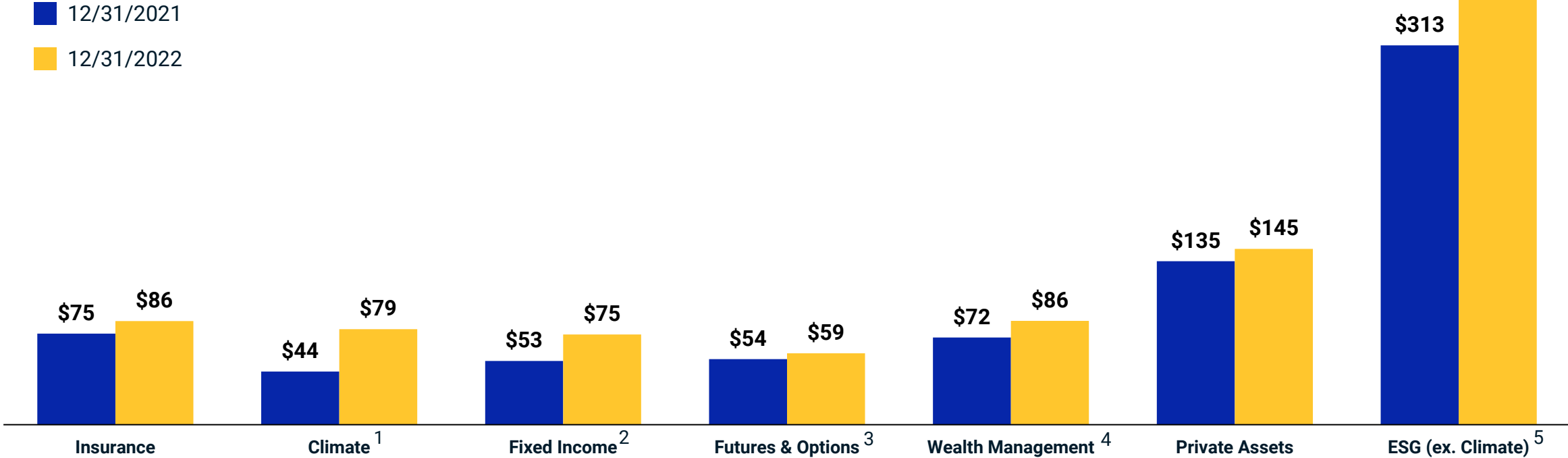
MSCI Subscription Run Rate
as of 12/31/2022 by Client Base



Significant Demand and Growth Across Large Emerging Opportunities

Run Rate

(US\$ in millions)



Expanding in attractive additional addressable markets



Note: Run Rate totals may include overlap between different client segments. ¹Includes Climate run rate reported in Index, ESG & Climate, Analytics and Private Asset segments. ²Excludes Analytics Enterprise Risk & Performance. ³Listed only. ⁴Represents total subscription run rate from wealth management client base. ⁵Includes ESG (ex. Climate) Research Run Rate, reported in the ESG & Climate, Analytics and Real Assets Segments, and ESG (ex. Climate) related Index subscription and asset-based fees Run Rate reported in the Index segment.

4Q22 Summary Financial Results

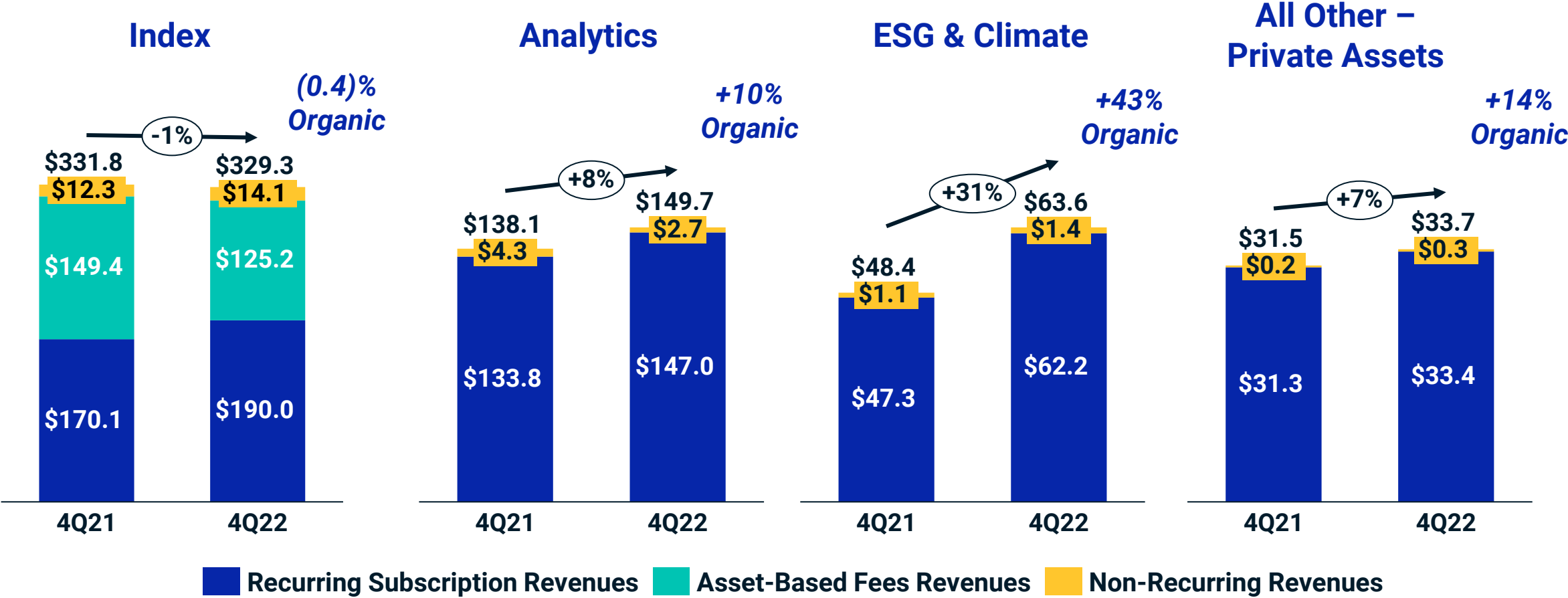
(US\$ in thousands, except per share data)

For the Three Months Ended
December 31,

(Unaudited)	2022	2021	YoY% Change
Operating revenues	\$ 576,208	\$ 549,842	4.8%
Operating income	\$ 308,750	\$ 280,587	10.0%
Operating margin %	53.6 %	51.0%	
Net income	\$ 214,971	\$ 193,865	10.9%
Diluted EPS	\$ 2.67	\$ 2.32	15.1%
Adjusted EPS	\$ 2.84	\$ 2.51	13.1%
Adjusted EBITDA	\$ 339,022	\$ 318,660	6.4%
Adjusted EBITDA margin %	58.8%	58.0%	

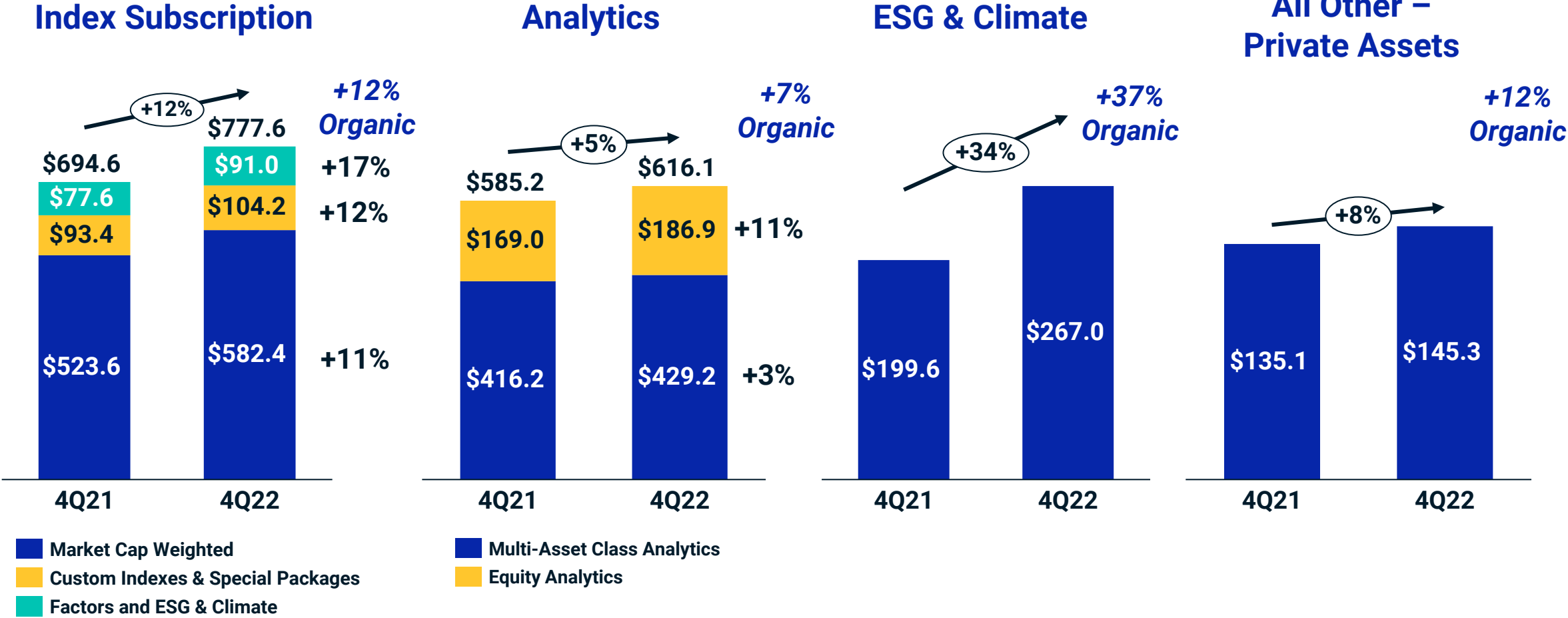
4Q22 Segment Operating Revenues

(US\$ in millions)



