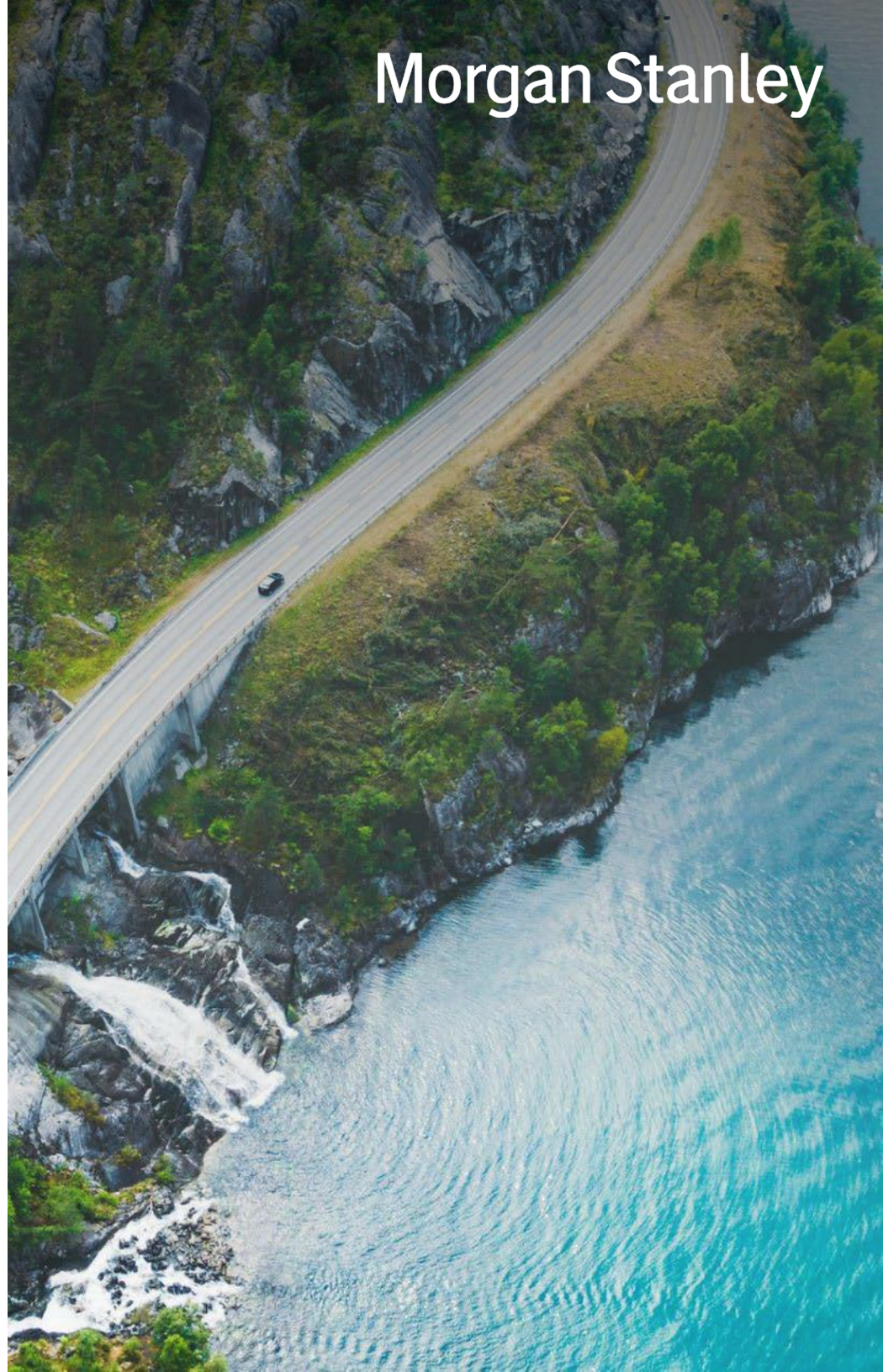


Investing With Impact

Create Positive Economic, Social and
Environmental Impact



What is Investing With Impact?

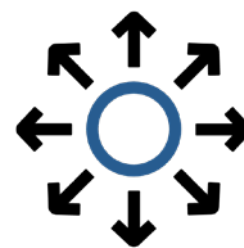
INVESTMENTS

Made with the intention to seek a measurable, positive social and/or environmental impact alongside a market-rate financial return.



FINANCIAL GOALS

Financial performance
driven by economic
fundamentals



IMPACT GOALS

Positive social and/or
environmental outcomes
driven by values
and mission



INVESTING WITH IMPACT

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For Over a Decade, Morgan Stanley has Charted a Leadership Position in Sustainable and Inclusive Finance

2009	2012	2013	2015	2017	2020	2021	2022	2023	2024	2025
Established cross-firm Global Sustainability Office (GSO)	First-of-its-kind Wealth Management Investing with Impact Platform	Founded the Institute for Sustainable Investing	Issued inaugural Green Bond to support firmwide climate strategy & solutions	Named the first Chief Sustainability Officer on Wall Street Launched Inclusive Ventures Lab	Institute for Inclusion established 1 st Wall Street bank to target Net-Zero Financed Emissions by 2050 Issued \$1B Social Bond to support affordable housing	Set target to mobilize \$1Tn in sustainable solutions by 2030, including \$750Bn in low-carbon and green solutions Awarded the first cohort of the Morgan Stanley Sustainable Solutions Collaborative	Established EMEA Sustainability Office Expanded Inclusive Ventures Lab to EMEA	Established Japan Sustainability Office Published first combined ESG Report which includes detailed Climate and Human Capital information	Expanded our Interim Financed Emissions Targets to three additional sectors Signed 10-year agreement to purchase Direct Air Capture credits through partnership with Climeworks	Announced Morgan Stanley Inclusive and Sustainable Ventures Published Sustainable Issuance Framework to enable green, social and sustainability issuance

Best Private Bank for Sustainability 2024¹



Key Memberships and Affiliations



Sustainable Markets Initiative

Please note that there is currently no legal, regulatory or similar definition of what constitutes a “green” or “social” bond or as to what precise attributes are required for a particular issuance to be defined as green or social. Without limiting any of the statements contained herein, Morgan Stanley makes no representation or warranty as to whether this bond constitutes a green or social bond or conforms to investor expectations or objectives for investing in green or social bonds. For information on characteristics of the bond, use of proceeds, a description of applicable project(s), and/or any other relevant information about the bond, please reference the offering documents for the bond. These bonds are subject to the ability of an issuer to make timely principal and interest payments (credit risk), changes in interest rates (interest-rate risk), the creditworthiness of the issuer and general market liquidity (market risk).

1. <https://www.euromoney.com/article/2cu7f72p1rtk0ey5cq5ts/awards/private-banking-awards/north-americas-best-for-sustainability-morgan-stanley>

Past performance is no guarantee of future results. The index returns are illustrative and shown for comparative purposes only. They do not represent the performance of any specific investments. An investor cannot invest directly in an index

Delivering Innovative Sustainable Finance Solutions and Advice for Our Clients¹



Global Sustainability Office

Provides expertise across sustainable finance market trends, product innovation, ESG analytics and key themes including climate, natural capital & inclusive growth

WEALTH MANAGEMENT²

- **\$95Bn** in client assets invested across **430+ third-party** investment products on Investing with Impact Platform
- Suite of **Investing With Impact Portfolio Solutions**
- Award-winning⁴ and patented⁵ impact reporting application, **Morgan Stanley Impact Quotient®** (Morgan Stanley IQ)
- Proprietary manager scoring tools **Impact Signal** and **DEI Signal**
- **Investing with Impact Director designation** for impact- focused Financial Advisors
- **Best Private Bank for Sustainability** in North America⁶

INSTITUTIONAL SECURITIES²

- **\$97Bn+** of ESG-labeled debt³ transactions supported in 2023
- **ESG Center of Excellence** coordinating our client-focused sustainability activities across Global Capital Markets and Investment Banking
- **ESG Sales & Trading solutions** including thematic baskets, custom indices, & structured products
- **Environmental Products** capabilities across hedging analytics, carbon allowances, carbon credits and renewable energy certificates

INVESTMENT MANAGEMENT

- **~\$50Bn+** in AUM with Sustainability Features⁷
- Deliver global depth & breadth in **sustainable investing expertise** through centralized and team-specific resources
- Offer a **spectrum of flexible & innovative sustainable investing solutions**, tailored to clients' preferences
- Maintain effective **governance and stewardship** standards
- **Investment Innovation of the Year Award** – 1GT climate private equity platform⁸

1. All data points as of December 31, 2024 and can be found in the 2023 ESG Report on Morgan Stanley's website.

2. There is no guarantee that the target shown will be attained.

3. Debt instruments that seek to achieve certain environmental and/or social criteria, such as Green, Social, Sustainability, and Sustainability-linked instruments.

4. Best private bank, ESG technology, North America, 2021 PWM Wealth Tech Awards, <https://pwmwealthtechawards.com>

5. US Pat. No. 11,188,983

6. Euromoney, <https://www.euromoney.com/article/2cu7f72p1rtk0ey5cq5ts/awards/private-banking-awards/north-americas-best-for-sustainability-morgan-stanley>

7. The AUM includes all Funds and mandates with at least one of the 5 sustainable features retained for Sustainable AUM reporting: 1. Impact Objectives, 2. Sustainability theme objectives, 3. Tilts based on sustainability factors, 4. Low Carbon or 5. Net Zero commitment. Parametric Portfolio Associates LLC AUM is not currently included in this figure.