4Q22: Organic Subscription Run Rate Growth of 13%

(US\$ in millions)

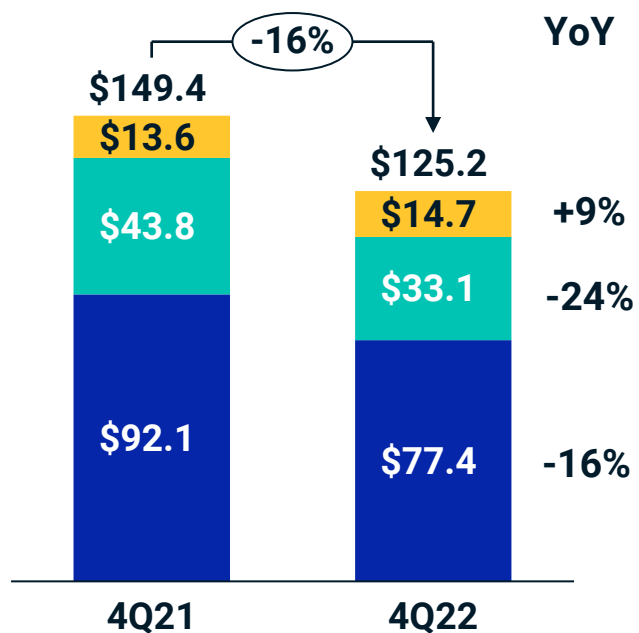


Index Segment: Asset-Based Fees Details

(US\$ in millions, except AUM in billions and Average BPS)

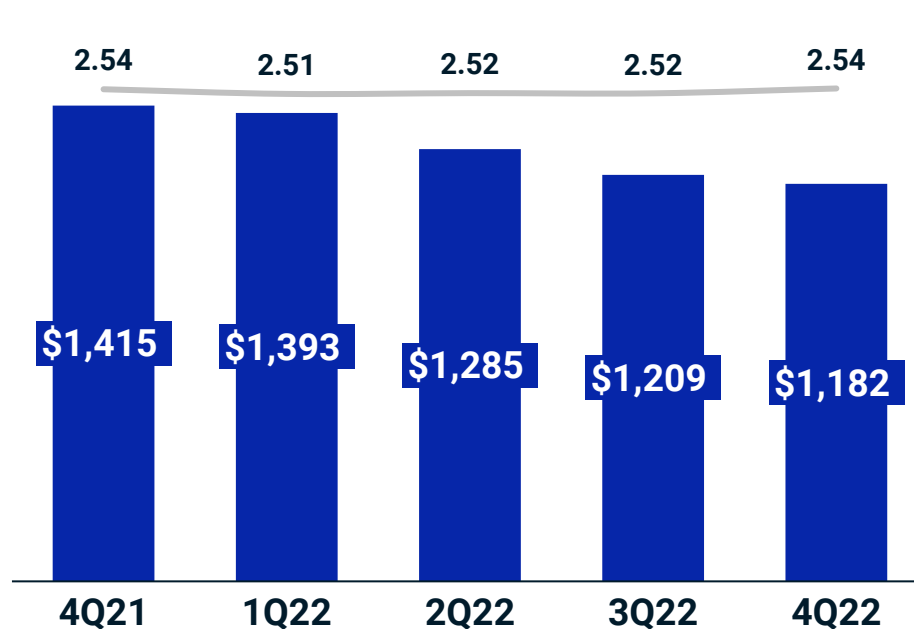
Asset-based Fees (ABF) Revenue

■ Futures & Options
■ Non-ETF
■ ETF



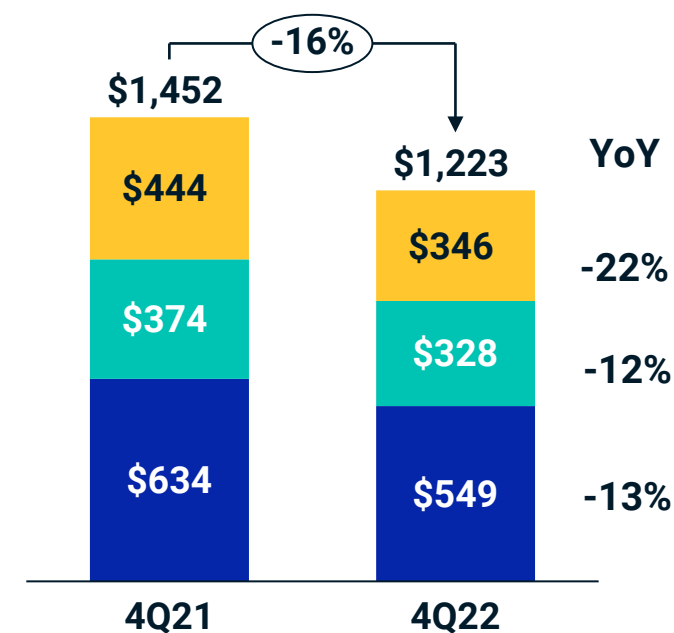
Quarterly Average AUM and Period-End Basis Point Fee¹ of ETFs linked to MSCI Equity Indexes

■ Average AUM
— Period-End Basis Point Fee



Quarter-End AUM by Market Exposure² of ETFs linked to MSCI Equity Indexes

■ US
■ EM
■ DM ex US



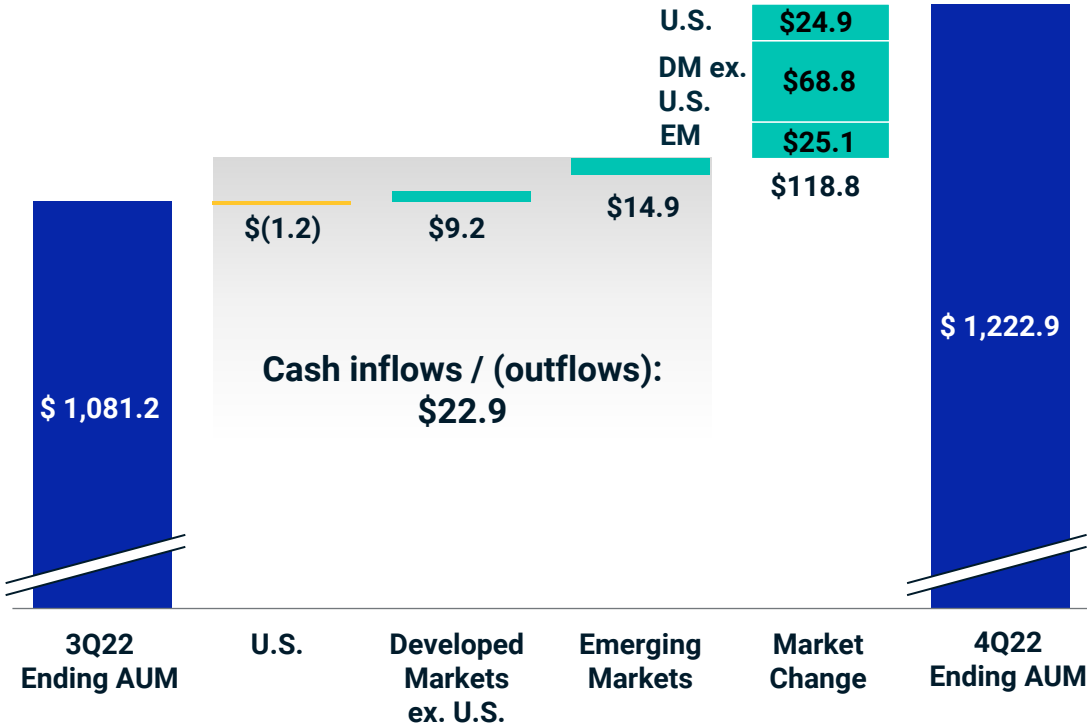
¹Based on period-end Run Rate for ETFs linked to MSCI equity indexes using period-end AUM. Please refer to Table 7: AUM in ETFs Linked to MSCI equity Indexes (unaudited) of the press release reporting MSCI's financial results for fourth quarter and full year 2022.

²US = ETFs linked to MSCI equity indexes, the majority of whose weight is comprised of securities in MSCI Developed Market (DM) countries, primarily or exclusively in the US; DM ex US = ETFs linked to MSCI equity indexes, the majority of whose weight is comprised of securities in MSCI DM countries other than the US; EM = ETFs linked to MSCI equity indexes, the majority of whose weight is comprised of securities that are not in MSCI DM countries. Note: The AUM in equity ETFs also includes AUM in Exchange Traded Notes, the value of which is less than 1% of the AUM amounts presented.