8. <https://www.insuranceassetrisk.com/content/awards/insurance-asset-risk-awards-2024-uk-and-europe/winners/investment-innovation-of-the-year-morgan-stanley-investment-management.html>

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Morgan Stanley's Climate Strategy

Integrating Climate Considerations Across the Firm's Businesses, Risk Management and Operations

A FOUR PILLAR CLIMATE STRATEGY

TRANSITION TO A LOW-CARBON ECONOMY

- Set a goal to mobilize **\$750Bn** to support **low-carbon and green solutions** by 2030
- Aim to achieve **net-zero financed emissions by 2050** with 2030 interim sector targets
- Annual updates to our **Climate Strategy Assessment Framework (CSAF)** to understand our clients' transition plans and commitments

CLIMATE RISK

- Climate-related financial risks integrated into the Firm's **risk management and governance** processes under the Chief Risk Officer
- Climate risks overseen by the **Climate Risk Committee**

OPERATIONAL

- Achieved **carbon neutrality⁽²⁾** across global operations in 2022
- Maintained **carbon neutral status** and **100% renewable electricity** in 2023

TRANSPARENCY

- Publish updates to our climate strategy and progress toward our targets in integrated annual **ESG Report**

1. All information is from the 2023 ESG Report and as of the year ending December 31, 2023.

2. This is a management-determined metric that may be viewed or calculated differently by others who may use the same "carbon neutral" terminology. Morgan Stanley has determined that the boundary around our carbon neutrality status is scope 1, scope 2 location-based emissions, scope 3 business travel and downstream leased assets, carbon offsets purchased from the voluntary carbon market, green power contracts, and market instruments (e.g. Renewable Energy Certificates (RECs), Energy Attribute Certificates (EACs)). There are instances where green power contracts and instruments that we accept for our purposes to meet carbon neutrality do not align with the criteria required to reflect those purchases in our scope 2 market-based figure in accordance with the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition) ("GHG Protocol"). For our GHG emissions table aligned with the GHG protocol, please see our 2023 ESG Report.

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Morgan Stanley's Leadership in Diversity & Inclusion

Morgan Stanley has a Firmwide Commitment to D&I and Valuing Diverse Perspectives and We Continue to Demonstrate Our Leadership Through New and Existing Initiatives.

DRIVE MEANINGFUL CHANGE WITHIN MORGAN STANLEY AND COMMUNITIES

- In 2020, Morgan Stanley launched the Institute for Inclusion, bringing employees, communities and clients together in a shared commitment to creating a more equitable society by:
 - **Investing in underserved communities** to improve economic outcomes.
 - **Advancing equity through giving** by leveraging philanthropic efforts to help address and eliminate systemic inequities for underrepresented groups and communities.
 - **Promoting workplace diversity and inclusion** to attract, develop and retain individuals with diverse backgrounds and perspectives, and to drive a culture of inclusion for all colleagues.

INVEST IN FUTURE LEADERS

- Inequities in access to higher education can impact diverse students' ability to grow generational wealth.
 - Morgan Stanley's HBCU Scholars Program, started in 2021, provides needs-based, four-year scholarships to students at Howard University, Morehouse College and Spelman College, covering the full cost of attendance annually.
 - Scholars are also offered career-readiness programs by the Firm that complement their curriculum on campus.
- In 2021, Morgan Stanley launched The Equity Collective, an industry leading group of Wealth Management and Asset Management businesses who have come together to educate, empower and develop the next generation of diverse leaders in the finance industry.

SUPPORT EARLY-STAGE INNOVATORS

- The Morgan Stanley Inclusive and Sustainable Ventures Lab provides early-stage innovators with access to capital and resources to help them develop and scale. The group's mission is to foster a more equitable and sustainable investment landscape through two in-house accelerator programs. The MSISV Lab and MSISV Collaborative support **startups** and **nonprofits** respectively that may have experienced systemic barriers to accessing capital and funding and/or have a focus on sustainability.
- MSISV builds on the success of the Inclusive Ventures Lab and Sustainable Solutions Collaborative, which together have distributed \$30M+ in capital to over 100+ startups

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Mainstream Investors Have a Range of Impact Motivations

MAINSTREAM INVESTORS



INDIVIDUALS

Investors across generations, especially Millennials and Ultra High Net Worth individuals and families, are seeking to generate a positive legacy with their capital and align investments with impact objectives



ENTREPRENEURS

Seeking innovative investment options that mitigate risk, have return potential and provide complementary personal portfolio to corporate interests and assets



RELIGIOUS INSTITUTIONS

Incorporating faith-based investing guidelines and filing shareholder resolutions to engage with companies and improve corporate behaviour



FOUNDATIONS / NON-PROFITS

Aligning all pools of capital with the organization's mission statement to maximize positive impact, mitigate risks and drive long term value



ENDOWMENTS

Seeking risk management, return potential, respond to stakeholder demand and motivated to align investments with the mission statement to maximize positive impact



DONOR ADVISED FUNDS

Maximize impact of charitable assets by investing in companies that seek to generate positive environmental and social return while waiting to grant out funds



INSURANCE COMPANIES

Seeking to respond to evolving policy/regulations, and utilize social and governance to identify embedded long-term risk and also seek to benefit from opportunities



DEFINED BENEFIT / DEFINED CONTRIBUTION PLANS

Seeking sustainable retirement investment options to drive long-term value, mitigate risks. Respond to stakeholder demand and attract talented employees to organizations

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Investors Care About Investing With Impact

INDIVIDUAL INVESTORS

DEMAND STATISTICS

84%

of U.S. active *individual investors* describe themselves as interested in sustainable investing¹

96%

of U.S. active *millennial investors* describe themselves as interested in sustainable investing¹

DRIVERS OF DEMAND

Over the past 12 months, various events have driven investors to be 'significantly' or 'somewhat more interested' in sustainable investing (*United States*)¹

#1	New climate science findings	60%
#2	Financial performance of sustainable investments	59%
#3	Inflation	59%
#4	Market dynamics and broader economic performance	57%
#5	U.S. Inflation Reduction Act	55%

INSTITUTIONAL INVESTORS

80%

of all *institutional investors* already implement sustainable investing strategies in all or part of their portfolios - or plan to do so²

77%

of all *institutional investors* report increased interest in sustainable investing since May 2020²

Asset managers cite multiple factors driving growth in sustainable investing practices, with client demand being top of list (*Global Average*)²

#1	Client Demand/Investor Pressure	62%
#2	Public Sentiment	50%
#3	Regulatory Developments	48%
#4	Market Performance	37%
#5	COVID-19 Pandemic	21%

1. Morgan Stanley Institute for Sustainable Investing. "Understanding Individual Investors' Interests and Priorities" 2024.

2. Morgan Stanley Institute for Sustainable Investing and Morgan Stanley Investment Management, "Opportunities for Asset Managers to Meet Asset Owner Demands" 2022

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Proof in the Performance

Indices that incorporate environmental, social and governance (ESG) factors have generally performed in line with, or better than, conventional indices. For example, \$100 invested in line with the holdings reflected in the sustainable index in 1990 grew to \$4,648 versus \$4,132 for a traditional index through September 30, 2025.

ANNUALIZED RETURN ¹

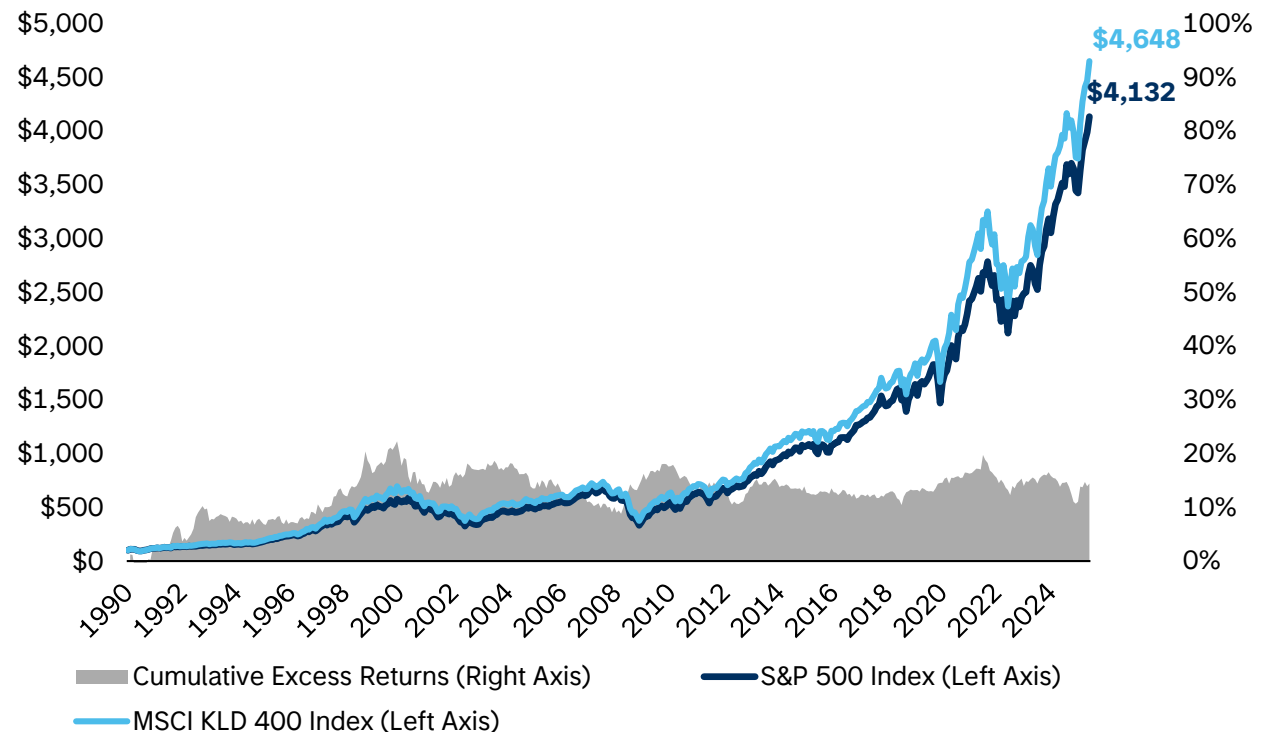
April 30, 1990 – September 30, 2025



The MSCI KLD 400 Index of companies that meet **high standards of environmental, social and governance (ESG) criteria**.

APRIL 30, 1990 – SEPTEMBER 30, 2025 (SINGLE COMPUTATION)

Cumulative Return (%)



Source: Bloomberg, MSCI, Morgan Stanley Wealth Management.