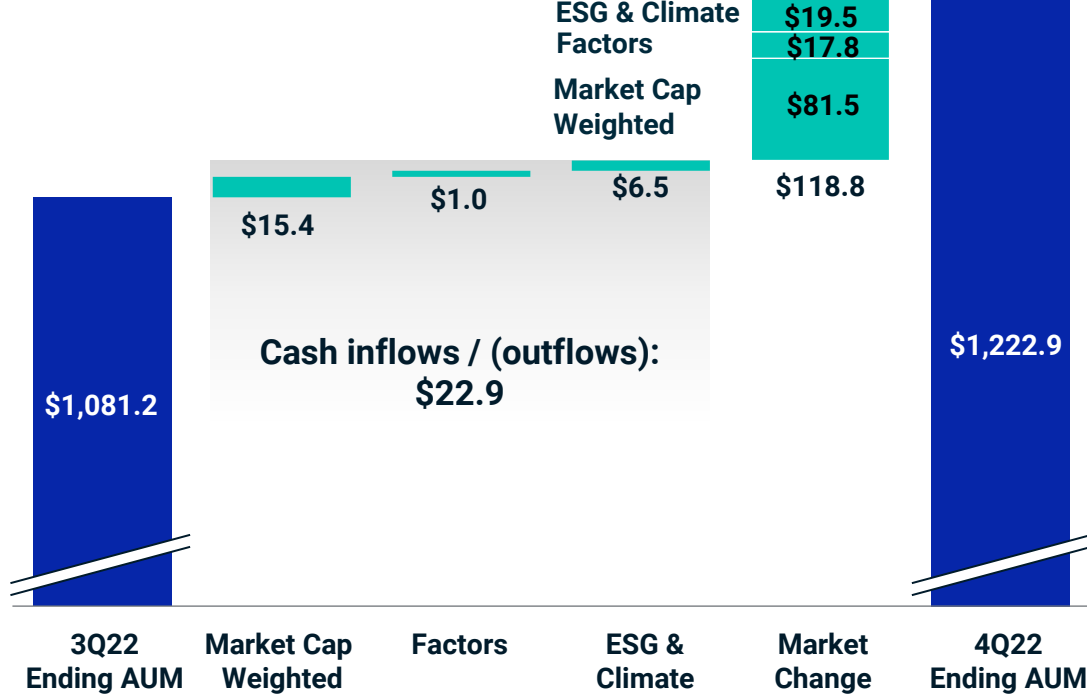
4Q22 QoQ AUM Drivers: MSCI-Linked Equity ETFs

(US\$ in billions)

By Geographic Exposure

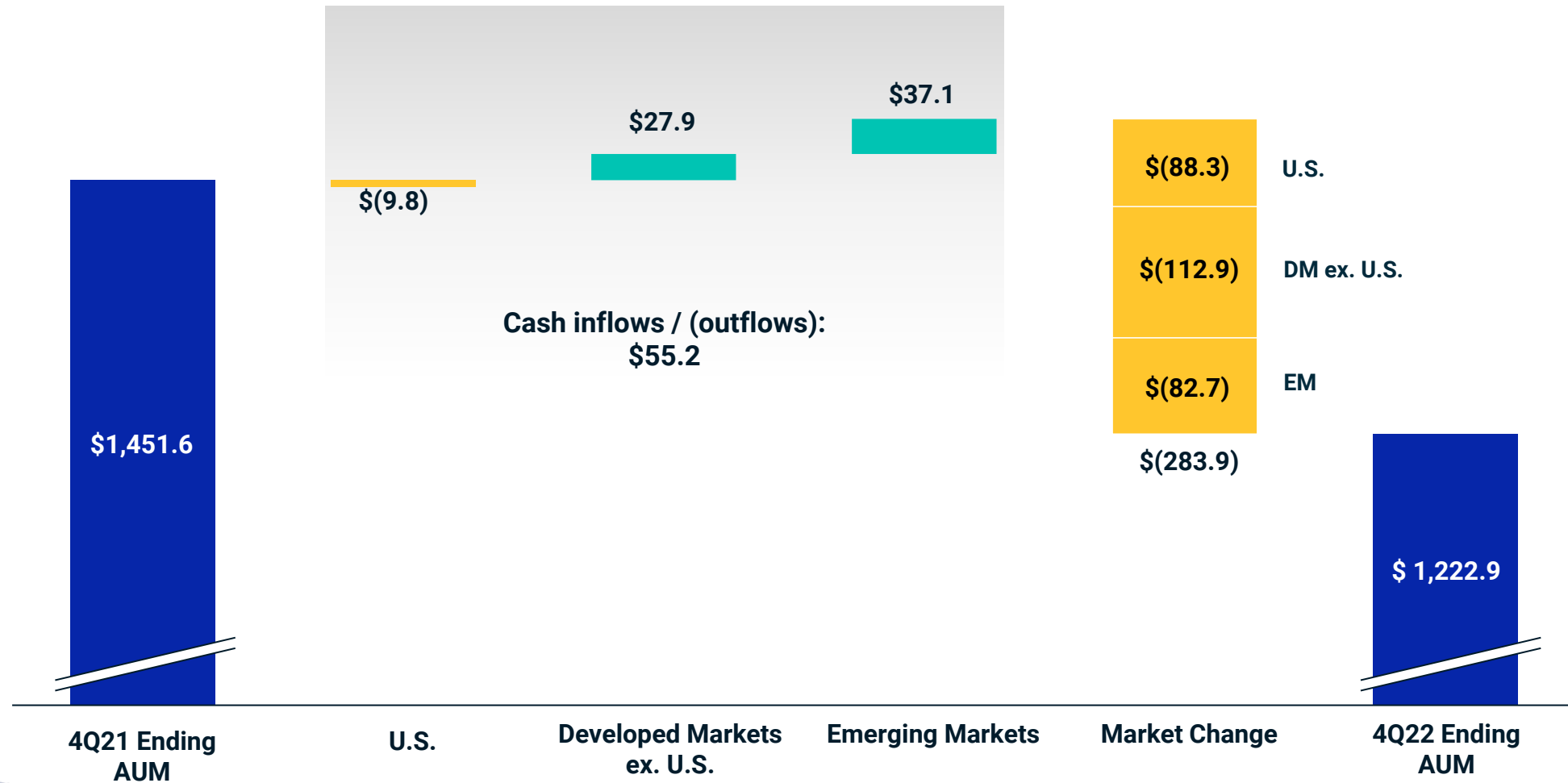


By Product



4Q22 YoY AUM Drivers: MSCI-Linked Equity ETFs

(US\$ in billions)



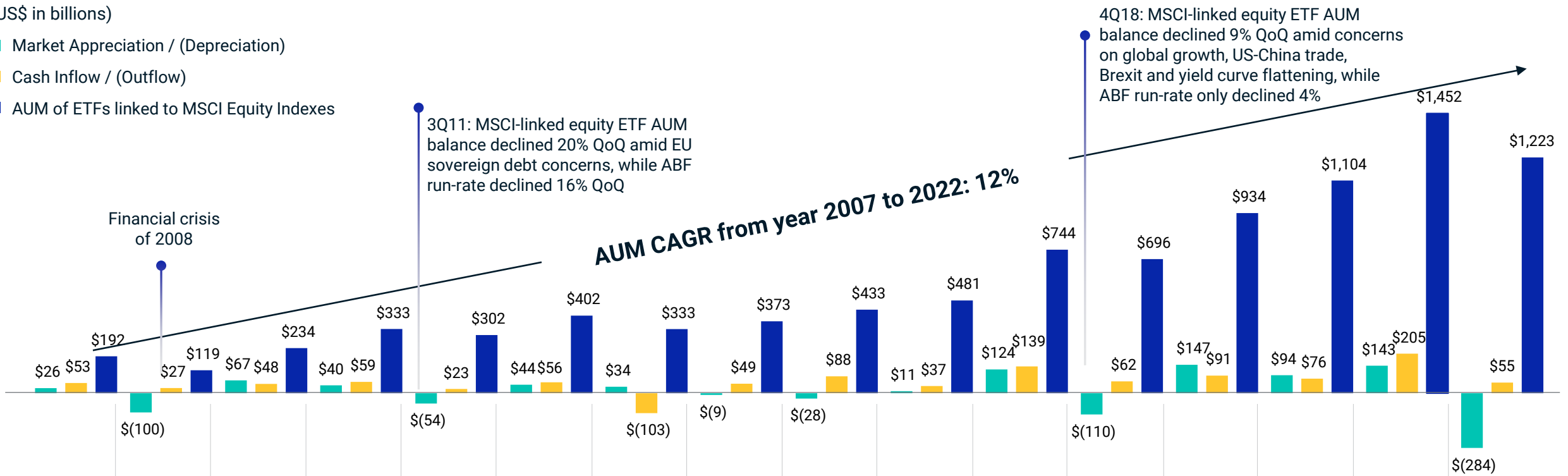
Market Movement Impacts AUM; Growth in F&O Helps Offset the Decrease

(US\$ in billions)

■ Market Appreciation / (Depreciation)

■ Cash Inflow / (Outflow)

■ AUM of ETFs linked to MSCI Equity Indexes



	2007 ¹	2008 ¹	2009 ¹	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
AUM YoY%	56%	(38%)	97%	42%	(10%)	33%	(17%)	12%	16%	11%	55%	(7%)	34%	18%	32%	(16%)
ABF RR YoY%	76%	(30%)	68%	22%	2%	6%	25%	10%	15%	8%	46%	(2%)	27%	17%	27%	(13%)

Positive annual cash inflows for all years in ETFs linked to MSCI indexes except 2013



¹ As of November fiscal year-end

Listed Futures & Options Linked to MSCI Indexes

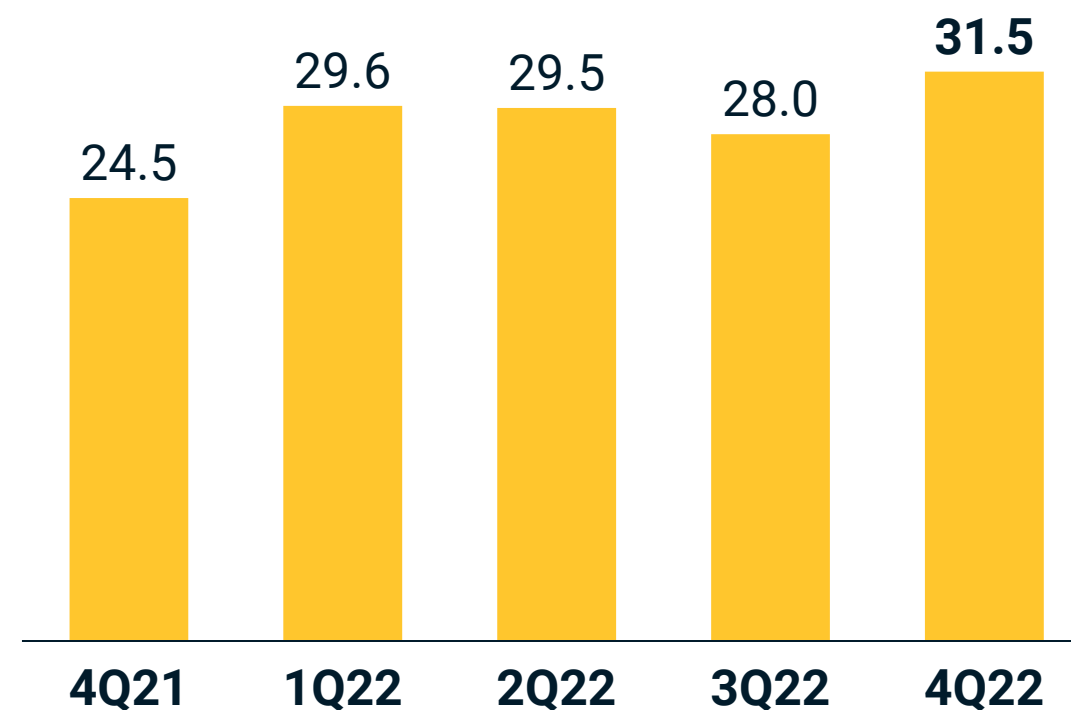
Run Rate From Listed Futures & Options Linked to MSCI Indexes