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Investing with Impact Offering Delivers an End-to-End Solution

PUBLIC MARKETS

PRIVATE MARKETS

CASH & CASH EQUIVALENTS	SUSTAINABLE CAPITAL MARKETS	SINGLE-STOCK OPPORTUNITIES	430+ THIRD-PARTY PRODUCTS		INVESTING WITH IMPACT PORTFOLIO SOLUTIONS		ALTERNATIVE INVESTMENTS	
Morgan Stanley ESG Money Market Portfolio, & Notes	Green, Blue, Sustainability, & Social Bonds	Morgan Stanley Sustainability Research (MS&CO)	ETFs	Mutual Funds	Impact Solutions Portfolio (MAPS) (\$10k Minimum)	Impact Portfolios (\$10k Minimum)	MSIM & Custom Alternatives	
	Sustainable Structured Products		SMAs	Unit Investment Trust	Diversity Portfolios (\$100k/\$150k)	MS GIFT Donor Advised Fund	Private Equity & Venture Capital	
						Custom Solutions OCIO	Hedge Funds & Funds of Funds	

SHAREHOLDER ENGAGEMENT + DIVERSE MANAGER OPPORTUNITIES



AVAILABLE THEMATICS

- Climate Action
- Gender Lens
- Racial Equity
- Faith-based Approaches
- Catholicism
 - Christianity
 - Judaism
 - Islam
- Mission Align 360°



DIFFERENTIATED CLIENT EXPERIENCE

- More than a decade focus on sustainable finance
- First platform led by a major U.S. financial institution solely dedicated to sustainable investing across asset classes
- Values discovery process, investment strategy screener and real-time impact reporting powered by the **Morgan Stanley Impact Quotient®** application
- Timely content covering key sustainability themes and market trends
- Solutions available for all client sizes and types

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Impact in Private Markets

Alternative Investments Create an Opportunity to Invest in Targeted Impact Solutions.

THE MARKET FOR PRIVATE MARKET IMPACT INVESTMENTS CONTINUES TO GROW

~2800

Private-capital ESG-related funds in
existence as of 2024 ¹

\$120B

Amount raised by private markets
sustainability/impact strategies over
the past five years ²

WE HELP YOU ACCESS OFFERINGS ACROSS MULTIPLE IMPACT THEMES AND ASSET CLASSES



CLIMATE ACTION

Strategies advancing solutions to combat climate change and transition to a less carbon intensive economy through both scaling renewable energy infrastructure and investing in new climate technologies



DIVERSITY EQUITY & INCLUSION

Strategies investing in diverse-owned companies and funds, as well as strategies that are owned by diverse managers



IMPROVING LIVES

Strategies investing in Health, Education, Affordable Housing, Financial Inclusion.

Dedicated resources on the Global Investment Manager Analysis (GIMA) team and the Investing with Impact team to source and diligence impact alternative opportunities that seek to meet a clients' impact goals alongside their financial return objectives

1. Barron's, Private-Market ESG and Impact Funds Perform in Line With Peers, May 2024

2. Adams Street Partners, 2024 ESG Report, January 2025

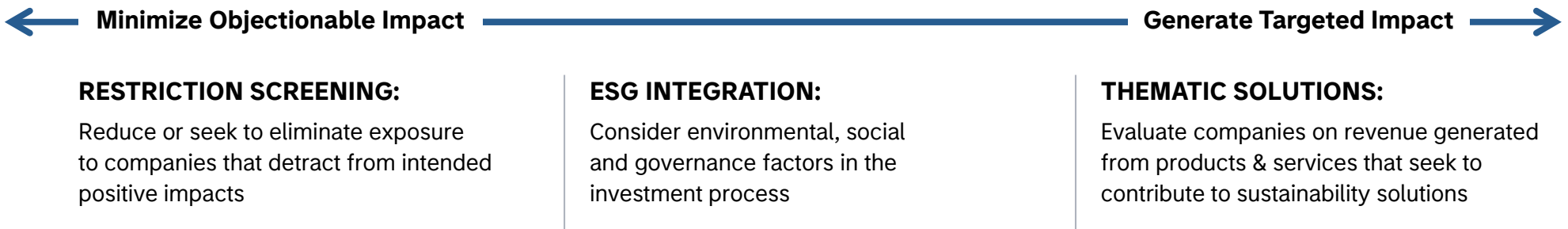
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Our Holistic Approach to Investing With Impact

The Three I's of Impact: Intentionality, Influence and Inclusion

INTENTIONALITY

Intentional investment process that seeks to generate market-rate financial returns alongside positive social and environmental impact in one or more of the following ways:



INFLUENCE

- Modify the behavior of portfolio companies to seek better social and environmental outcomes and drive industry capabilities through:
- **Active Ownership** can be achieved through management dialogue, strategy setting, proxy voting, resolution filing and filling board seats
- **Market Building** seeks to influence the industry through collaborative affiliations and adopting global frameworks

INCLUSION

- Diverse perspectives can help guide the intentional investment process and engagement activities, or influence, through:
- **Diverse Firm Ownership¹** and/or
- **Diverse Representation Across Investment Professionals**

1. Morgan Stanley's Global Investment Manager Analysis (GIMA) team, defines diverse asset managers as those with 33% or greater ownership by women and/or racially/ethnically diverse individuals. This definition aligns with the US Equal Employment Opportunity Commission categories and includes: Hispanic or Latino, Black or African American, Asian, American Indian or Alaska Native, or Native Hawaiian or other Pacific Islander

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How ESG Data Informs Investment Decisions

Environmental, Social and Governance (ESG) Data Can Serve as a Tool to Better Understand Risks and Opportunities Associated with Sectors, Industries or Business Activities. Some ESG Criteria Include, But Are Not Limited to:



ENVIRONMENTAL

CLIMATE DISCLOSURE

Disclosing climate footprint, including greenhouse gas emissions

CLIMATE SOLUTIONS

Generating revenue from renewable and cleaner energy sources, and energy-efficient infrastructure

NATURAL RESOURCE USE

Reducing waste, pollution and stress on water and natural resources

NATURAL RESOURCE SOLUTIONS

Generating revenue from waste and pollution management, sustainable agriculture, sustainable consumer products and conservation efforts



SOCIAL

HUMAN RIGHTS

Protecting human rights through policies and compliance with international norms

EMPLOYEE TREATMENT

Promoting employee welfare through health and safety, diversity & inclusion, good benefits, employee relations and workplace policies

CUSTOMER & SUPPLIER TREATMENT

Promoting product safety, responsible marketing, customer relations, fair competition and supply chain management

EMPOWERMENT SOLUTIONS

Generating revenue from affordable housing, access to clean water, healthcare, nutrition, education, and/or finance



GOVERNANCE

ETHICAL PRACTICES

Strong ethics and anti-corruption record

FINANCIAL TRANSPARENCY

Corporate transparency on taxes, accounting and executive pay

OWNERSHIP & OVERSIGHT

Board independence, and lack of controlling shareholder concerns

DIVERSITY IN LEADERSHIP

Diversity in board and executive leadership

WAYS TO HARNESS ESG DATA TO DEVELOP AN INVESTMENT STRATEGY

IDENTIFY

Identify and screen the investable universe with higher ESG metrics or avoid the worst offenders (can be part of both fundamental and quantitative process)

EVALUATE

Use ESG as a “red flag” to identify risk & potentially avoid risk events

INTEGRATION

Incorporate ESG data into the valuation process, layering it into the risk and opportunity assessment.

BUILD MOMENTUM

Invest in companies focus on improvement of their ESG ratings & score, typically through shareholder engagement

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Shareholder Engagement and Advocacy

Drive Positive Environmental and/or Social Change Through Active and Continuous Dialogue with Corporates

A critical tool employed by managers across the Investing with Impact Framework is shareholder engagement. This tool complements investment approaches across the spectrum and provides a way for clients to drive positive change across environmental, social or governance-related areas of concern in their portfolio.

SHAREHOLDER ENGAGEMENT APPROACHES INCLUDE:

Dialogue with company executives

Letter-writing and email campaigns

Proxy voting

Public policy initiatives

Research and analysis

Shareholder meetings

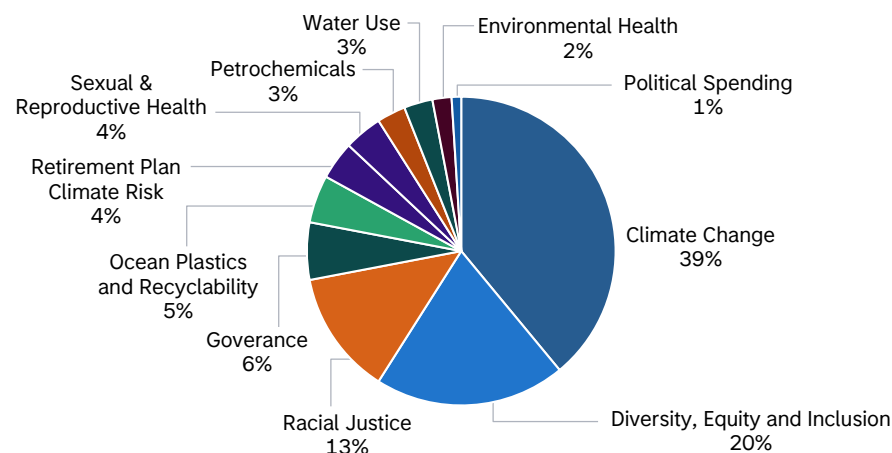
Shareholder resolutions

Stakeholder engagement

SHAREHOLDER ENGAGEMENT RESOURCES AT MORGAN STANLEY

- Shareholder communications and proxy materials are delivered to all clients seamlessly via Morgan Stanley's eDelivery
- Third party managers on the Investing with Impact Platform employ shareholder engagement on behalf of our clients
- External organizations focused on shareholder engagement issues provide insight on corporate actions for investors

2023 SHAREHOLDER REPORT: TOP 11 ISSUE AREAS¹ (7/1/2022 – 6/30/2023)



1. 2023 Shareholder Impact Review: Changing Corporations for Good, As You Sow

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Investing with Impact Questions Incorporated into Due Diligence for All Managers

SAMPLE QUESTIONS FROM GLOBAL INVESTMENT MANAGER ANALYSIS (GIMA)'S INITIAL REQUEST FOR INFORMATION

Over **300** Asset Managers covered by GIMA

35% of Traditional Managers covered by GIMA are on the Investing with Impact Platform

80% of Traditional Firms have one or more products with a documented ESG Process

What approaches from the Three I's of Impact Framework (Intentionality, Influence and Inclusion) are employed by the manager?

Describe your ESG / impact investment philosophy and investment process.

How diverse is the manager's staff and leadership (e.g., gender, racial/ethnic diversity, etc.)?

Which of the United Nations Sustainable Development Goals (SDGs), if any, is an intentional focus area?

GIMA has dedicated resources to analyze each manager's approach to sustainable investing. Managers that meet a higher bar across key dimensions are considered for the Investing with Impact Platform.

Data as of July 2024.

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A Higher Bar for the Investing With Impact Platform¹

Morgan Stanley's Global Investment Manager Analysis Team has Proprietary Process to Analyze each Manager's Approach to Investing with Impact across 5 key dimensions

PERSONNEL & FIRM

- **Experience of sustainability professionals**
- Credentials & expertise of key professionals
- Ownership structure
- Compensation and/or incentives for key professionals
- Personnel turnover
- Depth of experience and history of success

INVESTMENT PROCESS & IMPLEMENTATION

- **Clear and intentional process for incorporating sustainability factors**
- **Shareholder engagement**
- Idea generation
- Portfolio construction methodology
- Risk management
- Sector and/or industry concentration or exposure
- Volatility guidelines and other constraints
- Style consistency

ANALYTICAL CAPABILITIES

- **Well-defined and repeatable method for evaluating data and materiality**
- **Outcomes measurement and impact reporting**
- Depth of analysis
- Industry expertise
- Databases, technology and analytical tools
- Number of companies covered

BUSINESS OPERATIONS

- **Legal documentation with specific sustainability language**
- Manager incentives and client fees
- Assets under management
- Growth or stability of personnel
- Legal or regulatory issues
- Other business and management results and strategies

PERFORMANCE

- **Reviewed with the same rigorous analysis of traditional products**
- Compared to peer group of traditional products and benchmarks
- ~20% of Investing with Impact offerings selected for GIMA Focus List

Continuing due diligence for all Approved List and Focus List products including annual reviews, regular meetings with managers, performance analysis and an annual survey.

1. Out of 300+ asset managers covered by GIMA, only 35% of traditional managers are on the Investing with Impact Platform

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Investing With Impact Thematic Solution

We Help You Clarify the Range of Approaches and How to Implement Investment Solutions Based on Theme



CLIMATE ACTION INVESTING

Aid in the transition to a low carbon economy by investing in climate solutions and environmental leaders, as well as considering portfolio exposure to climate change-related risks.



FAITH-BASED INVESTING

Align investment portfolio with principles in accordance with specific religious values



GENDER LENS INVESTING

Promote better gender diversity and equality through increased exposure to companies committed to employing and advancing women in high-level leadership roles



RACIAL EQUITY INVESTING

Advance racial equity and combat systemic racism through increased exposure to companies committed to supporting social and racial equity.



MISSION ALIGN 360° INVESTING

Evaluate, align and activate all pools of capital (human, philanthropic and financial) towards the theme of your choice to accomplish your organization's unique mission statement

Climate Action Investing

Investors Looking to Mitigate Climate-change Related Risks and Identify Opportunities That Aid in the Transition to a Low Carbon Economy Have a Variety of Approaches to Develop Disciplined Climate Action Investing Strategy.

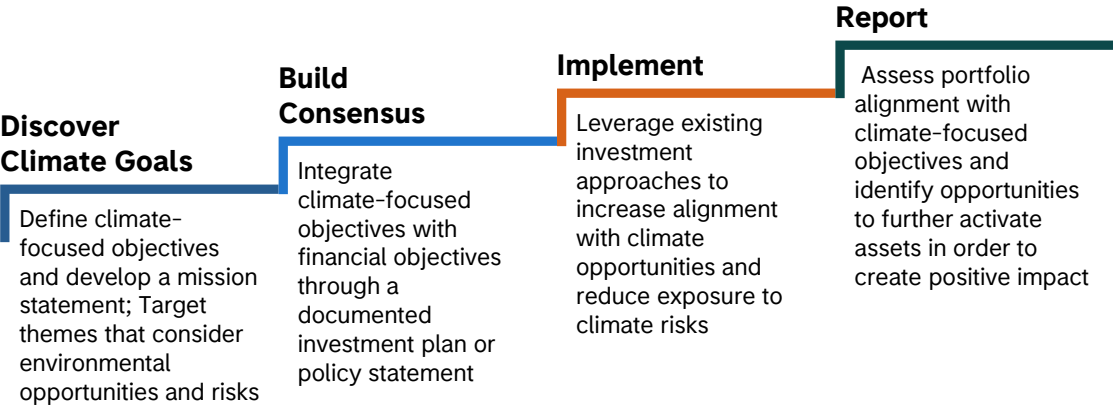
UNDERSTANDING THE RISKS & OPPORTUNITIES



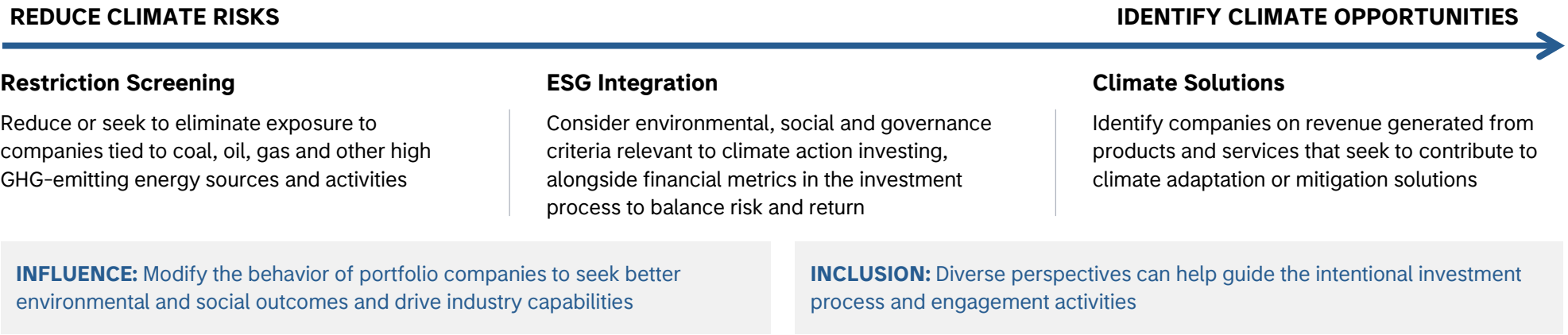
A changing climate and the transition to a low-carbon economy present **material climate-related investment risks and opportunities**.

We can help investors **develop a plan for climate-action investing** that seeks to mitigate climate change-related risks, advance decarbonization solutions and **align with their long-term financial goals**.

DEVELOPING A CLIMATE ACTION INVESTMENT STRATEGY



INTENTIONALITY: Intentional investment process that seeks to generate market-rate returns alongside positive environmental and social impact in one of the following ways:



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Gender Lens Investing

A Growing Body of Evidence Points to Better Financial Performance Associated With Higher Levels of Gender Diversity, Equity and Inclusion Defined as a Balance in Representation, Empowerment and Economic Opportunity ^{1 2 3}

WHAT IS GENDER LENS INVESTING?



Gender Lens Investing is defined as the incorporation of gender criteria in the investment process to further diversity, equity, and inclusion and help improve investment decisions.

GENDER DIVERSITY MAKES AN IMPACT

Morgan Stanley’s Global Quantitative Team evaluated four metrics to develop a holistic equal representation score that systematically ranks companies on their level of gender diversity: the percentage of women who are

- Board members
- Executives
- Managers
- Employees

Stocks with high gender diversity outperformed those with low gender diversity over the long term³

INTENTIONALITY: Intentional investment process that seeks to generate market-rate returns alongside positive environmental and social impact, including, including improvements in gender DEI, in one of the following ways:

MINIMIZE GENDER DEI RISKS

Gender DEI as a Screen

- Reduce exposure to companies with poor gender DEI records such as weak policies, poor supply chain safety records, and involvement in pornography
- Gender diversity primarily a risk; not proactively transformative

INFLUENCE: Modify the behavior of portfolio companies to seek better environmental and social outcomes and drive industry capabilities

Gender DEI Leaders

- Seek companies with leading gender diversity records, including strong policies and programs, diverse boards and management and work / life balance programs
- Gender diversity is both a risk and opportunity to help identify long-term outperformance

INCREASE GENDER DEI OPPORTUNITIES

Gender Thematic Solutions

- Proactively direct capital toward women by supporting women entrepreneurs, women borrowers, and investing in companies that provide products that support women, like affordable childcare and maternal health products

INCLUSION: Diverse perspectives can help guide the intentional investment process and engagement activities

1. Credit Suisse Research, “The CS Gender 3000 in 2021: Broadening the Diversity Discussion” (September 2021)
2. Sundiatu Dixon-Fyle, Kevin Dolan, Vivian Hunt, and Sara Prince, “Diversity Wins: How Inclusive Matters” (McKinsey & Company, May 19, 2020)
3. Morgan Stanley Research, “HERS Update: Gender Diversity Continues to Drive Alpha” (February 1, 2023)
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Racial Equity Investing: Incorporating Improving Lives and Diversity, Equity and Inclusion Themes

Opportunities Are Emerging to Advance Racial Equity and Combat Systemic Racism through Investment Decisions. Investors Play an Important Role by Taking Measurable Action to Promote Racial Justice Through Their Investments

WHAT IS RACIAL EQUITY INVESTING?



Racial equity investing describes the effort to direct investment capital towards historically underrepresented groups, including Black, Hispanic, Asian-Indian, Asian-Pacific, and Native American populations.

Racial Equity investing aims to promote equity on issues ranging from economic opportunity to education, housing, quality employment, access to health care and more

Racial equity recognizes that the **intersectionality** of many areas of inequality as applied to an individual can include overlapping systems of marginalization.

INTENTIONALITY: Intentional investment process that factors in a holistic set of environmental, social and corporate governance (ESG) considerations including racial-equity criteria in one of the following ways:

MINIMIZE RISKS RELATED TO LACK OF RACIAL EQUITY → ADVANCE RACIAL EQUITY

Restriction Screening

Investment strategies that minimize or avoid exposure to companies, sectors or geographies with lagging records of supporting racial equity and social justice.

Leaders

Investment strategies that incorporate a range of environmental, social, governance (ESG) criteria, including investing in companies that are leading in terms of racial equity factors relative to industry peers.

Solutions

Investment strategies that intentionally focus on companies or funds seeking to advance racial equity as a way to alleviate social disparities, including, but not limited to: access to capital, affordable housing & community services, criminal justice reform, economic inclusion, education, healthcare, products & services for communities of color, and neighborhood revitalization.