(US\$ in millions)



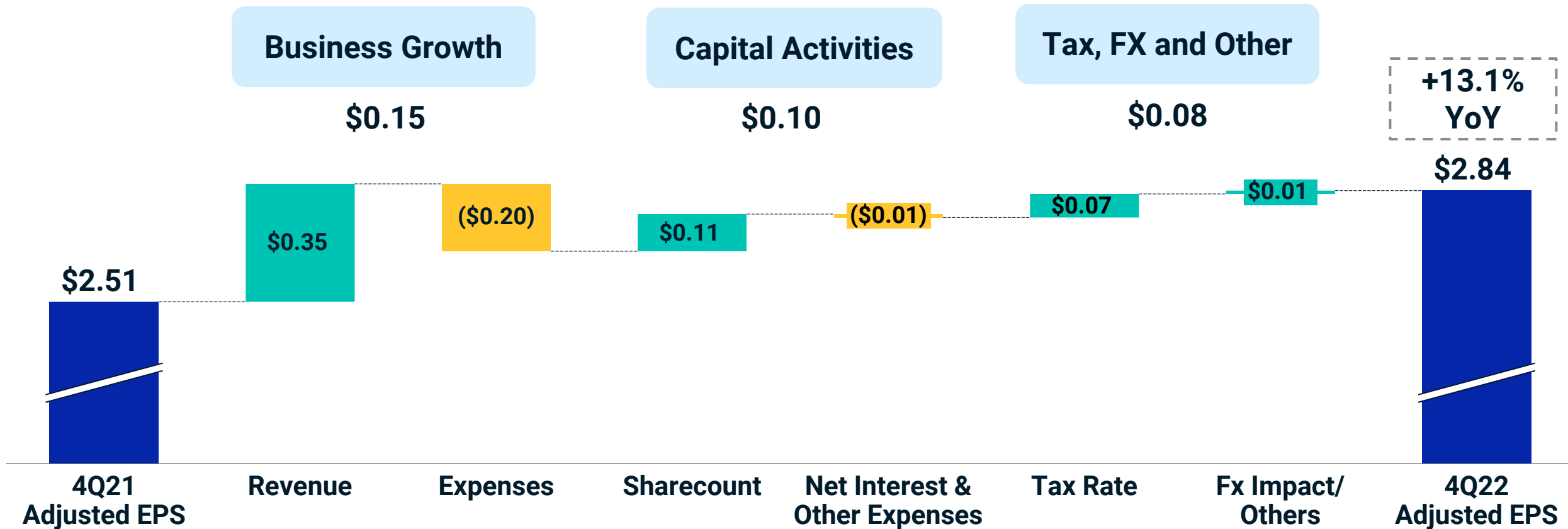
Futures & Options Volume Linked to MSCI Indexes

(in millions of contracts traded¹)



Adjusted Earnings Per Share Growth Drivers

(US\$ in per share amounts)



Strong Balance Sheet Provides Optionality

(US\$ in millions, unless otherwise noted)

Cash¹ and Debt as of 12/31/2022

Total Cash	\$994M
Total Debt ²	\$4,512M
Net Debt (total Debt less total cash)	\$3,518M
Total Debt / LTM Adjusted EBITDA	3.4x
Net Debt / LTM Adjusted EBITDA	2.6x

- In 4Q22, returned \$170M to shareholders through share repurchases of \$70M and quarterly dividends of approximately \$100M.
- Strong balance sheet provides optionality
 - Next maturity not until 2027
- Disciplined and consistent approach to capital deployment
 - Triple-Crown framework to evaluate internal opportunities and MP&A (mergers, partnerships and acquisitions)

Unsecured Debt Maturity Profile



Credit Ratings as of 01/31/2023:

	Moody's	S&P	Fitch
Outlook	Stable	Stable	Stable
Long-term issuer rating	Ba1	BB+	BBB-
Senior unsecured	Ba1	BB+	BBB-

Note: Credit ratings reflect the views of the different agencies and are not a recommendation to buy, sell or hold any security including our common stock or debt securities. These ratings are subject to periodic review and may be raised upward, downward or revoked at the sole discretion of the agencies.



¹MSCI typically seeks to maintain minimum cash balances globally of approximately \$225.0 million to \$275.0 million for general operating purposes

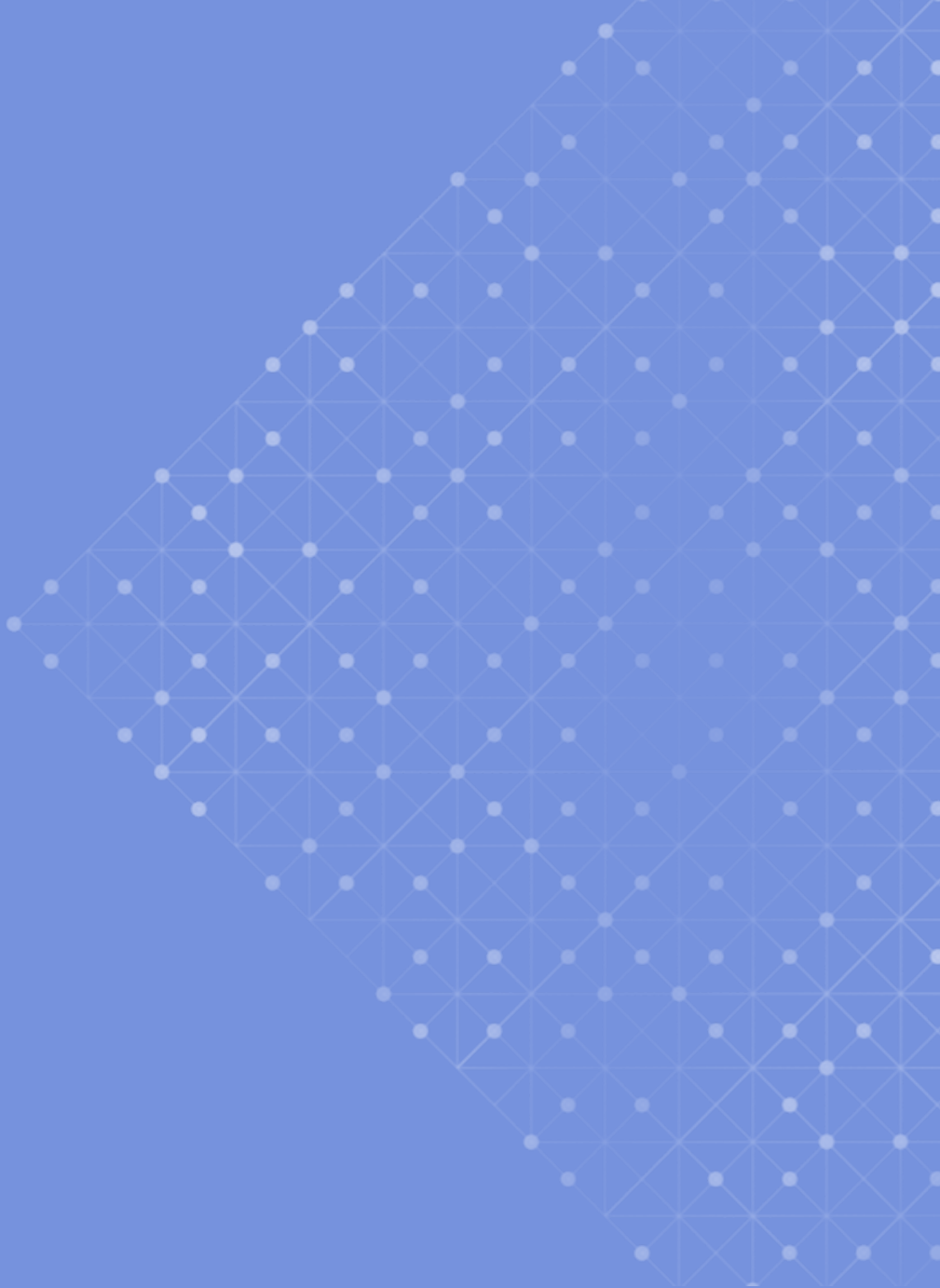
²Reflects gross debt, net of deferred financing fees and premium.

³Aggregate revolver commitments of \$500.0 million until February 2027. Reflects amendment to revolving credit agreement on June 9, 2022.