INFLUENCE: Modify the behavior of portfolio companies to seek better environmental and social outcomes and drive industry capabilities

INCLUSION: Diverse perspectives can help guide the intentional investment process and engagement activities

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Faith-Based Investing: Building Value from Values

Faith-based investors were among the first to harness capital markets and influence corporate behavior through restriction screening and shareholder engagement. There is no “one size fits all” approach to faith-based investing, so we prioritize understanding each client’s unique impact and financial goals to help tailor and align their portfolio

FAITH-BASED APPROACHES

Investors can support positive environmental and social change, avoid objectionable companies, and target thematic solutions across several faiths including, but not limited to:

- **Christianity**
- **Catholicism**
- **Judaism**
- **Islam**

HOW WE WORK WITH CLIENTS

- 1. Goals Discovery** facilitates meaningful conversations to determine each faith-based investor’s unique impact preferences and priorities
- 2. Documenting an Investment Policy Statement (IPS)** creates a holistic, mission-oriented approach that guides financial planning by harmonizing faith-based impact goals and comprehensive risk and return objectives
- 3. Implementation** integrates faith-based values within portfolios using products available across a wide range of asset classes determined by each client’s unique circumstances
- 4. Measuring Ongoing Impact** evaluates and enhances portfolio alignment with faith-based impact objectives through Morgan Stanley Impact Quotient® reporting

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Aligning Christian Values with Investing and Philanthropy

Many Christians seek to embrace their faith holistically, leading religious values to play a critical role in their investment decisions. This includes the management of investments as an extension of their faith and as a complement to other activities, such as philanthropy. Alongside the tools available at Morgan Stanley, the Christian Values Guide can aid in implementing faith into an investor’s financial, philanthropic, and human capital.



Created in partnership with Morgan Stanley Wealth Management’s Christian Focus Group, the Christian Values Giving and Investing Guide seeks to facilitate meaningful conversations about the religious wellspring of Christian values among families, boards, and the Financial Advisors, Institutional Consultants and Investment Managers who serve them.

SPOTLIGHT ON FIRM-WIDE COLLABORATION

Through collaborative initiatives such as Mission Align 360°, Investing with Impact and Philanthropy Management collaborated to advise clients seeking to better align and leverage their financial and philanthropic capital to generate positive impact across the entire capital spectrum and potentially have a greater impact on the world’s problems

DO NO HARM

PROMOTE HUMAN FLOURISHING

Christian Values as a Restriction Screen	ESG Integration	Thematic Solutions	Program Related Investments	Recoverable Grants	Grants
Investments that seek to minimize or avoid exposure to certain companies, sectors, geographies or themes.	Investing in companies with sustainable corporate practices.	Investments in sectors of the market that address objectives that are consistent with Christian values.	Employ various financing methods with the primary objective of furthering a charitable mission.	Offers donors the potential to recover granted capital if the recipient charity meets a predetermined success scenario.	Christian values-aligned philanthropists make donations to a broad spectrum of Christian and secular organizations.

Shareholder Engagement: Engage with companies’ management, voting proxies and filing shareholder resolutions based on broad environmental, social and governance practices and/or defined Christian values

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Aligning Jewish Values with Investing and Philanthropy

In 2019, Morgan Stanley Hosted the First-ever Jewish Values Consortiums, a Series of Events Across the United States that Brought Together Leaders in the Jewish, Investment and Philanthropic Communities to Discuss What it Means to Give and Invest Along the Spectrum of Jewish Values. Insights from These Consortiums Formed the Foundation for the Jewish Values Giving and Investing Guide.



Informed by input and guidance from over 250 Jewish community leaders, the Jewish Values Giving and Investing Guide seeks to facilitate meaningful conversations about the religious wellspring of Jewish Values among families, boards, and the Financial Advisors, Institutional Consultants and Investment Managers who serve them.

SPOTLIGHT ON FIRM-WIDE COLLABORATION

Through collaborative initiatives such as Mission Align 360°, Investing with Impact and Philanthropy Management collaborated to advise clients seeking to better align and leverage their financial and philanthropic capital to generate positive impact across the entire capital spectrum and potentially have a greater impact on the world’s problems.

MINIMIZE MISALIGNMENT			INCREASE DIRECT IMPACT		
Jewish Values as a Restriction Screen	ESG Integration	Thematic Solutions	Program Related Investments	Recoverable Grants	Grants
Investments that seek to minimize or avoid exposure to certain companies, sectors, geographies or themes.	Investing in companies with sustainable corporate practices.	Investments in sectors of the market that address objectives that are consistent with Jewish Values faith-based goals.	Employ various financing methods with the primary objective of furthering a charitable mission.	Offers donors the potential to recover granted capital if the recipient charity meets a predetermined success scenario.	Jewish values-aligned philanthropists make donations to a broad spectrum of Jewish and secular organizations.

Shareholder Engagement: Engage with companies’ management, voting proxies and filing shareholder resolutions based on broad environmental, social and governance practices and/or defined Jewish values

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Mission Align 360°

We Help Forward Thinking Organizations Examine all 360° Degrees of the Organization – Including Human, Financial and Philanthropic Capital for Allocation Toward their Mission While Seeking to Generate Positive Environmental and Social Impact.



FINANCIAL CAPITAL

Investments that seek to achieve specific social and/or environmental goals while targeting market-rate financial returns



PHILANTHROPIC CAPITAL

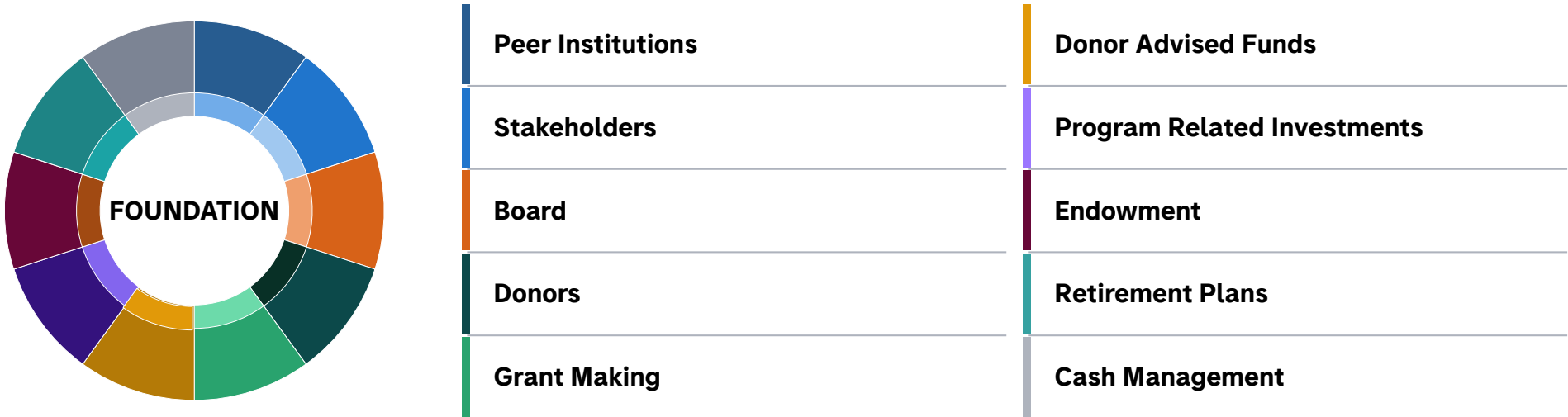
A broad term which describes capital that has no, or low, expectation of financial return such as grant-making and program related investments.



HUMAN CAPITAL

The collective skills, talents, knowledge or other intangible assets of individuals that can be used to create economic value for the individuals, their organization or their community

ORGANIZATIONAL ASSETS AVAILABLE FOR IMPACT¹



1. Morgan Stanley Investing with Impact, Mission Align 360°: Maximizing an Organization’s Connection between Mission and Capital, May 2018
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Fiduciary Duty & Investing With Impact

Investment Decisions Must be Made in Relation to the Overall Resources of the Institution and Its Mission.

TWO KEY ISSUES THAT ENDOWMENTS AND FOUNDATIONS ARE SUBJECT TO UNDER THE UNIFORM PRUDENT MANAGEMENT OF INSTITUTIONAL FUNDS ACT¹

1

THE DUTY OF LOYALTY requires a fiduciary to be loyal to the beneficiaries of the organization's charitable funds.

A loyal fiduciary must act in the best interest of the beneficiaries of the charitable funds and not in their own personal interest.

2

THE DUTY OF PRUDENCE connects more directly to investment decision making. Like any investment, the mission-aligned investor must balance cost, risk and return.

UPMIFA upholds trustees to consider investment decisions in relation to the whole investment portfolio and the organization's charitable purposes.²



ALIGNMENT TO ORGANIZATIONAL MISSION

Fiduciaries must consider the mission of the organization and the extent to which a given investment is aligned to its mission



A HOLISTIC VIEW OF FACTORS THAT MAY IMPACT INVESTMENT PERFORMANCE

ESG (Environmental, Social and Governance) analysis expands the set of considerations that are material to performance and risk management³



INTEGRATION INTO INVESTMENT POLICY STATEMENTS (IPS)

The IPS can be amended to outline a process for including mission-aligned investments in accordance with an institution's mission and financial goals.

1. UPMIFA = Uniform Prudent Management of Institutional Funds Act, which provides guidance on investment decisions and endowment expenditures for nonprofit and charitable organizations

2. John Rogers, Investing with Impact and Fiduciary Duty, 2015

3. Morgan Stanley Institute for Sustainable Investing, Sustainable Funds Outperform Peers in 2020 During Coronavirus, 2021

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Investing with Impact In Action

Our Portfolio Solutions Are Available and Customizable to a Wide Array of Client Segments

PORTFOLIO NAME	DESCRIPTION	INVESTMENT MINIMUM
CUSTOM PORTFOLIOS	Tailored to match client-specific financial and impact goals	\$25,000,000
INVESTING WITH IMPACT PORTFOLIOS	Morgan Stanley Portfolio Solutions (MSPS) multi-asset class portfolios that utilize Investing with Impact third-party separately managed accounts, mutual funds and exchange-traded funds	\$10,000 (Impact Portfolios) \$150,000 (Balanced Diversity Portfolio) \$100,000 (Equity Diversity Portfolio)
MAPS IMPACT SOLUTIONS	Managed Advisory Portfolio Solutions (MAPS) separately managed accounts are fundamentally well-positioned and exhibit positive environmental, social and governance (ESG) corporate practices in addition to having revenue exposure to Morgan Stanley & Co.'s Global Sustainability Themes	\$5,000 (US and Global equity)
MORGAN STANLEY GLOBAL IMPACT FUNDING TRUST (MS GIFT)	Multiply the impact of charitable giving through Impact pools in Morgan Stanley's Donor Advised Fund	\$25,000

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Impact Solutions US and Global Model Portfolios

TWO MODEL PORTFOLIOS



AT A GLANCE

- The US and Global Model Portfolios seek to invest in publicly traded securities that are both fundamentally well-positioned and employ sustainable corporate practices as measured by their MSCI ESG¹ score and revenue exposure to MS & Co.’s Global Sustainability Themes.

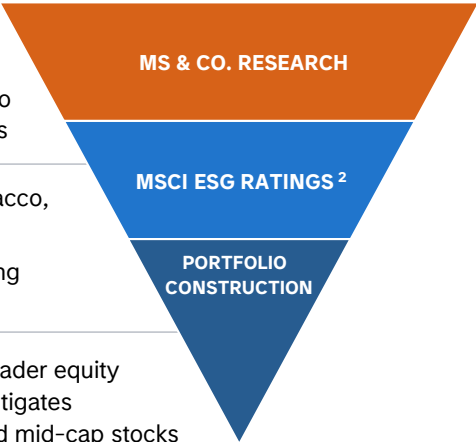


PORTFOLIO OBJECTIVES

- Seeks to generate competitive risk-adjusted market-rate returns (benchmarked against the Russell 3000 Index for the US Model, and the MSCI All Country World Index for the Global Model) while reducing tracking error to benchmarks.
- Seeks to generate positive environmental and social impact.

INVESTMENT SELECTION PROCESS

- Include companies that are rated Overweight or Equal-weight by fundamental equity analysts
- Include companies with 30% or greater exposure to one or more MS & CO. Global Sustainability Themes
- Exclude companies in the following industries: tobacco, weapons and gambling
- Narrow universe to companies with MSCI ESG Rating of B or higher²
- The portfolio seeks to limit tracking error to the broader equity market, as represented by its benchmark, and it mitigates liquidity risk by capping position sizes of small- and mid-cap stocks



MS & CO. RESEARCH GLOBAL SUSTAINABILITY THEMES

CLIMATE CHANGE	Clean energy, carbon capture storage, energy storage, alternative fuels and energy efficiency
RESOURCE MANAGEMENT	Water scarcity, waste management, food availability, and the circular economy
HEALTH & WELLBEING	Healthy eating & exercise, treatment of illness, and prevention and safety
INCLUSION	Reducing inequalities and improving standards of living
SAFETY & SECURITY	Improving product safety and cybersecurity

Source: MS & Co. Research, Morgan Stanley Wealth Management

Source: Morgan Stanley Wealth Management Investing with Impact

1. ESG = Environmental, social and governance. Environmental, social and governance criteria can be utilized alongside financial criteria to make investment decisions.
2. MSCI is a leading third-party data provider of ESG ratings for companies around the world. MSCI rates companies on a scale of AAA to CCC based on their exposure to and ability to manage industry-specific ESG risks. Our investable universe is limited to companies with an MSCI ESG rating of AAA to B, excluding the worst (CCC) ESG performers. For more information, please see <https://www.msci.com/esg-ratings>.
These portfolios are not managed by Morgan Stanley Wealth Management Research.

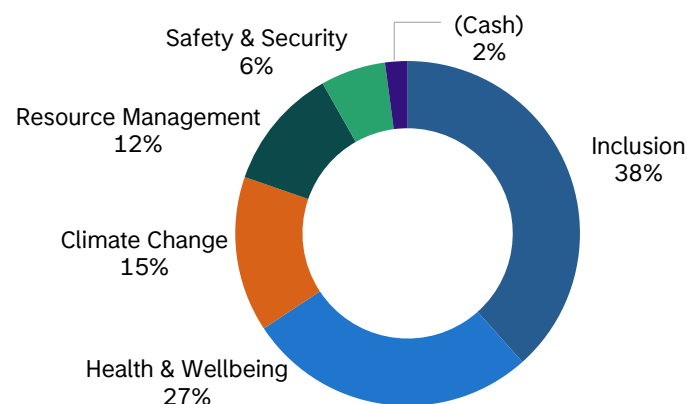
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Impact Solutions US Model Portfolio

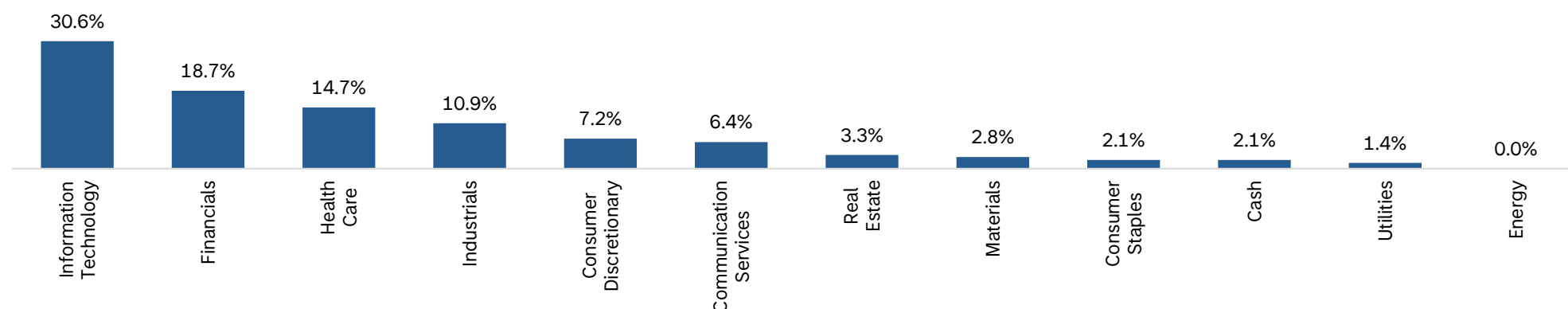
PORTFOLIO SNAPSHOT

OBJECTIVE	Generate positive environmental and social impact while reducing tracking error to the broader US equity market
DIVERSIFICATION	Number of securities: 30–50 Position sizes: 1–5%
RISK	Expected to be roughly in line with the risk of the Russell 3000 Index
SECURITIES UNIVERSE	US equities

ALLOCATION BY GLOBAL SUSTAINABILITY THEMES



ALLOCATION BY SECTOR (%)



Source: Morgan Stanley Wealth Management Investing with Impact as of 03/31/25.

1. Not Included refers to cash holdings

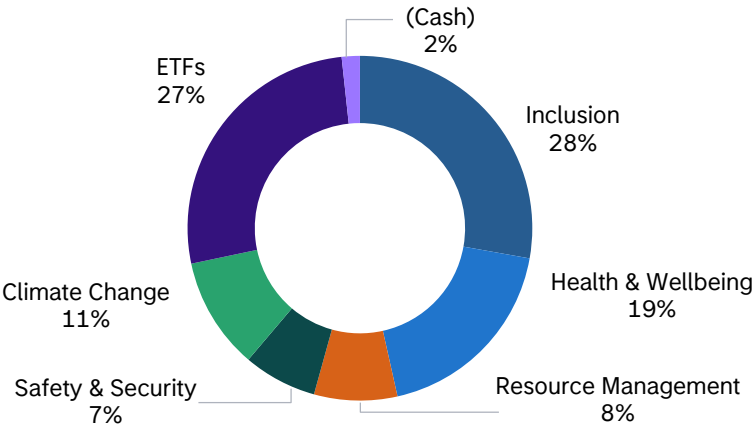
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Impact Solutions Global Model Portfolio

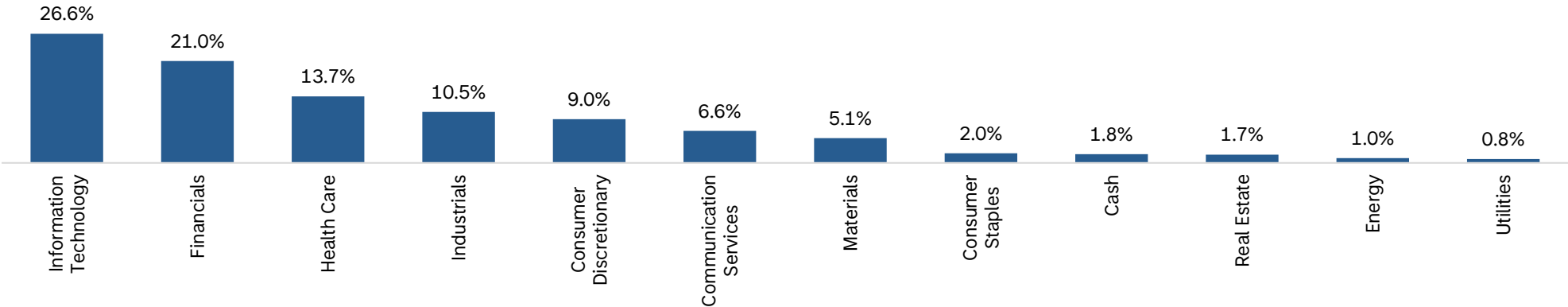
PORTFOLIO SNAPSHOT

OBJECTIVE	Generate positive environmental and social impact while reducing tracking error to the broader global equity market
DIVERSIFICATION	Number of securities: 30–50 Position sizes: 1–5% for single stocks, maximum 25% for exchange-traded funds (ETFs)
RISK	Expected to be roughly in line with the risk of the MSCI All Country World Index
SECURITIES UNIVERSE	Global equities (US, ADRs and ETFs)

ALLOCATION BY GLOBAL SUSTAINABILITY THEMES



ALLOCATION BY SECTOR (%)



Source: Morgan Stanley Wealth Management Investing with Impact as of 03/31/25.

Note: Not Included refers to cash holdings

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Suite of Impact Solutions Model Portfolios

PORTFOLIO	OBJECTIVE	BENCHMARK	BETA (EST.)	ANNUAL TURNOVER (EST.)	SECURITIES
IMPACT SOLUTIONS US MODEL	Generate positive environmental and social impact while reducing tracking error to broader US equity market	Russell 3000 Index	0.95–1.05	30–50%	30–50
IMPACT SOLUTIONS GLOBAL MODEL	Generate positive environmental and social impact while reducing tracking error to broader global equity market	MSCI All Country World Index	0.95–1.05	30–50%	30–50

As of March 2025

MSCI is a leading third-party data provider of ESG ratings for companies around the world. MSCI rates companies on a scale of AAA to CCC based on their exposure to and ability to manage industry-specific ESG risks. Our investable universe is limited to companies with an MSCI ESG rating of AAA to B, excluding the worst (CCC) ESG performers. For more information, please see <https://www.msci.com/esg-ratings>.

The portfolios are not managed by Morgan Stanley Wealth Management Research. This sample portfolio shows a hypothetical allocation for both Impact Solutions portfolios. The US and Global portfolios will have different asset allocations by Global Sustainability Themes, market benchmarks and ESG rating distributions based on the optimization process.