Full-Year 2023 Guidance

Full-Year 2023 Guidance Item	Current Guidance
Operating Expense	\$1,090 to \$1,130 million
Adjusted EBITDA Expense	\$965 to \$995 million
Interest Expense (including amortization of financing fees)	\$184 to \$187 million
Depreciation & Amortization Expense	\$125 to \$135 million
Effective Tax Rate	17.0% to 20.0%
Capital Expenditures	\$75 to \$85 million
Net Cash Provided by Operating Activities	\$1,145 to \$1,195 million
Free Cash Flow	\$1,060 to \$1,120 million

Q&A

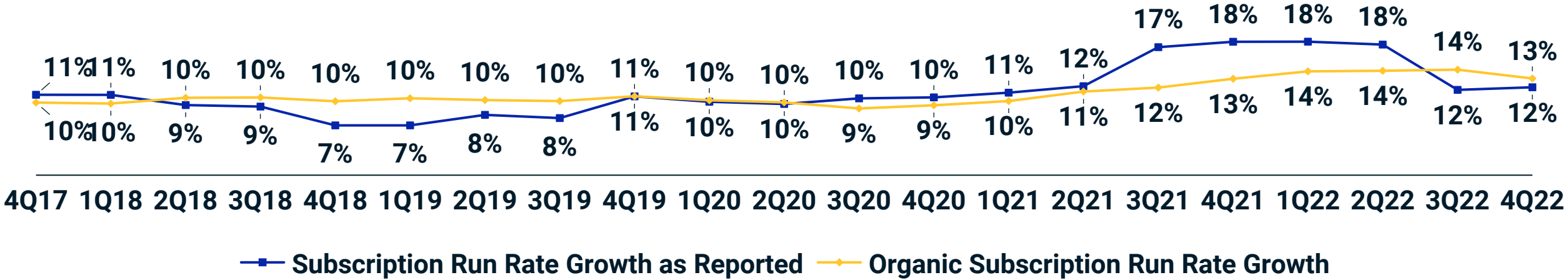


Additional Information

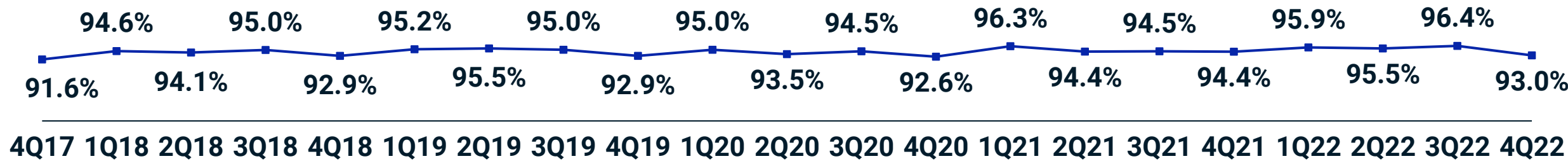


Continued Resilient Key Operating Metrics

YoY Subscription Run Rate Growth (as Reported and Organic)

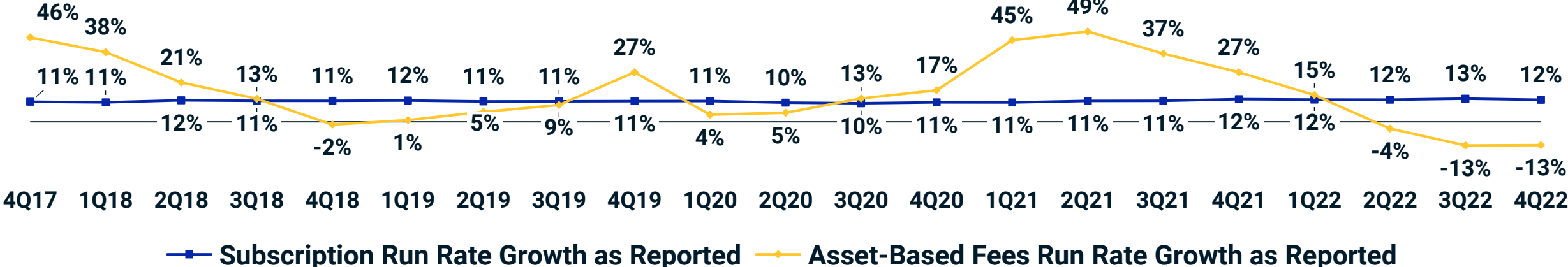


Quarterly Retention Rate Trends

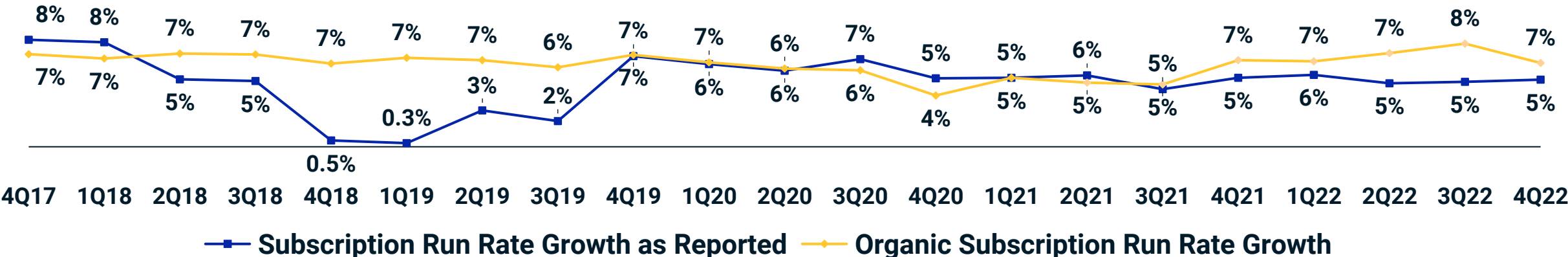


4Q17 to 4Q22 YoY Segment Run Rate Growth

Index

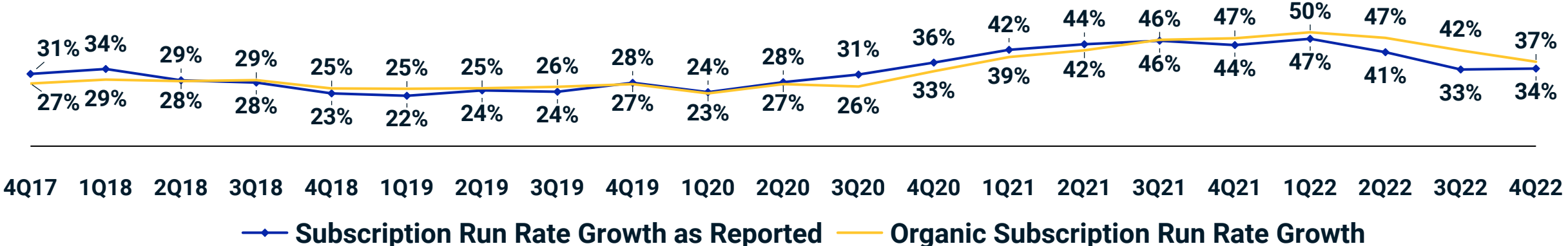


Analytics

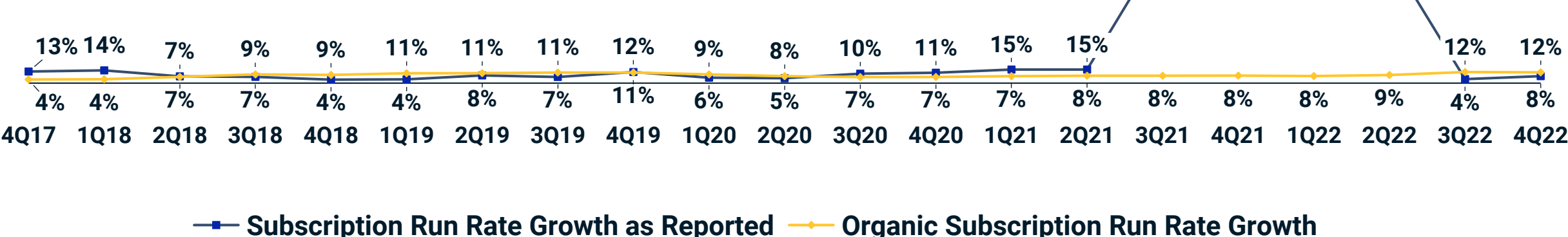


4Q17 to 4Q22 YoY Segment Run Rate Growth

ESG & Climate

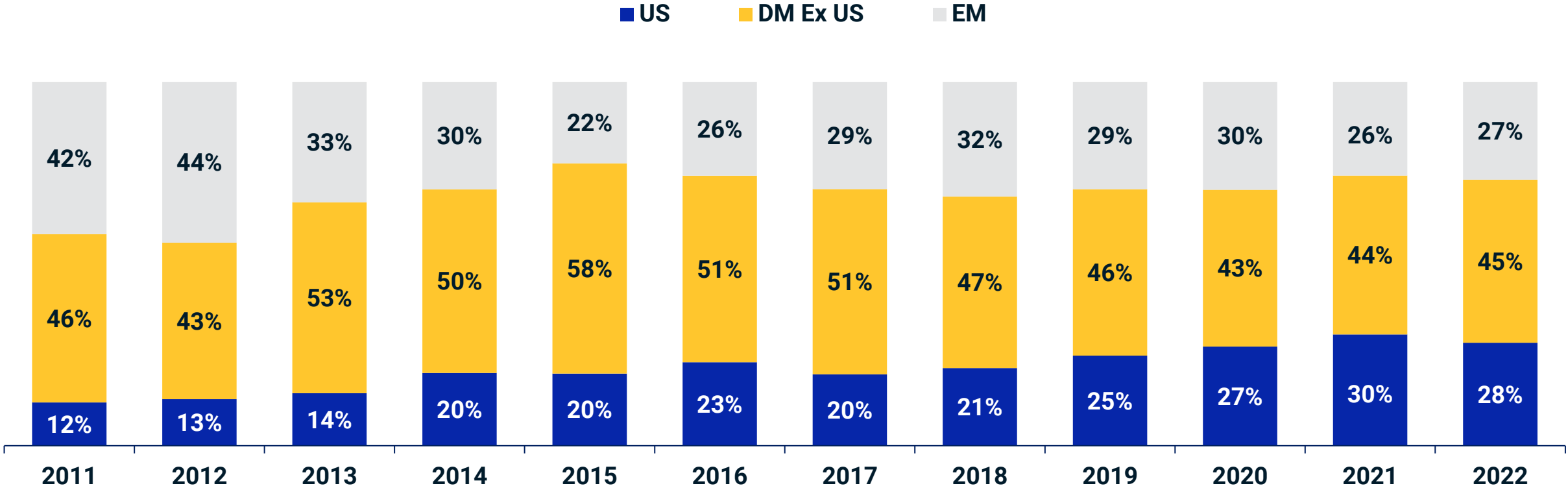


All Other - Private Assets



Geographic Market Exposures Of MSCI-Linked ETFs Increasingly Diversified Over Time