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Understanding Your Portfolio's Impact

Measurement and Reporting Are Central to Advancing the Positive Impact of Your Investments. You Cannot Manage What You are Not Measuring.



PROBLEM

Investors have long sought the ability to understand the environmental and social impact of their investments; however, impact data and reporting is complex.

CURRENT LANDSCAPE:

Impact reporting has evolved into a complex global network of organizations, data providers and rating systems that can be challenging to navigate.

15+ Organizations such as the Global Impact Investing Network and the Sustainability Accounting Standards Board are building the infrastructure to drive the effective use of material sustainability information by investors

100+ Data providers can now deliver environmental, social and governance (ESG) insights across multiple levels (company, manager and portfolio-level) to help determine ESG-driven risks and opportunities

Emerging ratings systems assess ESG performance, but are either over-simplified, non-customizable and struggle to capture intentional sustainable investing approaches



SOLUTION

We have vetted and partnered with leading ESG data providers – MSCI ESG Research, ISS-ESG, Equileap and Fossil Free Indexes – to deliver a customized impact reporting tool exclusively for Morgan Stanley Financial Advisors and clients. **With us, you can understand and monitor your impact to make informed investment decisions based on your unique impact priorities.**



The description of Morgan Stanley Impact Quotient® and the reports that it generates are solely for informational purposes. You should not definitively rely upon it or use it to form the definitive basis for any decision, contract, commitment or action whatsoever, with respect to any proposed transaction or otherwise.

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Introducing Morgan Stanley Impact Quotient®: A Client-Centric Approach to Impact Reporting



Available exclusively to Morgan Stanley clients, Morgan Stanley Impact Quotient® is a patented technology with a suite of capabilities designed to help you understand the environmental and social impact of your investments.¹



1. DISCOVER

Determine your unique impact preferences and priorities through meaningful conversations with your Financial Advisor using the Impact Profile Builder.



2. ASSESS

Evaluate how your portfolio is aligned to your unique preferences by discussing your customized Impact Reports with your Financial Advisor.



3. ALIGN

Work with your Financial Advisor to identify investment opportunities to enhance alignment with your unique impact preferences.

The process is designed to capture impact priorities and assess alignment across multiple dimensions:

IMPACT PREFERENCES



IMPACT THEMES & OBJECTIVES Social and / or environmental impacts sought to be aligned within an investment portfolio



ISSUES OF CONCERN Sectors, issues or business activities found to be objectionable or to be avoided with an investment portfolio



SUSTAINABLE DEVELOPMENT GOALS United nations supported framework aimed at ending poverty, protecting the planet and ensuring prosperity for all



TARGETED POPULATIONS FOR IMPACT Sectors, issues or business activities found to be objectionable or to be avoided with an investment portfolio



FAITH-BASED APPROACHES Faith can serve as a lens or set of considerations within an investment portfolio

PORTFOLIO PREFERENCES



PORTFOLIO INTEGRATION APPROACH

Portfolio integration, targeted curve out, portfolio tilt, or integration when new cash or investment changes



AVAILABLE INVESTMENT OPPORTUNITIES

Public markets (e.g., Public equities fixed income, and multi Asset) and/or alternative investment (e.g., Real Assets, Private Equity)²



APPROACHES TO INVESTING WITH IMPACT

Restriction screening, ESG integration, thematic exposure, impact investing and shareholder engagement

1. US Pat. No. 11,188,983

2. Alternative investments often are speculative and include a high degree of risk. Investors could lose all or a substantial amount of their investment. Alternative investments are appropriate only for eligible, long-term investors who are willing to forgo liquidity and put capital at risk for an indefinite period of time. They may be highly illiquid and can engage in leverage and other speculative practices that may increase the volatility and risk of loss. Alternative Investments typically have higher fees than traditional investments. Investors should carefully review and consider potential risks before investing. The description of Morgan Stanley Impact Quotient® and the reports that it generates are solely for informational purposes. You should not definitively rely upon it or use it to form the definitive basis for any decision, contract, commitment or action whatsoever, with respect to any proposed transaction or otherwise.

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The Future is Bright for Investing with Impact

73%

of individual investors believe companies with leading sustainability practices may be better long-term investments ⁽¹⁾

2050

Year that the business opportunities for sustainability-focused companies are expected to be between \$3 trillion and \$10 trillion annually, or up to 4.5% of global GDP ⁽²⁾

78%

of companies anticipate growth in sustainable investing at their firm. ⁽⁴⁾ They are adjusting business strategies to address long-term global themes / mega-trends, including: Climate Change, Health & Wellbeing, Inclusion, Resource Management, Safety & Security ⁽³⁾

84%

of U.S active investors are interested in sustainable investing ⁽¹⁾ and 88% of asset owners say that their sustainable investing activities are driven by client and external stakeholder demand. ⁽⁴⁾

Morgan Stanley is well-positioned to help deliver impact via customized solutions based on clients' financial and impact goals

1. Morgan Stanley Institute for Sustainable Investing, "Understanding Individual Investors' Interests and Priorities" 2024

2. Vision 2050: The New Agenda for Business, World Business Council for Sustainable Development, 2010

3. Morgan Stanley & Co. Sustainability Research

4. Morgan Stanley Institute for Sustainable Investing and Morgan Stanley Investment Management, "Sustainable Signals: Institutional Investors" 2024.

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General Disclosures

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Asset allocation, diversification, rebalancing and dollar cost averaging do not guarantee a profit or protect against loss in declining markets. Past performance is no guarantee of future results and actual results may vary. Rebalancing strategies may also have tax consequences; investors should consult a qualified tax advisor before implementing such strategies.

Conflicts of Interest: As a diversified global financial services firm, Morgan Stanley engages in a broad range of activities, including financial advisory and investment management services; sponsoring and managing private investment funds; broker-dealer and principal securities transactions, commodities and foreign exchange transactions; and the publication of research, among other activities. In the ordinary course of its business, these activities may create situations where Morgan Stanley's interests may conflict with those of its clients, including the private investment funds it manages. Morgan Stanley can give no assurance that such conflicts of interest will be resolved in favor of its clients or any particular fund.

Indices are unmanaged and cannot be invested in directly. For index, indicator and survey definitions referenced in this report, please visit: www.morganstanley.com/wealth-investmentsolutions/wmir-definitions

For more information, please refer to additional General Disclosures here: www.morganstanley.com/wealthbooks#general-disclosures.

Risks Associated With Investing

Investing in the markets entails the risk of market volatility. The value of all types of investments, including stocks, mutual funds, exchange-traded funds ("ETFs"), closed-end funds, and unit investment trusts, may increase or decrease over varying time periods. **Please carefully consider the investment objectives, risks, charges and expenses of investment fund(s) before investing. The fund prospectus contains this and other information about the fund(s). To obtain a prospectus, contact your financial advisor. Please read the prospectus carefully before investing.** There is no assurance that investment funds will achieve their investment objectives. Besides the general investment risk of holding securities that may decline in value and the possible loss of principal invested, **closed-end funds** may have additional risks related to declining market prices relative to net asset values (NAVs), active manager underperformance and potential leverage. To the extent the investments depicted herein represent **international securities**, you should be aware that there may be additional risks associated with international investing, including foreign economic, political, monetary and/or legal factors, changing currency exchange rates, foreign taxes, and differences in financial and accounting standards. These risks may be magnified in emerging markets and frontier markets. Some funds also invest in foreign securities, which may involve currency risk. **Equity securities** may fluctuate in response to news on companies, industries, market conditions and general economic environment. Companies paying dividends can reduce or cut payouts at any time. Small- and mid-capitalization companies may lack the financial resources, product diversification and competitive strengths of larger companies. In addition, the securities of **small- and mid-capitalization** companies may not trade as readily as, and be subject to higher volatility than, those of larger, more established companies. **Growth investing** does not guarantee a profit or eliminate risk. Growth stocks can trade at relatively high valuations which may increase risk compared with an investment in a company with more modest growth expectations. **Value investing** does not guarantee a profit or eliminate risk. Not all companies deemed value stocks are able to turn around their business or successfully execute corrective strategies, and their stock prices may not rise as initially expected.

The value of **fixed income securities** will fluctuate and, upon a sale, may be worth more or less than their original cost or value at maturity. Bonds are subject to interest rate risk, call risk, reinvestment risk, liquidity risk, and credit risk of the issuer. Yields may change with economic conditions and should be considered alongside other factors when making investment decisions. Credit ratings are subject to change. **High yield bonds** carry additional risks, including increased risk of default and greater volatility due to lower credit quality of the issues. In the case of **municipal bonds**, income is generally exempt from federal income taxes, though some income may be subject to state and local taxes and to the federal alternative minimum tax. Capital gains, if any, are subject to tax. **Treasury Inflation Protection Securities (TIPS)** adjust coupon payments and underlying principal to compensate for inflation in line with the consumer price index (CPI). While the real rate of return is guaranteed, TIPS typically offer lower returns and may significantly underperform conventional U.S. Treasuries during periods of low inflation. There is no guarantee that investors will receive par if TIPS are sold prior to maturity. The **Ultrashort-term fixed income** asset class consists of high-quality securities with very short maturities and is therefore still subject to the risks associated with debt securities such as credit and interest rate risk.

Money Market Funds: You could lose money in money market funds. Although government money market funds (defined as investing 99.5% of total assets in cash and/or securities backed by the U.S. government) and retail funds (defined as money market funds open to natural person investors only) seek to preserve value at \$1.00 per share, they cannot guarantee doing so. The price of other money market funds will fluctuate, and when you sell shares they may be worth more or less than originally paid. Money market funds may impose a fee upon sale or temporarily suspend sales if liquidity falls below required minimums. During suspensions, shares would not be available for purchases, withdrawals, check writing or ATM debits. A money market fund investment is not insured or guaranteed by the Federal Deposit Insurance Corporation or other government agency. The Fund's sponsor has no legal obligation to provide financial support to the Fund and investors should not expect that the sponsor will provide financial support to the Fund at any time.

Investing in **Commodities:** Commodity prices may be affected by factors such as supply and demand, government policies, domestic or international political and economic events (including war or terrorism), changes in interest and exchange rates, trading activity in commodities and related contracts, pestilence, technological developments, weather, price volatility, and liquidity constraints. Physical precious metals are speculative, non-regulated products that may experience short- and long-term price volatility. Precious metals do not make interest or dividend payments and therefore may not be appropriate for investors who require current income. Precious metals must be stored, which may impose additional costs on investors.