Mix of MSCI linked equity ETF AUM balance by geographic exposure %

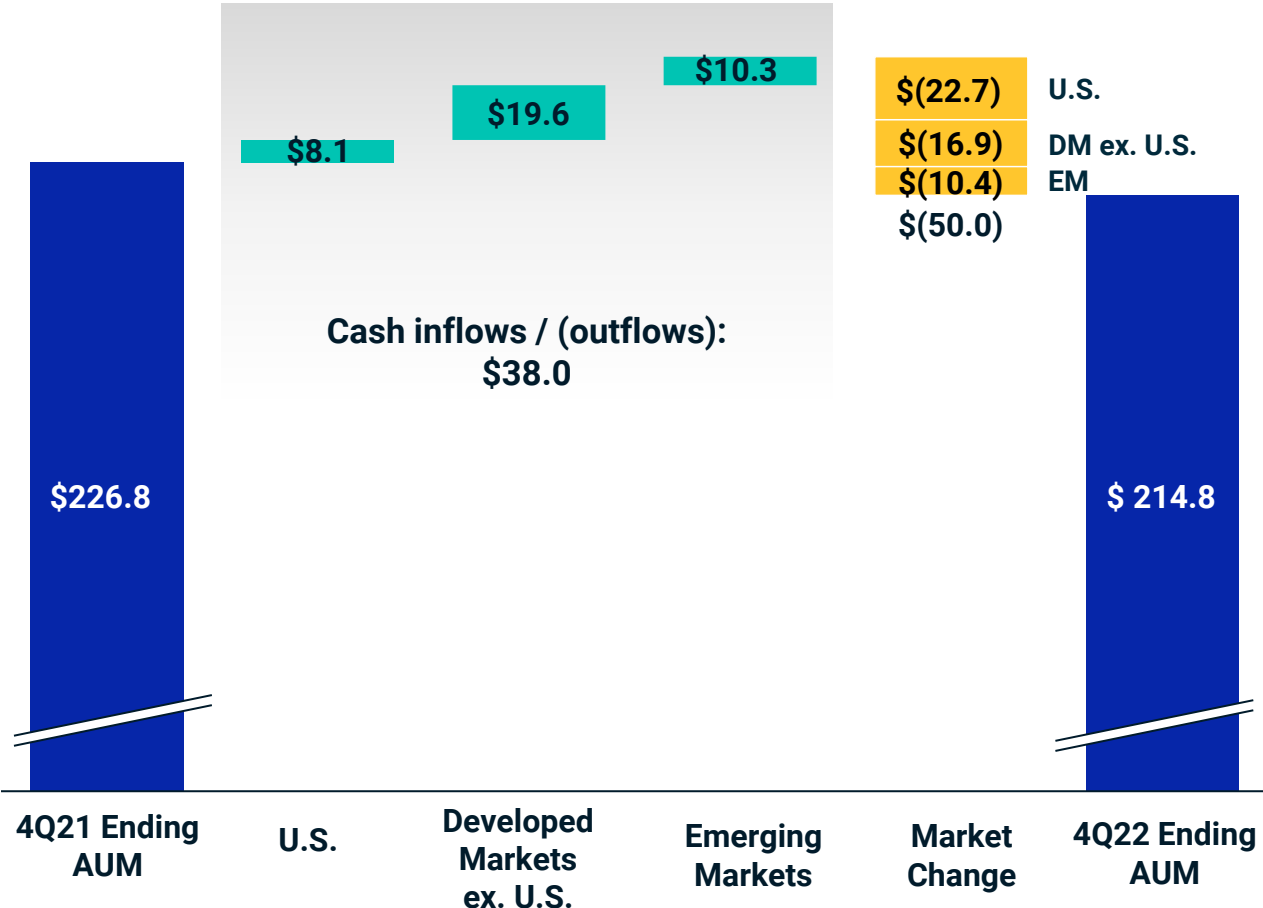


Notes : EM includes AC

Significant Growth Across ESG and Climate Franchise

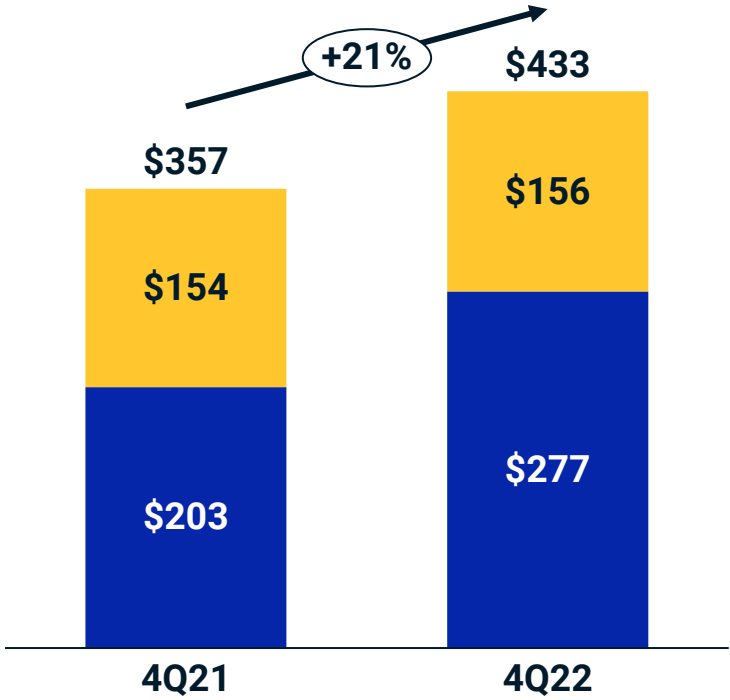
AUM in ETFs linked to MSCI ESG and Climate Equity Indexes

(US\$ in billions)



ESG & Climate Run Rate across all segments¹

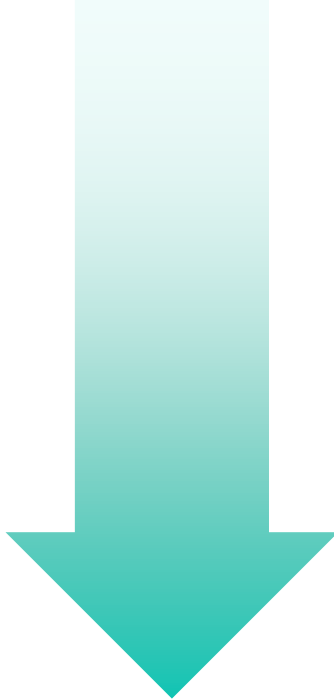
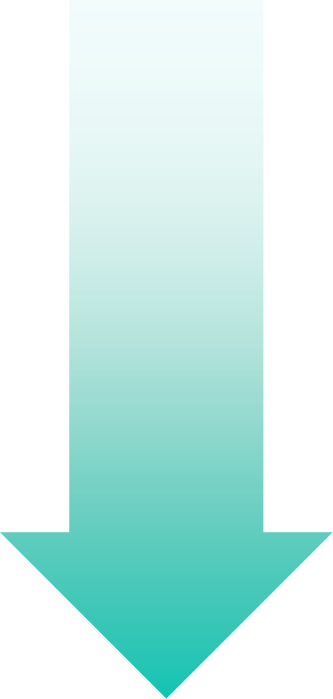
■ ESG & C Indexes
■ ESG & C Research, Analytics & Real Assets



¹Includes ESG & Climate Research Run Rate, reported in the ESG & Climate, Analytics and Real Assets Segments, and ESG & Climate related Index subscription and asset-based fees Run Rate reported in the Index segment.

Long-term Targets

- Index
- Analytics
- ESG & Climate
- All Other - Private Assets
- MSCI

	Revenue Growth Rate ¹	Adj. EBITDA Expense Growth Rate	Adj. EBITDA Growth Rate	Adj. EBITDA Margin %
Index	Low Double Digit	Low Double Digit		
Analytics	High Single Digit	Mid Single Digit		
ESG & Climate	Mid to High 20s	Mid to High 20s		
All Other - Private Assets	High Teens	Mid Teens		
MSCI	Low Double Digit	High Single Digit to Low Double Digit		



¹ Excludes Asset-Based Fees.

Appendix



Use of Operating Metrics

- MSCI has presented supplemental key operating metrics as part of this earnings presentation, including Retention Rate, Run Rate, subscription sales, subscription cancellations and non-recurring sales.
- Retention Rate is an important metric because subscription cancellations decrease our Run Rate and ultimately our future operating revenues over time. The annual Retention Rate represents the retained subscription Run Rate (subscription Run Rate at the beginning of the fiscal year less actual cancels during the year) as a percentage of the subscription Run Rate at the beginning of the fiscal year.
- The Retention Rate for a non-annual period is calculated by annualizing the cancellations for which we have received a notice of termination or for which we believe there is an intention not to renew or discontinue the subscription during the non-annual period, and we believe that such notice or intention evidences the client's final decision to terminate or not renew the applicable agreement, even though such notice is not effective until a later date. This annualized cancellation figure is then divided by the subscription Run Rate at the beginning of the fiscal year to calculate a cancellation rate. This cancellation rate is then subtracted from 100% to derive the annualized Retention Rate for the period.
- Retention Rate is computed by operating segment on a product/service-by-product/service basis. In general, if a client reduces the number of products or services to which it subscribes within a segment, or switches between products or services within a segment, we treat it as a cancellation for purposes of calculating our Retention Rate except in the case of a product or service switch that management considers to be a replacement product or service. In those replacement cases, only the net change to the client subscription, if a decrease, is reported as a cancellation. In the Analytics and the ESG and Climate operating segments, substantially all product or service switches are treated as replacement products or services and netted in this manner, while in our Index and Real Assets operating segments, product or service switches that are treated as replacement products or services and receive netting treatment occur only in certain limited instances. In addition, we treat any reduction in fees resulting from a down-sell of the same product or service as a cancellation to the extent of the reduction. We do not calculate Retention Rate for that portion of our Run Rate attributable to assets in index-linked investment products or futures and options contracts, in each case, linked to our indexes.
- Run Rate estimates at a particular point in time the annualized value of the recurring revenues under our client license agreements ("Client Contracts") for the next 12 months, assuming all Client Contracts that come up for renewal, or reach the end of the committed subscription period, are renewed and assuming then-current currency exchange rates, subject to the adjustments and exclusions described below. For any Client Contract where fees are linked to an investment product's assets or trading volume/fees, the Run Rate calculation reflects, for ETFs, the market value on the last trading day of the period, for futures and options, the most recent quarterly volumes and/or reported exchange fees, and for other non-ETF products, the most recent client-reported assets. Run Rate does not include fees associated with "one-time" and other non-recurring transactions. In addition, we add to Run Rate the annualized fee value of recurring new sales, whether to existing or new clients, when we execute Client Contracts, even though the license start date, and associated revenue recognition, may not be effective until a later date. We remove from Run Rate the annualized fee value associated with products or services under any Client Contract with respect to which we have received a notice of termination, non-renewal or an indication the client does not intend to continue their subscription during the period and have determined that such notice evidences the client's final decision to terminate or not renew the applicable products or services, even though such notice is not effective until a later date.
- "Organic subscription Run Rate growth" is defined as the period over period Run Rate growth, excluding the impact of changes in foreign currency and the first year impact of any acquisitions. It is also adjusted for divestitures. Changes in foreign currency are calculated by applying the currency exchange rate from the comparable prior period to current period foreign currency denominated Run Rate.
- Sales represents the annualized value of products and services clients commit to purchase from MSCI and will result in additional operating revenues. Non-recurring sales represent the actual value of the customer agreements entered into during the period and are not a component of Run Rate. New recurring subscription sales represent additional selling activities, such as new customer agreements, additions to existing agreements or increases in price that occurred during the period and are additions to Run Rate. Subscription cancellations reflect client activities during the period, such as discontinuing products and services and/or reductions in price, resulting in reductions to Run Rate. Net new recurring subscription sales represent the amount of new recurring subscription sales net of subscription cancellations during the period, which reflects the net impact to Run Rate during the period.
- Total gross sales represent the sum of new recurring subscription sales and non-recurring sales. Total net sales represent the total gross sales net of the impact from subscription cancellations.

Use of Non-GAAP Financial Measures

- MSCI has presented supplemental non-GAAP financial measures as part of this earnings presentation. Reconciliations are provided in slides 33 through 38 below that reconcile each non-GAAP financial measure with the most comparable GAAP measure. The non-GAAP financial measures presented in this earnings release should not be considered as alternative measures for the most directly comparable GAAP financial measures. The non-GAAP financial measures presented in this earnings release are used by management to monitor the financial performance of the business, inform business decision-making and forecast future results.
- “Adjusted EBITDA” is defined as net income before (1) provision for income taxes, (2) other expense (income), net, (3) depreciation and amortization of property, equipment and leasehold improvements, (4) amortization of intangible assets and, at times, (5) certain other transactions or adjustments, including, when applicable, impairment related to sublease of leased property and certain non-recurring acquisition-related integration and transaction costs.
- “Adjusted EBITDA expenses” is defined as operating expenses less depreciation and amortization of property, equipment and leasehold improvements and amortization of intangible assets and, at times, certain other transactions or adjustments, including, when applicable, impairment related to sublease of leased property and certain non-recurring acquisition-related integration and transaction costs.
- “Adjusted EBITDA margin” is defined as adjusted EBITDA divided by operating revenues.
- “Adjusted net income” and “adjusted EPS” are defined as net income and diluted EPS, respectively, before the after-tax impact of: the amortization of acquired intangible assets, including the amortization of the basis difference between the cost of the equity method investment and MSCI’s share of the net assets of the investee at historical carrying value and, at times, certain other transactions or adjustments, including, when applicable, the impact related to costs associated with debt extinguishment, the impact related to certain non-recurring acquisition-related integration and transaction costs, the impact from the write-off of internally developed capitalized software, the impact from impairment related to sublease of leased property and the impact related to gain from changes in ownership interest of equity method investee.
- “Capex” is defined as capital expenditures plus capitalized software development costs.
- “Free cash flow” is defined as net cash provided by operating activities, less Capex.
- “Organic operating revenue growth” is defined as operating revenue growth compared to the prior year period excluding the impact of acquired businesses, divested businesses and foreign currency exchange rate fluctuations.
- Asset-based fees ex-FX does not adjust for the impact from foreign currency exchange rate fluctuations on the underlying assets under management (“AUM”).
- We believe adjusted EBITDA, adjusted EBITDA margin and adjusted EBITDA expenses are meaningful measures of the operating performance of MSCI because they adjust for significant one-time, unusual or non-recurring items as well as eliminate the accounting effects of certain capital spending and acquisitions that do not directly affect what management considers to be our ongoing operating performance in the period.
- We believe adjusted net income and adjusted EPS are meaningful measures of the performance of MSCI because they adjust for the after-tax impact of significant one-time, unusual or non-recurring items as well as eliminate the impact of any transactions that do not directly affect what management considers to be our ongoing operating performance in the period. We also exclude the after-tax impact of the amortization of acquired intangible assets and amortization of the basis difference between the cost of the equity method investment and MSCI’s share of the net assets of the investee at historical carrying value, as these non-cash amounts are significantly impacted by the timing and size of each acquisition and therefore not meaningful to the ongoing operating performance in the period.
- We believe that free cash flow is useful to investors because it relates the operating cash flow of MSCI to the capital that is spent to continue and improve business operations, such as investment in MSCI’s existing products. Further, free cash flow indicates our ability to strengthen MSCI’s balance sheet, repay our debt obligations, pay cash dividends and repurchase shares of our common stock.
- We believe organic operating revenue growth is a meaningful measure of the operating performance of MSCI because it adjusts for the impact of foreign currency exchange rate fluctuations and excludes the impact of operating revenues attributable to acquired and divested businesses for the comparable prior year period, providing insight into our ongoing operating performance for the period(s) presented.
- We believe that the non-GAAP financial measures presented in this earnings presentation facilitate meaningful period-to-period comparisons and provide a baseline for the evaluation of future results.
- Adjusted EBITDA expenses, adjusted EBITDA, adjusted EBITDA margin, adjusted net income, adjusted EPS, Capex, free cash flow and organic operating revenue growth are not defined in the same manner by all companies and may not be comparable to similarly-titled non-GAAP financial measures of other companies. These measures can differ significantly from company to company depending on, among other things, long-term strategic decisions regarding capital structure, the tax jurisdictions in which companies operate and capital investments. Accordingly, the Company’s computation of these measures may not be comparable to similarly-titled measures computed by other companies.

Reconciliation of Net Income to Adjusted EBITDA (UNAUDITED)

In thousands	Three Months Ended		Year Ended	
	Dec. 31, 2022	Dec. 31, 2021	Dec. 31, 2022	Dec. 31, 2021
Net income	\$ 214,971	\$ 193,865	\$ 870,573	\$ 725,983
Provision for income taxes	50,691	51,898	173,268	132,153
Other expense (income), net	43,088	34,824	163,799	214,589
Operating income	308,750	280,587	1,207,640	1,072,725
Amortization of intangible assets	23,805	21,023	91,079	80,592
Depreciation and amortization of property, equipment and leasehold improvements	6,467	7,929	26,893	28,901
Impairment related to sublease of leased property	—	7,702	—	7,702
Acquisition-related integration and transaction costs(1)	—	1,419	4,059	6,870
Consolidated adjusted EBITDA	\$ 339,022	\$ 318,660	\$ 1,329,671	\$ 1,196,790
Index adjusted EBITDA	\$ 248,395	\$ 252,378	\$ 985,407	\$ 951,312
Analytics adjusted EBITDA	66,411	52,963	247,895	198,799
ESG and Climate adjusted EBITDA	18,760	9,163	61,094	29,748
All Other - Private Assets adjusted EBITDA	5,456	4,156	35,275	16,931
Consolidated adjusted EBITDA	\$ 339,022	\$ 318,660	\$ 1,329,671	\$ 1,196,790

(1) Incremental and non-recurring costs attributable to acquisitions directly related to the execution of the transaction and integration of the acquired business that have occurred no later than 12 months after the close of the transaction.

Reconciliation of Net Income and Diluted EPS to Adjusted Net Income and Adjusted EPS *(UNAUDITED)*

In thousands, except per share data	Three Months Ended		Year Ended	
	Dec. 31, 2022	Dec. 31, 2021	Dec. 31, 2022	Dec. 31, 2021
Net income	\$ 214,971	\$ 193,865	\$ 870,573	\$ 725,983
Plus: Amortization of acquired intangible assets and equity method investment basis difference	16,809	17,086	67,373	47,001
Plus: Debt extinguishment costs associated with the 2024, 2025, 2026 and 2027 Senior Notes Redemptions	—	—	—	59,104
Plus: Write-off of internally developed capitalized software	—	—	—	16,013
Plus: Impairment related to sublease of leased property	—	8,702	—	8,702
Plus: Acquisition-related integration and transaction costs(1)(2)	—	1,590	4,220	7,041
Less: Gain from changes in ownership interest of equity method investee	—	(6,972)	—	(6,972)
Less: Income tax effect(3)	(3,218)	(4,497)	(11,883)	(26,462)
Adjusted net income	\$ 228,562	\$ 209,774	\$ 930,283	\$ 830,410
Diluted EPS	\$ 2.67	\$ 2.32	\$ 10.72	\$ 8.70
Plus: Amortization of acquired intangible assets and equity method investment basis difference	0.21	0.20	0.83	0.56
Plus: Debt extinguishment costs associated with the 2024, 2025, 2026 and 2027 Senior Notes Redemptions	—	—	—	0.71
Plus: Write-off of internally developed capitalized software	—	—	—	0.19
Plus: Impairment related to sublease of leased property	—	0.10	—	0.10
Plus: Acquisition-related integration and transaction costs(1)(2)	—	0.02	0.05	0.08
Less: Gain from changes in ownership interest of equity method investee	—	(0.08)	—	(0.08)
Less: Income tax effect(3)	(0.04)	(0.05)	(0.15)	(0.31)
Adjusted EPS	\$ 2.84	\$ 2.51	\$ 11.45	\$ 9.95
Diluted weighted average common shares outstanding	80,424	83,578	81,215	83,479

(1) Acquisition-related integration and transaction costs of \$4.1 million are presented within "General and administrative" expenses and \$0.2 million are presented within "Depreciation and amortization of property, equipment and leasehold improvements" expenses for the year ended Dec. 31, 2022.