Master Limited Partnerships (MLPs): Investments in MLPs are subject to the risks generally applicable to companies in the energy and natural resources sectors, including commodity price fluctuations, supply

and demand imbalances, resource depletion and exploration risk. MLPs also carry interest rate risk and may underperform in rising interest rate environments. In addition, MLP funds accrue deferred income taxes on net operating gains and capital appreciation; as a result their after-tax performance could differ significantly from that of its underlying assets.

Exchange Funds are private placement vehicles that enable holders of concentrated single-stock positions to exchange those stocks for a diversified portfolio. Investors may benefit from greater diversification.

Alternative investments are often speculative and include a high degree of risk. Investors can lose all or a substantial amount of their investment. They are appropriate only for eligible, long-term investors willing to forgo liquidity and put capital at risk for an indefinite period. They are often illiquid, may employ leverage, short-selling, or other speculative practices that increase volatility and risk of loss, and may require large minimum investments and initial lock-ups. Alternative investments may also involve complex tax structures, tax-inefficient investing, and delays in distributing important tax documents. Clients should consult their own tax and legal advisors, as Morgan Stanley Wealth Management does not provide tax or legal advice. They also typically carry higher fees and expenses than traditional investments, which can reduce overall returns.

Sector investments, due to their narrow focus, tend to be more volatile than broadly diversified investments. **Non-diversified portfolios:** Portfolios that hold a concentrated number of securities may experience greater overall declines when those securities lose value compared with more diversified portfolios. Portfolios that invest heavily in one or a few industry sectors are more vulnerable to price fluctuations than those diversified across a wider range of sectors.

Environmental, Social and Governance (ESG) investments in a portfolio may experience performance that is lower or higher than a portfolio not employing such practices. Portfolios with ESG restrictions and strategies as well as ESG investments may not be able to take advantage of the same opportunities or market trends as portfolios where ESG criteria is not applied. There are inconsistent ESG definitions and criteria within the industry, as well as multiple ESG ratings providers that provide ESG ratings of the same subject companies and/or securities that vary among the providers. Certain issuers of investments may have inconsistent views concerning ESG criteria where the ESG claims made in offering documents or other literature may overstate ESG impact. ESG designations are as of the date of this material, and no assurance is provided that the underlying assets have maintained or will maintain any such designation or any stated ESG compliance. As a result, it is difficult to compare ESG investment products or to evaluate an ESG investment product in comparison to one that does not focus on ESG. Investors should also independently consider whether the ESG investment product meets their own ESG objectives or criteria. There is no assurance that an ESG investing strategy or techniques employed will be successful. Past performance is not a guarantee or a dependable measure of future results.

Buying, selling, and transacting in Bitcoin, Ethereum or other digital assets ("Digital Assets"), and related funds and products, is highly speculative and may result in a loss of the entire investment. Risks and considerations include but are not limited to: Digital Assets have only been in existence for a short period of time and historical trading prices for Digital Assets have been highly volatile. The price of Digital Assets could decline rapidly, and investors could lose their entire investment. Although any Digital Asset product and its service providers have in place significant safeguards against loss, theft, destruction and inaccessibility, there is nonetheless a risk that some or all of a product's Digital Asset could be permanently lost, stolen, destroyed or inaccessible by virtue of, among other things, the loss or theft of the "private keys" necessary to access a product's Digital Asset. Digital Assets may not have an established track record of credibility and trust. Further, any performance data relating to Digital Asset products may not be verifiable as pricing models are not uniform.

For more information, please refer to additional Risks Associated With Investing here: www.morganstanley.com/wealthbooks#risks-associated-with-investing.

Investment Advisory Programs

The sole purpose of this material is to inform, and it in no way is intended to be an offer or solicitation to purchase or sell any security, other investment or service, or to attract any funds or deposits. Investments mentioned may not be appropriate for all clients. MSWM offers investment program services through a variety of investment programs, which are opened pursuant to written client agreements. Each program offers investment managers, funds and features that are not available in other programs; conversely, some investment managers, funds or investment strategies may be available in more than one program. For more information, please see the Morgan Stanley Smith Barney LLC MSWM program disclosure brochure (the "Morgan Stanley ADV"). The Morgan Stanley ADV is available at www.morganstanley.com/ADV.

The Morgan Stanley Pathway Funds, Firm Discretionary UMA Model Portfolios, and other asset allocation or any other model portfolios that are discussed in this material are available only to investors participating in Morgan Stanley Consulting Group advisory programs. For additional information on the Morgan Stanley Consulting Group advisory programs, see the applicable ADV brochure, available at www.morganstanley.com/ADV or request from your Morgan Stanley Financial Advisor or Private Wealth Advisor. To learn more about the Morgan Stanley Pathway Funds, visit the Funds' website at www.morganstanley.com/wealth-investmentsolutions/cgcm.

Generally, investment advisory accounts are subject to an **annual asset-based fee** (the "Fee") which is payable monthly in advance (some account types may be billed differently). In general, the Fee covers Morgan Stanley investment advisory services, custody of securities with Morgan Stanley, trade execution with or through Morgan Stanley or its affiliates, as well as compensation to any Morgan Stanley Financial Advisor.

In addition, each account that is invested in a program that is eligible to purchase certain investment products, such as mutual funds, will also pay a **Platform Fee** (which is subject to a Platform Fee offset) as described in the Morgan Stanley ADV. Accounts invested in the Select UMA program may also pay a separate Sub-Manager fee, if applicable.

If your account is invested in mutual funds or exchange traded funds (collectively "funds"), you will pay the fees and expenses of any funds in which your account is invested. **Fees and expenses are charged directly to the pool of assets** the fund invests in and are reflected in each fund's share price. These fees and expenses are an additional cost to you and would not be included in the Fee amount in your account statements. The advisory program you choose is described in the Morgan Stanley ADV.

Morgan Stanley or Executing Sub-Managers, as applicable, in some of Morgan Stanley's SMA programs may effect transactions through broker-dealers other than Morgan Stanley or our affiliates. In such instances, you may be assessed additional costs by the other firm in addition to the Morgan Stanley and Sub-Manager fees. Those costs will be included in the net price of the security, not separately reported

on trade confirmations or account statements. Certain Sub-Managers have historically directed most, if not all, of their trades to outside firms. Information provided by Sub-Managers concerning trade execution away from Morgan Stanley is summarized at: www.morganstanley.com/wealth/investmentsolutions/pdfs/adv/sotresponse.pdf. For more information on trading and costs, please refer to the **Morgan Stanley ADV** or contact your Financial Advisor / Private Wealth Advisor.

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MSWM, managers, MS & Co., and their affiliates receive compensation and fees in connection with these services. MSWM believes that the nature and range of clients to which such services are rendered is such that it would be inadvisable to exclude categorically all these companies from an account.

Morgan Stanley charges each fund family we offer a **mutual fund support fee**, also called a "revenue-sharing payment," on client account holdings in fund families according to a tiered rate that increases along with the management fee of the fund so that lower management fee funds pay lower rates than those with higher management fees.

For more information, please refer to additional Investment Advisory Programs disclosures here: www.morganstanley.com/wealthbooks#investment-advisory-programs.

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Annuities and insurance products are offered in conjunction with Morgan Stanley Smith Barney LLC's licensed insurance agency affiliates. Not all products and services discussed herein are available through Morgan Stanley Smith Barney LLC's licensed insurance agency affiliates. Since life and long-term care insurance are medically underwritten, you should not cancel your current policy until your new policy is in force. A change to your current policy may incur charges, fees and costs. A new policy will require a medical exam. Surrender charges may be imposed and the period of time for which the surrender charges apply may increase with a new policy. You should consult with your own tax advisors regarding your potential tax liability on surrenders. Investment, insurance and annuity products offered through Morgan Stanley Smith Barney LLC are: NOT FDIC INSURED | MAY LOSE VALUE | NOT BANK GUARANTEED | NOT A BANK DEPOSIT | NOT INSURED BY ANY FEDERAL GOVERNMENT AGENCY.

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Residential mortgage loans and home equity lines of credit are offered by MSPBNA, Member FDIC an Equal Housing Lender. Nationwide Mortgage Licensing System Unique Identifier #663185. **The proceeds from a residential mortgage loan (including draws and advances from a home equity line of credit) are not permitted to be used to purchase, trade, or carry eligible margin stock; repay margin debt that was used to purchase, trade, or carry margin stock; or to make payments on any amounts owed under the note, loan agreement, or loan security agreement; and cannot be deposited into a MSSB or other brokerage account.** The pledged-asset feature allows eligible securities to be used as a substitute for a cash down payment. The pledged-asset feature allows eligible securities to be used as an alternative to a cash down payment. Clients must maintain collateral levels and may be subject to liquidation if requirements are not met. Interest-only and adjustable-rate mortgages (ARMs) carry specific risks, including payment increases and higher total interest costs. ARMs are based on the SOFR 30-Day Average. Relationship-based pricing is available based on eligible household assets held at the Firm.

Cards and Cash Management: Debit Cards offered through the Firm are issued by MSPBNA under license from Mastercard. American Express Cards offered through the Firm include the Platinum Card®, Blue Cash Preferred®, and the Morgan Stanley Credit Card. Eligibility requires an "Eligible Account" at the Firm. Cards are issued by American Express National Bank. Terms, conditions, and restrictions apply. The Greenlight App and Debit Card is provided by Greenlight Financial Technologies, not the Firm or any of its affiliates. The Morgan Stanley CashPlus is a brokerage account offered through MSSB. Conditions and restrictions apply. For more information, see the CashPlus Disclosure Statement.

Deposit Products and FDIC: Under the Bank Deposit Program, free credit balances held in an account(s) at Morgan Stanley Smith Barney LLC are automatically deposited into an interest-bearing deposit account(s) at FDIC-insured banks. Certain conditions must be met. For more information, view the Bank Deposit Program Disclosure Statement. The Savings and Preferred Savings Programs offer FDIC-insured deposit accounts at Morgan Stanley Private Bank, National Association, Member FDIC or Morgan Stanley Bank, N.A., Member FDIC. The Savings programs are not intended for clients who need to have frequent access to funds and those funds will not be automatically accessed to reduce a debit or margin loan in your brokerage account. Withdrawals are limited to 10 per calendar month, and excess withdrawals may incur fees. Promotional rates may be offered from time to time and are subject to change at any time.

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