(2) Incremental and non-recurring costs attributable to acquisitions directly related to the execution of the transaction and integration of the acquired business that have occurred no later than 12 months after the close of the transaction.

(3) Adjustments relate to the tax effect of non-GAAP adjustments, which were determined based on the nature of the underlying non-GAAP adjustments and their relevant jurisdictional tax rates.

Reconciliation of Adjusted EBITDA Expenses to Operating Expenses *(UNAUDITED)*

In thousands	Three Months Ended		Year Ended		Full-Year
	Dec. 31, 2022	Dec. 31, 2021	Dec. 31, 2022	Dec. 31, 2021	2023 Outlook(1)
Total operating expenses	\$ 267,458	\$ 269,255	\$ 1,040,958	\$ 970,819	\$1,090,000 - \$1,130,000
Amortization of intangible assets	23,805	21,023	91,079	80,592	
Depreciation and amortization of property, equipment and leasehold improvements	6,467	7,929	26,893	28,901	\$125,000 - \$135,000
Impairment related to sublease of leased property	—	7,702	—	7,702	
Acquisition-related integration and transaction costs(2)	—	1,419	4,059	6,870	
Consolidated adjusted EBITDA expenses	\$ 237,186	\$ 231,182	\$ 918,927	\$ 846,754	\$965,000 - \$995,000
Index adjusted EBITDA expenses	\$ 80,866	\$ 79,429	\$ 317,802	\$ 300,452	
Analytics adjusted EBITDA expenses	83,300	85,119	328,212	345,500	
ESG and Climate adjusted EBITDA expenses	44,799	39,280	167,217	136,444	
All Other - Private Assets adjusted EBITDA expenses	28,221	27,354	105,696	64,358	
Consolidated adjusted EBITDA expenses	\$ 237,186	\$ 231,182	\$ 918,927	\$ 846,754	\$965,000 - \$995,000

- (1) We have not provided a full line-item reconciliation for total operating expenses to adjusted EBITDA expenses for this future period because we believe such a reconciliation would imply a degree of precision and certainty that could be confusing to investors and we are unable to reasonably predict certain items contained in the GAAP measure without unreasonable efforts. This is due to the inherent difficulty of forecasting the timing or amount of various items that have not yet occurred and are out of the Company's control or cannot be reasonably predicted. For the same reasons, the Company is unable to address the probable significance of the unavailable information. Forward-looking non-GAAP financial measures provided without the most directly comparable GAAP financial measures may vary materially from the corresponding GAAP financial measures. See "Forward-Looking Statements" above.
- (2) Incremental and non-recurring costs attributable to acquisitions directly related to the execution of the transaction and integration of the acquired business that have occurred no later than 12 months after the close of the transaction.

Reconciliation of Net Cash Provided by Operating Activities to Free Cash Flow *(UNAUDITED)*

	Three Months Ended		Year Ended		Full-Year
	Dec. 31, 2022	Dec. 31, 2021	Dec. 31, 2022	Dec. 31, 2021	2023 Outlook(1)
In thousands					
Net cash provided by operating activities	\$315,427	\$279,664	\$ 1,095,369	\$936,069	\$1,145,000 - \$1,195,000
Capital expenditures	(5,605)	(6,390)	(13,617)	(13,509)	
Capitalized software development costs	(14,853)	(10,207)	(59,278)	(39,285)	
Capex	(20,458)	(16,597)	(72,895)	(52,794)	(\$85,000 - \$75,000)
Free cash flow	\$294,969	\$263,067	\$1,022,474	\$883,275	\$1,060,000 - \$1,120,000

(1) We have not provided a line-item reconciliation for free cash flow to net cash from operating activities for this future period because we believe such a reconciliation would imply a degree of precision and certainty that could be confusing to investors and we are unable to reasonably predict certain items contained in the GAAP measure without unreasonable efforts. This is due to the inherent difficulty of forecasting the timing or amount of various items that have not yet occurred and are out of the Company's control or cannot be reasonably predicted. For the same reasons, the Company is unable to address the probable significance of the unavailable information. Forward-looking non-GAAP financial measures provided without the most directly comparable GAAP financial measures may vary materially from the corresponding GAAP financial measures. See "Forward-Looking Statements" above.

Fourth Quarter 2022 Reconciliation of Operating Revenue Growth to Organic Operating Revenue Growth *(UNAUDITED)*

Comparison of the Three Months Ended December 31, 2022 and 2021				
	<u>Total</u>	<u>Recurring Subscription</u>	<u>Asset-Based Fees</u>	<u>Non-Recurring Revenues</u>
<u>Index</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>
Operating revenue growth	(0.8)%	11.7 %	(16.2)%	14.6 %
Impact of acquisitions and divestitures	— %	— %	— %	— %
Impact of foreign currency exchange rate fluctuations	0.4 %	0.6 %	0.2 %	— %
Organic operating revenue growth	(0.4)%	12.3 %	(16.0)%	14.6 %
	Total	Recurring Subscription	Asset-Based Fees	Non-Recurring Revenues
<u>Analytics</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>
Operating revenue growth	8.4 %	9.8 %	— %	(35.4)%
Impact of acquisitions and divestitures	— %	— %	— %	— %
Impact of foreign currency exchange rate fluctuations	1.1 %	1.1 %	— %	1.5 %
Organic operating revenue growth	9.5 %	10.9 %	— %	(33.9)%
	Total	Recurring Subscription	Asset-Based Fees	Non-Recurring Revenues
<u>ESG and Climate</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>
Operating revenue growth	31.2 %	31.5 %	— %	20.1 %
Impact of acquisitions and divestitures	— %	— %	— %	— %
Impact of foreign currency exchange rate fluctuations	11.8 %	11.9 %	— %	6.4 %
Organic operating revenue growth	43.0 %	43.4 %	— %	26.5 %
	Total	Recurring Subscription	Asset-Based Fees	Non-Recurring Revenues
<u>All Other - Private Assets</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>
Operating revenue growth	6.9 %	6.7 %	— %	26.1 %
Impact of acquisitions and divestitures	— %	— %	— %	— %
Impact of foreign currency exchange rate fluctuations	6.9 %	7.0 %	— %	7.9 %
Organic operating revenue growth	13.8 %	13.7 %	— %	34.0 %
	Total	Recurring Subscription	Asset-Based Fees	Non-Recurring Revenues
<u>Consolidated</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>
Operating revenue growth	4.8 %	13.1 %	(16.2)%	3.2 %
Impact of acquisitions and divestitures	— %	— %	— %	— %
Impact of foreign currency exchange rate fluctuations	2.0 %	2.7 %	0.2 %	0.8 %
Organic operating revenue growth	6.8 %	15.8 %	(16.0)%	4.0 %

Full Year 2022 Reconciliation of Operating Revenue Growth to Organic Operating Revenue Growth *(UNAUDITED)*

	Comparison of the Years Ended December 31, 2022 and 2021			
	<u>Total</u>	<u>Recurring Subscription</u>	<u>Asset-Based Fees</u>	<u>Non-Recurring Revenues</u>
<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>
Index				
Operating revenue growth	4.1 %	12.2 %	(4.7)%	(3.8)%
Impact of acquisitions and divestitures	— %	— %	— %	— %
Impact of foreign currency exchange rate fluctuations	0.4 %	0.5 %	0.2 %	— %
Organic operating revenue growth	4.5 %	12.7 %	(4.5)%	(3.8)%
	<u>Total</u>	<u>Recurring Subscription</u>	<u>Asset-Based Fees</u>	<u>Non-Recurring Revenues</u>
<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>
Analytics				
Operating revenue growth	5.8 %	6.3 %	— %	(18.1)%
Impact of acquisitions and divestitures	— %	— %	— %	— %
Impact of foreign currency exchange rate fluctuations	1.0 %	0.9 %	— %	2.8 %
Organic operating revenue growth	6.8 %	7.2 %	— %	(15.3)%
	<u>Total</u>	<u>Recurring Subscription</u>	<u>Asset-Based Fees</u>	<u>Non-Recurring Revenues</u>
<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>
ESG and Climate				
Operating revenue growth	37.4 %	37.2 %	— %	43.8 %
Impact of acquisitions and divestitures	— %	— %	— %	— %
Impact of foreign currency exchange rate fluctuations	10.1 %	10.2 %	— %	7.2 %
Organic operating revenue growth	47.5 %	47.4 %	— %	51.0 %
	<u>Total</u>	<u>Recurring Subscription</u>	<u>Asset-Based Fees</u>	<u>Non-Recurring Revenues</u>
<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>
All Other - Private Assets				
Operating revenue growth	73.4 %	75.4 %	— %	(20.6)%
Impact of acquisitions and divestitures	(70.9)%	(72.4)%	— %	— %
Impact of foreign currency exchange rate fluctuations	10.0 %	10.1 %	— %	4.9 %
Organic operating revenue growth	12.5 %	13.1 %	— %	(15.7)%
	<u>Total</u>	<u>Recurring Subscription</u>	<u>Asset-Based Fees</u>	<u>Non-Recurring Revenues</u>
<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>	<u>Change Percentage</u>
Consolidated				
Operating revenue growth	10.0 %	16.4 %	(4.7)%	(4.0)%
Impact of acquisitions and divestitures	(2.8)%	(4.1)%	— %	— %
Impact of foreign currency exchange rate fluctuations	1.7 %	2.3 %	0.2 %	1.0 %
Organic operating revenue growth	8.9 %	14.6 %	(4.5)%	(3.0)%